



URBAN LIGHTING



Product Families

Chameleon

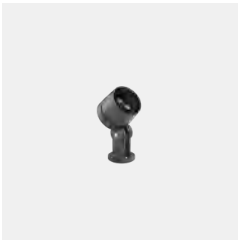
p. 16-63



C90



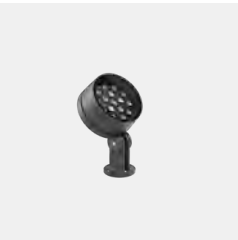
C125



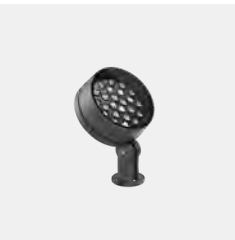
C165



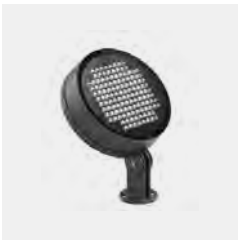
C210



C260



C365



F-System

p. 64-89



F-System M



F-System S



F-System XS



F-System M-W



FO

p. 90-103



FO420



FO600



FA

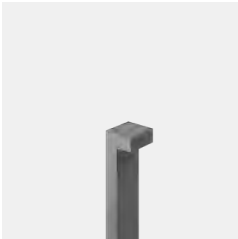
p. 104-125



FA770



FA170



FA100-W



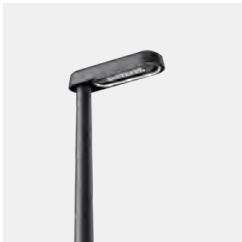
Products Families

GO

p. 126-139



GO



GO-W

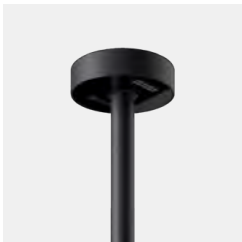


CN

p. 140-153



CN500



CN600



IR

p. 154-173



IR



IR-W

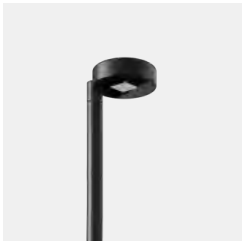


CO

p. 174-185



CO500



CO600



DA

p. 186-197



DA400



DA520



FN

p. 198-209



FN1000



FN1300



if, if round

p. 210-233



if



if-W



if round



if round-WD/WU/WB



EL

p. 234-261



EL380



EL2000



EL-W



ZA

p. 262-265



ZA190

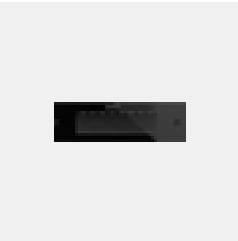


IN

p. 266-277



IN-WALL



IN-CEILING



IN-GROUND





Products Families

RAZER

p. 278-279



RAZER



ID

p. 280-285



ID*standard*

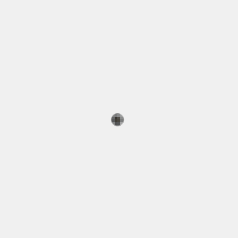


R-Series

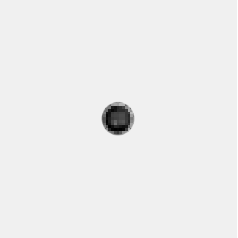
p. 286-301



R50



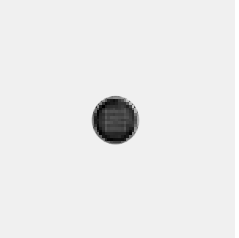
R90



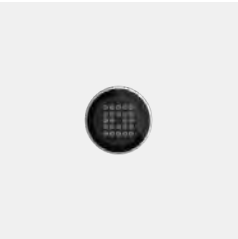
R130



R160



R200



UP-Series

p. 302-315

LB21



LB22



LB23



BD21



BD22



BD23



BR21



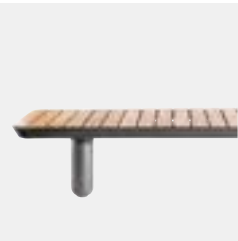
WR21



WR22

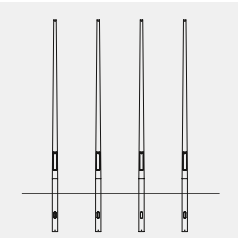


SB21



Poles

p. 316-319






# Products Categories

## Projectors

C90

A

T




C125

A

E

T




C165

A

E

T




C210

A

E

T




C260

A

E

T



C365

A



## Wall/ceiling luminaires

EL-W

A

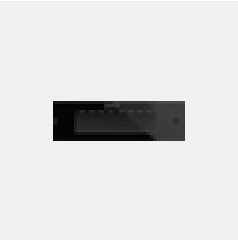
T



IN-WALL

A

T



IN-CEILING

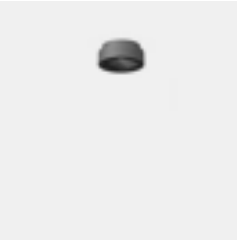
A

T



if round


A



CN500

A


T



CN600

A


T



IR

A


T



IR-W

A


T



CO500

A


T



CO600

A


T



DA400

A


T



DA520

A


T



FN1000

A


T



FN1300


A

T



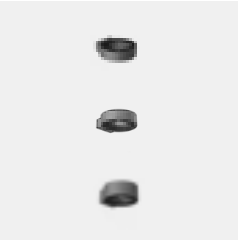
if-W

A



if round

A




## Pole-/wall-mounted systems

F-System M

A


T



F-System S

A


T



F-System XS

A


T



F-Syst. M-W

A

T



FO420

A

T



FO600

A

T



FA770

A

T



FA100-W

A

T



GO

A



GO-W

A




## Light columns

EL2000


A

T



ZA190

A

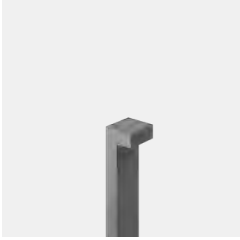


## Bollards

FA170

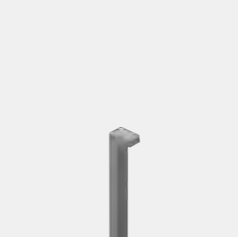
A

T




if

A



if round-BD


A



EL380

A


T




# Products Categories

## Linear systems

IDstandard



RAZER



## In-ground luminaires

R50



R90



R130




R160



R200




IN-GROUND




## Urban furniture


LB21




LB22




LB23




BD21




BD22




BD23




BR21



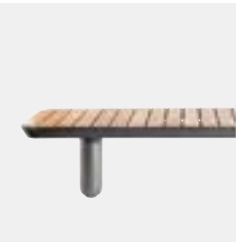
WR21



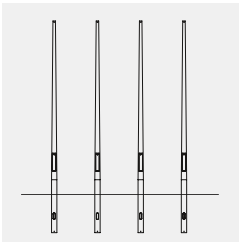
WR22



SB21



## Pole



# LARGE AREA LIGHTING



# Products Families

## R-System

p. 318-341



gen4 R2



gen4 R4



gen4 R1 round



gen4 R1



gen4 R2



gen4 R4

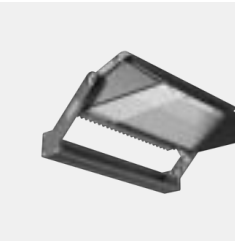


## RIVAL

p. 342-347



RIVAL











## Chameleon

A master of transformation.  
A projector.  
A wall luminaire.  
A pole luminaire.  
Dynamic.  
Intelligent.



reddot winner 2023



**BIG SEE**  
Product Design  
Award 2023  
Winner





C165 – Integral, EG06 Symmetric Ultra Narrow 4°, 2,700 K  
Concentric Louvre ewoLightLayer, Reverse Cone



C165 – Slice, EG06 Symmetric Narrow 12°, Tunable White,  
Shadow Sail

C210 – Slice, A-Series Asymmetric Forward and Extra Side Throw,  
2,700 K, Shadow Sail





< C125 – Slice  
A-Series Asymmetric Forward and  
Extra Side Throw, 2,700 K, Half Cone

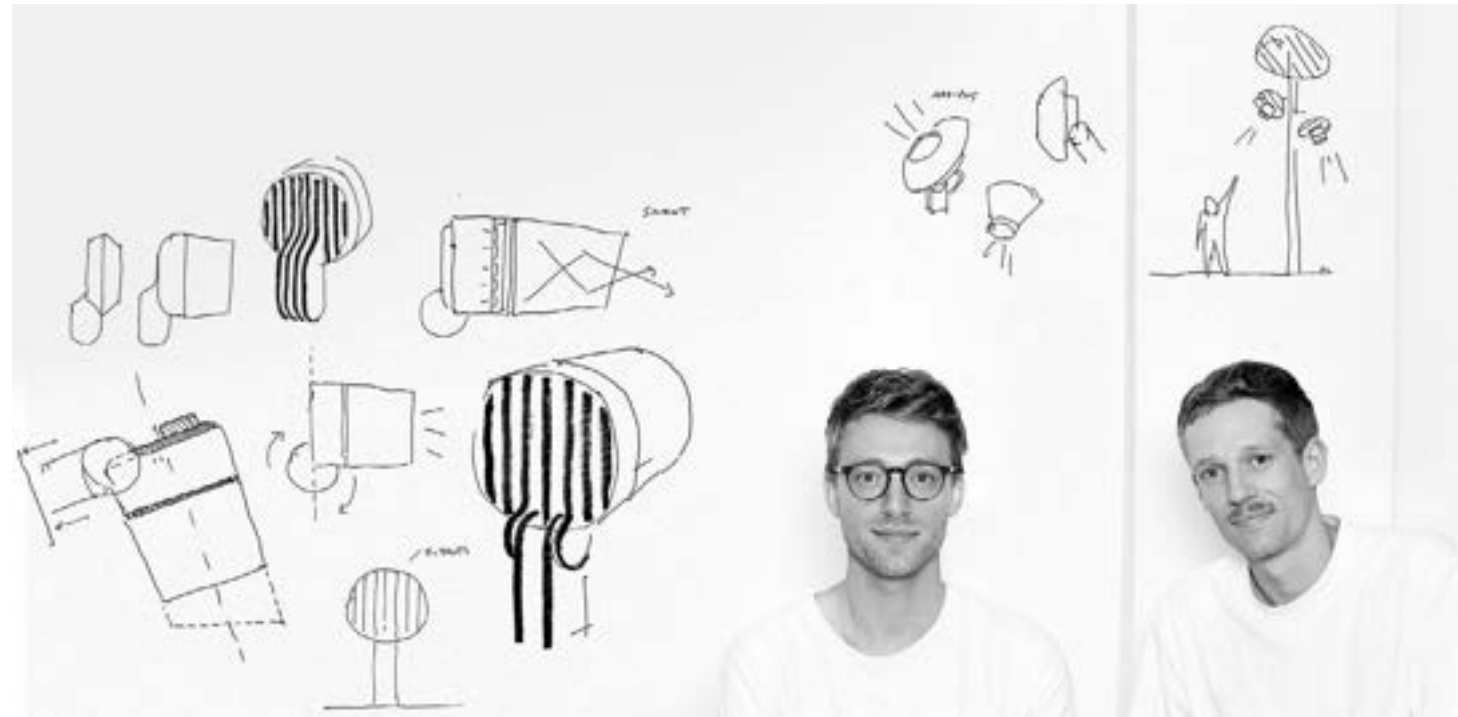
C260 – Slice  
EG06 Symmetric Extra Narrow 6°, 2,700 K ,  
Full Snoot



C165 – Slice  
EGM01 Symmetric Narrow 12°, RGBW







©Mirjam Kluka

PRODUCTDESIGN  
by GECKELER MICHELS, Berlin



**Function**  
Thermally optimised heatsink and cooling ring creating a chimney effect to keep electronic components cool.

**Modularity**  
Discrete fixing mechanism for external ewoLightLayers and transformative accessories.

**Form**  
Elegant luminaire design with clean lines, soft curves and concealed screws.







A diverse habitat  
Chameleon is a common creature  
across all areas of the urban jungle.



A dual function

Chameleon is designed to be active from sunset to sunset. During the day, its optional accessories such as a shadow sail offer new types of functionalities.







©Alexander Fthenakis



©Alexander Fthenakis



mastering

the body

of light





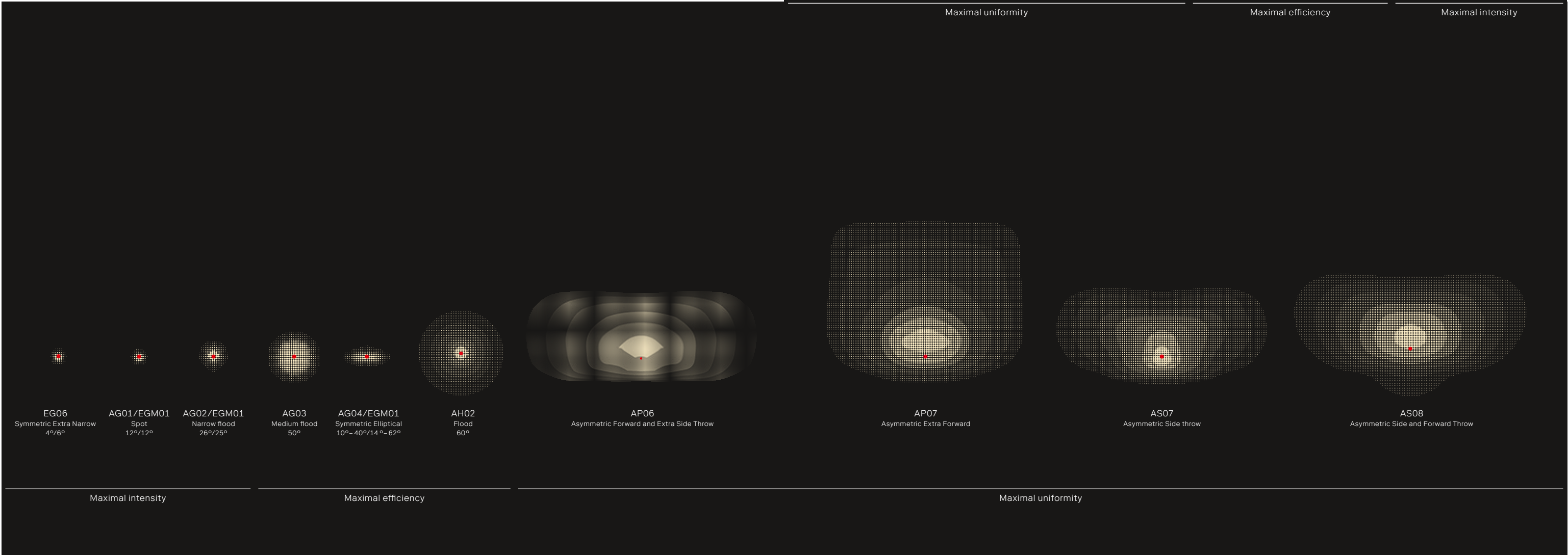
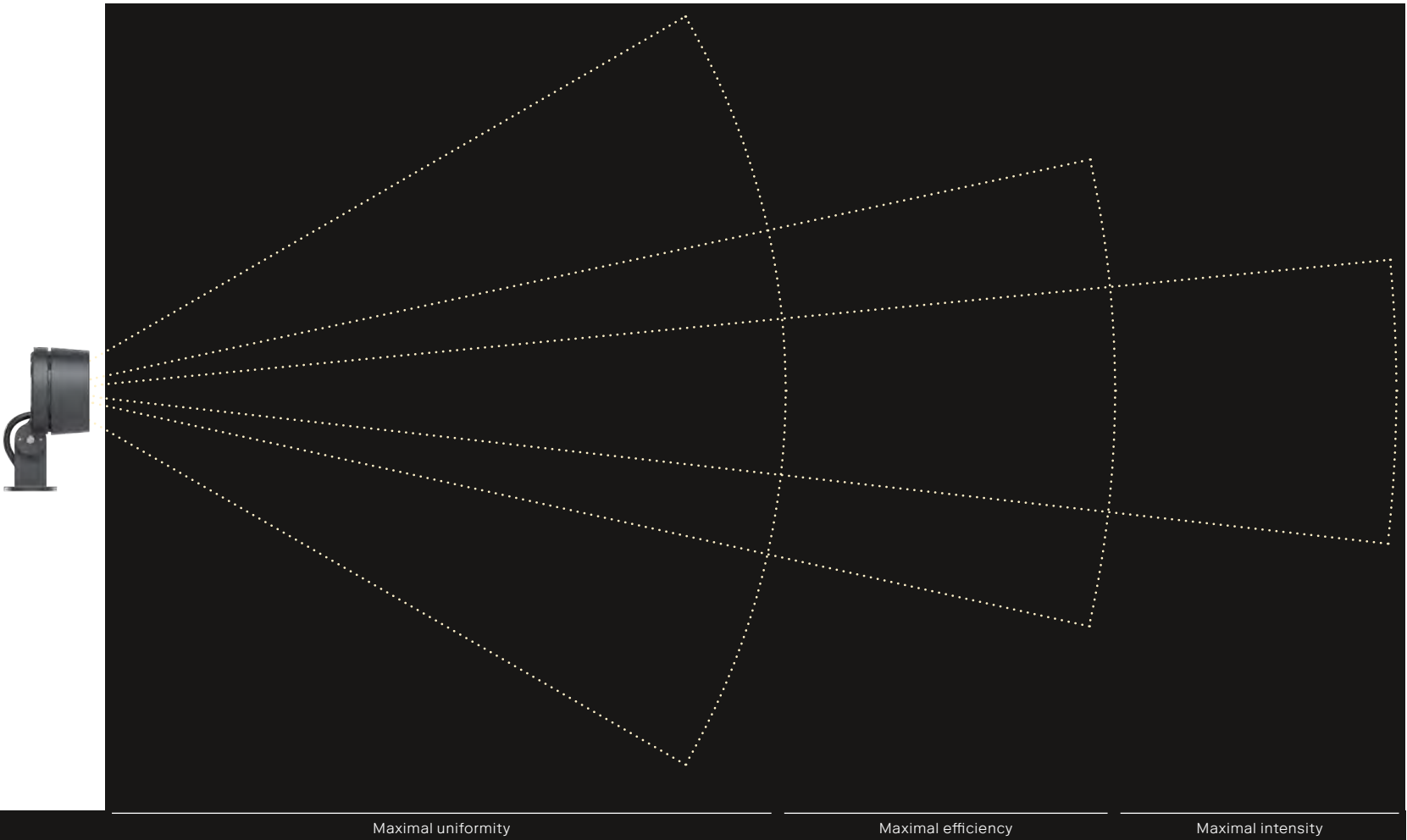
Through its transformation,  
Chameleon can transform spaces

With its unrivalled modularity, Chameleon uses a vast catalogue of mounting options, ewoLightLayers, optics and finishes to adapt seamlessly to a plethora of applications including Architecture and the Arts, Public Spaces, and Roads and Traffic.





Standard distributions  
ewo's high precision lens optics have the power to transform public spaces into urban sanctuaries, improving people's wellbeing outdoors.







### Colour mixing RGBW

To create the best possible colour experience in a luminaire as compact as Chameleon, ewo has developed a new two-level light guiding lens that will mix colours in each individual lens. Now the desired light effect can even be achieved over short distances whilst maintaining perfect colour uniformity.

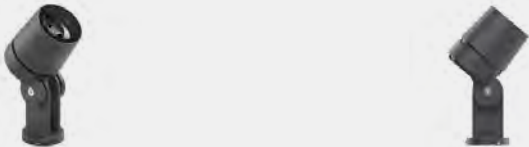


### Dynamic white and colour

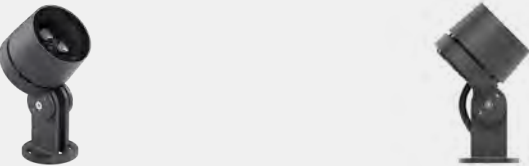
Chameleon is the most compact, intelligent projector offering dynamic lighting with in-optic colour mixing and beam angles as narrow as 12°.



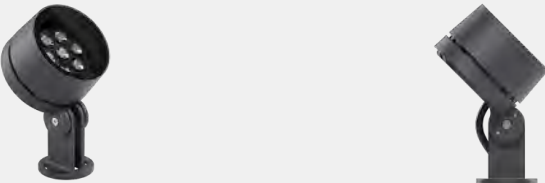
C90  
Slice



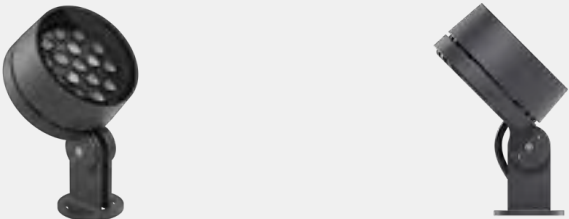
C125  
Slice



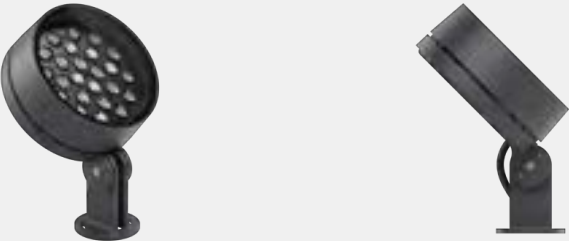
C165  
Slice



C210  
Slice



C260  
Slice



C365  
Slice



A  
SERIES



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



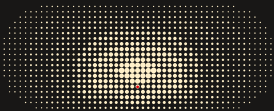
EG06  
Symmetric Ultra Narrow 4°



AG04  
Symmetric Elliptical 10°x40°



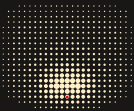
AH02  
Symmetric Wide Flood



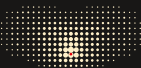
AP06  
Asymmetric Forward and  
Extra Side Throw



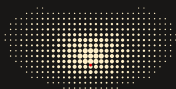
EG06  
Symmetric Extra Narrow 6°



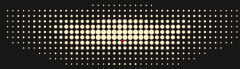
AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and  
Forward Throw



AS09  
Asymmetric Extra Side Throw



AV01  
Asymmetric Extra  
Forward Grazing

E  
SERIES



EGM01  
Symmetric Narrow 12°



EGM01  
Symmetric Medium 25°



EGM01  
Symmetric Elliptical 14°x62°



EGX01  
Symmetric Narrow 15°







EGX01  
Symmetric Medium 27°



EGX01  
Symmetric Elliptical 17°x62°

Monochrome

Control protocols



ON/OFF	
DALI 2	
ewo connexx	
Line Switch	

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	

Tunable White Internal/Discrete

Control protocols

DALI 2 T8	
ewo connexx	

RGBW Internal/Discrete

Control protocols

DALI 2	
ewo connexx	
DMX-RDM	

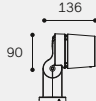
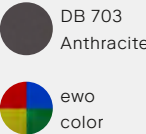


ewo

# Chameleon

C90 Slice

Projector  
Wall luminaire  
Pole-mounted system



Configurator



Housing		Measurements		
Housing material	Aluminum die-cast	Model	①  ②	Weight [kg]
Housing finish	Polyester powder coating (ewoECP upon request**)	C90	0.013* 0.015*	1.2*
Finish standard color	RAL 9007*	③ projected windage area [m²]		
Glass	Safety glass (ESG)	④ lateral windage area [m²]		
Mounting options	Pole, wall, surface			
		* other color on request		
		** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance		

Electrical	Monochrome		Tunable White				RGBW			
			Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II
Voltage [V], [Hz]										
LED nr.	4	1	-	-	-	4	-	-	-	4
Current max. [mA]	1,000	1,000*	-	-	-	260	-	-	-	400
LED power [W]	11.7	2.9	-	-	-	1.5	-	-	-	4.7

\* 700 for EG06 – 4°

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		

A  
SERIES

Precision lens optics

AG01  
Symmetric Narrow 12°

AG02  
Symmetric Medium 27°

AG03  
Symmetric Flood 48°

AG04  
Symmetric Elliptical 10°x40°

AH02  
Symmetric Wide Flood

AP06  
Asymmetric Forward and Extra Side Throw

AP07  
Asymmetric Extra Forward

AS07  
Asymmetric Side Throw

AS08  
Asymmetric Side and Forward Throw

AS09  
Asymmetric Extra Side Throw

E  
SERIES

EG06  
Symmetric Narrow 6°

EGM01  
Symmetric Narrow 12°

EGM01  
Symmetric Medium 25°

EGM01  
Symmetric Elliptical 14°x62°

Monochrome

2.200 K  
CRI ≥ 80\*

2.700 K  
CRI ≥ 80\*

3.000 K  
CRI ≥ 80\*

4.000 K  
CRI ≥ 80\*

\* additional light color on request

Tunable White  
CRI ≥ 80

RGBW

## Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS08	AS09	EG06	EGM01	EGM01	EGM01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	4° 6°	12°	25°	14°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal											•	•	•
Tunable White Discrete											•	•	•
RGBW Internal											•	•	•
RGBW Discrete													

	Monochrome		Tunable White		RGBW	
Light color (K)	4,000		5,000		4,000	
CRI*	≥ 80		≥ 80		≥ 80	
Distribution	AG01		EG06 6°		EGM01 12°	
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM	
Luminous flux [lm]	1,356		364		196	

\* other CRI on request

## Accessories

External ewoLightLayers\*

Internal ewoLightLayers\*\*

Mounting accessories

Full Snoot

Half Snoot

Honeycomb Louvre

Circular Louvre

Ground Spike


Connection Box

Retrofit pole bracket

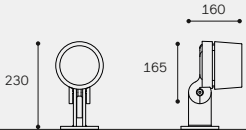
C125 Slice

Projector  
Wall luminaire  
Pole-mounted system



 DB 703  
Anthracite

 ewo  
color



Configurator

     
IP66 RoHS IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	①	②	Weight [kg]
C125	0.018*	0.025*	2.3*
	① projected windage area [m²]		* without accessories
	② lateral windage area [m²]		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Electrical

	Monochrome		Tunable White				RGBW			
	Discrete		Internal		Discrete		Internal		Discrete	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I/II		I/II		I/II		I/II		I/II	
Voltage [V], [Hz]										
LED nr.	6	3	-	-	-	12	-	-	-	12
Current max. [mA]	1,000	1,000*	-	-	-	315	-	-	-	400
LED power [W]	17.5	8.8	-	-	-	5.5	-	-	-	14.0
* 700 for EG06 – 4°										

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°



EGM01  
Symmetric Narrow 12°



EGX01  
Symmetric Narrow 15°



AG04  
Symmetric Elliptical 10°x40°



AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and Extra Side Throw



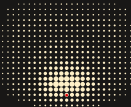
EG06  
Symmetric Narrow 4°



EGM01  
Symmetric Medium 25°



EGX01  
Symmetric Medium 27°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and Forward Throw



EGM01  
Symmetric Elliptical 14°x62°



EGX01  
Symmetric Elliptical 17°x62°



AV01  
Asymmetric Extra Forward Grazing

Monochrome



2.200 K  
CRI ≥ 80\*



2.700 K  
CRI ≥ 80\*



3.000 K  
CRI ≥ 80\*



4.000 K  
CRI ≥ 80\*

\* additional light color on request



Tunable White  
CRI ≥ 80










RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal												•	•	•	•
Tunable White Discrete												•	•	•	•
RGBW Internal												•	•	•	•
RGBW Discrete															

	Monochrome		Tunable White		RGBW
Light color (K)	4,000		5,000		4,000
CRI*	≥ 80		≥ 80		≥ 80
Distribution	AG01	EG06 6°	EGX01 15°		EGX01 15°
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM
Luminous flux [lm]	2,200	1,090	700		970
* other CRI on request					

Accessories


External ewoLightLayers*	Internal ewoLightLayers**				Mounting accessories	
						
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket



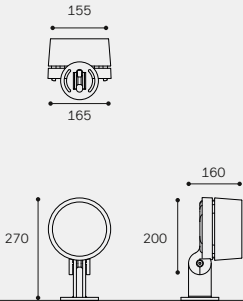
C165 Slice

Projector  
Wall luminaire  
Pole-mounted system



 DB 703  
Anthracite

 ewo  
color




Configurator

     
IP66   RoHS   IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	 ①	 ②	Weight [kg]
C165	0.020*	0.027*	3.3*
	① projected windage area [m²]		* without accessories
	② lateral windage area [m²]		


Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
	Discrete		Internal		Discrete		Internal		Discrete	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I/II	I/II	I/II	I/II	I/II	I/II	I/II	I/II	I/II	I/II
Voltage [V], [Hz]										
LED nr.	12	7	12	-	-	28	12	-	-	28
Current max. [mA]	900	1,000*	900	-	-	500	900	-	-	500
LED power [W]	31.4	21.3	14.3	-	-	22.3	33.6	-	-	41.1

\* 700 for EG06 – 4°

Driver (external)	Monochrome	RGBW	Tunable White
Control Options	 	 	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°



EGM01  
Symmetric Narrow 12°



EGX01  
Symmetric Narrow 15°



AG04  
Symmetric Elliptical 10°x40°



AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and Extra Side Throw



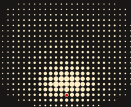
EG06  
Symmetric Narrow 4°



EGM01  
Symmetric Medium 25°



EGX01  
Symmetric Medium 27°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and Forward Throw



EGM01  
Symmetric Elliptical 14°x62°



EGX01  
Symmetric Elliptical 17°x62°



AV01  
Asymmetric Extra Forward Grazing

Monochrome



2,200 K  
CRI ≥ 80\*



2,700 K  
CRI ≥ 80\*



3,000 K  
CRI ≥ 80\*



4,000 K  
CRI ≥ 80\*

\* additional light color on request



Tunable White  
CRI ≥ 80



RGBW








Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal													•	•	•
Tunable White Discrete													•	•	•
RGBW Internal													•	•	•
RGBW Discrete													•	•	•

	Monochrome		Tunable White			RGBW	
Light color (K)	4,000		5,000			4,000	
CRI*	≥ 80		≥ 80			≥ 80	
Distribution	AG01	EG06 6°	AV01	EGX01 15°	AV01	EGX01 15°	
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM			≤ 3 SDCM	
Luminous flux [lm]	4,080	2,550	1,500	2,300	1,140	2,650	
* other CRI on request							

\* other CRI on request


Accessories

External ewoLightLayers*	Internal ewoLightLayers**			Mounting accessories		
						
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket

C210 Slice

Projector  
Wall luminaire  
Pole-mounted system



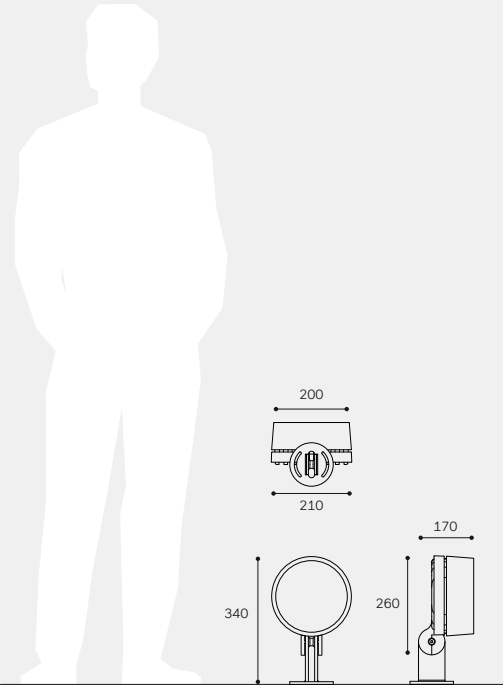
 DB 703  
Anthracite

 ewo  
color



Configurator



     
IP66   RoHS   IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	 ①	 ②	Weight [kg]
C210	0.025*	0.03*	4.9*
	① projected windage area [m²]		* without accessories
	② lateral windage area [m²]		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
			Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I	I	I	I	I	I	I	I
Voltage [V], [Hz]										
LED nr.	24	16	24	-	-	64	24	-	-	64
Current max. [mA]	900	1,000*	1,000	-	-	500	900	-	-	500
LED power [W]	63.1	46.8	35.6	-	-	46.7	95.7	-	-	94.0
* 700 for EG06 – 4°										

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics

AG01  
Symmetric Narrow 12°

AG02  
Symmetric Medium 27°

AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°

EGM01  
Symmetric Narrow 12°

EGX01  
Symmetric Narrow 15°

AG04  
Symmetric Elliptical 10°x40°

AH02  
Symmetric Wide Flood

AP06  
Asymmetric Forward and Extra Side Throw

EG06  
Symmetric Narrow 4°

EGM01  
Symmetric Medium 25°

EGX01  
Symmetric Narrow 27°

AP07  
Asymmetric Extra Forward


AS07  
Asymmetric Side Throw


AS08  
Asymmetric Side and Forward Throw


EGM01  
Symmetric Elliptical 14°x62°


EGX01  
Symmetric Elliptical 17°x62°

Monochrome


 2,200 K  
CRI ≥ 80\*

 2,700 K  
CRI ≥ 80\*

 3,000 K  
CRI ≥ 80\*

 4,000 K  
CRI ≥ 80\*

\* additional light color on request

 Tunable White  
CRI ≥ 80








 RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal															
Tunable White Discrete															
RGBW Internal															
RGBW Discrete															

	Monochrome		Tunable White		RGBW	
Light color (K)	4,000		5,000		4,000	
CRI*	≥ 80		≥ 80		≥ 80	
Distribution	AG01	EG06 6°	AV01	EGX01 15°	AV01	EGX01 15°
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM	
Luminous flux [lm]	8,160	5,830	3,500	5,300	3,410	6,050
* other CRI on request						

Accessories


External ewoLightLayers*	Internal ewoLightLayers**				Mounting accessories		
							
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket	



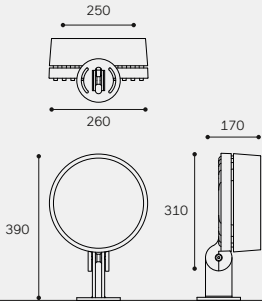
C260 Slice

Projector  
Wall luminaire  
Pole-mounted system



 DB 703  
Anthracite

 ewo  
color




Configurator

     
IP66   RoHS   IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	 ①	 ②	Weight [kg]
C260	0.030*	0.044*	6.7*
	① projected windage area [m²]		* without accessories
	② lateral windage area [m²]		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
	Discrete		Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I	I	I	I	I	I	I	I
Voltage [V], [Hz]										
LED nr.	36	24	36	-	-	96	36	-	-	96
Current max. [mA]	1,000	1,000*	1,050	-	-	500	900	-	-	500
LED power [W]	105.0	70.5	87.0	-	-	70.8	97.7	-	-	140.9
* 700 per EG06 – 4°										

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°



EGM01  
Symmetric Narrow 12°



EGX01  
Symmetric Narrow 15°



AG04  
Symmetric Elliptical 10°x40°



AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and Extra Side Throw



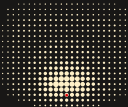
EG06  
Symmetric Narrow 4°



EGM01  
Symmetric Medium 25°



EGX01  
Symmetric Narrow 27°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and Forward Throw



EGM01  
Symmetric Elliptical 14°x62°



EGX01  
Symmetric Elliptical 17°x62°



AV01  
Asymmetric Extra Forward Grazing

Monochrome



2,200 K  
CRI ≥ 80\*



2,700 K  
CRI ≥ 80\*



3,000 K  
CRI ≥ 80\*



4,000 K  
CRI ≥ 80\*

\* additional light color on request



Tunable White  
CRI ≥ 80










RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal													•	•	•
Tunable White Discrete													•	•	•
RGBW Internal													•	•	•
RGBW Discrete													•	•	•

	Monochrome			Tunable White			RGBW						
Light color (K)	4,000			5,000			4,000						
CRI*	≥ 80			≥ 80			≥ 80						
Distribution	AG01		EG06 6°		AV01		EGX01 15°		AV01		EGX01 15°		
MacAdam ellipses	≤ 3 SDCM			≤ 3 SDCM			≤ 3 SDCM			≤ 3 SDCM			
Luminous flux [lm]	13,270			8,750		5,300		8,000		3,410		9,080	
* other CRI on request													

Accessories

External ewoLightLayers*		Internal ewoLightLayers**		Mounting accessories		
						
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket

ewo

Chameleon

C365 Slice

Projector  
Wall luminaire  
Pole-mounted system



DB 703  
Anthracite

ewo  
color

Configurator

CE RoHS IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	①	②	Weight [kg]
C365	0.045*	0.055*	11.2*
	① Projected windage area [m²]		
	② Lateral windage area [m²]		
	* without accessories		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
			Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I	I	I	I	I	I	I	I
Voltage [V], [Hz]										
LED nr.	128	60	128	-	-	-	128	-	-	-
Current max. [mA]	1,000	1,000	1,000	-	-	-	500	-	-	-
LED power [W]	369.2	176.6	184.5	-	-	-	180.0	-	-	-

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		

A  
SERIES

Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°

E  
SERIES



EG06  
Symmetric Narrow 6°



AG04  
Symmetric Elliptical 10°x40°



AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and  
Extra Side Throw



AP07  
Asymmetric Extra Forward



AS08  
Asymmetric Side and  
Forward Throw

Monochrome



2,200 K  
CRI ≥ 80\*



2,700 K  
CRI ≥ 80\*



3,000 K  
CRI ≥ 80\*



4,000 K  
CRI ≥ 80\*

\* additional light color on request



Tunable White  
CRI ≥ 80








RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS08	EG06
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	6°
Monochrome	•	•	•	•	•	•	•	•	•
Tunable White Internal	•	•	•	•	•	•	•	•	•
Tunable White Discrete	•	•	•	•	•	•	•	•	•
RGBW Internal	•	•	•	•	•	•	•	•	•
RGBW Discrete	•	•	•	•	•	•	•	•	•

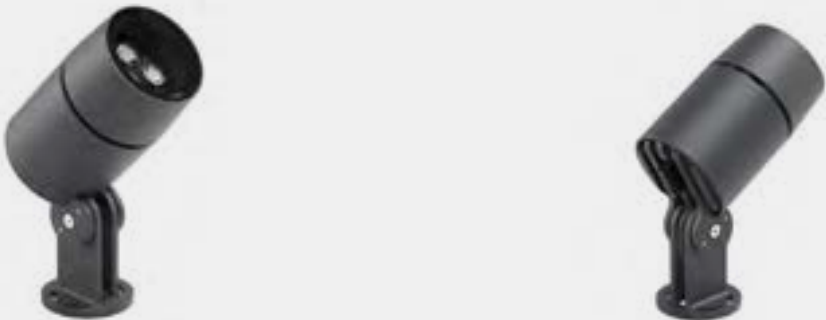
	Monochrome		Tunable White		RGBW
Light color (K)	4,000		5,000		4,000
CRI*	≥ 80		≥ 80		≥ 80
Distribution	AG01	EG06 6°	AG01	AG01	
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM
Luminous flux [lm]	43,100	21,870	22,800	11,100	
* other CRI on request					

Accessories

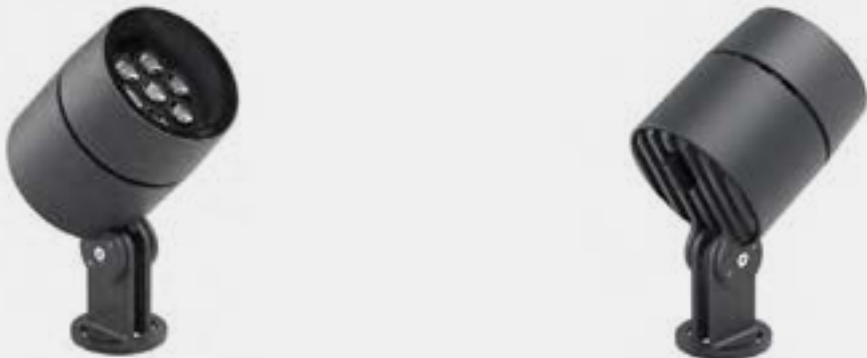
External ewoLightLayers*	Mounting accessories				
					
Full Snoot	Half Snoot	Ground Spike	Connection Box	Retrofit pole bracket	



C125  
Integral



C165  
Integral



C210  
Integral



C260  
Integral



A  
SERIES



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



EG06  
Symmetric Ultra Narrow 4°



AG04  
Symmetric Elliptical 10°x40°



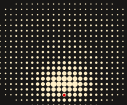
AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and  
Extra Side Throw



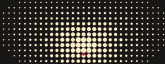
EG06  
Symmetric Extra Narrow 6°



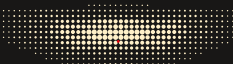
AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and  
Forward Throw



AS09  
Asymmetric Extra Side Throw



AV01  
Asymmetric Extra  
Forward Grazing

E  
SERIES



EGM01  
Symmetric Narrow 12°



EGM01  
Symmetric Medium 25°



EGM01  
Symmetric Elliptical 14°x62°



EGX01  
Symmetric Narrow 15°







EGX01  
Symmetric Medium 27°



EGX01  
Symmetric Elliptical 17°x62°

Monochrome

Control protocols



ON/OFF	
DALI 2	
ewo connexx	
Line Switch	

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	

Tunable White Internal/Discrete

Control protocols

DALI 2 T8	
ewo connexx	

RGBW Internal/Discrete


Control protocols

DALI 2	
ewo connexx	
DMX-RDM	

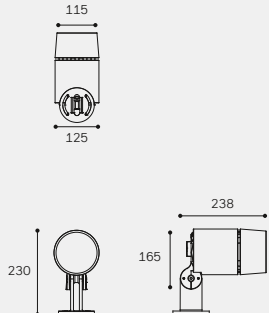
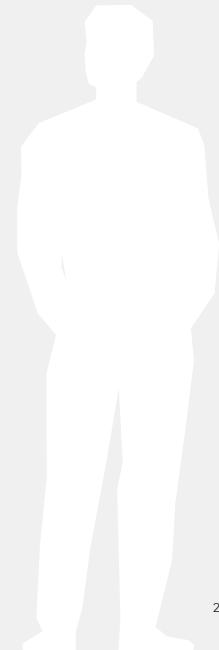
C125 Integral

Projector  
Wall luminaire  
Pole mounted system



 DB 703  
Anthracite

 ewo  
color



Configurator

     
IP66   RoHS   IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other colors on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	①	②	Weight [kg]
C125	0.018*	0.025*	2.8*
① Projected windage area [m²]			
② Lateral windage area [m²]			
* without accessories			

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
	Discrete		Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II
Voltage [V], [Hz]	220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60	
LED nr.	6	3	-	-	-	12	-	-	-	12
Current max. [mA]	1,000	1,000*	-	-	-	210	-	-	-	250
Power max. [W]	21.1	11.3	-	-	-	4.4	-	-	-	11.7
* 700 for EG06 – 4°										

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics

AG01  
Symmetric Narrow 12°

AG02  
Symmetric Medium 27°

AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°

EGM01  
Symmetric Narrow 12°

EGX01  
Symmetric Narrow 15°

AG04  
Symmetric Elliptical 10°x40°

AH02  
Symmetric Wide Flood

AP06  
Asymmetric Forward and Extra Side Throw

EG06  
Symmetric Narrow 4°

EGM01  
Symmetric Medium 25°

EGX01  
Symmetric Narrow 27°

AP07  
Asymmetric Extra Forward

AS07  
Asymmetric Side Throw


AS08  
Asymmetric Side and Forward Throw


EGM01  
Symmetric Elliptical 14°x62°


EGX01  
Symmetric Elliptical 17°x62°

AV01  
Asymmetric Extra Forward Grazing

Monochrome


 2,200 K  
CRI ≥ 80\*

 2,700 K  
CRI ≥ 80\*

 3,000 K  
CRI ≥ 80\*

 4,000 K  
CRI ≥ 80\*

\* additional light color on request

 Tunable White  
CRI ≥ 80








 RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal												•	•	•	•
Tunable White Discrete												•	•	•	•
RGBW Internal												•	•	•	•
RGBW Discrete												•	•	•	•

	Monochrome		Tunable White		RGBW
Light color (K)	4,000		5,000		4,000
CRI*	≥ 80		≥ 80		≥ 80
Distribution	AG01	EG06 6°	EGX01 15°		EGX01 15°
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM
Luminous flux [lm]	2,200		500		680
* other CRI on request					

Accessories


External ewoLightLayers*	Internal ewoLightLayers**				Mounting accessories	
						
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket



C165 Integral

Projector  
Wall luminaire  
Pole mounted system



 DB 703  
Anthracite

 ewo  
color

Configurator


     
IP66   RoHS   IK08

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other colors on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

	Monochrome		Tunable White				RGBW			
			Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II	I / II
Voltage [V], [Hz]	220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60	
LED nr.	12	7	12	-	-	28	12	-	-	28
Current max. [mA]	800	1,050*	560	-	-	240	250	-	-	250
Power max. [W]	31.1	22.9	11.7	-	-	11.7	11.2	-	-	23.1

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		

Measurements

Model	①	②	Weight [kg]
C165	0.020*	0.027*	3.9*
	① Projected windage area [m²]		
	② Lateral windage area [m²]		
	* without accessories		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

A  
SERIES

Critical point lighting precision

AG01  
Symmetric Narrow 12°

AG02  
Symmetric Medium 27°

AG03  
Symmetric Flood 48°

AG04  
Symmetric Elliptical 10°x40°

AH02  
Symmetric Wide Flood

AP06  
Asymmetric Forward and Extra Side Throw

AP07  
Asymmetric Extra Forward

AS07  
Asymmetric Side Throw

AS08  
Asymmetric Side and Forward Throw

AV01  
Asymmetric Extra Forward Grazing

Monochrome

2,200 K  
CRI ≥ 80\*

2,700 K  
CRI ≥ 80\*

3,000 K  
CRI ≥ 80\*

4,000 K  
CRI ≥ 80\*

\* additional light color on request

Tunable White  
CRI ≥ 80

RGBW








Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal															
Tunable White Discrete															
RGBW Internal															
RGBW Discrete															

	Monochrome			Tunable White			RGBW		
Light color (K)	4,000			5,000			4,000		
CRI*	≥ 80			≥ 80			≥ 80		
Distribution	AG01			EG06 6°			AS08		
MacAdam ellipses	≤ 3 SDCM			≤ 3 SDCM			≤ 3 SDCM		
Luminous flux [lm]	3,730			2,650			1,100		
							1,300		
							460		
							1,580		

\* other CRI on request


Accessories

External ewoLightLayers*	Internal ewoLightLayers**				Mounting accessories		
							
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket	

C210 Integral

Projector  
Wall luminaire  
Pole mounted system

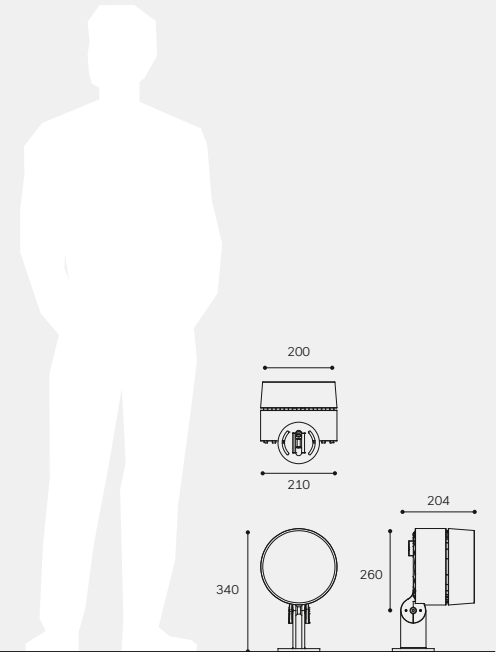


 DB 703  
Anthracite

 ewo  
color

Configurator


     
IP66   RoHS   IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other colors on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	 ①	 ②	Weight [kg]
C210	0.025*	0.03*	5.9*
	① Projected windage area [m²]		
	② Lateral windage area [m²]		
	* without accessories		

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
			Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I	I	I	I	I	I	I	I
Voltage [V], [Hz]	220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60	
LED nr.	24	16	24	-	-	64	24	-	-	64
Current max. [mA]	750	1,000*	1,000	-	-	500	850	-	-	500
Power max. [W]	56.9	51.7	43.4	-	-	57.0	73.4	-	-	109.0
* 700 for EG06 – 4°										

Driver (external)	Monochrome	RGBW	Tunable White
Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		



Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



AG03  
Symmetric Flood 48°



EG06  
Symmetric Narrow 6°



EGM01  
Symmetric Narrow 12°



EGX01  
Symmetric Narrow 15°



AG04  
Symmetric Elliptical 10°x40°



AH02  
Symmetric Wide Flood



AP06  
Asymmetric Forward and Extra Side Throw



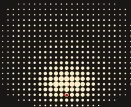
EG06  
Symmetric Narrow 4°



EGM01  
Symmetric Medium 25°



EGX01  
Symmetric Narrow 27°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side Throw



AS08  
Asymmetric Side and Forward Throw



AV01  
Asymmetric Extra Forward Grazing

Monochrome



2,200 K  
CRI ≥ 80\*



2,700 K  
CRI ≥ 80\*



3,000 K  
CRI ≥ 80\*



4,000 K  
CRI ≥ 80\*

\* additional light color on request



Tunable White  
CRI ≥ 80










RGBW

Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal													•	•	•
Tunable White Discrete													•	•	•
RGBW Internal													•	•	•
RGBW Discrete													•	•	•

	Monochrome		Tunable White		RGBW	
Light color (K)	4,000		5,000		4,000	
CRI*	≥ 80		≥ 80		≥ 80	
Distribution	AG01	EG06 6°	AV01	EGX01 15°	AV01	EGX01 15°
MacAdam ellipses	≤ 3 SDCM		≤ 3 SDCM		≤ 3 SDCM	
Luminous flux [lm]	7,100	5,830	3,500	5,300	2,200	6,050
* other CRI on request						

Accessories


External ewoLightLayers*		Internal ewoLightLayers**		Mounting accessories		
						
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket



C260 Integral

Projector  
Wall luminaire  
Pole mounted system

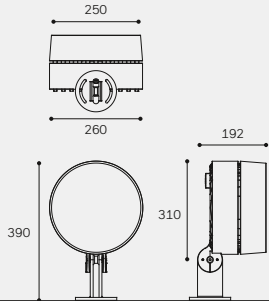


 DB 703  
Anthracite

 ewo  
color

Configurator

     
IP66   RoHS   IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard color	RAL 9007*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, surface * other colors on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	①	②	Weight [kg]
C260	0.030*	0.044*	7,6*
① Projected windage area [m²]			
② Lateral windage area [m²]			
* without accessories			

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	Monochrome		Tunable White				RGBW			
	Discrete		Discrete		Internal		Discrete		Internal	
	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series	A-Series	E-Series
Protection class	I / II	I / II	I	I	I	I	I	I	I	I
Voltage [V], [Hz]	220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60		220–240, 50/60	
LED nr.	36	24	36	-	-	96	36	-	-	96
Current max. [mA]	700	900*	700	-	-	500	250	-	-	250
Power max. [W]	80.5	69.8	43.2	-	-	86.4	30.8	-	-	83.2

\* 700 for EG06 – 4°

Driver (external)   Monochrome   RGBW   Tunable White

Control Options			
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone		
Control accessories	Further accessories on request		
Software	connexx light management software for remote management of intelligent luminaire clusters		

A  
SERIES

Precision lens optics

AG01  
Symmetric Narrow 12°

AG02  
Symmetric Medium 27°

AG03  
Symmetric Flood 48°

E  
SERIES

EG06  
Symmetric Narrow 6°

EGM01  
Symmetric Narrow 12°

EGX01  
Symmetric Narrow 15°

AG04  
Symmetric Elliptical 10°x40°

AH02  
Symmetric Wide Flood

AP06  
Asymmetric Forward and Extra Side Throw

EG06  
Symmetric Narrow 4°

EGM01  
Symmetric Medium 25°

EGX01  
Symmetric Narrow 27°

AP07  
Asymmetric Extra Forward

AS07  
Asymmetric Side Throw


AS08  
Asymmetric Side and Forward Throw


EGM01  
Symmetric Elliptical 14°x62°


EGX01  
Symmetric Elliptical 17°x62°

AV01  
Asymmetric Extra Forward Grazing

Monochrome


 2,200 K  
CRI ≥ 80\*

 2,700 K  
CRI ≥ 80\*

 3,000 K  
CRI ≥ 80\*

 4,000 K  
CRI ≥ 80\*

\* additional light color on request

 Tunable White  
CRI ≥ 80

 RGBW








Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP06	AP07	AS07	AS08	AV01	EG06	EGM01	EGM01	EGX01	EGX01
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	4° 6°	12° 25°	14°x62°	15° 27°	17°x62°
Monochrome	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tunable White Internal													•	•	•
Tunable White Discrete													•	•	•
RGBW Internal													•	•	•
RGBW Discrete													•	•	•

	Monochrome			Tunable White			RGBW		
Light color* (K)	4,000			5,000			4,000		
CRI*	≥ 80			≥ 80			≥ 80		
Distribution	AG01	EG06 6°		AV01	EGX01 15°		AV01	EGX01 15°	
MacAdam ellipses	≤ 3 SDCM			≤ 3 SDCM			≤ 3 SDCM		
Luminous flux [lm]	10,100	8,060		3,900	8,000		1,390	5,420	
* other CRI on request									

\* other CRI on request

Accessories

External ewoLightLayers*			Internal ewoLightLayers**			Mounting accessories		
								
Full Snoot	Half Snoot	Honeycomb Louvre	Circular Louvre	Ground Spike	Connection Box	Retrofit pole bracket		

# Special options

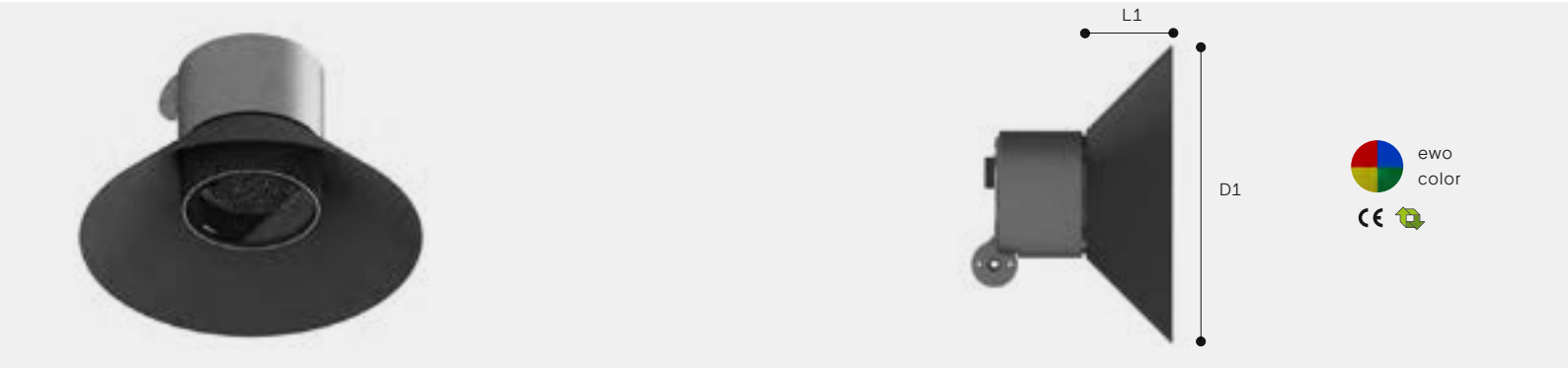
## Shadow Sail



## Shadow Sail

Model Slice/Integral	Article	L1 [mm]	D1 [mm]	Note
C125	1062093	56	331	Parts are Polyester powder coating as the luminaire. The accessories can be mounted subsequently by the customer
C165	1062094	50	375	
C210	1062095	45	420	
C260	1062096	40	465	

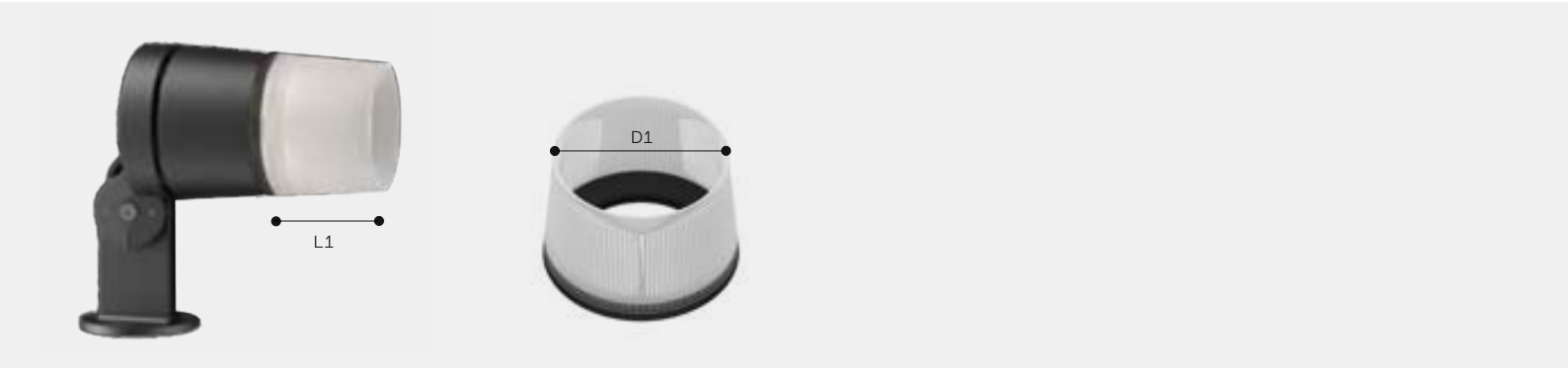
## Heritage Sail



## Heritage Sail

Model Slice/Integral	Article	L1 [mm]	D1 [mm]	Note
C125	1062089	56	331	Parts are Polyester powder coating as the luminaire. The accessories cannot be mounted after installation.
C165	1062090	50	375	
C210	1062091	45	420	
C260	1062092	42	470	

## Snoot transparent



## Snoot transparent

Model Slice/Integral	Article	L1 [mm]	D1 [mm]	Note
C125	1062266			Polycarbonate snoots. The accessories can be assembled on site but cannot be dismantled.
C165	1062246	108	135	
C210	1062267			

## Support for scenic filters



## Support for scenic filters

Model Slice/Integral	Article	L1 [mm]	D1 [mm]	Note
C90	1062xxx	-	-	Support for scenic filters, can be installed on site by the user. Filter unit mounting via clip on projector.
C125	1062xxx	114	16	
C165	1062244	154	16	
C210	1062xxx	199	16	
C260	1062xxx	248	16	



# Special options

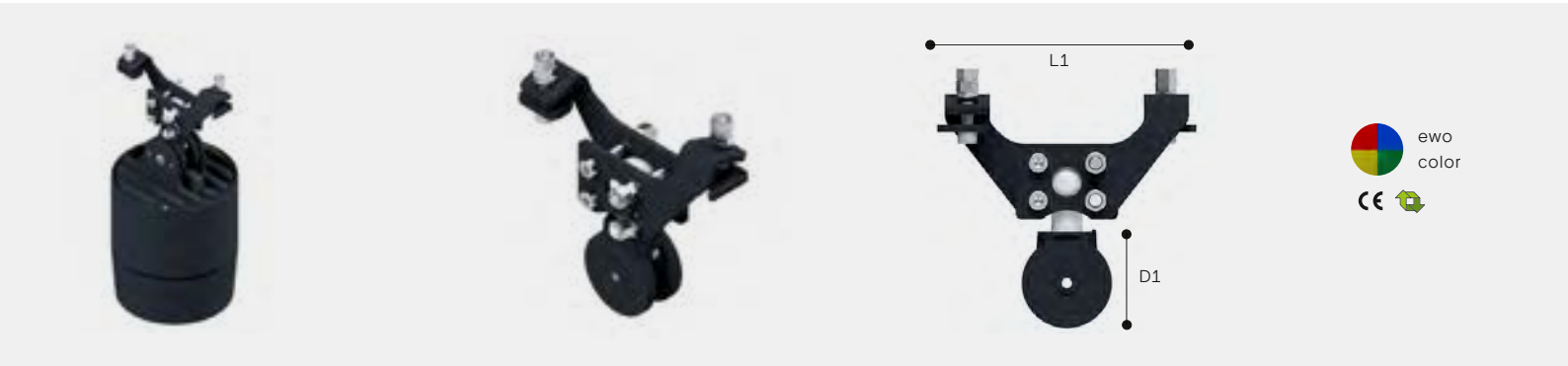
## V-Notch



## V-Notch

Model Slice/Integral	Article	L1 [mm]	D1 [mm]	Note
C90 /C125 / C165	1062098	258	133	The accessory cost is related to the pole modification only and must be added to the standard price of the chosen pole.
C210 / C265	1062099	258	133	

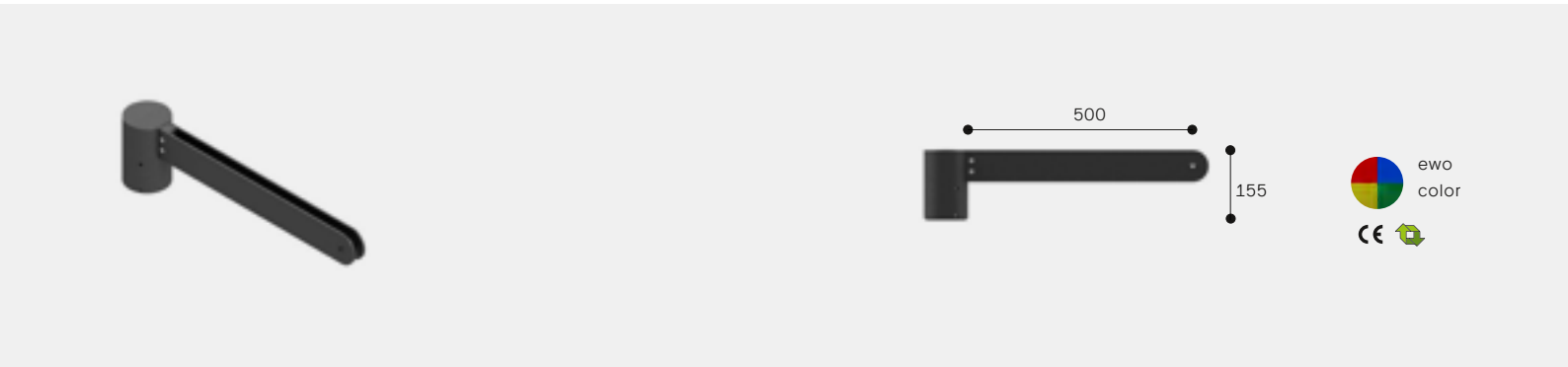
## Catenary




## Catenary

Model Slice	Article	L1 [mm]	D1 [mm]	Note
C125 / C165	1021721	172	60	Fixation for Slice models: for integral ones on request. Element powder-coated, same colour as the projector. Compatible rope diameters: Ø6 mm - Ø14 mm, 360° rotatable.
C210 / C260	1021722	172	70	

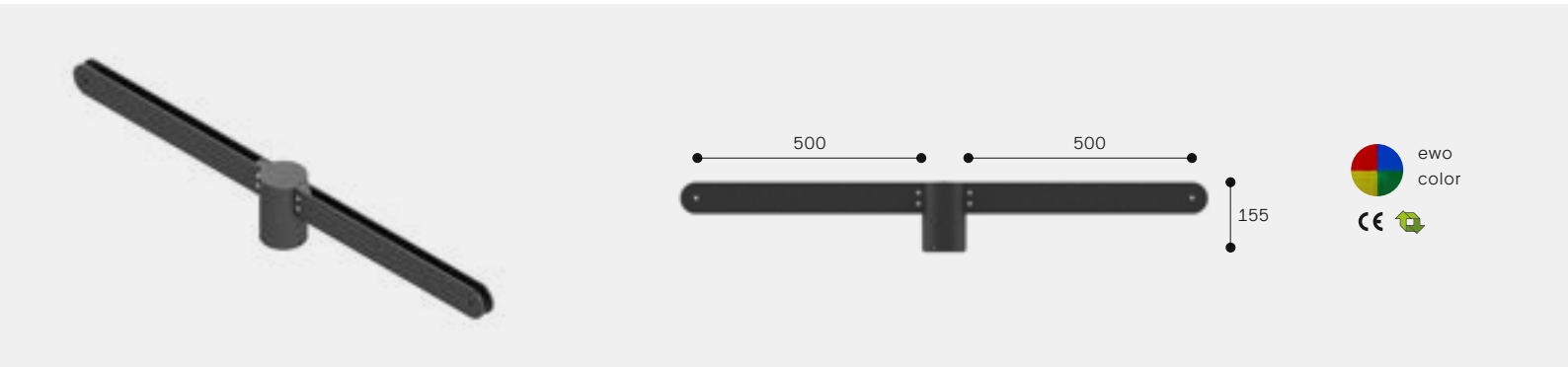
## Single pole adapter




## Single pole adapter

Model Slice/Integral	Article	Ø pole	Ø 	Note
C125 - C165	1062247	76	60	Pole bracket for Chameleon installation, support for pole top Ø76 mm and Ø114 mm. Single arm.
C210 - C260	1062255	76	70	
C125 - C165	1062253	114	60	
C210 - C260	1062257	114	70	

## Duple pole adapter



## Duple pole adapter

Model Slice/Integral	Article	Ø pole	Ø 	Note
C125 - C165	1062248	76	60	Pole bracket for Chameleon installation, support for pole top Ø76 mm and Ø114 mm. Double arm.
C210 - C260	1062256	76	70	
C125 - C165	1062254	114	60	
C210 - C260	1062258	114	70	



AREA  
STREETS  
WALKWAYS  
PEDESTRIAN CROSSINGS

## F-System

The F-System is a comprehensive lighting system, designed by Joerg Boner, featuring three sizes (M, S and XS) allowing it to effortlessly scale to a plethora of architectures. Luminaires are available with single or double head, wall mounted or with a bracket for suspended applications. Optically, the F-System can be configured with either A-Series high precision lens optics or T-Series low glare ewoLightTile for tunable white applications bringing humancentric lighting to urban spaces.









BILL BROWN RESERVE  
Brisbane, Australia, 2020  
F-System



COMUNE DI VILLANDRO  
Villandro, Italy, 2022  
F-System



BILL BROWN RESERVE  
Brisbane, Australia, 2020  
F-System, R-System



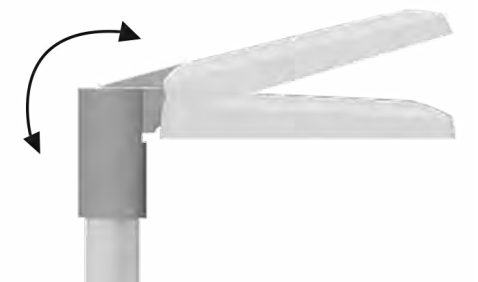




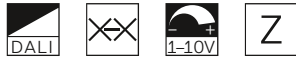
Designer Jörg Boner



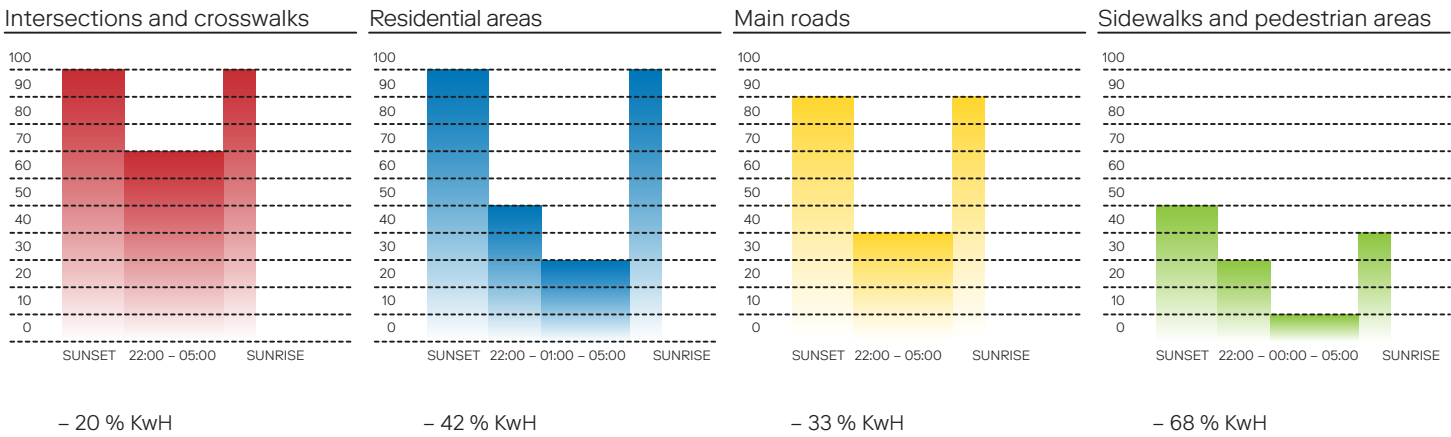
The pole mounted variants are compatible with many pole diameters and can also be adjusted in 5° increments from 0–90°, for pole-tops with a diameter of ø76 mm or ø60 mm.



Luminaires are fitted with a cover that can be opened without the use of tools, making this luminaire family very easy to maintain.



With DALI, 1–10 V and stand alone line switch control, the F–System can easily be controlled to maximise both safety and energy saving.



City light zoning

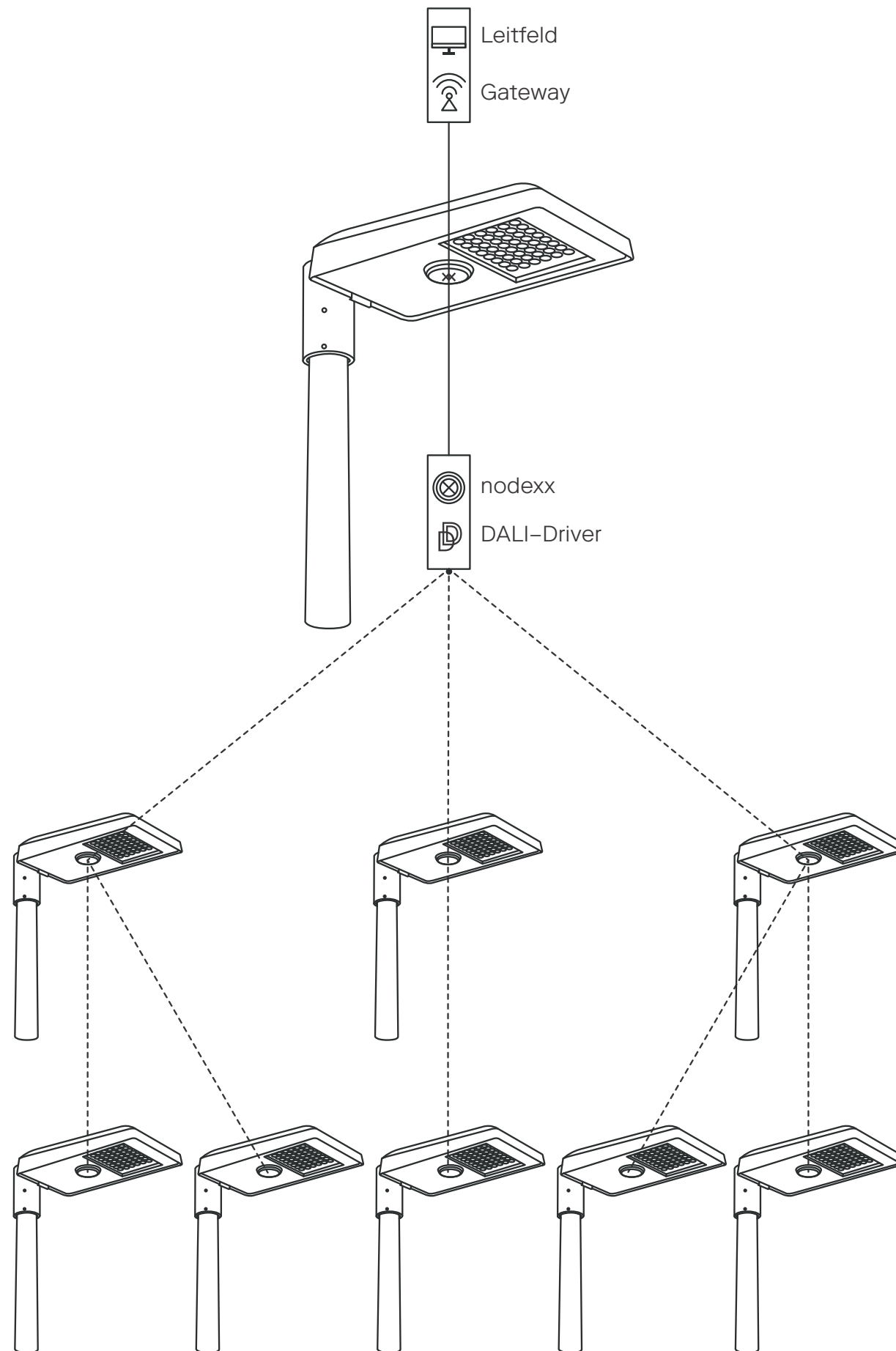
Dimming is an excellent way to save money and electricity without sacrificing safety. It allows optimal management of resources, going on to dramatically cut both costs and consumption.

A functional lighting system was developed for Villanders to drastically mini-

mise energy waste by up to 45 % and to reduce light pollution in accordance with regulations. For pedestrian and residential areas, for instance, it was possible to introduce up to three different stages of dimming between 10 p.m. and system shutdown.



The F-System can also be specified with Zhaga interface for smart city integration and intelligent central lighting control. This is an important feature to onboard urban lighting into the internet of things.

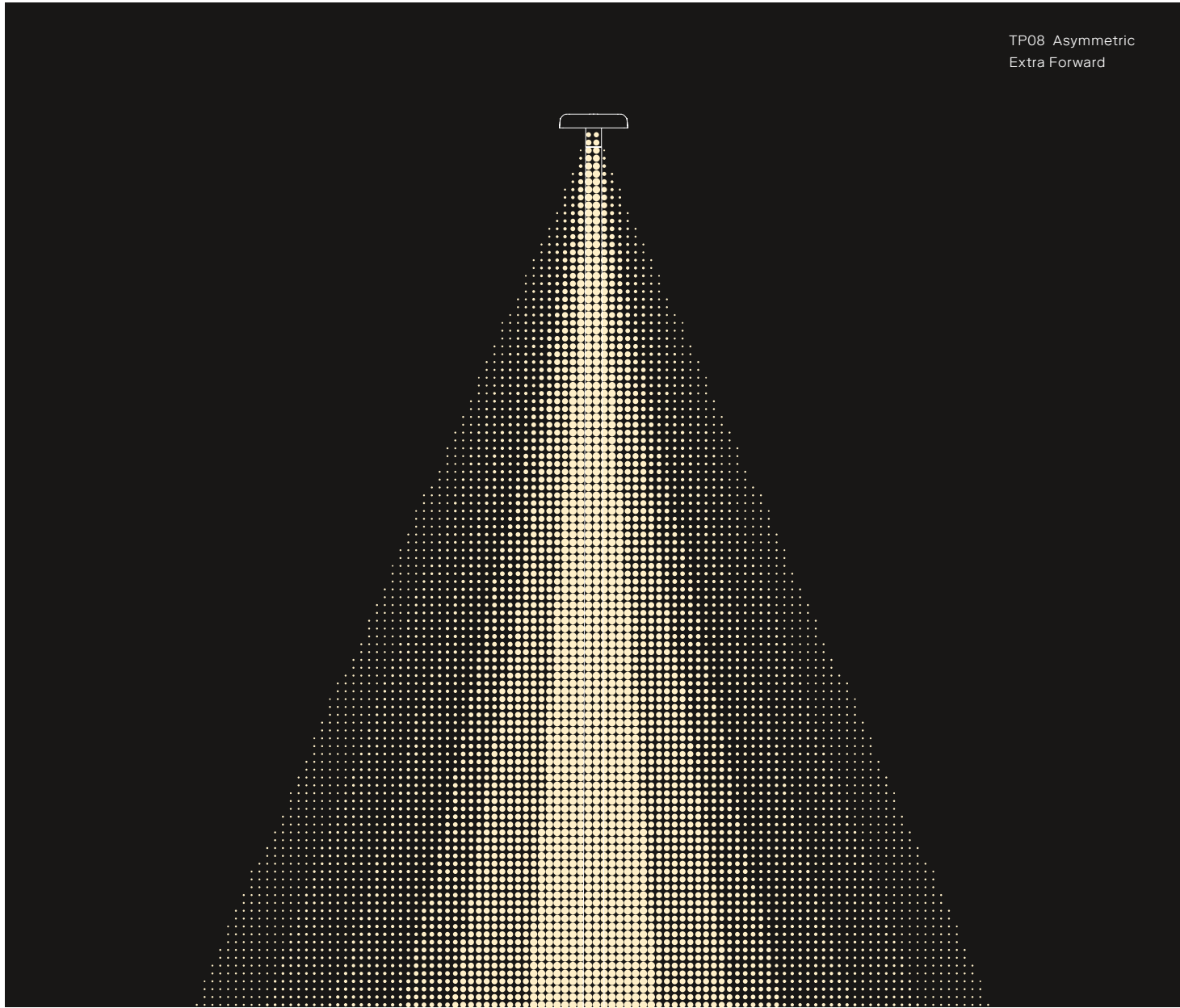


Flexibility creates the possibility of grouping luminaires by manually managing and dimming the lighting. This allows squares, streets, and pathways to be lit in any desired or preferred pattern. In addition, software programming responds to changing needs, such as Christmas lighting or one-off events.

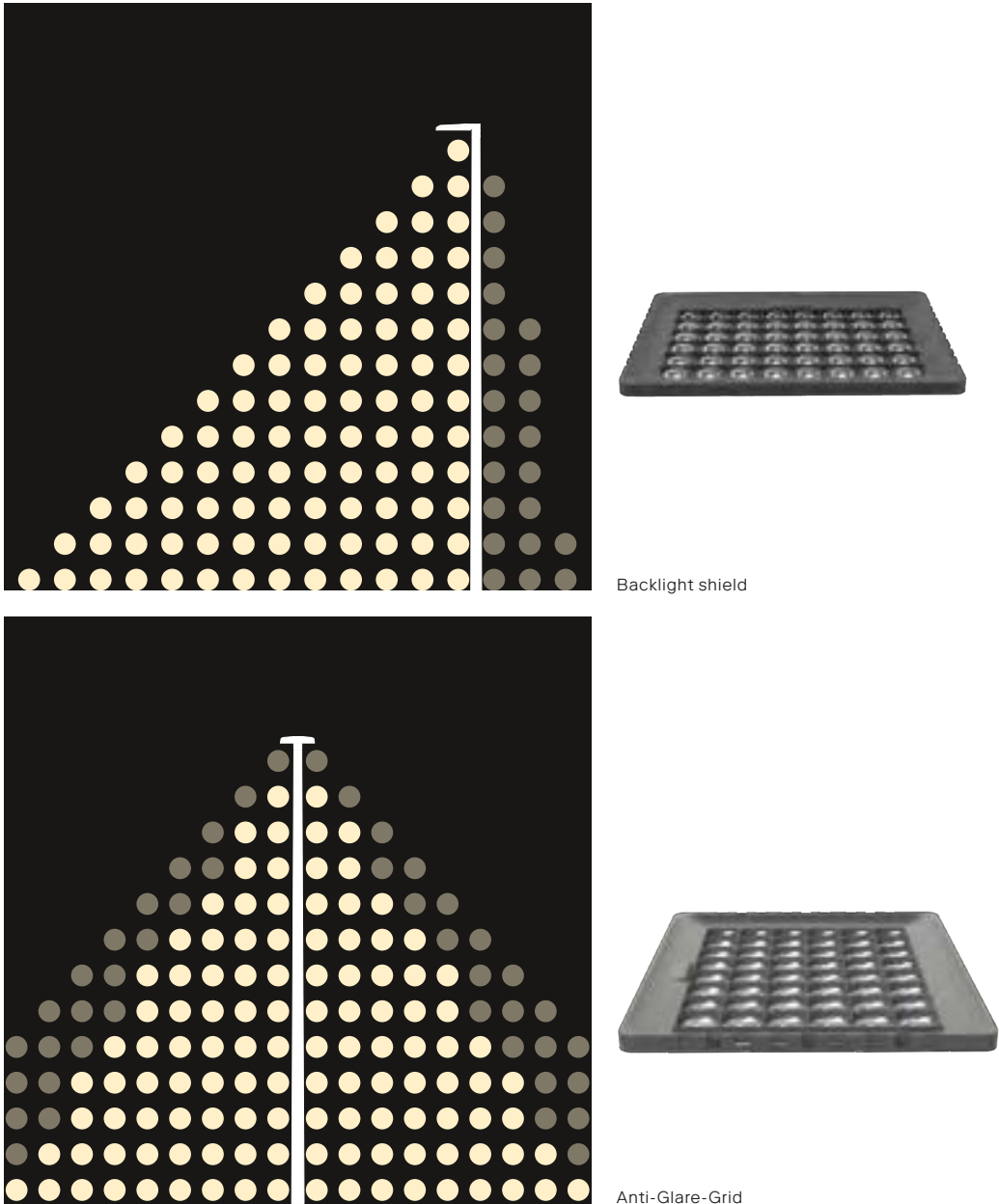


Shape of Light

The F-System is compatible with ewo's A-Series precision lens optics or ewoLightTile, low glare light guiding panels. Fitted with A-Series optics, the T-Series becomes an ideal luminaire for streetlighting and pathway applications. The homogenous yet precise ewoLightTile optics on the other hand, brings dynamic lighting to public spaces to improve wellbeing outside.



ewoLightLayers  
With the new optical accessory, ewoLightLayers, the light guidance of the A-Series is even more precise. To the already extensive range of light distributions, the two effects rear light shield and glare shield increase the choice even more.







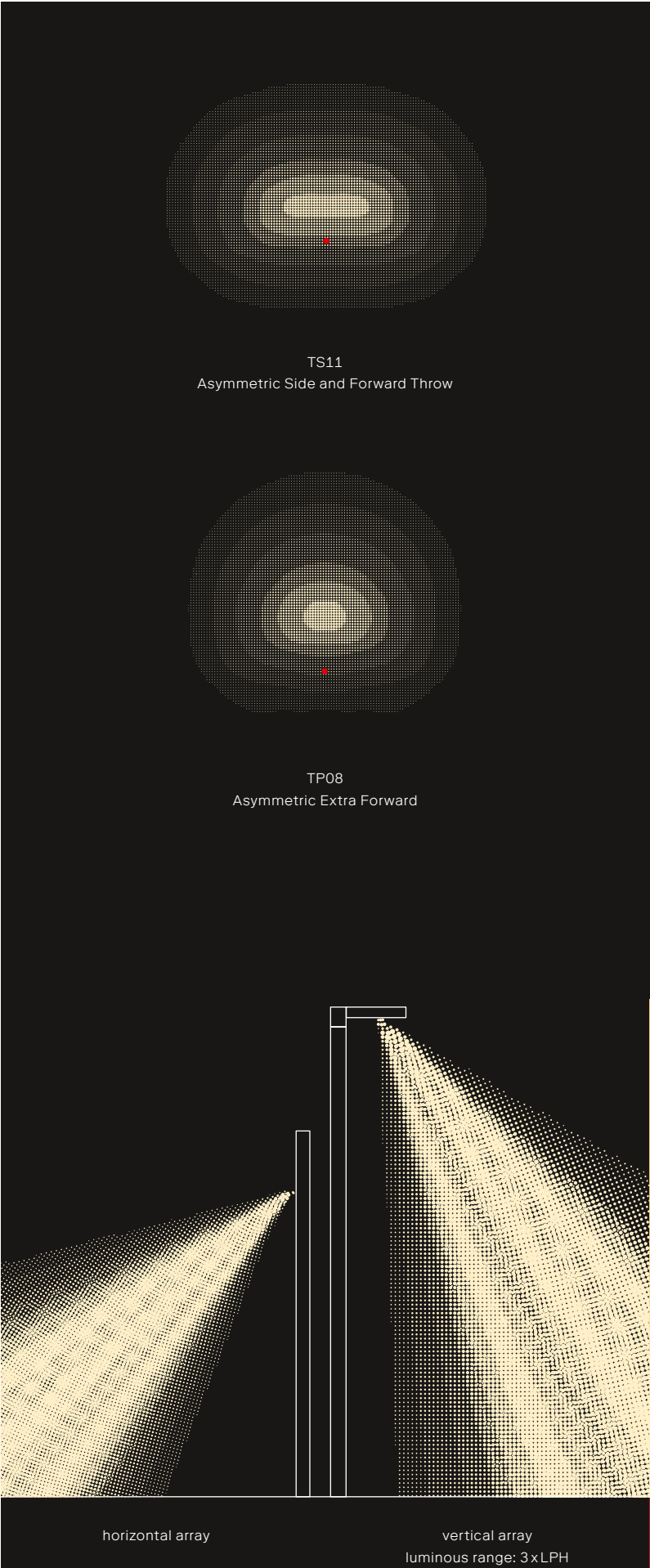
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

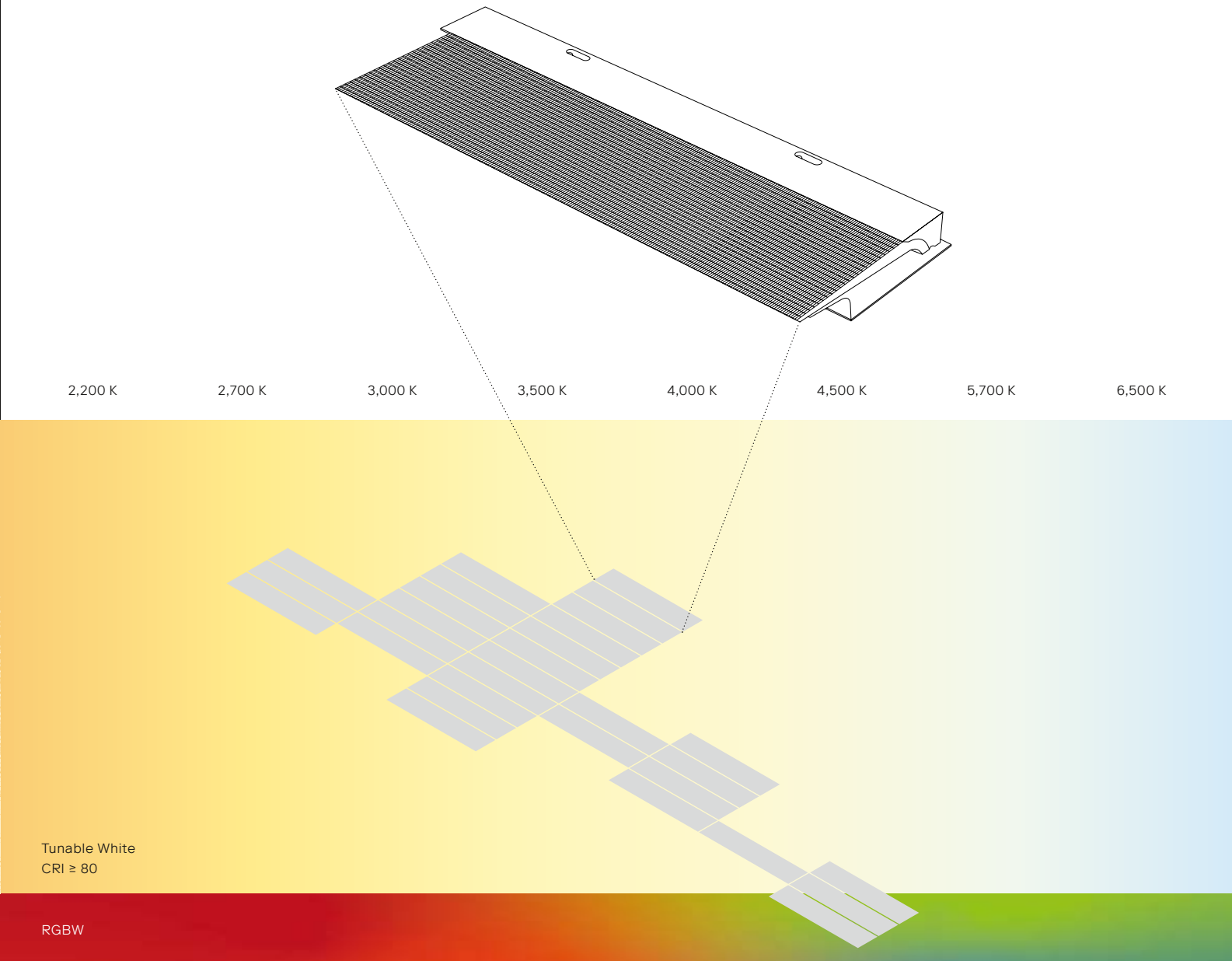
ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile



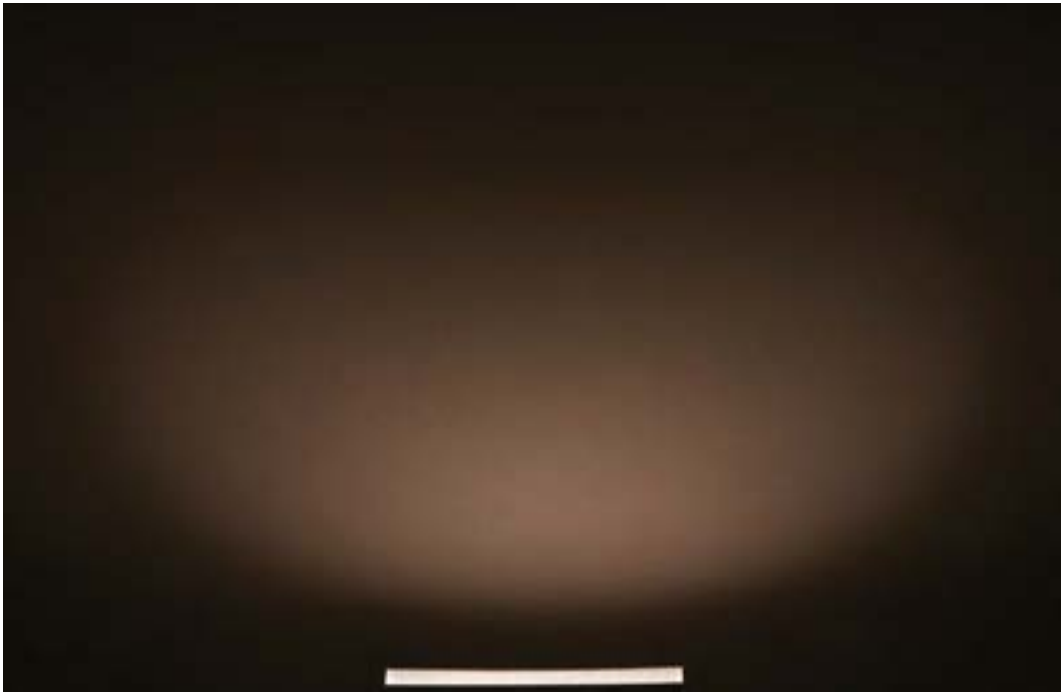
**Areas of Application**  
ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

**Modular Combinations**  
For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.

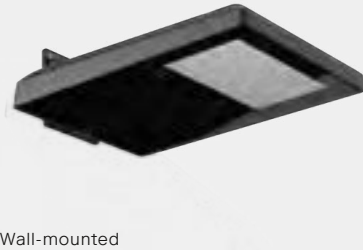


ewoLightTile



F-System

F-System M  
F6, F8, F10  
F6-W, F8-W,  
F10-W



Wall-mounted



A-Series



T-Series

F-System S  
F2, F3, F4, F5



Wall-mounted



Single



Double



A-Series



T-Series

F-System XS  
F1-XS, F2-XS, F3-XS



Wall-mounted



Single



Double

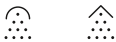


A-Series



T-Series

BODY OF LIGHT



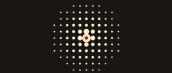
SHAPE OF LIGHT



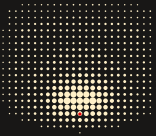
INTELLIGENCE OF LIGHT



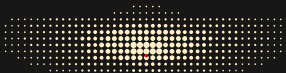
Precision lens optics  
\* also available in satiné version



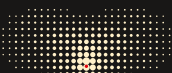
AH02\*  
Symmetric Wide Flood



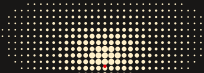
AP07\*  
Asymmetric Extra Forward



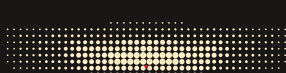
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward – Left

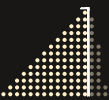


AS10-R  
Asymmetric Forward – Right

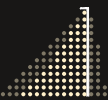


Shape your own light by combining  
any light distribution

ewoLightLayers – optical accessories to guide light precisely



Backlight shield



Anti glare shield



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

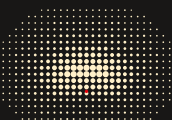


5,700 K  
CRI ≥ 70

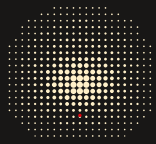
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
-----------	------------

Programming options

Night dimming
---------------

ewo

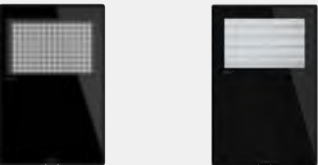
# F-System M

F6, F8, F10

Roads and traffic  
Airports and logistics



- DB 703 Anthracite
- ewo color

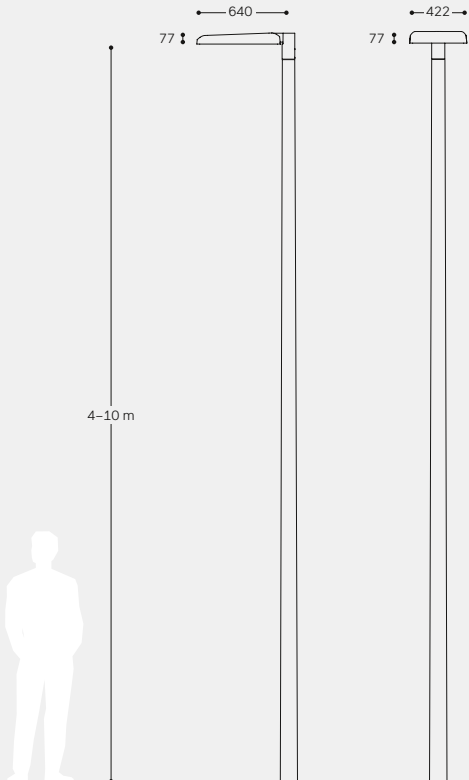


A-Series  
F6 / F8 / F10  
6–10 lighting units

T-Series  
F6 / F8 / F10  
6–10 lighting units

Configurator

CE RoHS IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall, bracket
Pole adapter	Aluminum, fixed position, 90° for pole-top ø89 mm, ø114 mm or ø133 mm (single or double design)

\* other color on request  
\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	②	③	Weight [kg] ④
F6	4–10	0.29	0.07	14.2
F6–W	/	0.27	0.05	13.9
F8	4–10	0.29	0.07	14.4
F8–W	/	0.27	0.05	14.1
F10	4–10	0.29	0.07	14.6
F10–W	/	0.27	0.05	14.3

① in 1 m steps      ② projected windage area [m²]      ③ lateral windage area [m²]      ④ With pole adapter/fixing bracket without power cable (Pole adapter Ø76 fix 1.2 kg/ fixing bracket (-W) 0.9 kg)

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	650*	225
LED power max. [W]	295	119

\* F10 max. 600 mA

Driver

	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels

AH02\*  
Symmetric Wide Flood

AP07\*  
Asymmetric Extra Forward

AS06\*  
Asymmetric Extra Side Throw

TS11  
Asymmetric Side and Forward Throw

AS07\*  
Asymmetric Side Throw

AS08\*  
Asymmetric Side and Forward Throw

AS09\*  
Asymmetric Extra Side Throw

TP08  
Asymmetric Extra Forward

Shape your own light by combining any light distribution

- 2,200 K  
CRI ≥ 70
- 2,700 K  
CRI ≥ 70
- 3,000 K  
CRI ≥ 80
- 4,000 K  
CRI ≥ 70
- 5,700 K  
CRI ≥ 70
- CRI ≥ 80  
on request
- Tunable White  
CRI ≥ 80
- RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	TS11	TP08
MacAdam ellipses (SDCM)			≤ 5 SDCM					≤ 5 SDCM

Model	F6/-W	F8/-W	F10/-W	F6/-W	F8/-W	F10/-W
Light units	6	8	10	6	8	10
Luminous flux [lm]	5,700–21,900	7,500–29,200	9,400–34,200	5,500	7,300	9,100

Accessories

ewoLightLayers (optical accessories)

Pole bracket variants



Backlight shield



Anti-Glare Grid      60° / 70 °



Fixed 90° pole-top

Available designs



Single



Double



Wall-mounted



Bracket



Glass cover can be  
opened without tools



ewo

# F-System S

F2, F3, F4, F5

Roads and traffic



DB 703  
Anthracite



ewo  
color



A-Series  
F2 / F3 / F4 / F5  
2-5 lighting units



T-Series  
F2 / F3 / F4 / F5  
2-5 lighting units




Configurator

CE RoHS IP66 IK08


Housing		Measurements			
Housing material	Aluminum die-cast	Model	LPH [m] ①	↓ ②	→ ③
Housing finish	Polyester powder coating (ewoECP upon request**)	F2	4-10	0.19	0.07
Finish standard colour	Anthracite (DB 703)*	F2-W	/	0.18	0.04
Glass	Safety glass (ESG)	F3	4-10	0.19	0.07
Mounting options	Pole, wall	F3-W	/	0.18	0.04
Pole adapter	Aluminum, fixed position, 90° for pole-top ø89 mm, ø114 mm or ø133 mm (single or double design)	F4	4-10	0.19	0.07
	* other color on request	F4-W	/	0.18	0.04
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	F5	4-10	0.19	0.07
		F5-W	/	0.18	0.04
		① in 1 m steps			
		② projected windage area [m²]			
		③ lateral windage area [m²]			
		④ With pole adapter/fixing bracket without power cable (Pole adapter Ø76 fix 1.2 kg/ fixing bracket (-W) 0.9 kg)			

Electrical	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700*	225
LED power [W]	147	60
	* F5 max. 600 mA	

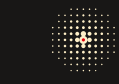
Driver	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



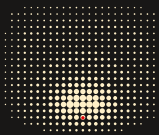
Precision lens optics  
\* also available in satiné version



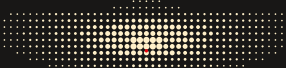
ewoLighTile: low glare  
light-guiding panels



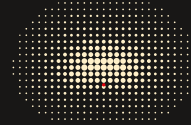
AH02\*  
Symmetric Wide Flood



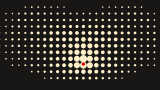
AP07\*  
Asymmetric Extra Forward



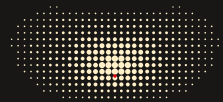
AS06\*  
Asymmetric Extra Side Throw



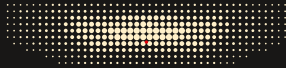
TS11  
Asymmetric Side and Forward Throw



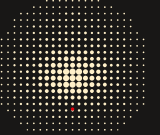
AS07\*  
Asymmetric Side Throw




AS08\*  
Asymmetric Side and Forward Throw




AS09\*  
Asymmetric Extra Side Throw




TP08  
Asymmetric Extra Forward




AS10-L  
Asymmetric Forward - Left



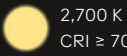
AS10-R  
Asymmetric Forward - Right



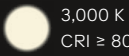
Shape your own light by combining  
any light distribution



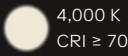
2,200 K  
CRI ≥ 70



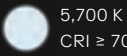
2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80

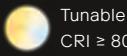


4,000 K  
CRI ≥ 70




5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request



Tunable White  
CRI ≥ 80



RGBW

## Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)	≤ 5 SDCM					≤ 5 SDCM				

Model	F2/-W	F3/-W	F4/-W	F5/-W	F2/-W	F3/-W	F4/-W	F5/-W
Light units	2	3	4	5	2	3	4	5
Luminous flux [lm]	1,900-8,400	2,900-12,000	3,800-15,500	4,700-17,100	1,800	2,700	3,600	4,600

## Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid 60° / 70°

## Pole bracket variants



Fixed 90° pole-top



Fixed side-entry



Adjustable 0-90°

## Available designs



Single



Double



Wall-mounted



Glass cover can be opened without tools

F-System XS

F1-XS, F2-XS, F3-XS

Large area and street lighting



DB 703 Anthracite

ewo color



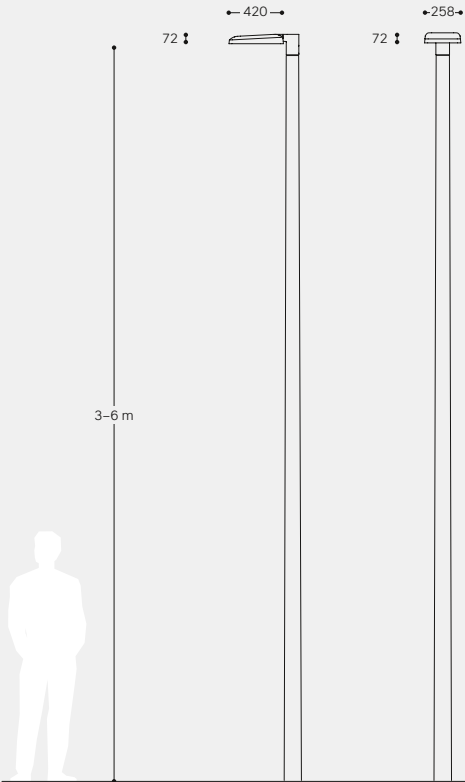
A-Series  
F1-XS / F2-XS / F3-XS  
1-3 lighting units



T-Series  
F2-XS / F3-XS  
2-3 lighting units

Configurator

CE RoHS IK08



Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole Adapter	Aluminum, fixed position, 90° for pole-top ø 42 mm, ø 48 mm, ø 60 mm, ø 89 mm, ø 114 mm or ø 133 mm (single or double design) / fixed position, 0° for pole-top ø 42 mm, ø 48 mm or ø 60 mm / adjustable in 5° increments from 0-90°, for pole-top ø 76 mm or ø 60 mm
* other color on request	
** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700*	225
LED power [W]	145	60
* F3-XS 650 mA		

Driver

	A-Series	T-Series
Control options	ON OFF DALI 1-10V X Z L/S	T8 DALI
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements

Model	LPH [m] ①	⬇️ ②	⬅️ ③	Weight [kg] ④
F1-XS	3-6	0.13	0.05	7.9
F1-XS-W	/	0.11	0.03	7.6
F2-XS	3-6	0.13	0.05	8.1
F2-XS-W	/	0.11	0.03	7.9
F3-XS	3-6	0.13	0.05	8.3
F3-XS-W	/	0.11	0.03	8.1
① in 1 m steps		② projected windage area [m²]		
		③ lateral windage area [m²]		
		④ With pole adapter/fixing bracket without power cable (Pole adapter Ø76 fix 1.2 kg/ fixing bracket (-W) 0.9 kg)		

Operating conditions

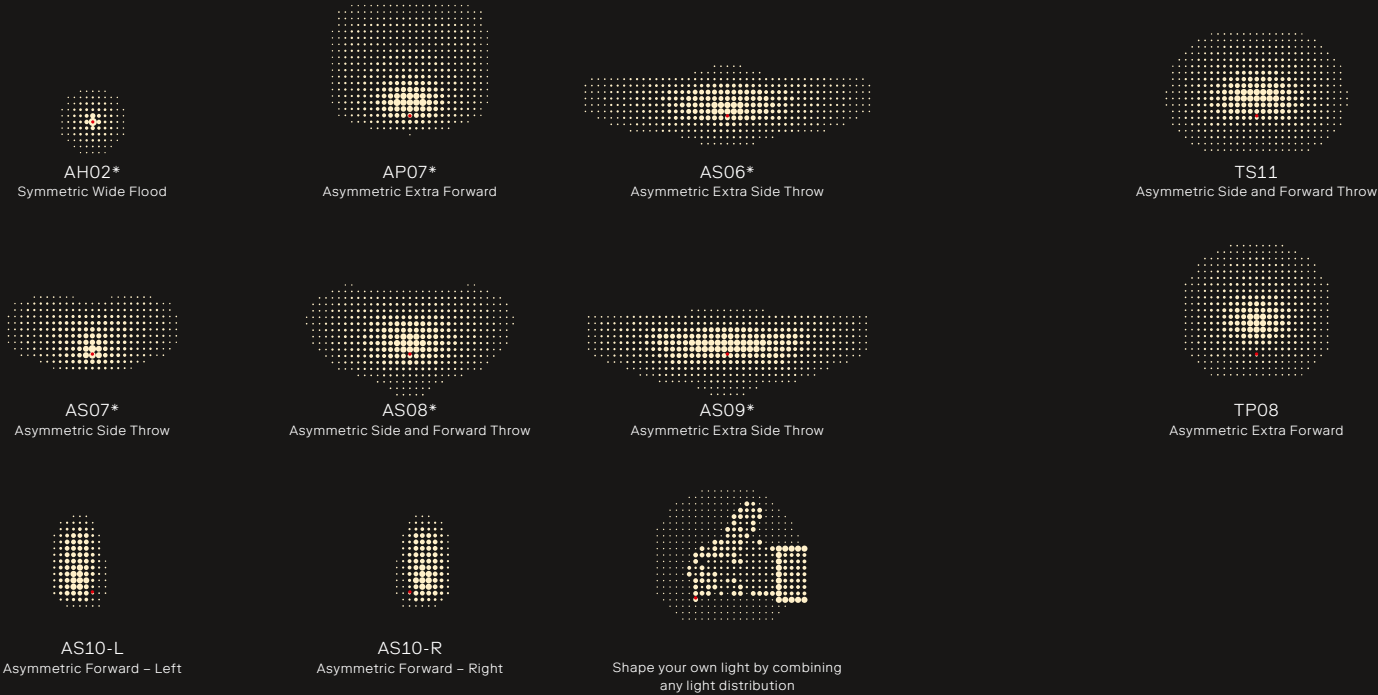
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)	≤ 5 SDCM								≤ 5 SDCM	

Model	F1-XS/-W	F2-XS/-W	F3-XS/-W	F2-XS/-W	F3-XS/-W
Light units	1	2	3	2	3
Luminous flux [lm]	1,000-4,200	1,900-8,400	2,900-12,000	1,800	2,700

Accessories

ewoLightLayers (optical accessories)

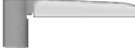


Backlight shield



Anti-Glare Grid 60° / 70 °

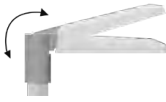
Pole bracket variants



Fixed 90° pole-top



Fixed side-entry



Adjustable 0-90°

Available designs



Single



Double



Wall-mounted

Glass cover



Glass cover can be opened without tools



Bolted glass cover





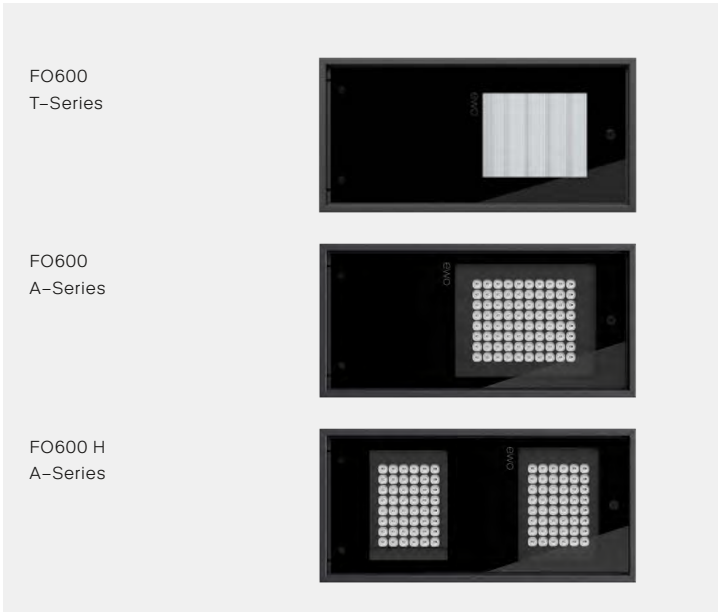
AREA  
HIGH BAY  
WALKWAYS

## FO

The FO family of pole and wall mounted luminaires is available with either A-Series high precision lens optics for static white applications or T-Series low glare ewoLightTile for tunable white configurations.

Body of Light

The body of the FO luminaires can house up to 5 light units, providing various light distributions for area, high bay, street or walkway lighting. Pole and wall mounted luminaires are in two different sizes as FO420 and FO600 (optionally as a double head design available).



Intelligence of Light

Smart Lighting control modules for different communication standards or external Zhaga interface can optionally be integrated into the luminaire, allowing it to join smart city networks.







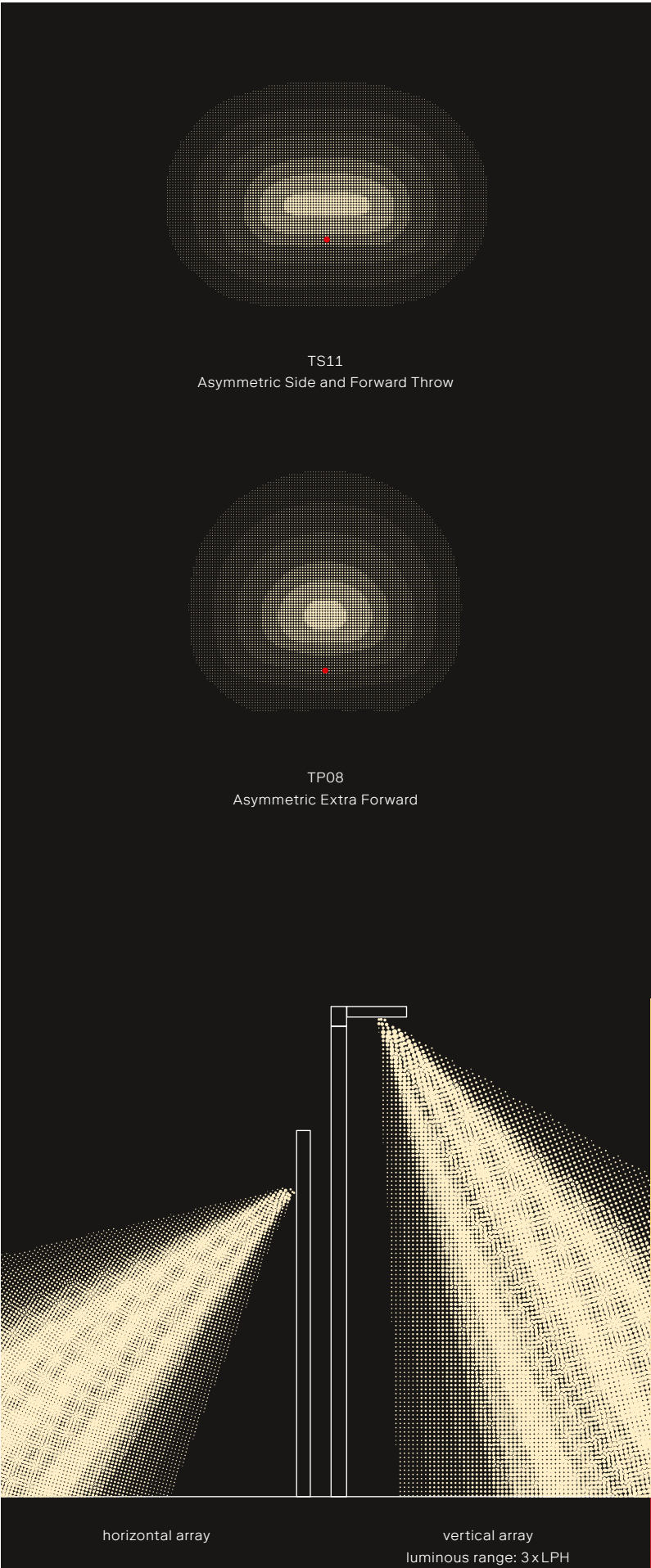
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

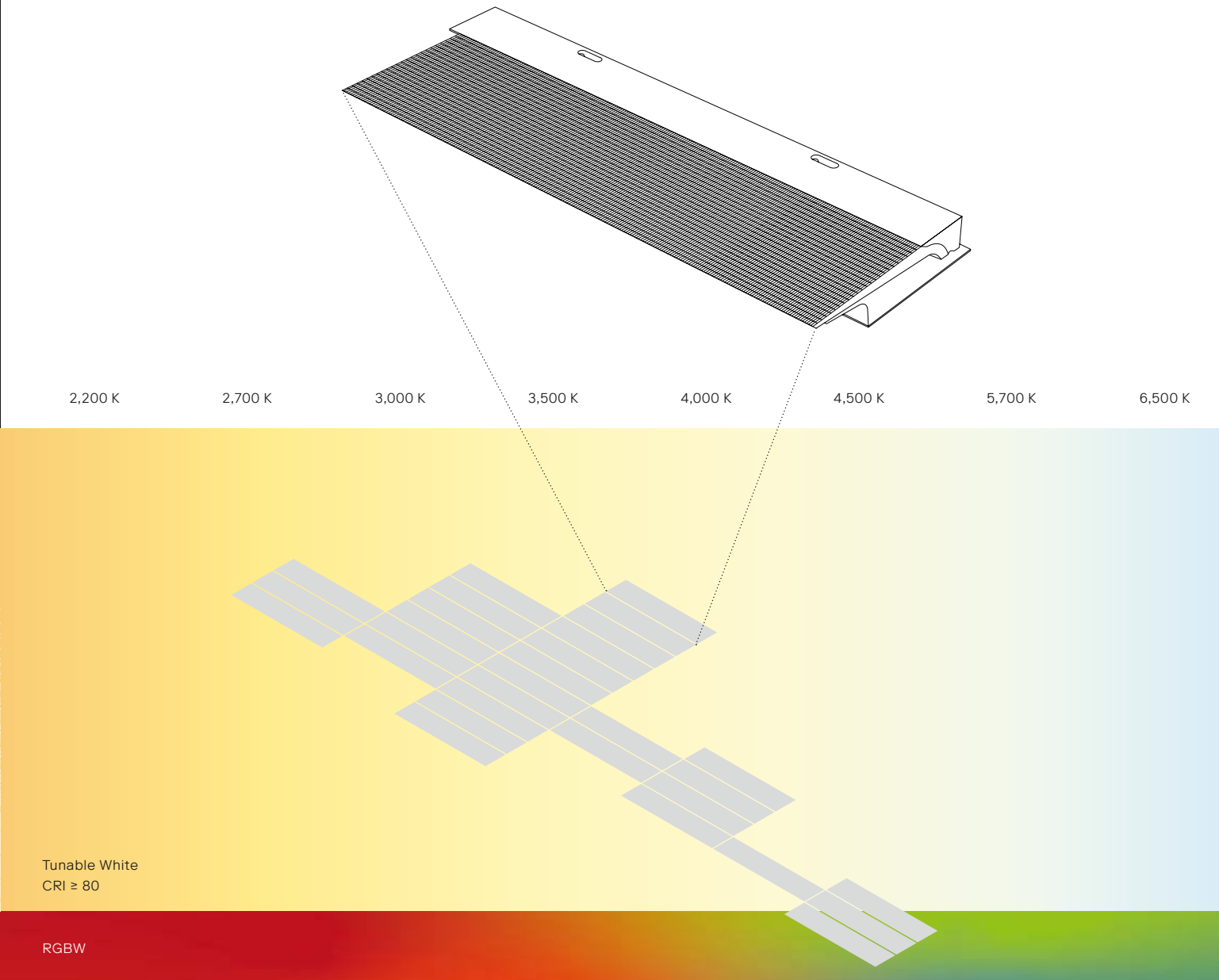


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

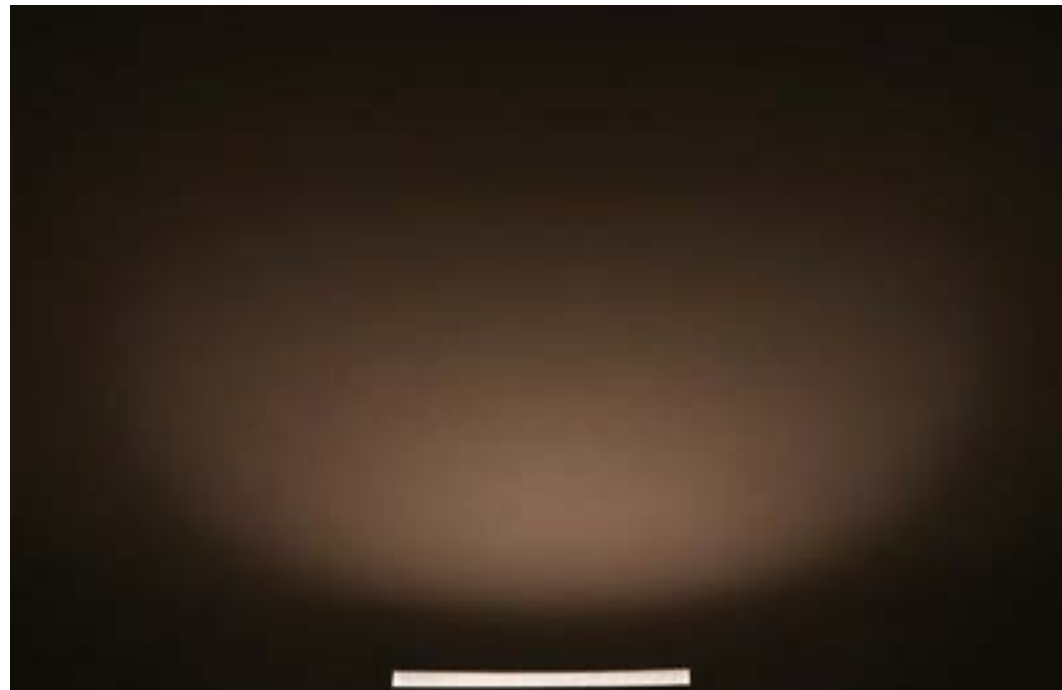
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.





BODY OF LIGHT

SHAPE OF LIGHT

INTELLIGENCE OF LIGHT

FO420  
FO420-W



A-Series  
1-3 lighting units



T-Series  
2-3 lighting units

FO600  
FO600-W



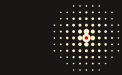
A-Series  
3-5 lighting units



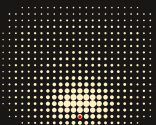
T-Series  
3-5 lighting units

A  
SERIES

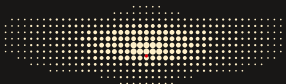
Precision lens optics  
\* also available in satiné version



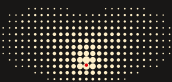
AH02\*  
Symmetric Wide Flood



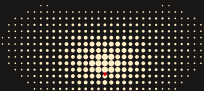
AP07\*  
Asymmetric Extra Forward



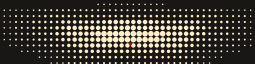
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward - Left



AS10-R  
Asymmetric Forward - Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

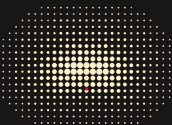


5,700 K  
CRI ≥ 70

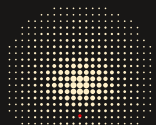
CRI ≥ 80  
on request

T  
SERIES

ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW

A  
SERIES

Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1-10 V	1-10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	

T  
SERIES

Control protocols

DALI 2 T8	T8 DALI
-----------	------------

Programming options

Night dimming
---------------

FO420

FO420  
FO420-W

Public space  
Roads and traffic



DB 703  
Anthracite

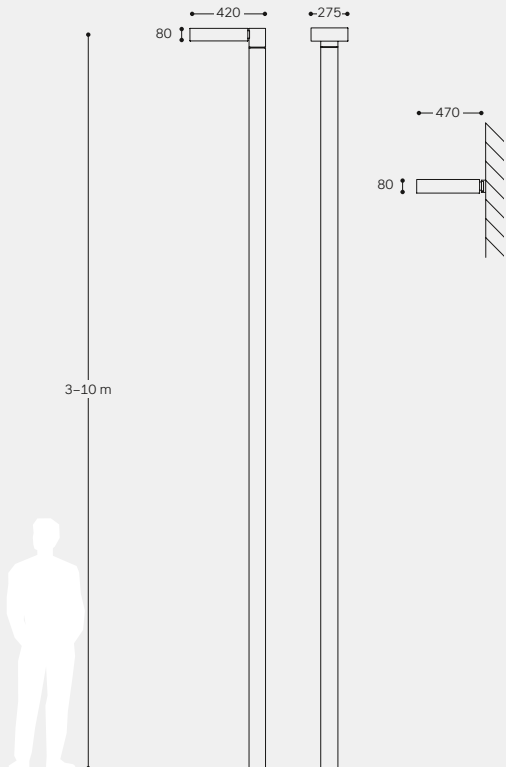
ewo  
color



A-Series  
1-3 lighting units



T-Series  
2-3 lighting units



Configurator

CE IP66 RoHS IK08

Housing









Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø 42 mm, ø 48 mm, ø 60 mm, ø 76 mm, ø 89 mm, ø 114 mm or ø 133 mm (single or double design), fixed position, 0° for pole-top ø 42 mm, ø 48 mm or ø 60 mm, adjustable in 5° increments from 0–90°, for pole-top ø 60 mm or ø 76 mm

\* other color on request  
\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	650	225
LED power max. [W]	95	36

Driver

	A-Series	T-Series
Control options	     	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Dimensions

Model	LPH [m] ①	②	③	Weight [kg]
FO420	3–10	0.11	0.06	11.0
FO420-W	/	0.12	0.05	10.0

① in 0.1 m steps    ② projected windage area [m²]    ③ lateral windage area [m²]

Operating conditions


Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------



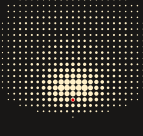
Precision lens optics  
\* also available in satiné version



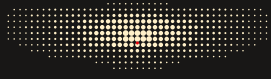
ewoLighTile: low glare  
light-guiding panels



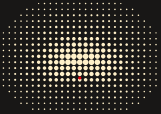
AH02\*  
Symmetric Wide Flood



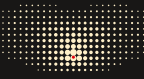
AP07\*  
Asymmetric Extra Forward



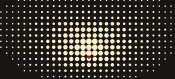
AS06\*  
Asymmetric Extra Side Throw



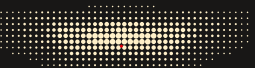
TS11  
Asymmetric Side and Forward Throw



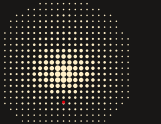
AS07\*  
Asymmetric Side Throw




AS08\*  
Asymmetric Side and Forward Throw




AS09\*  
Asymmetric Extra Side Throw




TP08  
Asymmetric Extra Forward



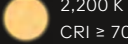
AS10-L  
Asymmetric Forward – Left



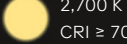
AS10-R  
Asymmetric Forward – Right



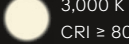
Shape your own light by combining  
any light distribution



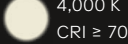
2,200 K  
CRI ≥ 70



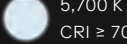
2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80

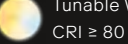


4,000 K  
CRI ≥ 70




5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request



Tunable White  
CRI ≥ 80



RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)				≤ 5 SDCM					≤ 5 SDCM	

Model	FO420/-W		FO420/-W
Light units	1-3		2-3
Luminous flux [lm]	1,000-10,900		1,800-2,700

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid    60° / 70 °

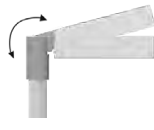
Pole bracket variants



Fixed 90° pole-top



Fixed side-entry



Adjustable 0-90°

Available designs



Single



Double



Wall-mounted

Glass cover



Glass cover can be  
opened without tools



Bolted glass cover



FO600

FO600  
FO600-W

Public space  
Roads and traffic



DB 703  
Anthracite

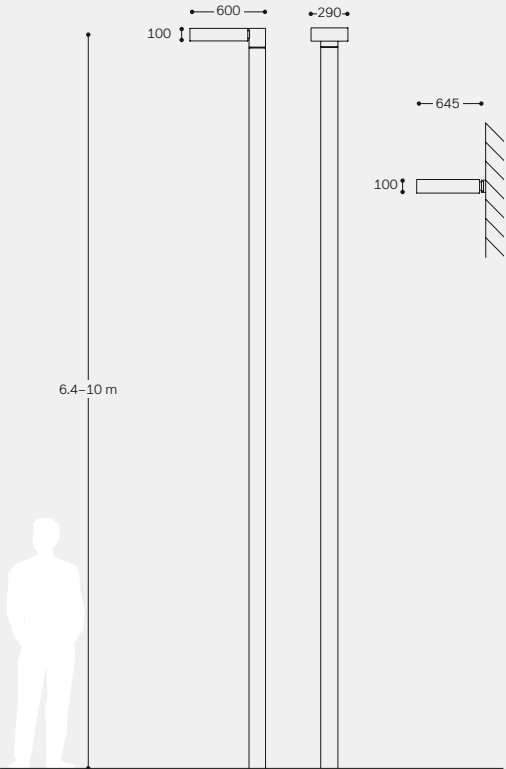
ewo  
color



A-Series  
3-5 lighting units



T-Series  
3-5 lighting units



Configurator

CE IP66 RoHS IK08









Housing

Housing material	Stainless steel
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø 60 mm, ø 76 mm, ø 114 mm or ø 133 mm (single or double design)
* other color on request	
** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	550	225
LED power max. [W]	135	60

Driver

	A-Series	T-Series
Control options	     	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements

Model	LPH [m] ①	↓ ②	→ ③	Weight [kg]
FO600	6.4-10	0.19	0.08	17.0
FO600-W	/	0.18	0.06	18.0
		① in 0.1 m steps	② projected windage area [m²] ③ lateral windage area [m²]	

Operating conditions


Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------



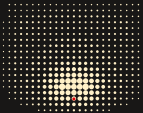
Precision lens optics  
\* also available in satiné version



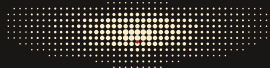
ewoLightTile: low glare  
light-guiding panels



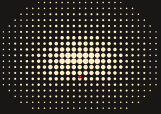
AH02\*  
Symmetric Wide Flood



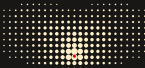
AP07\*  
Asymmetric Extra Forward



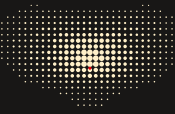
AS06\*  
Asymmetric Extra Side Throw



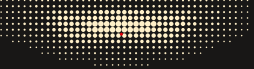
TS11  
Asymmetric Side and Forward Throw



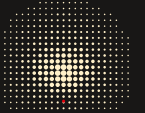
AS07\*  
Asymmetric Side Throw




AS08\*  
Asymmetric Side and Forward Throw




AS09\*  
Asymmetric Extra Side Throw




TP08  
Asymmetric Extra Forward




AS10-L  
Asymmetric Forward - Left





AS10-R  
Asymmetric Forward - Right





Shape your own light by combining  
any light distribution


 2,200 K  
CRI ≥ 70


 2,700 K  
CRI ≥ 70


 3,000 K  
CRI ≥ 70/80

 4,000 K  
CRI ≥ 70

 5,700 K  
CRI ≥ 70

 CRI ≥ 80  
on request

 Tunable White  
CRI ≥ 80

 RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

Model	FO600/-W	FO600/-W
Light units	3-5	3-5
Luminous flux [lm]	2,900-15,900	4,600

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid  
60° / 70 °



Fixed 90° pole-top

Available designs



Single



Double



Wall-mounted



Glass cover with  
bayonet lock



PUBLIC SPACE  
ROADS AND TRAFFIC

## FA

The FA family of products is a versatile lighting system available as pole mounted systems, bollards and wall luminaires, helping to create a consistent design language across urban spaces. The FA family utilises two main optical systems. High precision A-Series lenses ideal for applications including street, area, walkway lighting and pedestrian crossings. And T-Series lenses, also known as ewoLightTile, offering maximum visual comfort with LEDs hidden inside, making it ideal for vertical optic elements that sit in the pole of the FA luminaire. With tunable white options and smart control, the FA can significantly contribute to empowering wellbeing outdoors.









HELSINKI AIRPORT  
Helsinki, Finland, 2021

ALA Architects  
FA



GRIES EAST RESIDENTIAL AREA  
Gries (BZ), Italy, 2021  
FA



BÄCKEREI KASPROWICZ  
Pahl, Germany, 2020  
SL-Elektroplanung, Nürnberg – Lichttechnik, Johann Lichtl  
FA



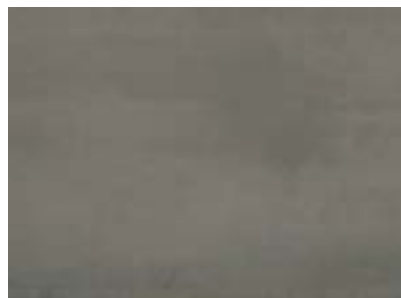


### Skins + protection

With different finishes and materials FA is prepared to match modern architecture and urban landscapes.



COR-TEN



RAW STEEL



ewoECP

Protect and clothe your FA luminaire with rough COR-TEN, pure raw steel or with the internally developed ewoECP treatment for additional extra anti corrosion protection (ewoECP).

### Forms + combinations

The design of the FA family pole luminaire allows for double or single variants. Integration of an EL unit as vertical alignment is also possible.



CEILING FA100-C



WALL DOWNLIGHT FA100-WD



WALL UPLIGHT FA100-WU

The clear design language has been extended to ceiling luminaires and wall luminaires and provides you with a wide range of elements that allow you to cover many areas of lighting planning in a coherent design with one family.





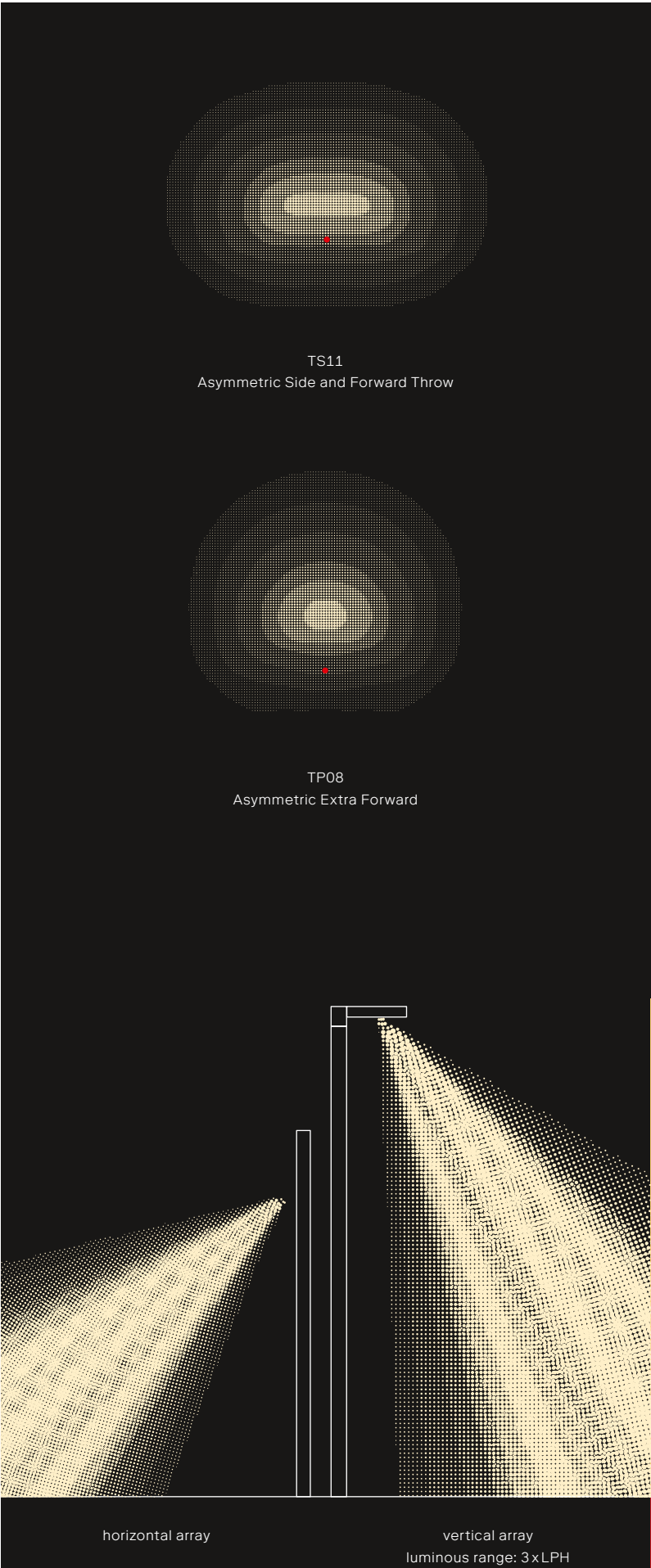
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

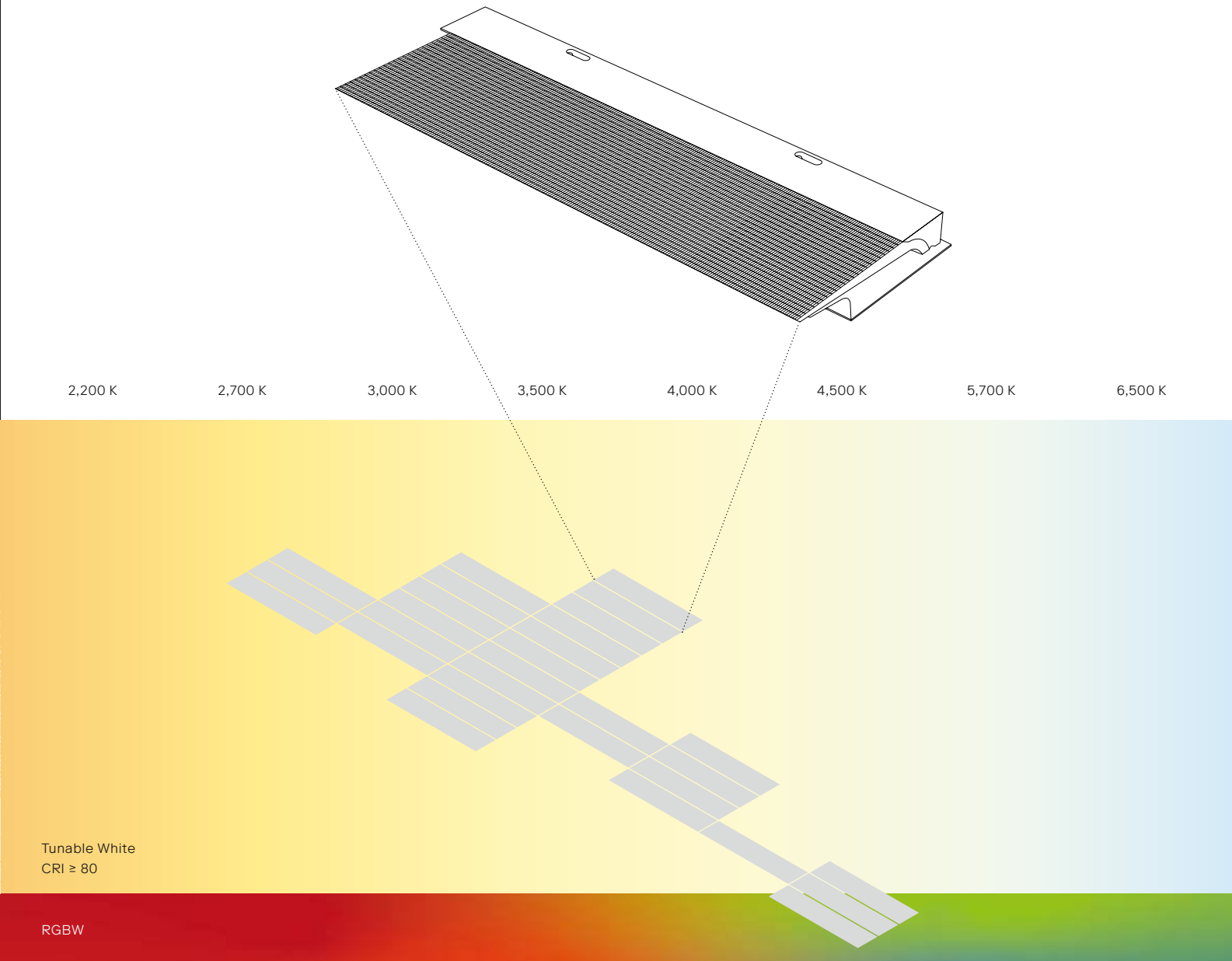


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

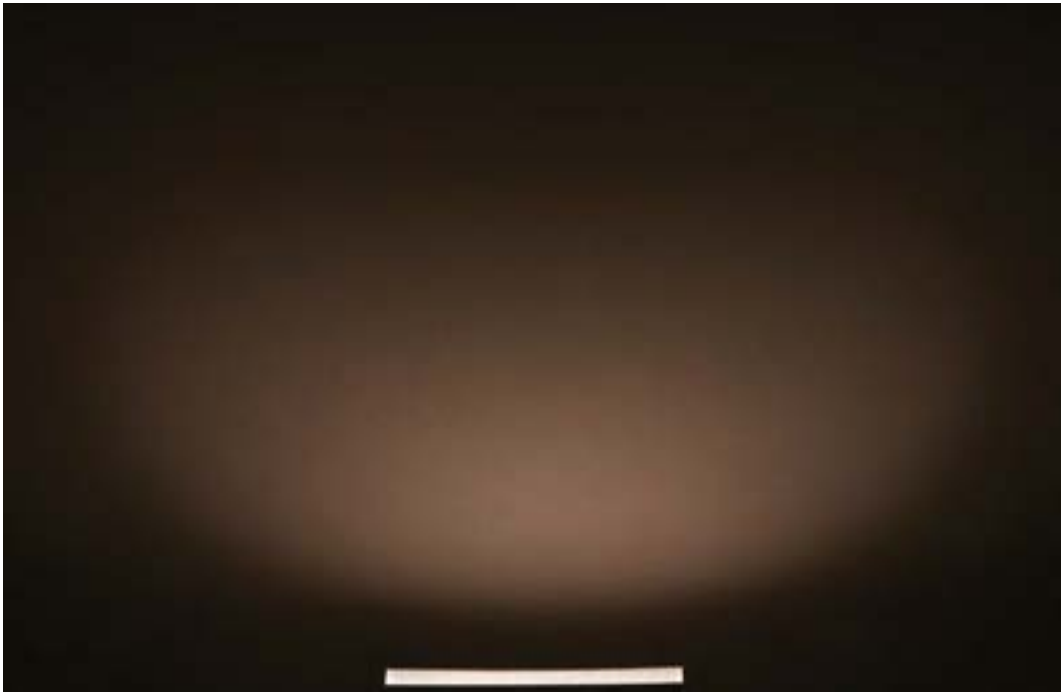
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



ewoLightTile



FA770  
FA770-W  
FA1070



A-Series  
FA770  
1-4 LU



A-Series  
FA1070  
5-6 LU



T-Series  
FA770  
2-4 LU



T-Series  
FA1070  
5-6 LU

FA170



A-Series  
8 LEDs

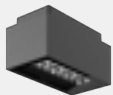


A-Series  
16 LEDs

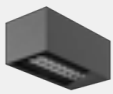


T-Series  
32 LEDs

FA100-C,  
FA100-WD,  
FA100-U



Ceiling-mounted



Wall-mounted downlight



Wall-mounted uplight



A-Series  
8 LEDs



A-Series  
16 LEDs



T-Series  
32 LEDs

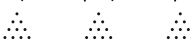
BODY OF LIGHT



SHAPE OF LIGHT



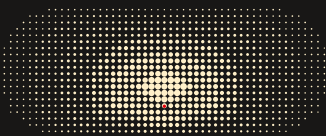
INTELLIGENCE OF LIGHT



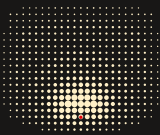
Precision lens optics  
\* also available in satiné version



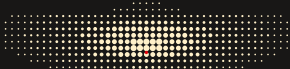
AH02\*  
Symmetric Wide Flood



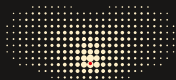
AP06\*  
Asymmetric Forward Extra Side Throw



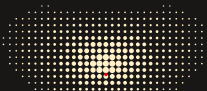
AP07\*  
Asymmetric Extra Forward



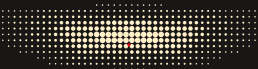
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



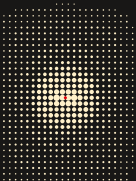
AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward - Left



AS10-R  
Asymmetric Forward - Right



APC07\*  
Symmetric Extra Forward and Backward



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

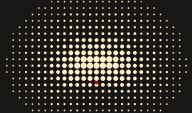


5,700 K  
CRI ≥ 70

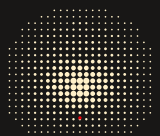
CRI ≥ 80  
on request



ewoLightTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW



Control protocols

ON/OFF



DALI 2



1-10 V



ewo connexx



Zhaga Book 18



Line Switch



Programming options

CLO

Constant Lumen Output

AC/DC

Emergency power supply

Stand-alone



Control protocols

DALI 2 T8



Programming options

Night dimming

FA770  
FA770-W  
FA1070

Public space  
Roads and traffic  
Pedestrian path  
Accent lighting

DB 703  
Anthracite

ewo  
color

A-Series  
1-6 lighting units

T-Series  
2-6 lighting units

FA770-W

FA1070

FA770

6-8 m

2.5-6 m

230

85

770

108

1,070

268

Configurator

CE RoHS IK08

Housing

Housing material	Extruded aluminium profile (optional COR-TEN steel)
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Silver grey (RAL 9007 / DB 702)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall <div>* other color on request</div> <div>** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance (except 1070)</div>

Measurements

Model	LPH [m] ①	④	⑤	Weight [kg] ⑥
FA770	2.5-6	0.18	1.38	95.0*
FA770-W	/	0.16	0.06	14.5
FA1070	6-8	0.29	2.14	176.0**
	① in 0.5 m steps	② projected windage area [m²]	③ max. weight	④ lateral windage area [m²]
			⑤ pole included	

\* single version with aluminium pole LPH = 6 m and telescopic element with anchor cage  
\*\* single version with aluminium pole LPH = 8 m and telescopic element with anchor cage

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700*	225
LED power max. [W]	160	71

\* FA1070 max. 550 mA

Driver

	A-Series	T-Series
Control options	<div>ON OFF DALI 1-10V X Z L/S</div>	<div>T8 DALI</div>
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLighTile: low glare  
light-guiding panels

AH02\*  
Symmetric Wide Flood

AP07\*  
Asymmetric Extra Forward

AS06\*  
Asymmetric Extra Side Throw

TS11  
Asymmetric Side and Forward Throw

AS07\*  
Asymmetric Side Throw

AS08\*  
Asymmetric Side and Forward Throw

AS09\*  
Asymmetric Extra Side Throw

TP08  
Asymmetric Extra Forward

AS10-L  
Asymmetric Forward - Left

AS10-R  
Asymmetric Forward - Right

Shape your own light by combining  
any light distribution

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

Tunable White  
CRI ≥ 80

RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)				≤ 5 SDCM					≤ 5 SDCM	

Model	FA770/-W	FA1070	FA770/-W	FA1070
Light units	1-5	5-6	2-4	5-6
Luminous flux [lm]	1,000-18,800	4,700-19,100	4,100	5,500

Available designs (also available as pendant)

Single

Double T

Wall-mounted

Double (staggered)

Product variations

Wall-mounted

COR-TEN steel

Combination with EL




BOLLARDS

FA170

Pedestrian path

Accent lighting






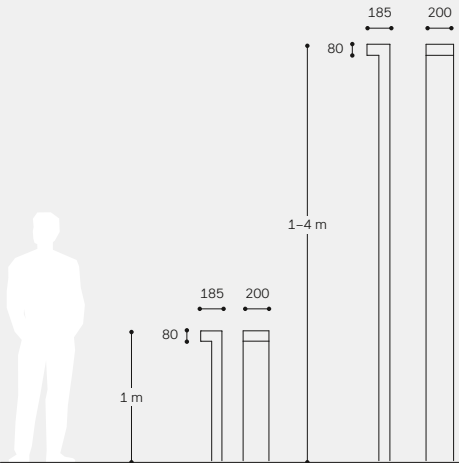
A-Series  
FA170  
8 LEDs



A-Series  
FA170  
16 LEDs



T-Series  
FA170  
32 LEDs



Configurator

IP66 RoHS IK09\*  
\*(IK10 on request, COR-TEN IK08)

Housing	
Housing material	Aluminum die-cast* (A-Series: optional COR-TEN)
Housing finish	Polyester powder coating (ewoECP upon request***)
Finish standard colour	Silver grey (RAL 9007 / DB 702)**
Glass	Safety glass (ESG)
Mounting options	Pole
Installation	Gelbox for throughwiring upon request
* pole made of extruded aluminium profile	
** other color on request	
*** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	

Electrical	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	26	12


Driver	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements				
Model	LPH [m] ①	↓ ②	→ ③	Weight [kg] ⑤
FA170	1	0.04	0.20	18.5*
FA170	1–4	0.04	0.80	46.5**
① in 0.5 m steps		② projected windage area [m²]		⑤ max. weight
		③ lateral windage area [m²]		②③⑤ pole included


\* single version with aluminium pole LPH = 1 m and buried base

\*\* single version with aluminium pole LPH = 4 m and buried base


Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options



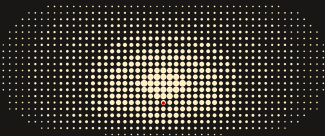
Precision lens optics  
\* also available in satiné version



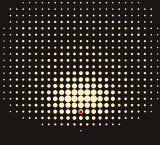
ewoLighTile: low glare  
light-guiding panels



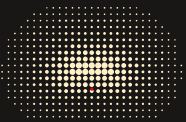
AH02\*  
Symmetric Wide Flood



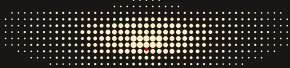
AP06\*  
Asymmetric Forward Extra Side Throw



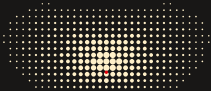
AP07\*  
Asymmetric Extra Forward




TS11  
Asymmetric Side and Forward Throw



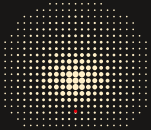
AS06\*  
Asymmetric Extra Side Throw




AS08\*  
Asymmetric Side and Forward Throw



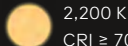
AS09\*  
Asymmetric Extra Side Throw



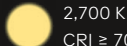
TP08  
Asymmetric Extra Forward



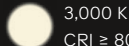
Shape your own light by combining  
any light distribution



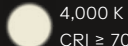
2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70




3,000 K  
CRI ≥ 80




4,000 K  
CRI ≥ 70

CRI ≥ 80  
on request



Tunable White  
CRI ≥ 80



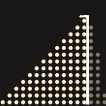
RGBW

Optics	AH02	AP07	AS06	AS07	AS08	AS09	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM			≤ 5 SDCM


Model	FA170	FA170
Light units	1	1
Luminous flux [lm]	340–2,590	1,000

Accessories


ewoLightLayers (optical accessoires)



Backlight shield




Anti-Glare Grid




60° / 70 °

Available designs




Single




Double

Surface



Pole luminaire / bollard:  
polyester powder coated



Pole luminaire / bollard:  
COR-TEN steel

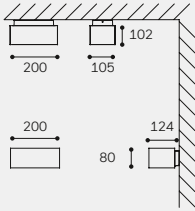
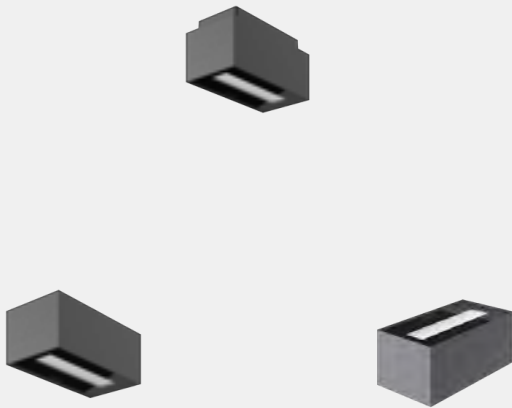
120

[ewo.com](#)

1<sup>st</sup> edition, October 2023; Copyright: © ewo srl/GmbH

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WALL / CEILING  
FA100-C  
FA100-WD  
FA100-WU



Configurator

CE   
IP66 RoHS IK09\*  
\*(IK10 on request)

A-Series  
FA100  
8 LEDs

A-Series  
FA100  
16 LEDs

T-Series  
FA100  
32 LEDs

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Silver grey (RAL 9007 / DB 702)*
Glass	Safety glass (ESG)
Mounting options	Wall, ceiling
Installation	Gelbox for throughwiring upon request
	* other color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	↓ ②	↘ ③	Weight [kg] ⑤
FA100-WD	/	0.02	0.02	2.5
FA100-WU	/	0.02	0.02	2.5
FA100-C	/	/	0.02	2.5
		② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight

Electrical

	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	26	12

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver

	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels

AH02\*  
Symmetric Wide Flood

AP06\*  
Asymmetric Forward Extra Side Throw

AP07\*  
Asymmetric Extra Forward

TS11  
Asymmetric Side and Forward Throw

AS06\*  
Asymmetric Extra Side Throw

AS08\*  
Asymmetric Side and Forward Throw

AS09\*  
Asymmetric Extra Side Throw

TP08  
Asymmetric Extra Forward

APC07\*  
Symmetric Extra Forward and Backward

Shape your own light by combining  
any light distribution

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

CRI ≥ 80  
on request

Tunable White  
CRI ≥ 80

RGBW

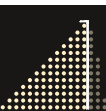
Performance

Optics	AH02	AP07	APC07	AS06	AS07	AS08	AS09	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM				≤ 5 SDCM

Model	FA100-WD	FA100-WU	FA100-C	FA100-WD	FA100-WU	FA100-C
Light units	1	1	1	1	1	1
Luminous flux [lm]	315-3,250	315-3,250	420-3,300	1,000	1,000	1,000

Accessories

ewoLightLayers (optical accessoires)



Backlight shield



Anti-Glare Grid 60° / 70 °

Available designs



WD (Wall Downlight)



WU (Wall Uplight)



C (Ceiling)





PUBLIC SPACE  
ROADS AND TRAFFIC

## GO

Designed by Zurich based product designer Joerg Boner, the GO family of compact luminaires includes pole mounted and wall mounted systems featuring its signature curved luminaire body. To complement this curve, the GO luminaires are available with a curved safety glass, mirroring the shape of the body, and catching the light as it exits the luminaire, creating a visible sparkle. The safety glass can also be configured to be mounted flush to the luminaire, for enhanced light control and visual comfort. Available with A-Series high precision lens optics and controllable with DALI or 1-10 V, this luminaire is ideal for urban applications.



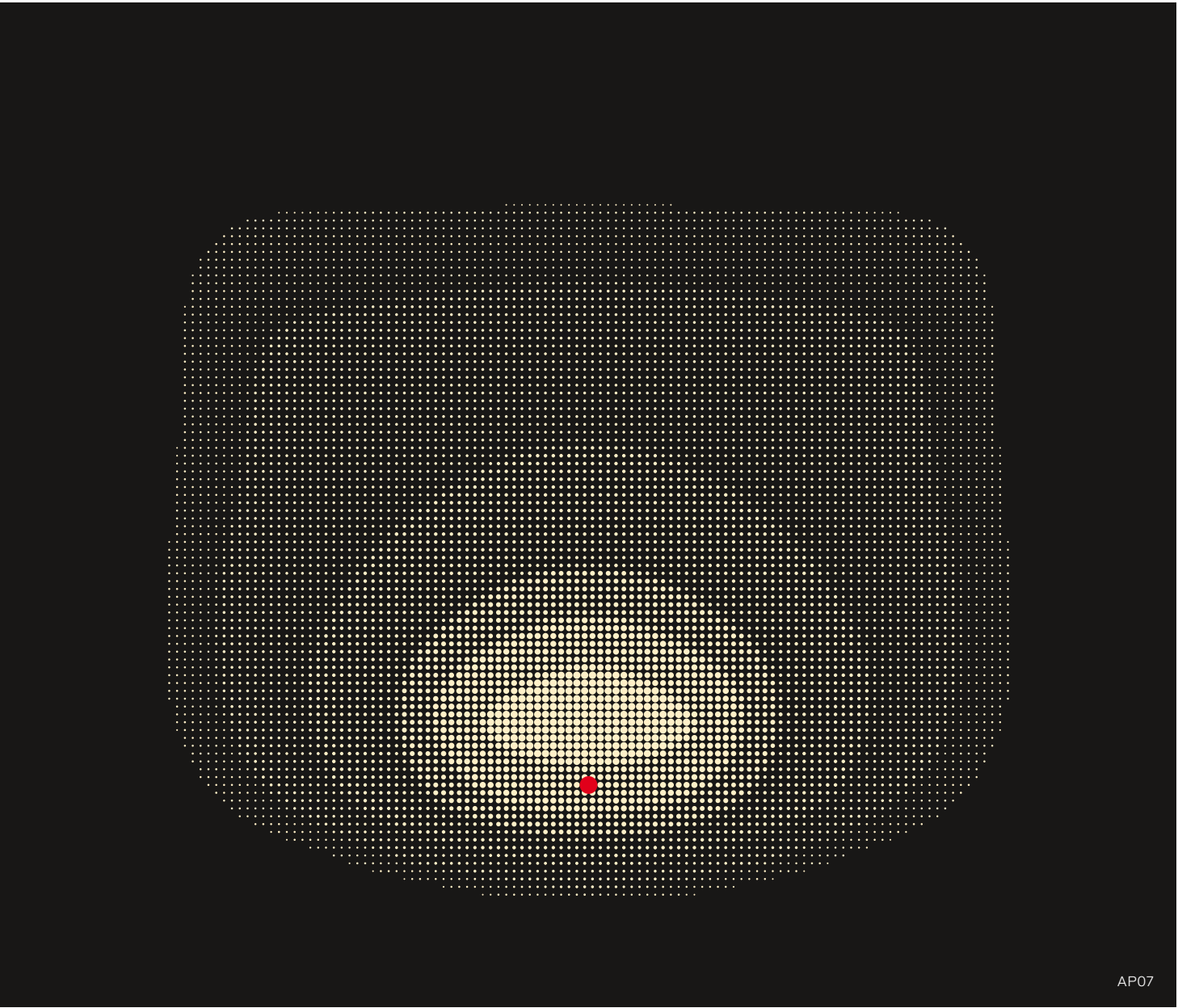


Jörg Boner working on the GO





High quality optics  
The GO family is compatible with A-Series precision lens optics and is the ideal choice for street and pavement lighting.



AP07



BODY OF LIGHT



POLE



GO  
1 lighting unit

WALL



Curved cover



Single-pane safety  
glass



GO  
1 lighting unit

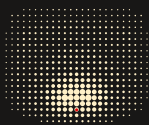
SHAPE OF LIGHT



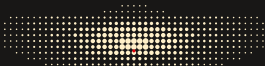
INTELLIGENCE OF LIGHT



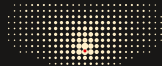
Precision lens optics  
\* also available in satiné version



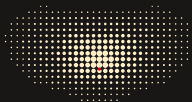
AP07\*  
Asymmetric Extra Forward



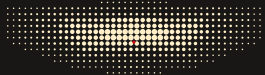
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70



5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	

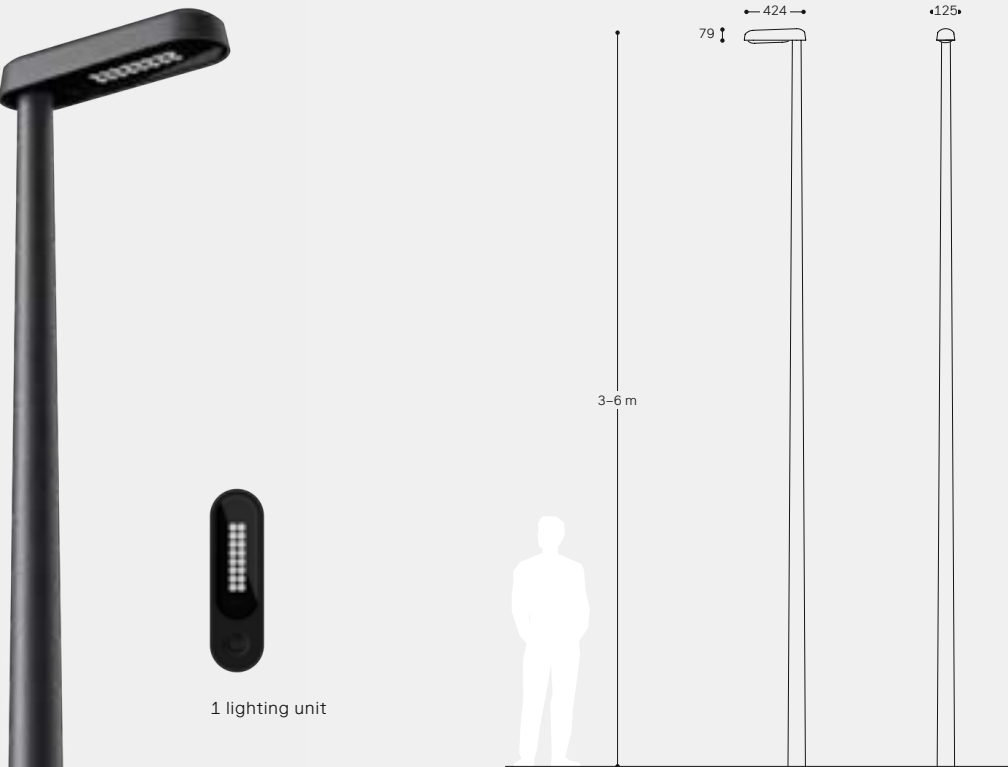
POLE

Area, street and walkway lighting



DB 703  
Anthracite

ewo  
color




Configurator

CE RoHS IK08

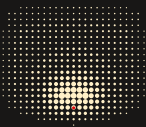
Housing		Measurements			
Housing material	Aluminum die-cast	Model	LPH [m] ①	↓ ②	→ ③
Housing finish	Polyester powder coating or vibratory-finished aluminum	GO	3–6	0.05	0.03
Finish standard colour	Anthracite (DB 703)*	GO–W	/	0.05	0.03
Glass cover	Safety glass (ESG) or curved cover		① in 0.5 m steps	② projected windage area [m²]	
Mounting options	Pole			③ lateral windage area [m²]	
Pole adapter	ø 60mm, optional adapter for ø 76mm				
	* other color on request				

Electrical		A-Series
Protection class	I/II	
Voltage [V], [Hz]	220–240, 50/60	
Current feed max. [mA]	650	
LED power max. [W]	34	

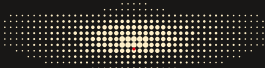
Driver		A-Series
Control options		   
Programming [optional]		Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone
Control accessories		Further accessories on request
Software		connexx light management software for remote management of intelligent luminaire clusters



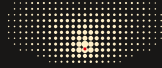
Precision lens optics  
\* also available in satiné version



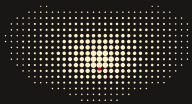
AP07\*  
Asymmetric Extra Forward



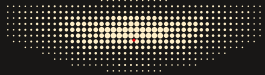
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



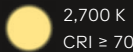
AS09\*  
Asymmetric Extra Side Throw



Shape your own light by combining  
any light distribution



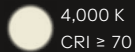
2,200 K  
CRI ≥ 70



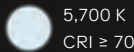
2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70



5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

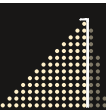
Performance

Optics	AP07	AS06	AS07	AS08	AS09
MacAdam ellipses (SDCM)			≤ 5 SDCM		

Model	GO
Light units	1
Luminous flux [lm]	900–3,500

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid 60° / 70 °

Surface



Polyester powder-coated housing  
and pole, anthracite (DB 703)



Vibratory-finished aluminium housing,  
pole made from hot-dip galvanised steel

Cover design



Curved cover



Single-pane safety  
glass



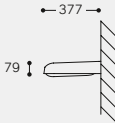
WALL  
GO-W

Area, street and  
walkway lighting



DB 703  
Anthracite

ewo  
color



[Configurator](#)

CE RoHS IP66 IK08



GO  
1 lighting unit

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating or vibratory-finished aluminum
Finish standard colour	Anthracite (DB 703)*
Glass cover	Safety glass (ESG) or curved cover
Mounting options	Wall
Pole adapter	ø 60mm, optional adapter for ø 76mm * other color on request

Measurements

Model	LPH [m]	①	②	Weight [kg]
GO-W	/	0.05	0.03	6.5

① projected windage area [m²]  
② lateral windage area [m²]

Electrical

	A-Series
Protection class	I / II
Voltage [V], [Hz]	220–240, 50/60
Current feed max. [mA]	650
LED power max. [W]	34

Operating conditions

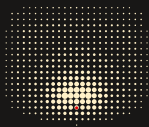
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Driver

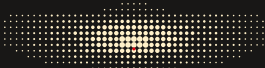
	A-Series
Control options	   
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone
Control accessories	Further accessories on request
Software	connexx light management software for remote management of intelligent luminaire clusters



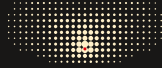
Precision lens optics  
\* also available in satiné version



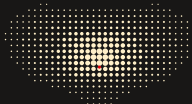
AP07\*  
Asymmetric Extra Forward



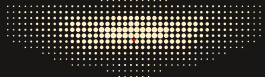
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



Shape your own light by combining  
any light distribution

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

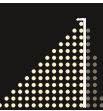
Performance

Optics	AP07	AS06	AS07	AS08	AS09
MacAdam ellipses (SDCM)			≤ 5 SDCM		

Model	GO-W
Light units	1
Luminous flux [lm]	900–3,500

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid 60° / 70 °

Surface



Polyester powder-coated housing  
and pole, anthracite (DB 703)



Vibratory-finished aluminium housing,  
pole made from hot-dip galvanised steel

Cover design



Curved cover



Safety glass (ESG)



WAYS  
ACCENTS  
BUILDINGS

## CN

This circular pole top luminaire is ideal for urban lighting applications including area, street, walkway lighting and lighting of pedestrian crossings. Either two or four lighting units are symmetrically arranged in the luminaire head with the pole position at the centre. Optically, the CN can be configured with either A-Series high precision lens optics or T-Series low glare ewoLigthTile for tunable white applications bringing humancentric lighting to urban spaces.



PARCO PIAZZALE DEGLI ALPINI  
Bergamo, Italy, 2019  
&GO Lighting Solutions  
CN



GEMEINDEKULTURZENTRUM ST. NIKOLAUS  
Ischgl, Austria, 2015  
CN







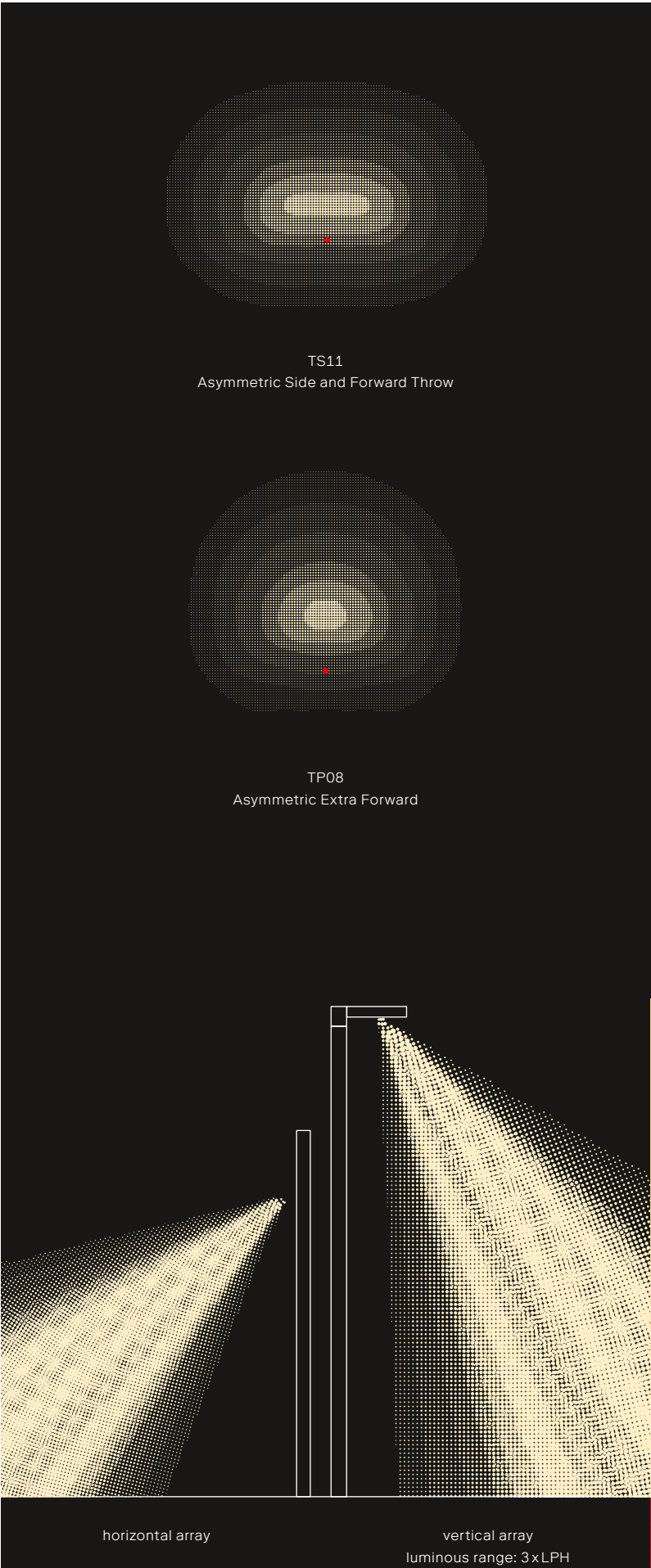
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

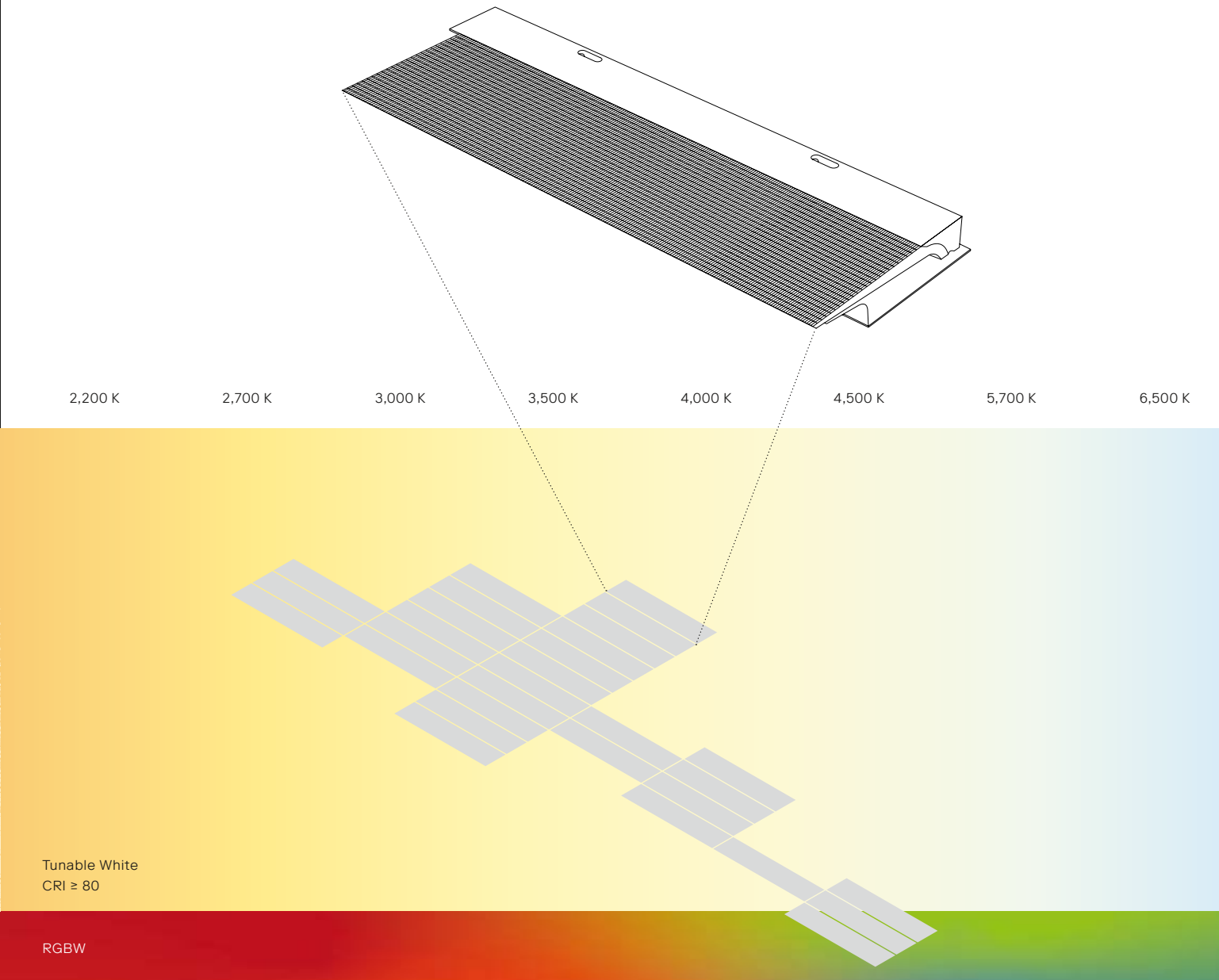


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

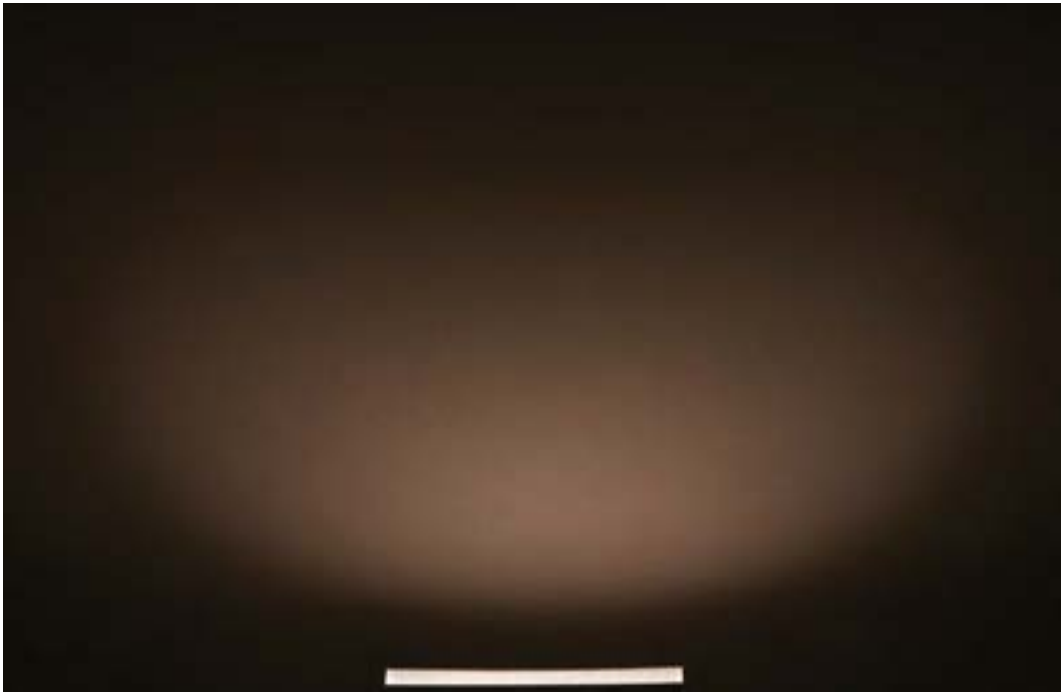
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



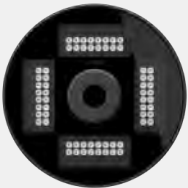
ewoLightTile



BODY OF LIGHT



CN500



A-Series  
1-4 lighting units

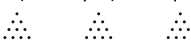


T-Series  
1-4 lighting units

SHAPE OF LIGHT



INTELLIGENCE OF LIGHT



CN600



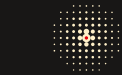
A-Series  
1-8 lighting units



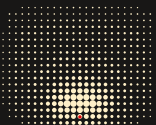
T-Series  
1-8 lighting units



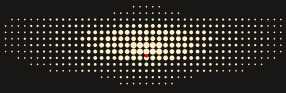
Precision lens optics  
\* also available in satiné version



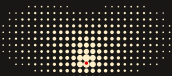
AH02\*  
Symmetric Wide Flood



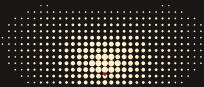
AP07\*  
Asymmetric Extra Forward



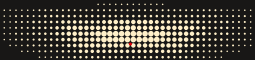
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



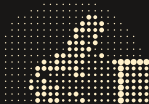
AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward - Left



AS10-R  
Asymmetric Forward - Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

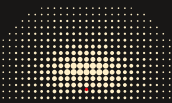


5,700 K  
CRI ≥ 70

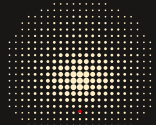
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1-10 V	1-10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
-----------	------------

Programming options

Night dimming
---------------

CN 500

Public space  
Roads and traffic

DB 703  
Anthracite

ewo  
color

A-Series  
1-4 lighting units

T-Series  
1-4 lighting units

3-6 m

500

116

Configurator

CE

IP66

RoHS

IK10

A

SERIES

Precision lens optics  
\* also available in satiné version

T

SERIES

ewoLightTile: low glare  
light-guiding panels

AH02\*

Symmetric Wide Flood

AP07\*

Asymmetric Extra Forward

AS06\*

Asymmetric Extra Side Throw

TS11

Asymmetric Side and Forward Throw

AS07\*

Asymmetric Side Throw

AS08\*

Asymmetric Side and Forward Throw

AS09\*

Asymmetric Extra Side Throw

TP08

Asymmetric Extra Forward

AS10-L

Asymmetric Forward - Left

AS10-R

Asymmetric Forward - Right

Shape your own light by combining  
any light distribution

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

Tunable White  
CRI ≥ 80

RGBW

Housing	
Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole <div>* other color on request</div> <div>** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance</div>

Measurements				
Model	LPH [m] ①	① ②	① ③	Weight [kg] ⑤
CN500	3-6	0.20	0.06	15.0
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				②③⑤ excluding pole

Performance											
Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08	
MacAdam ellipses (SDCM)				≤ 5 SDCM					≤ 5 SDCM		

Model	CN500	CN500
Light units	1-4	1-4
Luminous flux [lm]	1,000-11,200	3,600

Electrical		A-Series	T-Series
Protection class	I/II	I/II	I/II
Voltage [V], [Hz]		220-240, 50/60	220-240, 50/60
Current feed max. [mA]		500	225
LED power max. [W]		95	48

Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver		A-Series	T-Series
Control options		<div><div>ON</div><div>OFF</div><div>DALI</div><div>1-10V</div><div>XX</div><div>Z</div><div>L/S</div></div>	<div><div>T8</div><div>DALI</div></div>
Programming [optional]		Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories		Further accessories on request	
Software		connexx light management software for remote management of intelligent luminaire clusters	

Available designs (also available as pendant)

Pole luminaire

Accessories

ewoLightLayers (optical accessories)

Backlight shield

60° / 70 °



CN 600

Public space  
Roads and traffic

DB 703  
Anthracite

ewo  
color

A-Series  
CN600  
1-8 lighting units

T-Series  
CN600  
1-8 lighting units

600

116

6-8 m

Configurator

CE

IP66   RoHS   IK10

A  
SERIES

Precision lens optics  
\* also available in satiné version

T  
SERIES

ewoLightTile: low glare  
light-guiding panels

AH02\*  
Symmetric Wide Flood

AP07\*  
Asymmetric Extra Forward

AS06\*  
Asymmetric Extra Side Throw

TS11  
Asymmetric Side and Forward Throw

AS07\*  
Asymmetric Side Throw

AS08\*  
Asymmetric Side and Forward Throw

AS09\*  
Asymmetric Extra Side Throw

TP08  
Asymmetric Extra Forward

AS10-L  
Asymmetric Forward - Left

AS10-R  
Asymmetric Forward - Right

Shape your own light

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

Tunable White  
CRI ≥ 80

RGBW

Housing	
Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole <div>* other color on request</div> <div>** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance</div>

Measurements				
Model	LPH [m] ①	②	③	Weight [kg] ⑤
CN600	6-8	0.28	0.07	20.0
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				②③⑤ excluding pole

Performance											
Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08	
MacAdam ellipses (SDCM)				≤ 5 SDCM					≤ 5 SDCM		

Model	CN500		CN500
Light units	1-8		1-8
Luminous flux [lm]	1,000-19,700		7,300

Electrical		
	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	170	95

Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver		
	A-Series	T-Series
Control options	<div><div>ON</div><div>OFF</div><div>DALI</div><div>1-10V</div><div>LS</div></div>	<div><div>T8</div><div>DALI</div></div>
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Available designs (also available as pendant)



Pole luminaire

Accessories ewoLightLayers (optical accessories)



Backlight shield      Anti-Glare Grid      60° / 70 °



WAYS  
ACCENTS  
BUILDINGS

## IR

### Intelligence ready

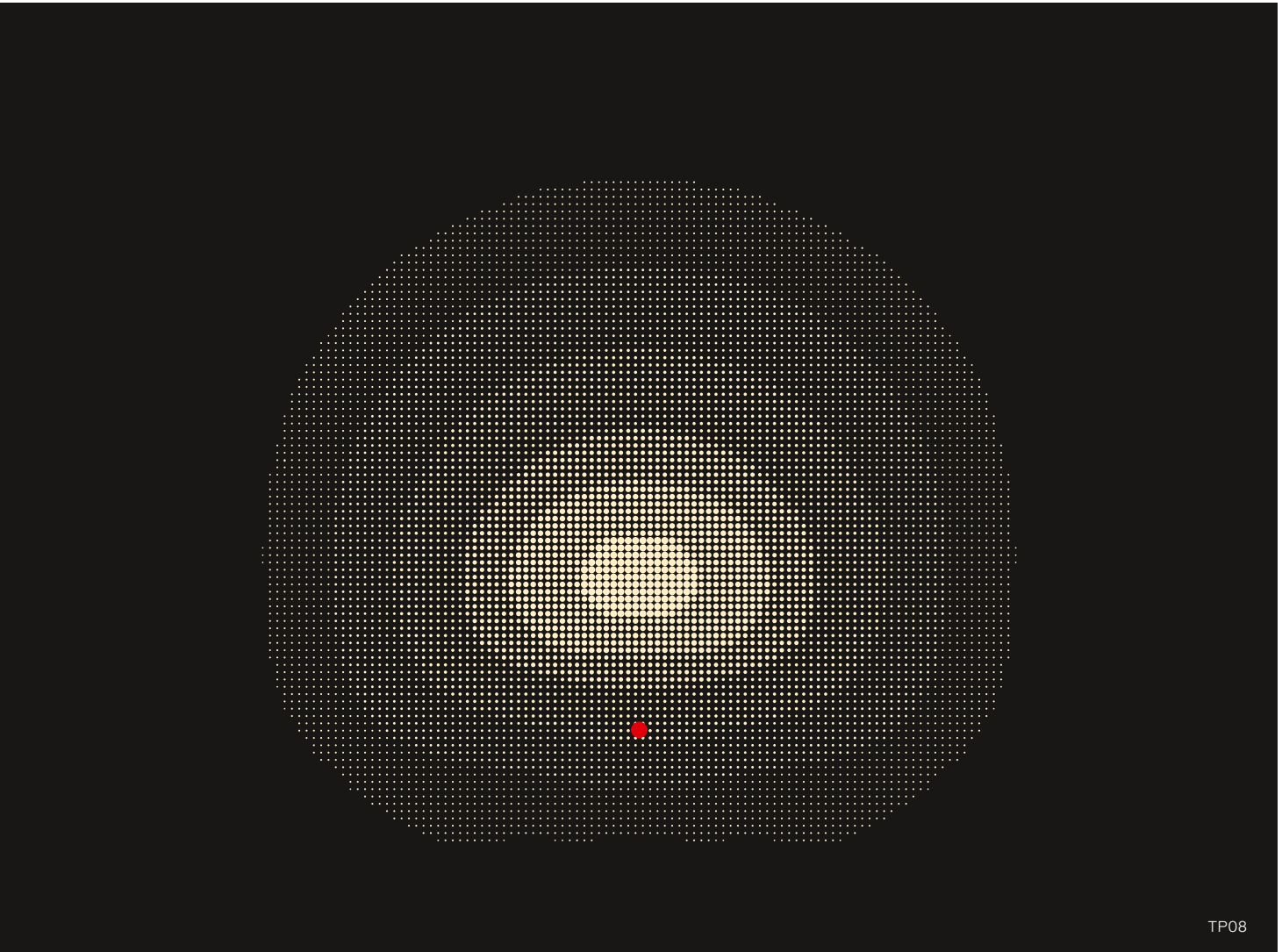
The IR mast luminaires by Jörg Boner can be equipped with high-precision lens optics from the A series for static white colour temperatures as well as with ew-oLightTiles for tunable white configurations. Its housing allows for the integration of nodes and sensors, making the IR intelligence ready and allowing it to integrate seamlessly into smart city systems whilst offering a high degree of control flexibility for its individual lighting units.



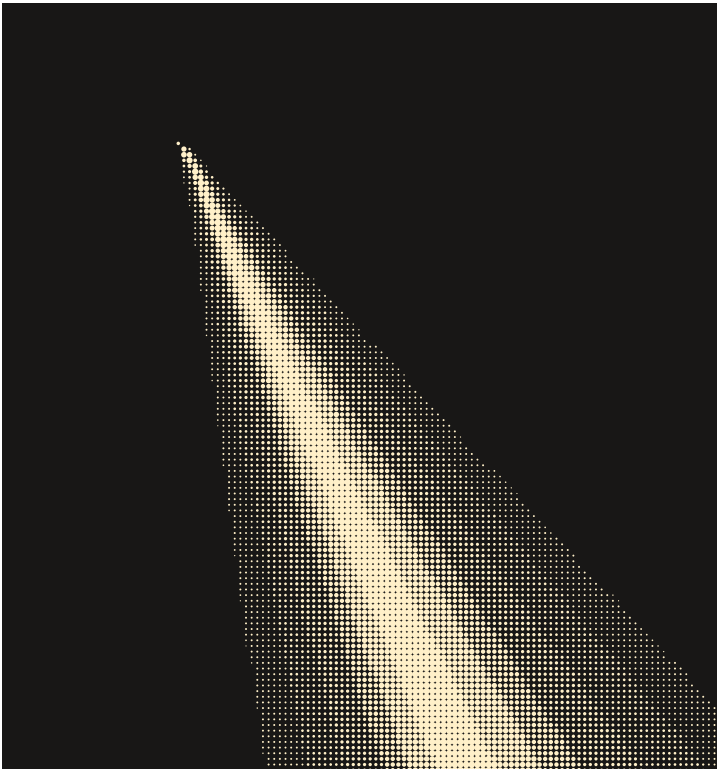
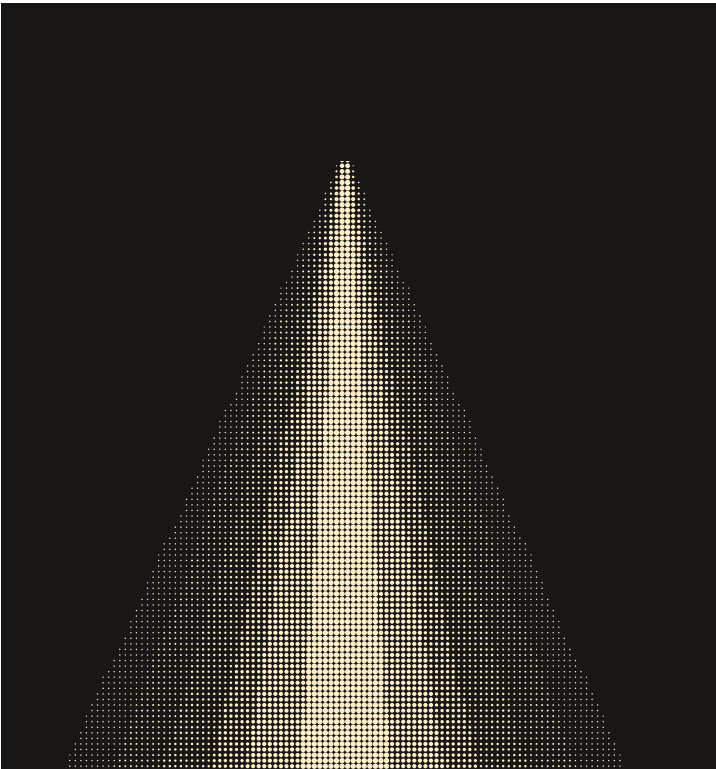
Shape of Light



T  
SERIES



TP08







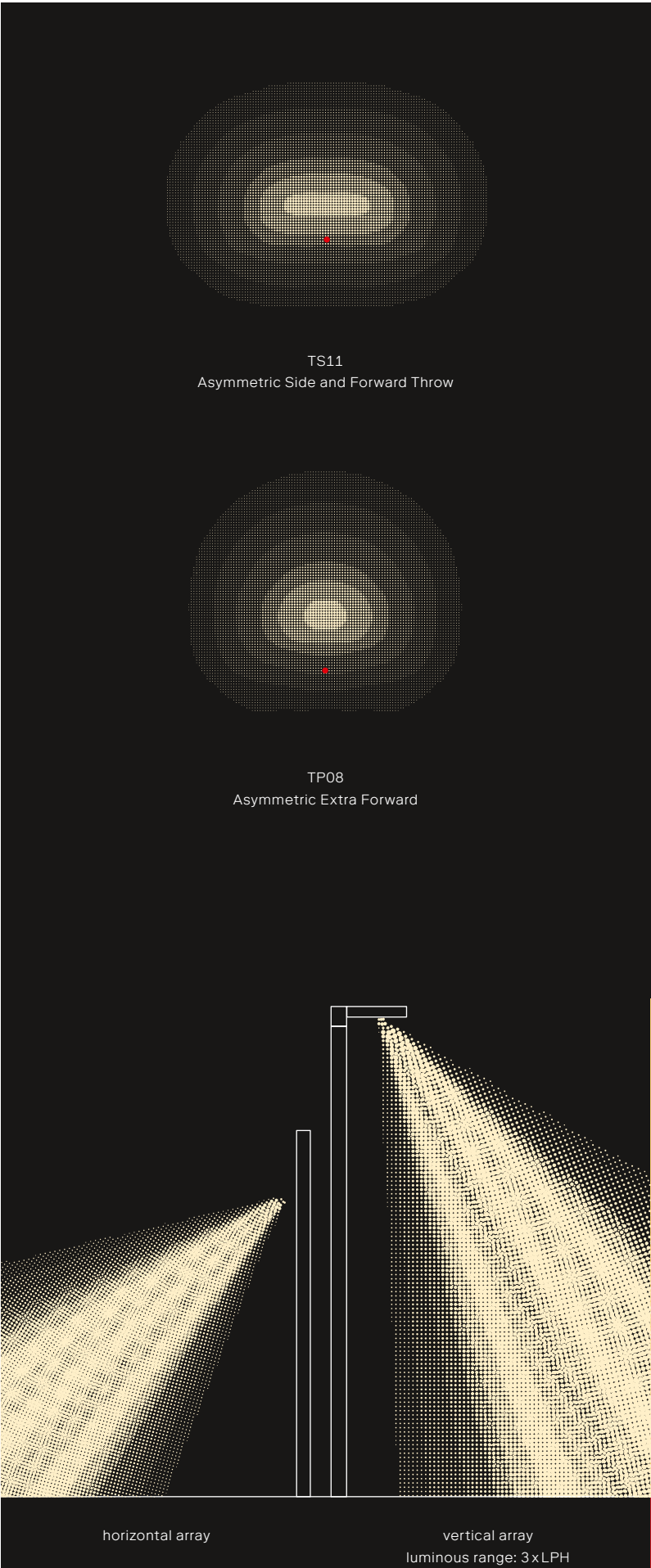
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual  
comfort, patented technology

ewoLightTile provides a precise and ho-  
mogeneous light distribution as well as  
minimised glare and backlighting. The  
individual LED units and the gaps be-  
tween the ewoLightTiles remain invis-  
ble.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

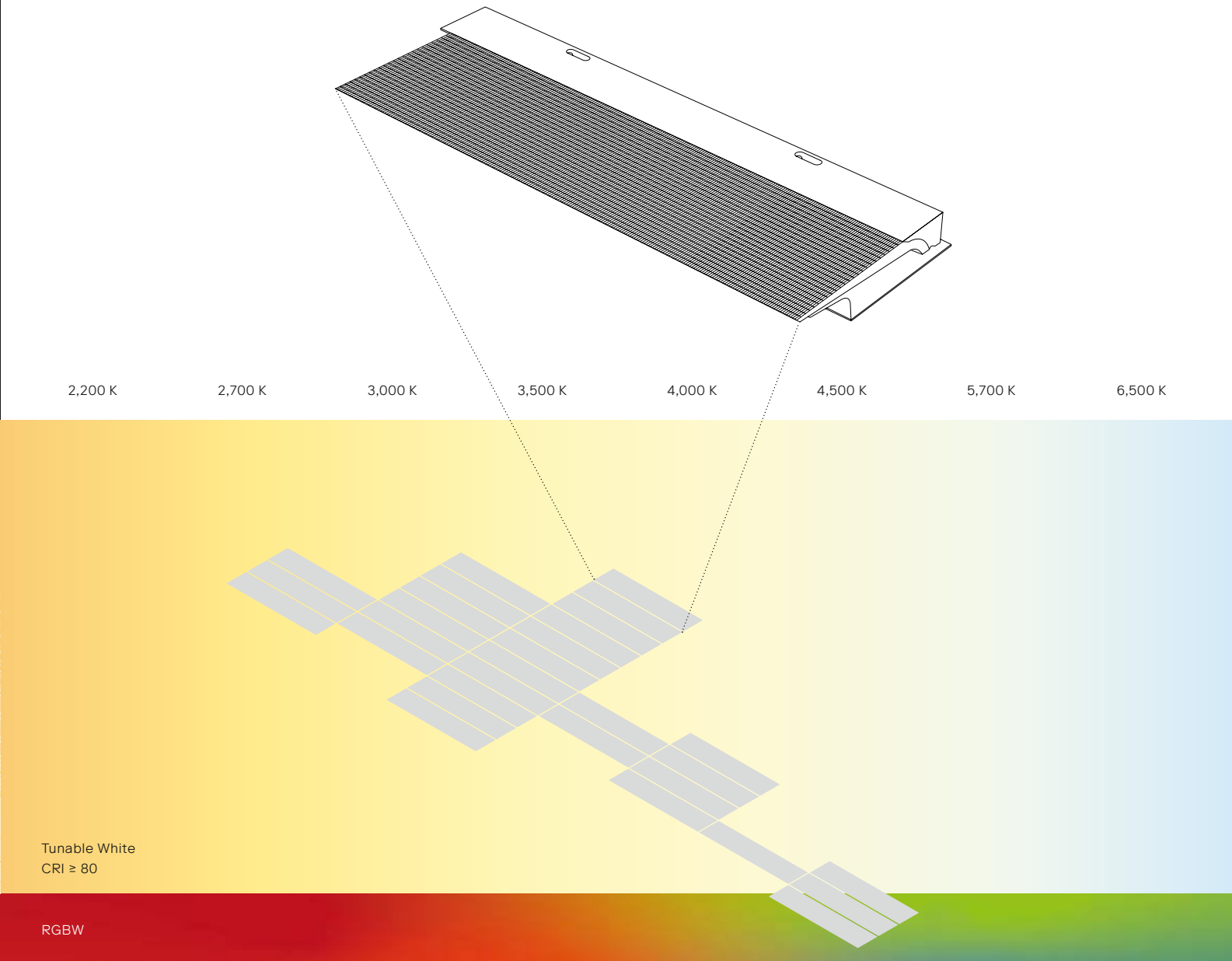


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and com-  
fortable in a number of settings from pathways to residential areas and urban  
spaces. Combined both horizontally and vertically, ewoLightTile offers asymmet-  
ric light distribution and avoids unwanted light dispersion.

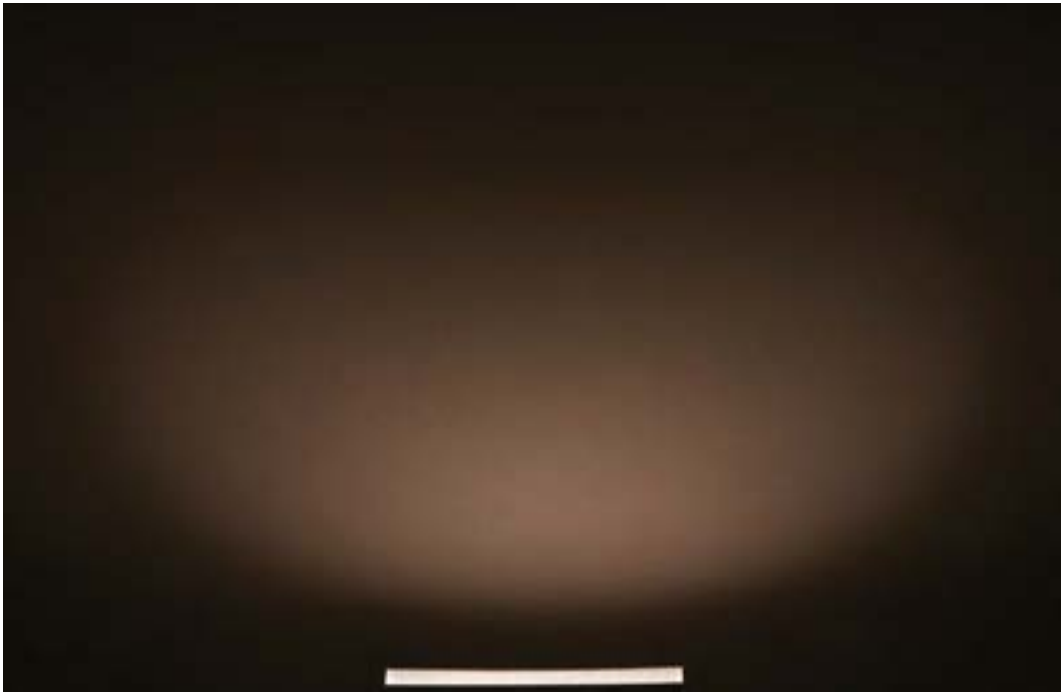
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and  
horizontally. This results in an unlimited number of arrangements along the longitu-  
dinal axis or width.





TP08



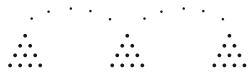
TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.

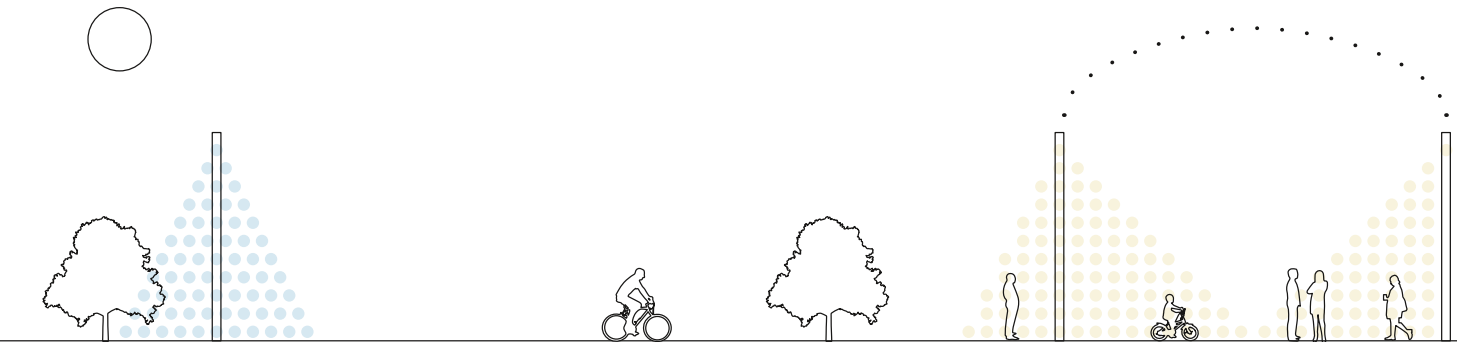




Designed by Zurich based product designer Joerg Boner, the IR is a family of pole mounted luminaires with either a single or a twin head. The luminaire itself makes for an elegant appearance with its integrated luminaire and pole connection.



Play with colour  
Cityscapes are being transformed every day in the pursuit to creating dramatic spaces and enticing city centres. Controlling dynamic lighting solutions with DALI T8 will enable scene setting, automated lighting adjustment and an introduction to circadian lighting during the hours of darkness.



With DALI, 1–10 V and stand alone line switch control, IR can easily be controlled to maximise both safety and energy saving.





Four steps to optimise corrosion protection:

1) Corrosion resistant alloy  
ewo luminaires are produced with a high-quality, low copper-aluminium alloy to guarantee high-end mechanical and anti-corrosion properties.

2) ewoECP pre-treatment  
After a detailed cleaning process, a Cr6-free film is applied to ensure complete adhesion of the following layer.

3) ewoProtectiveLayerECP  
A proprietary coating prevents delamination, blistering and cracking of the protective layer, even after accidental damage. This way, extreme corrosion resistance can be achieved.

4) High-quality powder coating  
A high-quality coating performed in-house with thermosetting powders delivers customer desired colours with the serenity of a superior performance against corrosion.



## ewoECP areas of application

Outdoor: coastal and offshore areas with high salinity

Indoor: buildings or areas with almost permanent condensation with high pollution



## ewoECP performance

- No blistering around scribe >1000 h\*  
(AUS & NZ common requirement)
- No other corrosion defects such as blistering and adhesion >2500 h\*
- Comparable to the IM3 corrosivity category (suitable for buried tanks)
- SASO compliance

\* testing process: ISO9227 salt spray test

POLE  
IR1, IR2, IR3



A-Series  
IR1, IR2, IR3  
1-3 lighting units



T-Series  
IR2, IR3  
2-3 lighting units

BODY OF LIGHT



WALL  
IR1-W, IR2-W, IR3-W



A-Series  
IR1, IR2, IR3  
1-3 lighting units

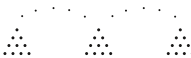


T-Series  
IR2, IR3  
2-3 lighting units

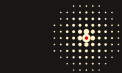
SHAPE OF LIGHT



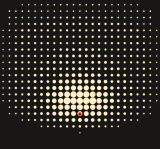
INTELLIGENCE OF LIGHT



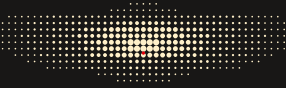
Precision lens optics  
\* also available in satiné version



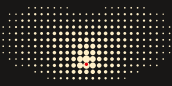
AH02\*  
Symmetric Wide Flood



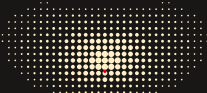
AP07\*  
Asymmetric Extra Forward



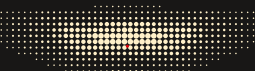
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward – Left



AS10-R  
Asymmetric Forward – Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

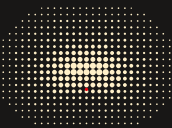


5,700 K  
CRI ≥ 70

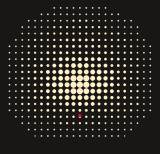
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency Power Supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
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Programming options

Night dimming
---------------



POLE  
IR1, IR2, IR3

Area, street and  
walkway lighting



DB 703  
Anthracite

ewo  
color



Configurator

CE RoHS IP66 IK08

A-Series  
IR1, IR2, IR3  
1-3 lighting units

T-Series  
IR2, IR3  
2-3 lighting units

Housing









Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole
Pole adapter	Integral pole adapter, for pole-top $\varnothing$ 60 mm and $\varnothing$ 76 mm
	* other color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. mA	700*	225
LED power max. [W]	95	36

\* IR3 max. 650 mA

Driver

	A-Series	T-Series
Control options	     	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements

Model	LPH [m] ①	②	③	Weight [kg] ⑤
IR1	3-6	0.12	0.03	6.5
IR2	3-6	0.12	0.03	6.5
IR3	3-6	0.12	0.03	6.5

① in 0.5 m steps

② projected windage area [m²]

③ lateral windage area [m²]

⑤ max. weight

②③⑤ excluding pole

Operating conditions

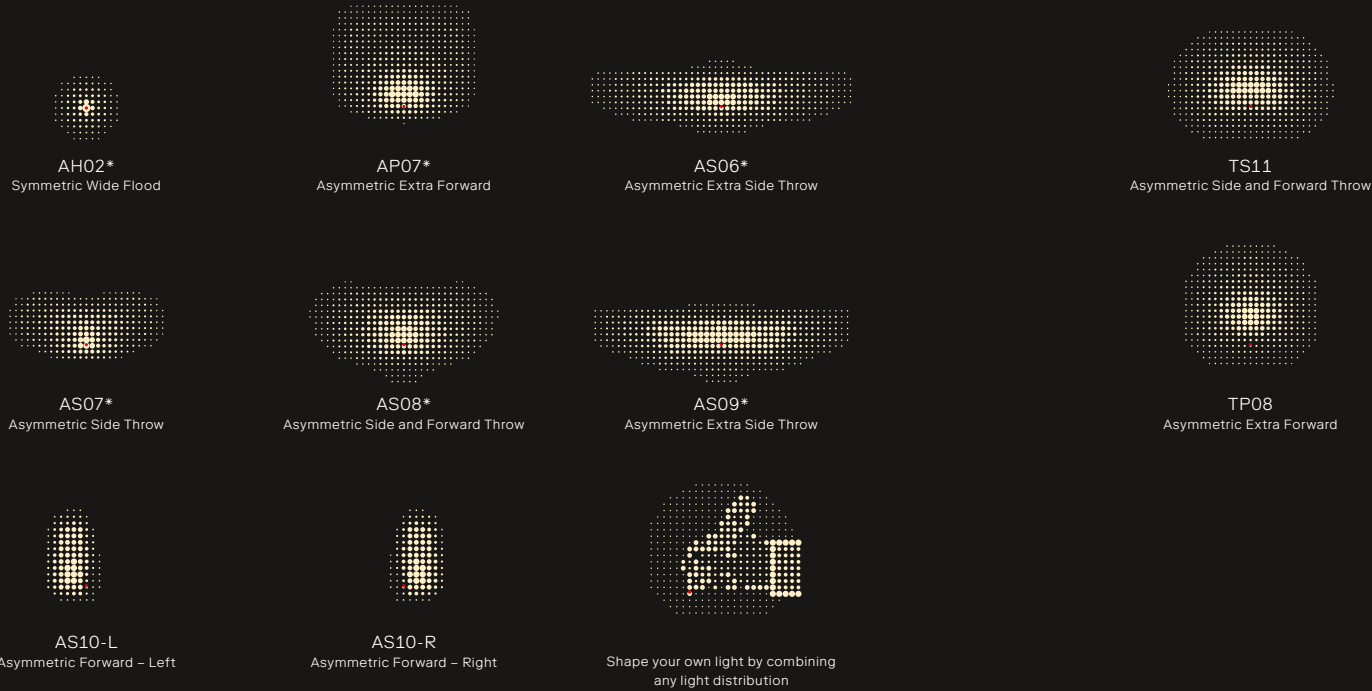
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Precision lens optics  
\* also available in satiné version



ewoLighTile: low glare  
light-guiding panels



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGBW

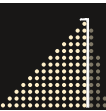
Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

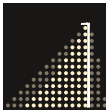
Model	IR1	IR2	IR3	IR2	IR3
Light units	1	2	3	2	3
Luminous flux [lm]	1,000-3,800	1,900-7,700	2,900-10,900	1,800	2,700

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid 60° / 70 °

Available designs



Single



Double

Glass cover



Glass cover can be  
opened without tools



Bolted glass cover

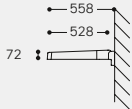
WALL  
IR1-W, IR2-W, IR3-W

Area, street and  
walkway lighting






DB 703  
Anthracite

ewo  
color



Configurator

CE     
IP66 RoHS IK08

A-Series  
IR1, IR2, IR3  
1-3 lighting units

T-Series  
IR2, IR3  
2-3 lighting units

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Wall
	* other color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m]	⊥ <sup>②</sup>	→ <sup>③</sup>	Weight [kg] ⑤
IR1-W	/	0.12	0.04	10.0
IR2-W	/	0.12	0.04	10.0
IR3-W	/	0.12	0.04	10.0
		② projected windage area [m²]		⑤ max. weight
		③ lateral windage area [m²]		

Electrical








	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700*	225
LED power max. [W]	95	36

\* IR3 max. 650 mA

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Driver

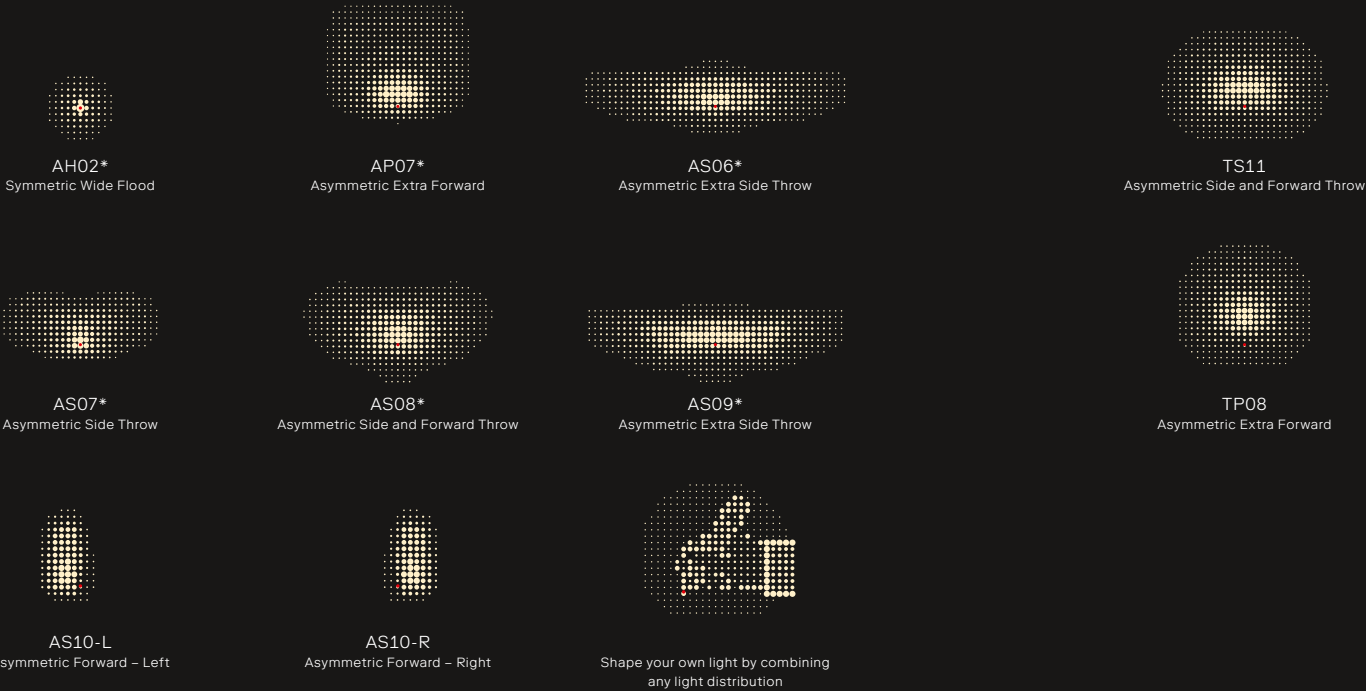
	A-Series	T-Series
Control options	     	
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLighTile: low glare  
light-guiding panels



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGB

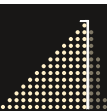
Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM				≤ 5 SDCM	

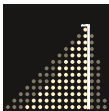
Model	IR1-W	IR2-W	IR3-W	IR2-W	IR3-W
Light units	1	2	3	2	3
Luminous flux [lm]	1,000-3,800	1,900-7,700	2,900-10,900	1,800	2,700

Accessories

ewoLightLayers (optical accessories)



Backlight shield



Anti-Glare Grid 60° / 70 °

Glass cover



Glass cover can be  
opened without tools



Bolted glass cover



PUBLIC SPACE  
ROADS AND TRAFFIC

## CO

The CO family of luminaires shares design features with the CN family, where square lighting units are placed within a circular luminaire head. This family is ideal for urban lighting applications including area, street, walkway lighting and lighting of pedestrian crossings. Optically, the CO can be configured with either A-Series high precision lens optics or T-Series low glare ewoLightTile for tunable white applications bringing humancentric lighting to urban spaces.







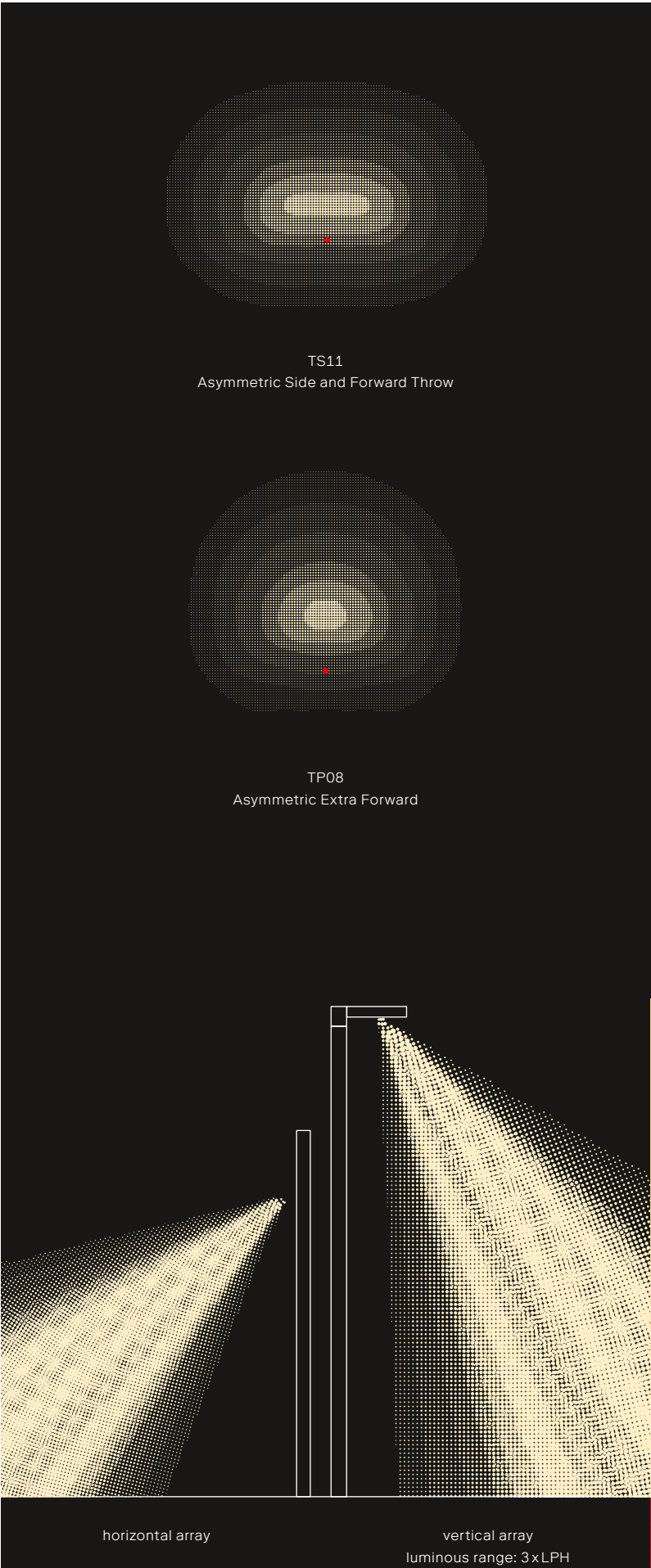
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

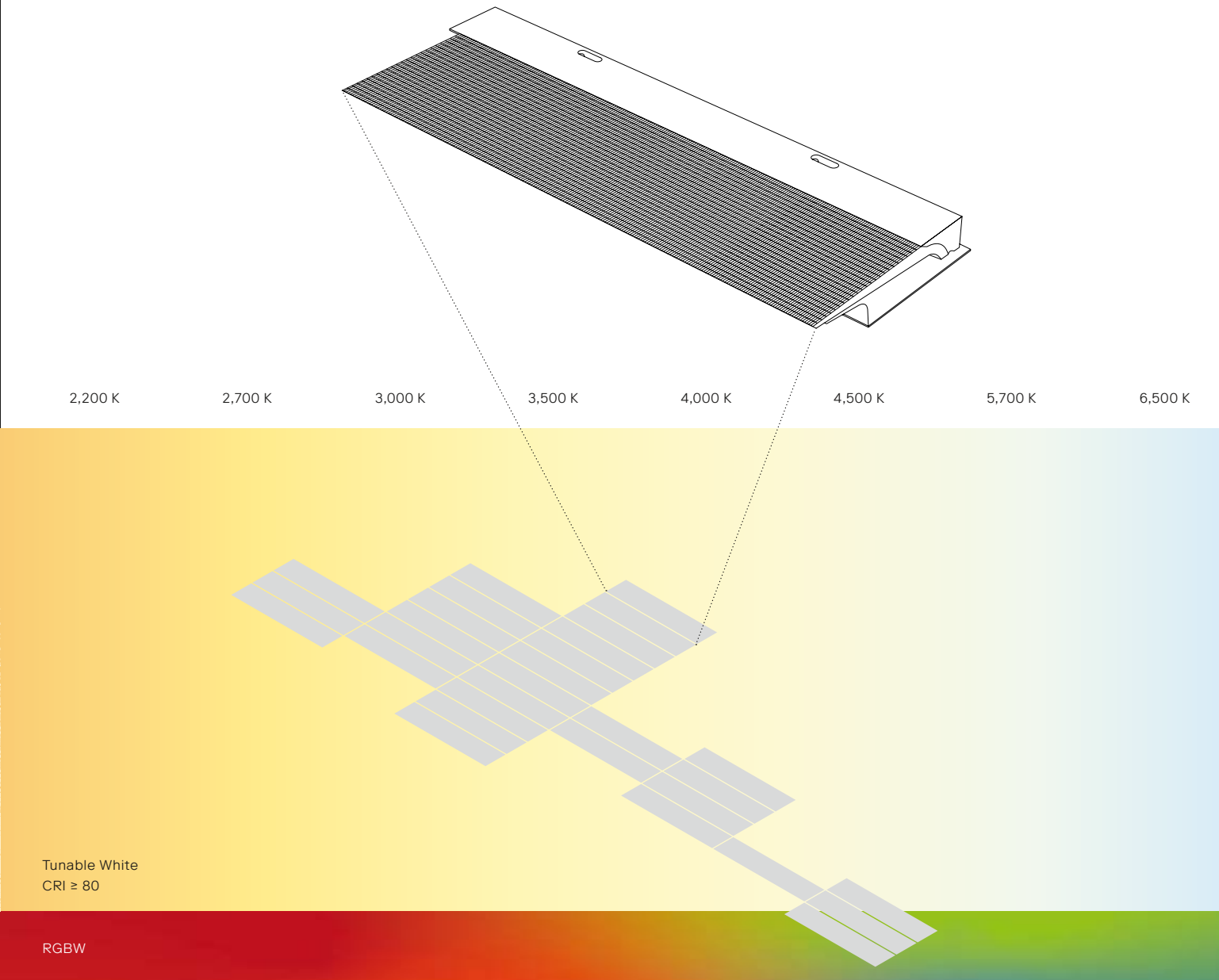


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

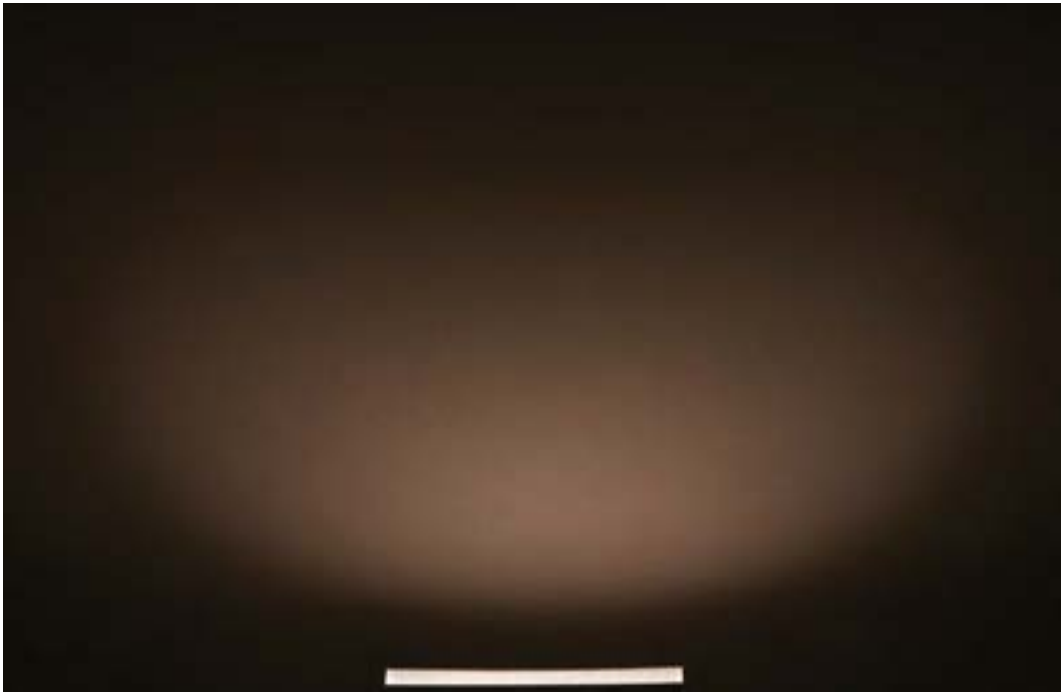
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



ewoLightTile

BODY OF LIGHT



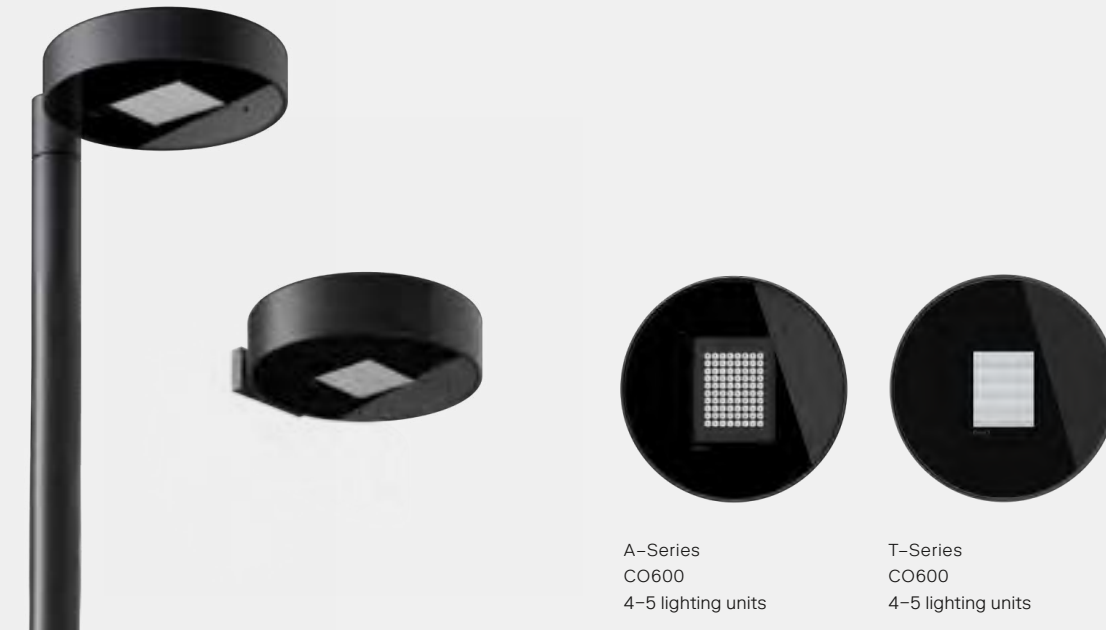
POLE / WALL  
CO500  
CO500-W



A-Series  
CO500  
1-4 lighting units

T-Series  
CO500  
2-4 lighting units

POLE / WALL  
CO600  
CO600-W



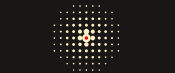
A-Series  
CO600  
4-5 lighting units

T-Series  
CO600  
4-5 lighting units

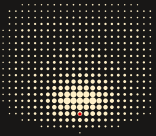
SHAPE OF LIGHT



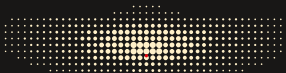
Precision lens optics  
\* also available in satiné version



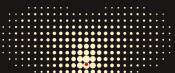
AH02\*  
Symmetric Wide Flood



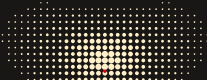
AP07\*  
Asymmetric Extra Forward



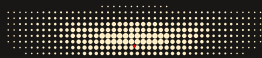
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward – Left



AS10-R  
Asymmetric Forward – Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

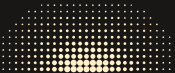


5,700 K  
CRI ≥ 70

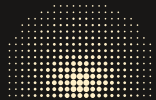
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW

INTELLIGENCE OF LIGHT



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
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Programming options

Night dimming
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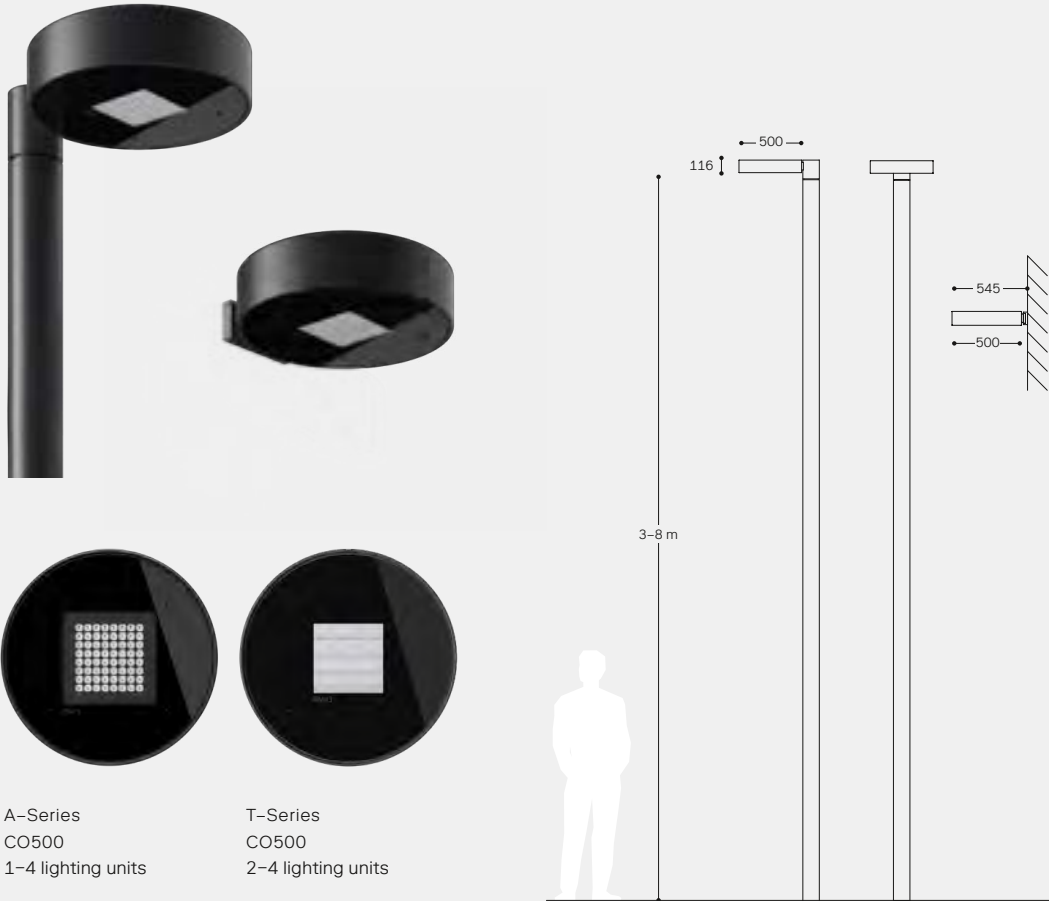
CO500  
CO500-W

Public space  
Roads and traffic



DB 703  
Anthracite

ewo  
color



Configurator

CE RoHS IK08

A-Series  
CO500  
1-4 lighting units

T-Series  
CO500  
2-4 lighting units

Housing

Housing material	Aluminum
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø60 mm, ø76 mm, ø114 mm or ø133 mm (single or double design)

\* other color on request

\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	②	③	Weight [kg] ⑤
CO500	3-8	0.21	0.08	14
CO500-W	/	0.20	0.06	15

① in 0.1 m steps    ② projected windage area [m²]    ③ lateral windage area [m²]    ⑤ max. weight    ②③⑤ excluding pole

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	95	48

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Driver

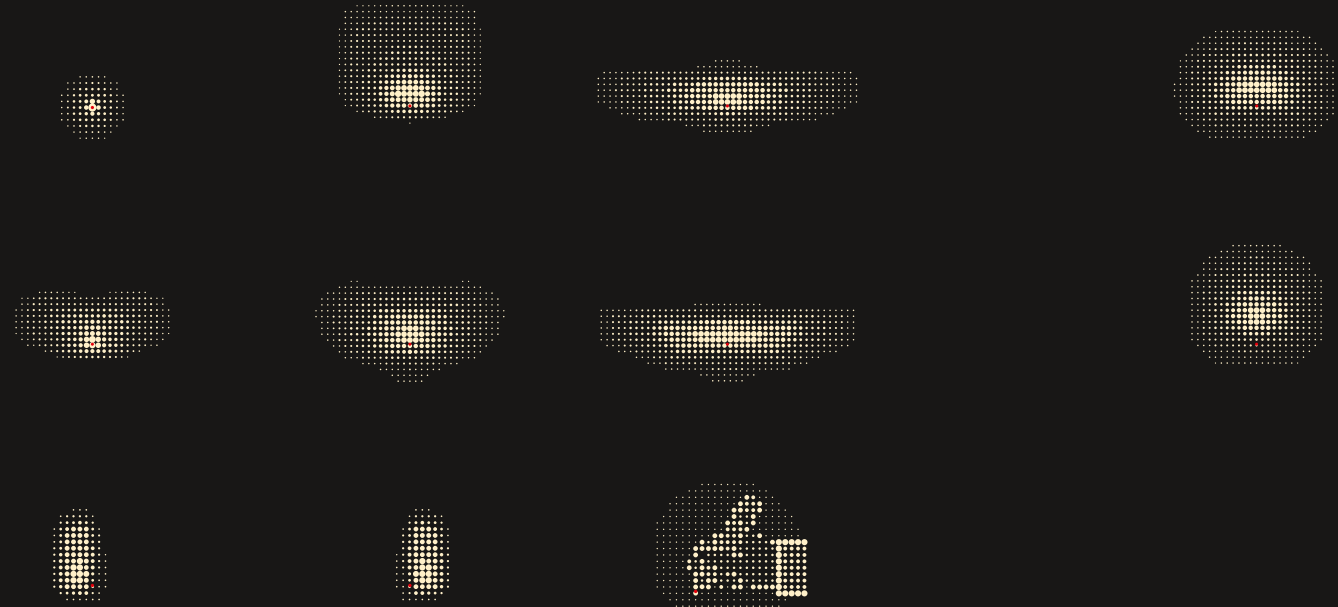
	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

A  
SERIES

Precision lens optics  
\* also available in satiné version

T  
SERIES

ewoLighTile: low glare  
light-guiding panels



2,200 K CRI ≥ 70    2,700 K CRI ≥ 70    3,000 K CRI ≥ 80    4,000 K CRI ≥ 70    5,700 K CRI ≥ 70    CRI ≥ 80 on request    Tunable White CRI ≥ 80    RGBW

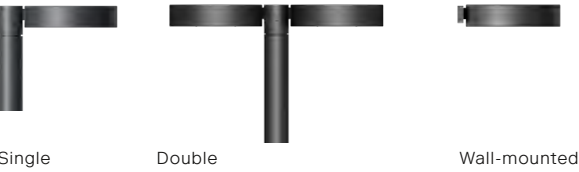
Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)										

≤ 5 SDCM

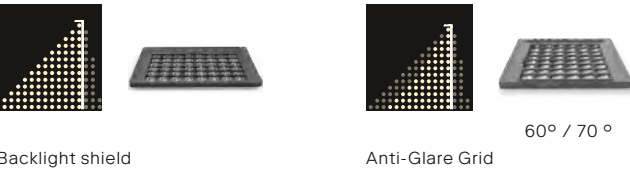
Model	CO500/-W	CO500/-W
Light units	1-4	2-4
Luminous flux [lm]	1,000-11,800	3,600

Available designs (also available as pendant)



Accessories

ewoLighLayers (optical accessories)



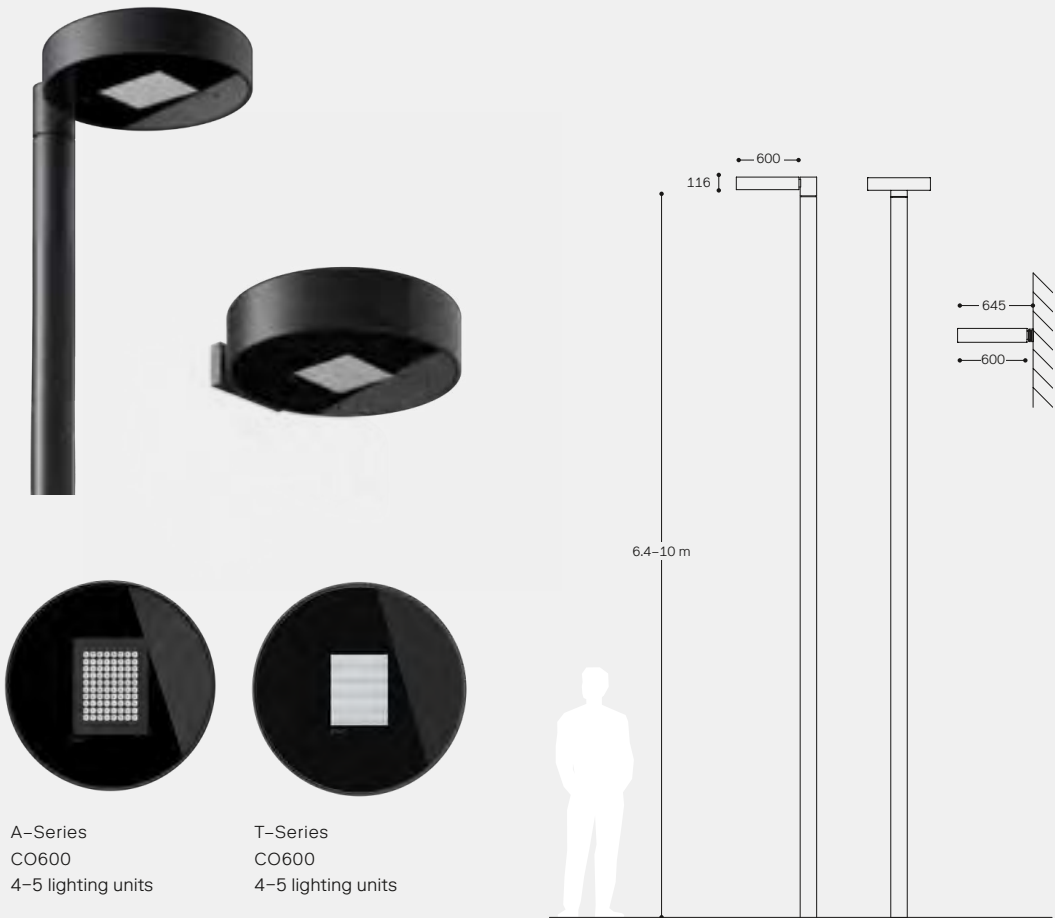
CO600  
CO600-W

Public space  
Roads and traffic



DB 703  
Anthracite

ewo  
color



Configurator

CE RoHS IK08

A-Series  
CO600  
4-5 lighting units

T-Series  
CO600  
4-5 lighting units

Housing

Housing material	Aluminum
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø60 mm, ø76 mm, ø114 mm or ø133 mm (single or double design)

\* other color on request  
\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	② ④	③ ⑤	Weight [kg] ⑥
CO600	6.4-10	0.30	0.09	18.0
CO600-W	/	0.29	0.07	19

① in 0.1 m steps    ② projected windage area [m²]    ③ max. weight  
④ lateral windage area [m²]    ⑤ ⑥ excluding pole

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	120	60

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver

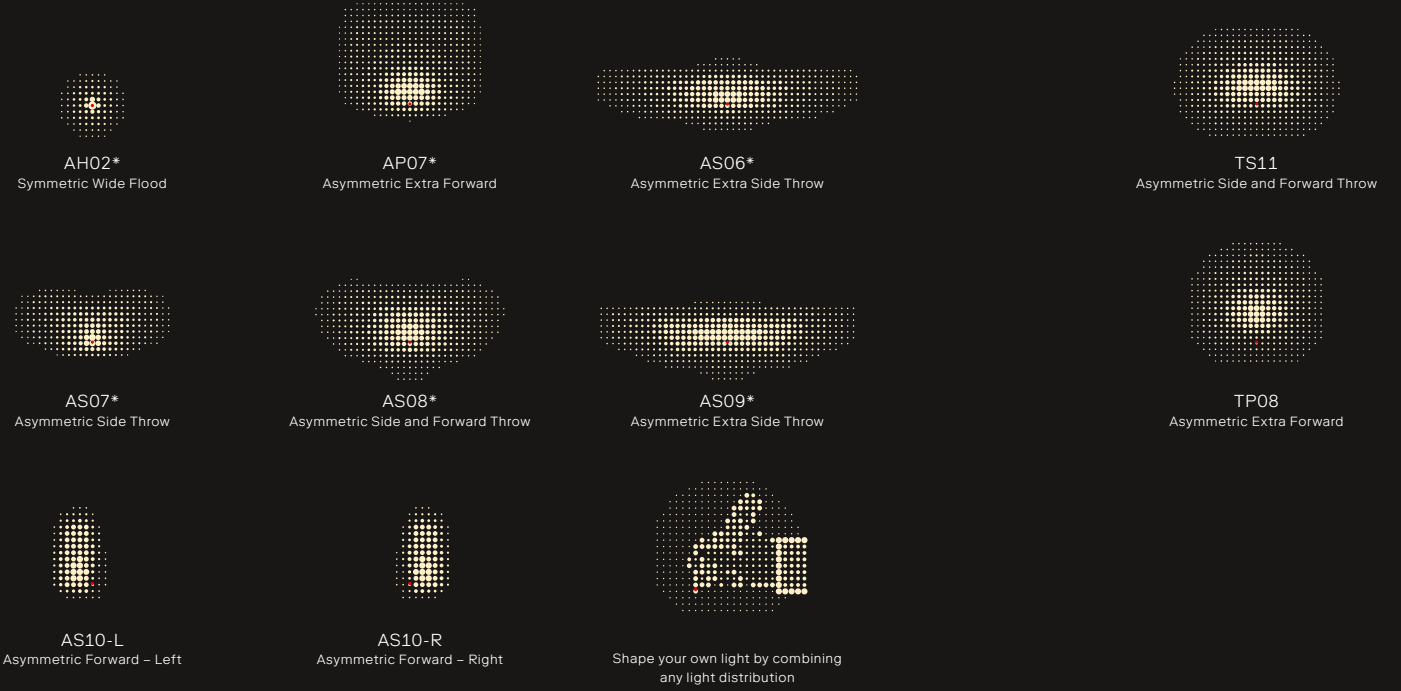
	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels



2,200 K CRI ≥ 70    2,700 K CRI ≥ 70    3,000 K CRI ≥ 80    4,000 K CRI ≥ 70    5,700K CRI ≥ 70    CRI ≥ 80 on request    Tunable White CRI ≥ 80    RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

Model	CO600/-W	CO600/-W
Light units	4-5	4-5
Luminous flux [lm]	3,800-14,700	4,600

Available designs (also available as pendant)



Accessories

ewoLightLayers (optical accessories)





PUBLIC SPACE  
ROADS AND TRAFFIC

## DA

The DA family of luminaires brings soft curves to urban environments with its spherical body shape. Available in single or double pole configuration as well as wall mounted, this versatile family of luminaires is available with either A-Series high precision lens optics or T-Series low glare ewoLightTile for tunable white applications bringing humancentric lighting to urban spaces. Smart lighting control modules can be fitted on request via an external Zhaga interface, allowing this luminaire to integrate into smart city systems.







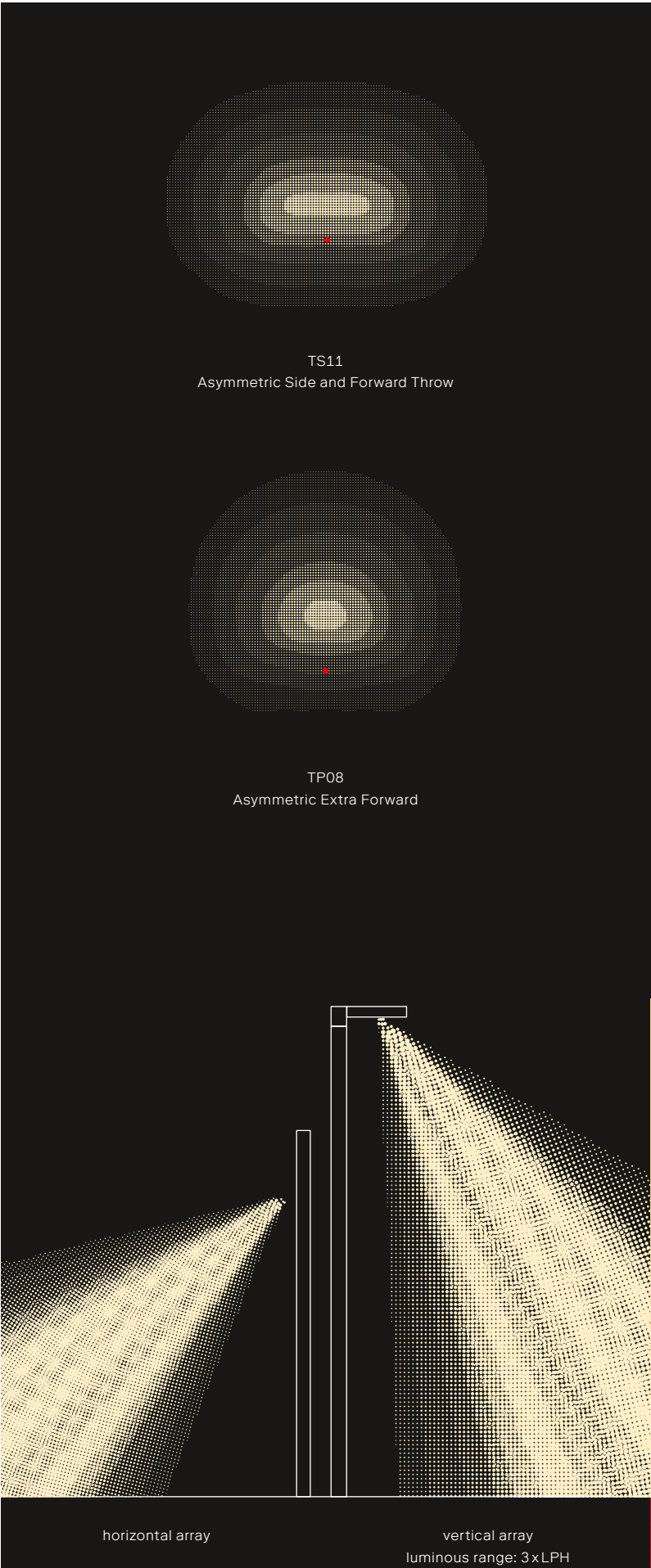
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

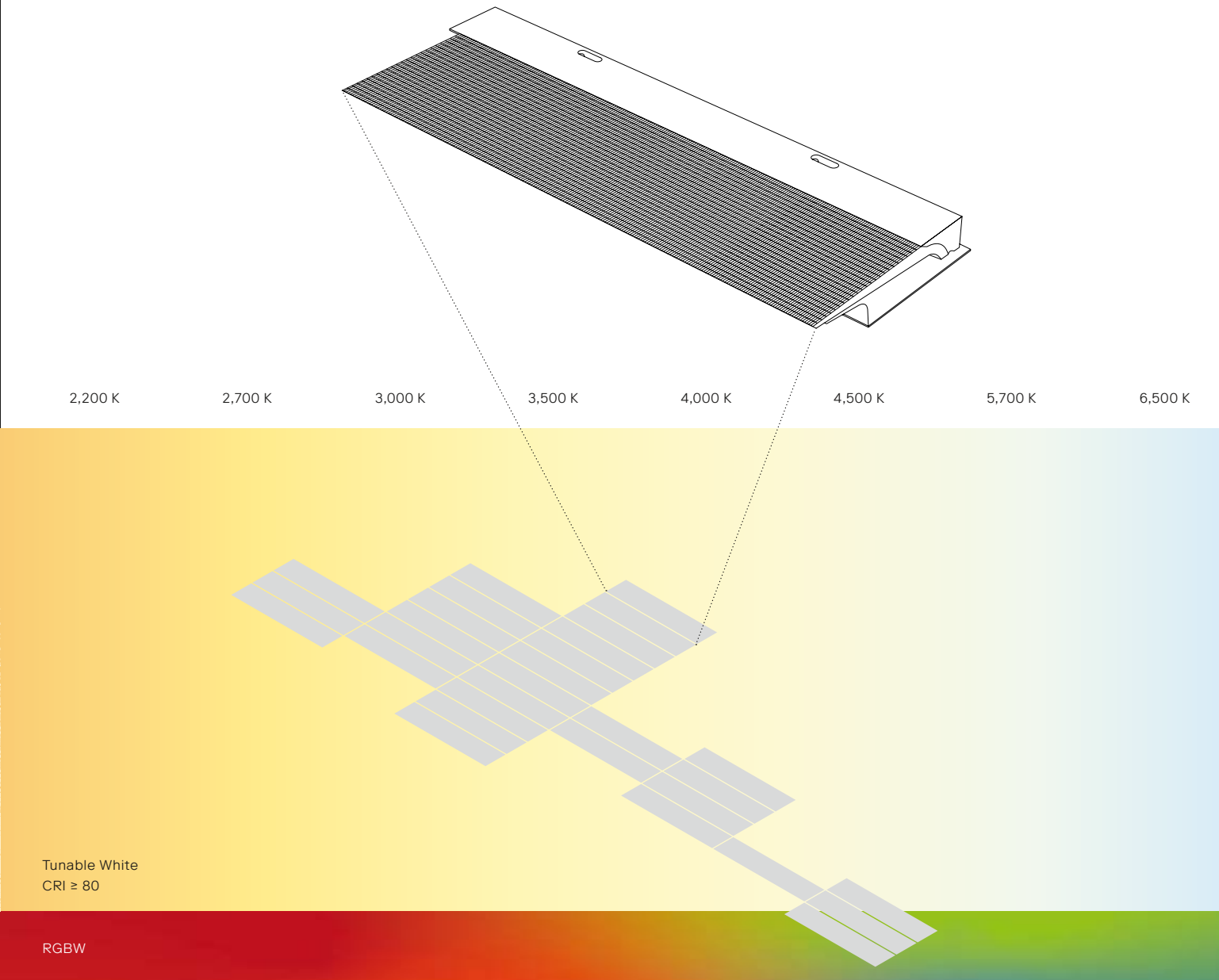


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

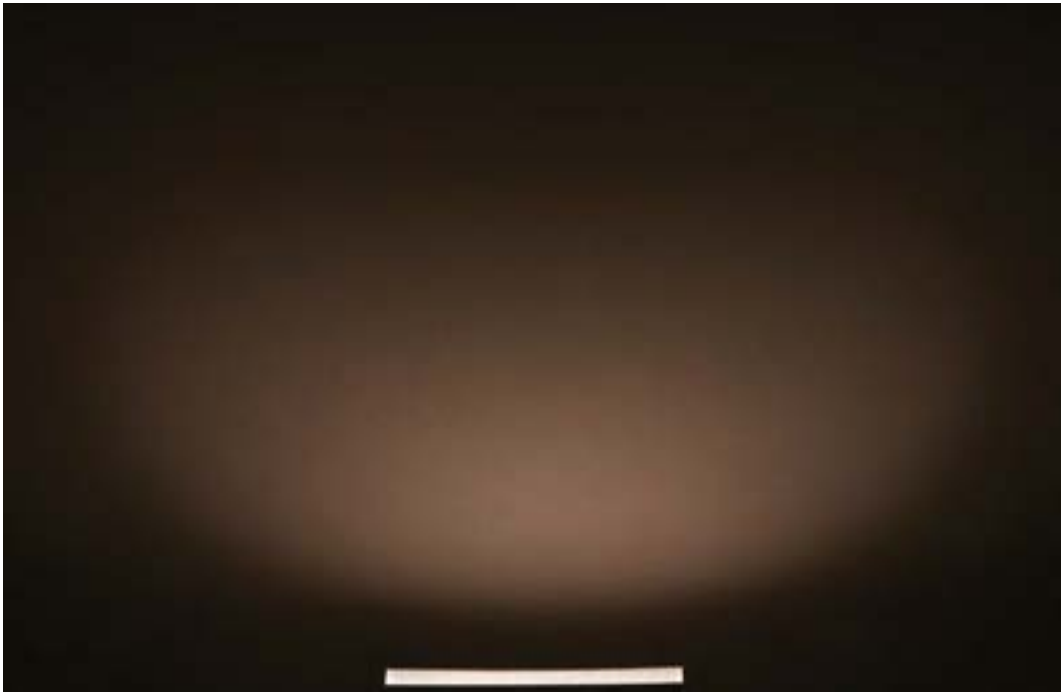
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



ewoLightTile

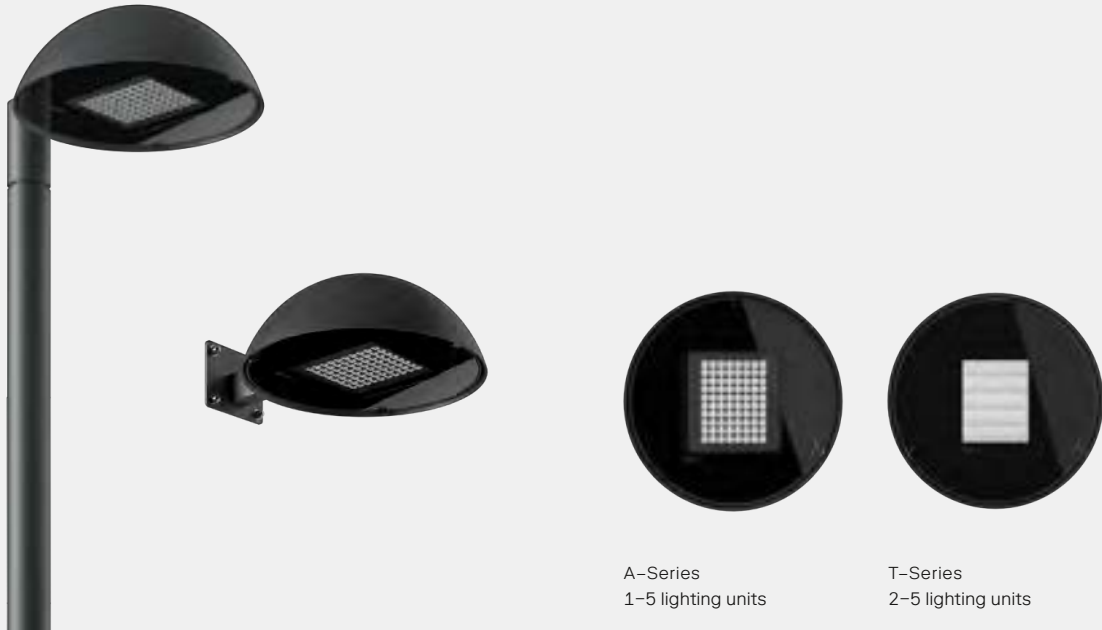
POLE / WALL  
DA400  
DA400-W



A-Series  
1-2 lighting units

T-Series  
2 lighting units

POLE / WALL  
DA520  
DA520-W



A-Series  
1-5 lighting units

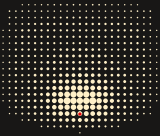
T-Series  
2-5 lighting units



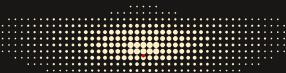
Precision lens optics  
\* also available in satiné version



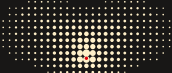
AH02\*  
Symmetric Wide Flood



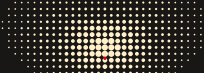
AP07\*  
Asymmetric Extra Forward



AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward – Left



AS10-R  
Asymmetric Forward – Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

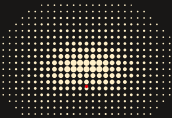


5,700 K  
CRI ≥ 70

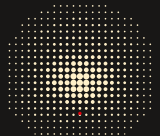
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW0



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
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Programming options

Night dimming
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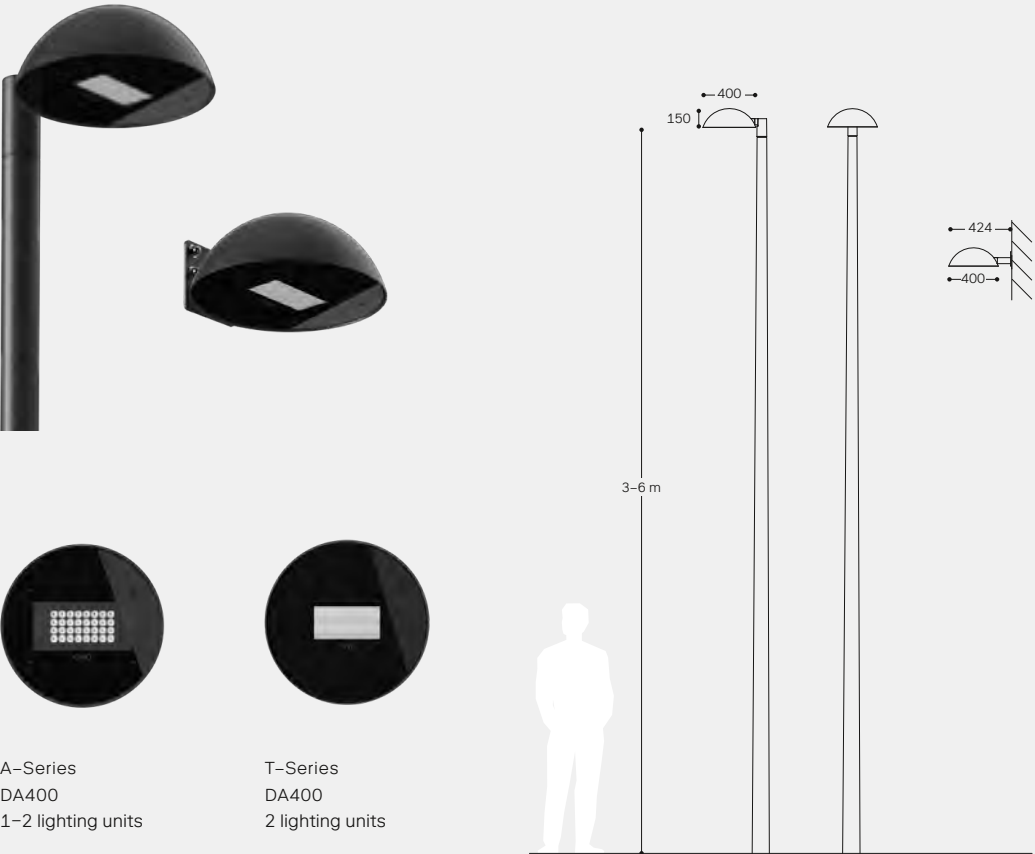
DA400  
DA400–W

Public space  
Roads and traffic



DB 703  
Anthracite

ewo  
color



Configurator

CE RoHS IK08

A-Series  
DA400  
1–2 lighting units

T-Series  
DA400  
2 lighting units

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø48 mm, ø60 mm, ø89 mm, ø114 mm or ø133 mm (single or double design) / fixed position, 0° for pole-top ø48 mm / adjustable in 5° increments from 0–90°, for pole-top ø76 mm or ø60 mm

\* other color on request  
\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	55	24

Driver

	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements

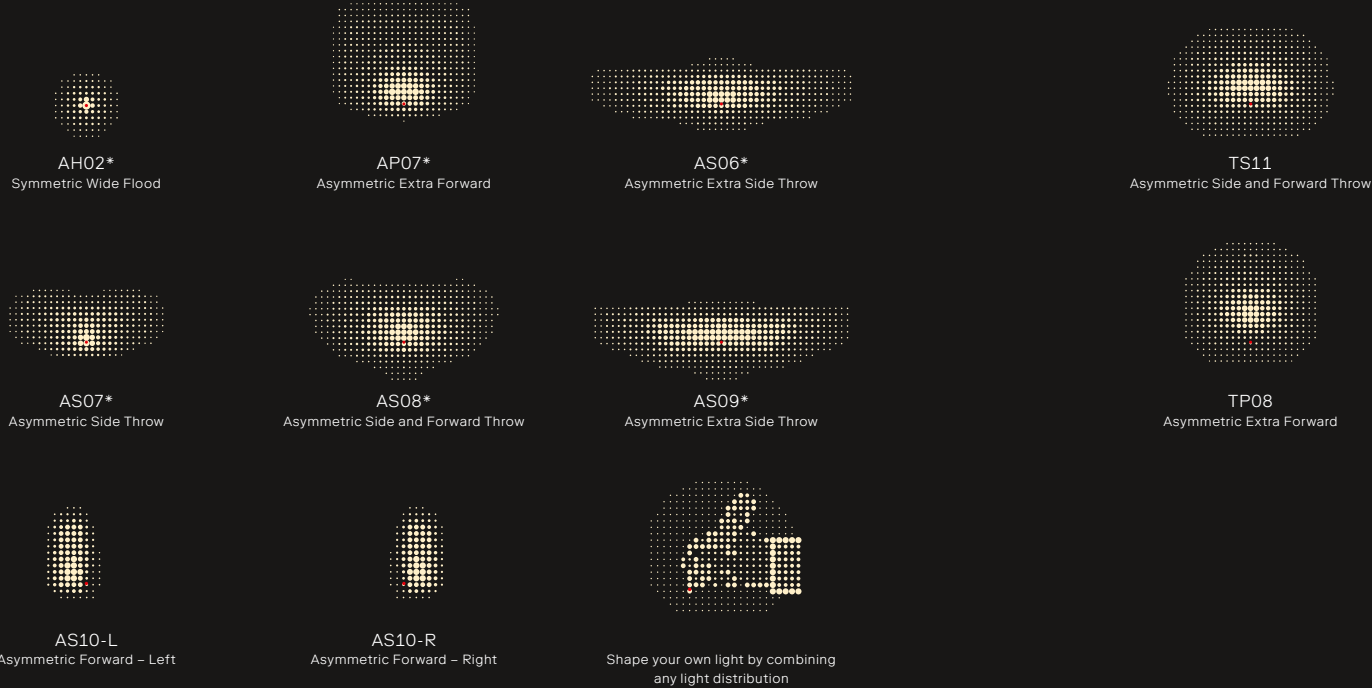
Model	LPH [m] ①	① ②	① ③	Weight [kg] ⑤
DA400	3–6	0.14	0.07	11.5
DA400–W	/	0.13	0.05	10.0
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				⑥ ⑦ ⑧ excluding pole

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------



Precision lens optics  
\* also available in satiné version



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

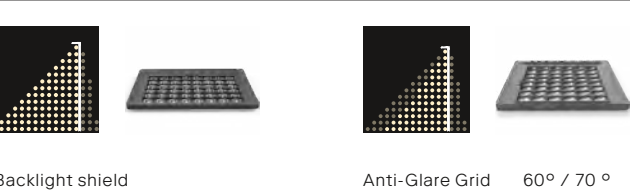
Model	DA400/–W	DA400/–W
Light units	1–2	2
Luminous flux [lm]	1,000–6,300	1,800

Available designs (also available as pendant)



Accessories

ewoLightLayers (optical accessories)



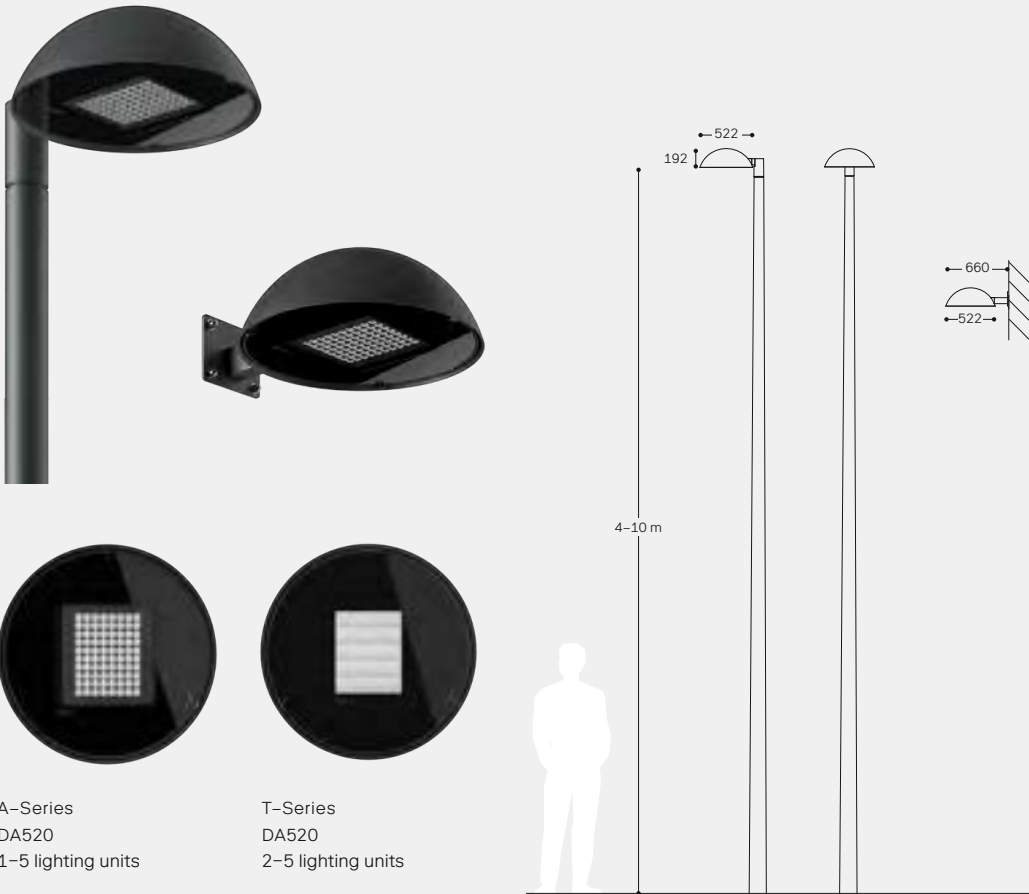
DA520  
DA520-W

Public space  
Roads and traffic



DB 703  
Anthracite

ewo  
color



Configurator

CE RoHS IK08

A-Series  
DA520  
1-5 lighting units

T-Series  
DA520  
2-5 lighting units

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole, wall
Pole adapter	Aluminum, fixed position, 90° for pole-top ø89 mm, ø114 mm or ø133 mm (single or double design) / swivels from 0 to 90° in 5° increments, for pole-top ø76 mm or ø60 mm

\* other color on request  
\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	500	225
LED power max. [W]	123	60

Driver

	A-Series	T-Series
Control options	    	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	

Measurements

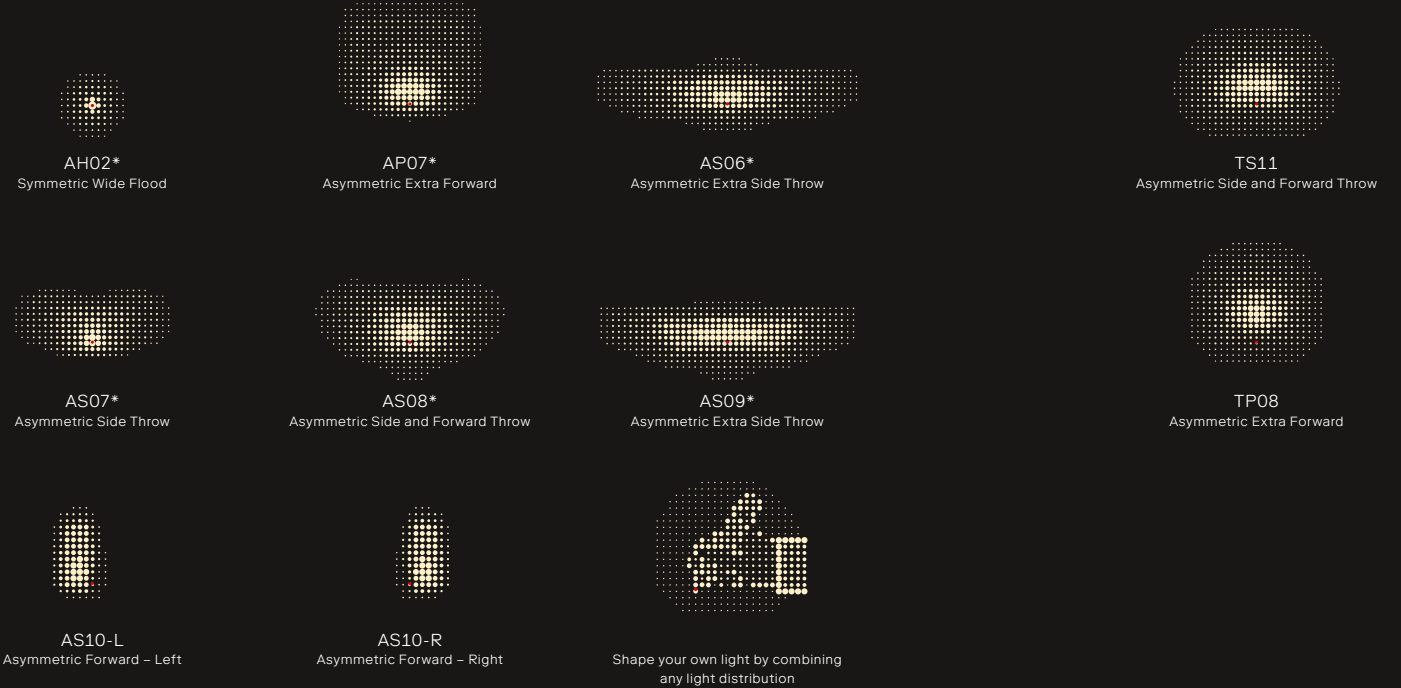
Model	LPH [m] ①	① ②	① ③	Weight [kg] ⑤
DA520	4-10	0.23	0.10	18.0
DA520-W	/	0.22	0.09	17.5
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				②③⑤ excluding pole

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------



Precision lens optics  
\* also available in satiné version



2,200 K CRI ≥ 70   2,700 K CRI ≥ 70   3,000 K CRI ≥ 80   4,000 K CRI ≥ 70   5,700K CRI ≥ 70   CRI ≥ 80 on request   Tunable White CRI ≥ 80   RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

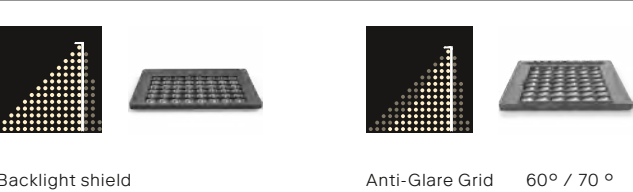
Model	DA520/-W	DA520/-W
Light units	1-5	2-5
Luminous flux [lm]	1,000-14,700	4,600

Available designs (also available as pendant)



Accessories

ewoLightLayers (optical accessories)





WAYS  
ACCENTS  
BUILDINGS

## FN

The FN family of pole mounted luminaires is available with either A-Series high precision lens optics for static white applications or T-Series low glare ewoLightTile for tunable white configurations. Its body can house up to six lighting units, providing various light distributions for area, high bay, street or walkway lighting. A single lighting unit can be added to the back of the luminaire for applications requiring a more bi-directional approach. Smart Lighting control modules for different communication standards or external Zhaga interface can optionally be integrated into the luminaire, allowing it to join smart city networks.







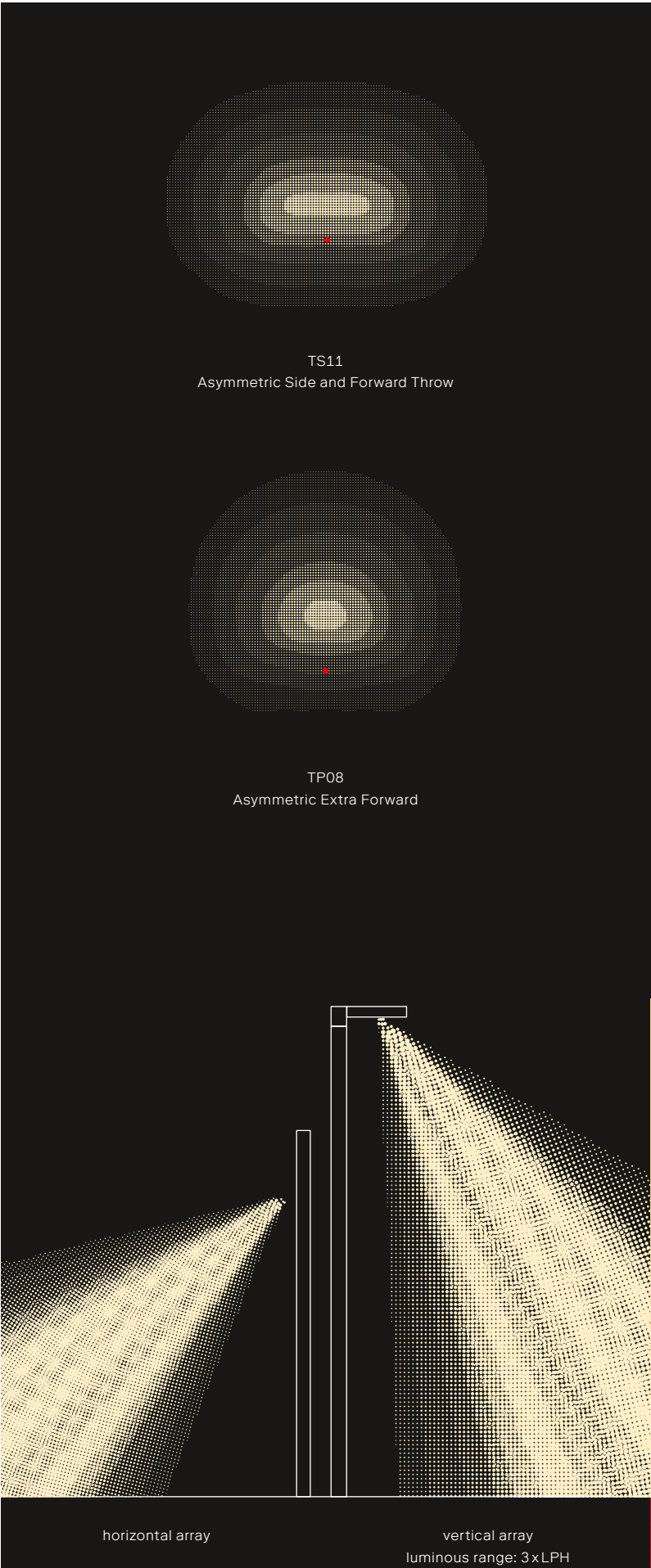
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

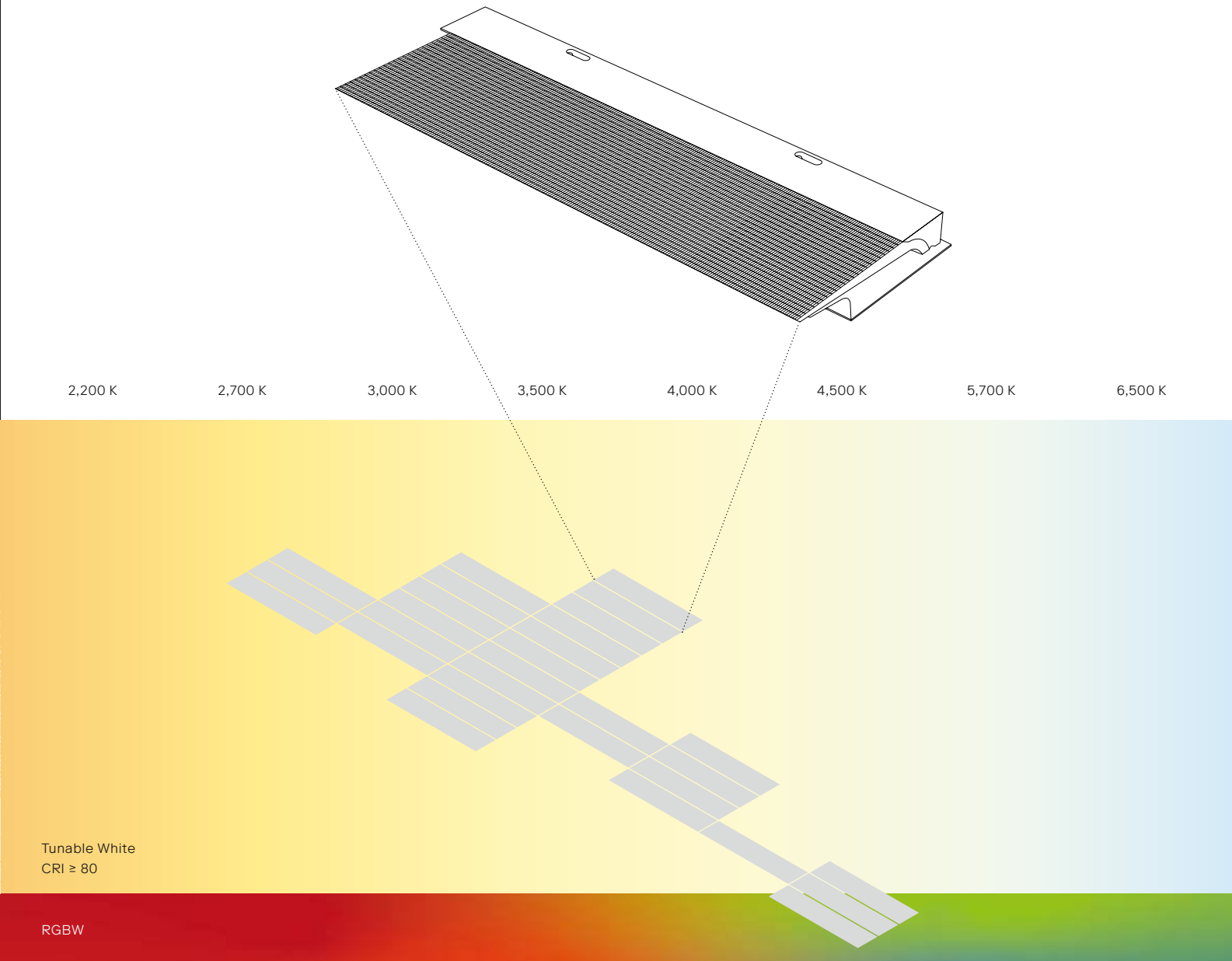


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

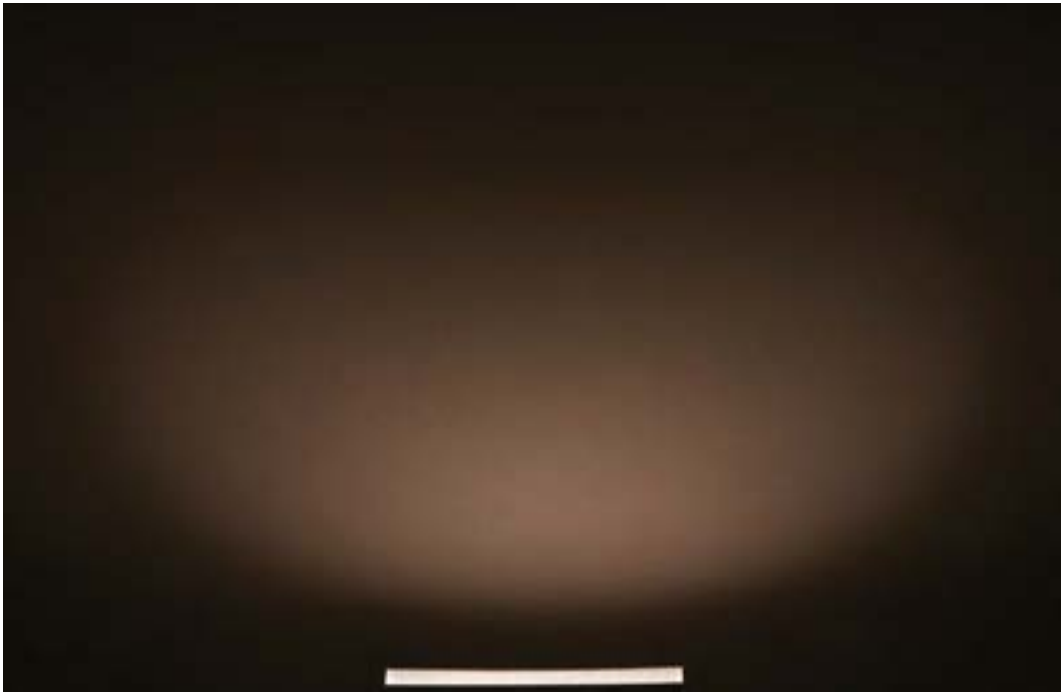
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



ewoLightTile

BODY OF LIGHT



POLE  
FN1000  
FN 1000-B



A-Series  
FN1000  
1-4 lighting  
units



A-Series  
FN1000-B  
1-4+1 lighting  
units



T-Series  
FN1000  
2-4 lighting  
units



T-Series  
FN1000-B  
2-4+1 lighting  
units

POLE  
FN1300  
FN1300-B



A-Series  
FN1300  
5-6 lighting  
units



A-Series  
FN1300-B  
5-6+1 lighting  
units



T-Series  
FN1300  
5-6 lighting  
units

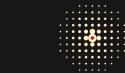


T-Series  
FN1300-B  
5-6+1 lighting  
units

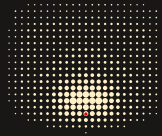
SHAPE OF LIGHT



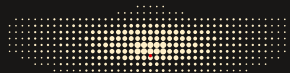
Precision lens optics  
\* also available in satiné version



AH02\*  
Symmetric Wide Flood



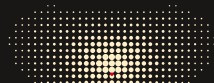
AP07\*  
Asymmetric Extra Forward



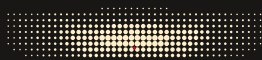
AS06\*  
Asymmetric Extra Side Throw



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



AS09\*  
Asymmetric Extra Side Throw



AS10-L  
Asymmetric Forward – Left



AS10-R  
Asymmetric Forward – Right



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

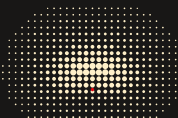


5,700 K  
CRI ≥ 70

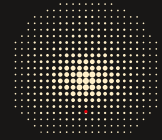
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



Tunable White  
CRI ≥ 80



RGBW

INTELLIGENCE OF LIGHT



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1-10V
ewo connexx	XX
Zhaga Book 18	Z
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
-----------	------------

Programming options

Night dimming
---------------



POLE  
FN1000  
FN1000-B

Roads and traffic  
Logistics

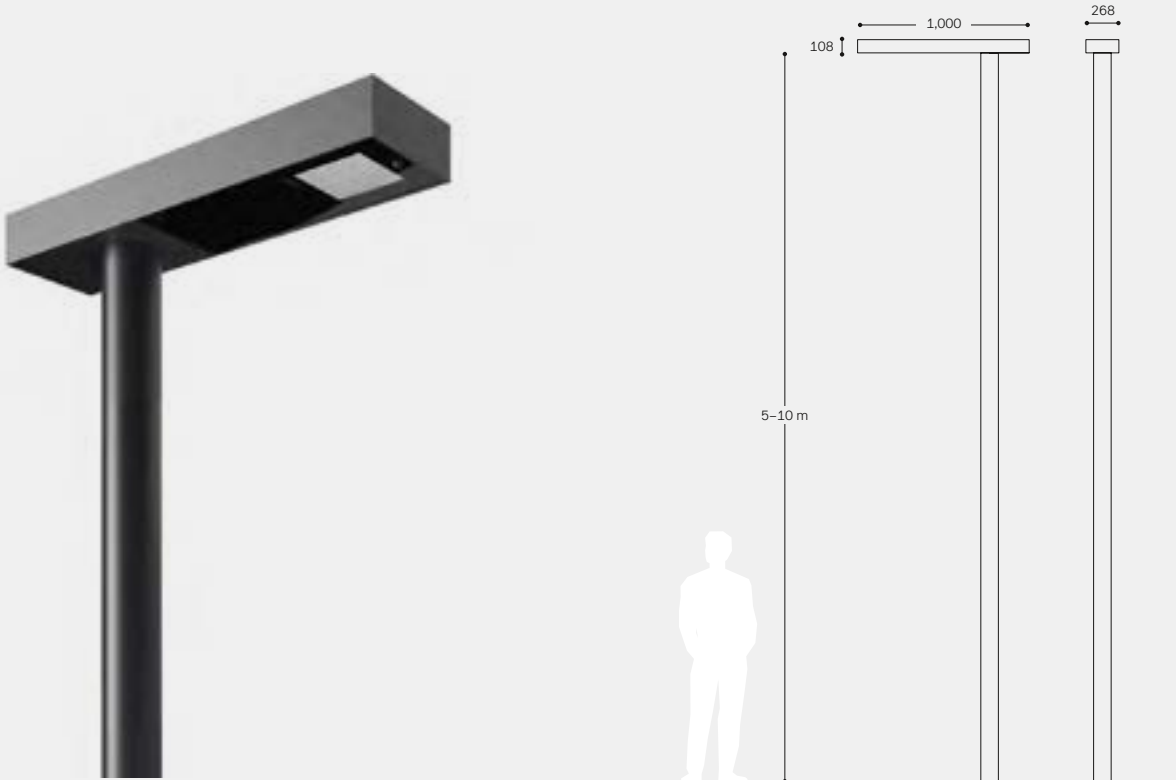


DB 703  
Anthracite

ewo  
color

Configurator

CE RoHS IK08



Housing

Housing material	Extruded aluminum profile
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole
	* additional color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	① ②	① ③	Weight [kg] ④
FN1000	5-10	0.27	0.11	21.5
FN1000-B	5-10	0.27	0.11	24.0
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	④ max. weight
				②③④ excluding pole

Electrical

	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	700	225
LED power max. [W]	174	60

Operating conditions

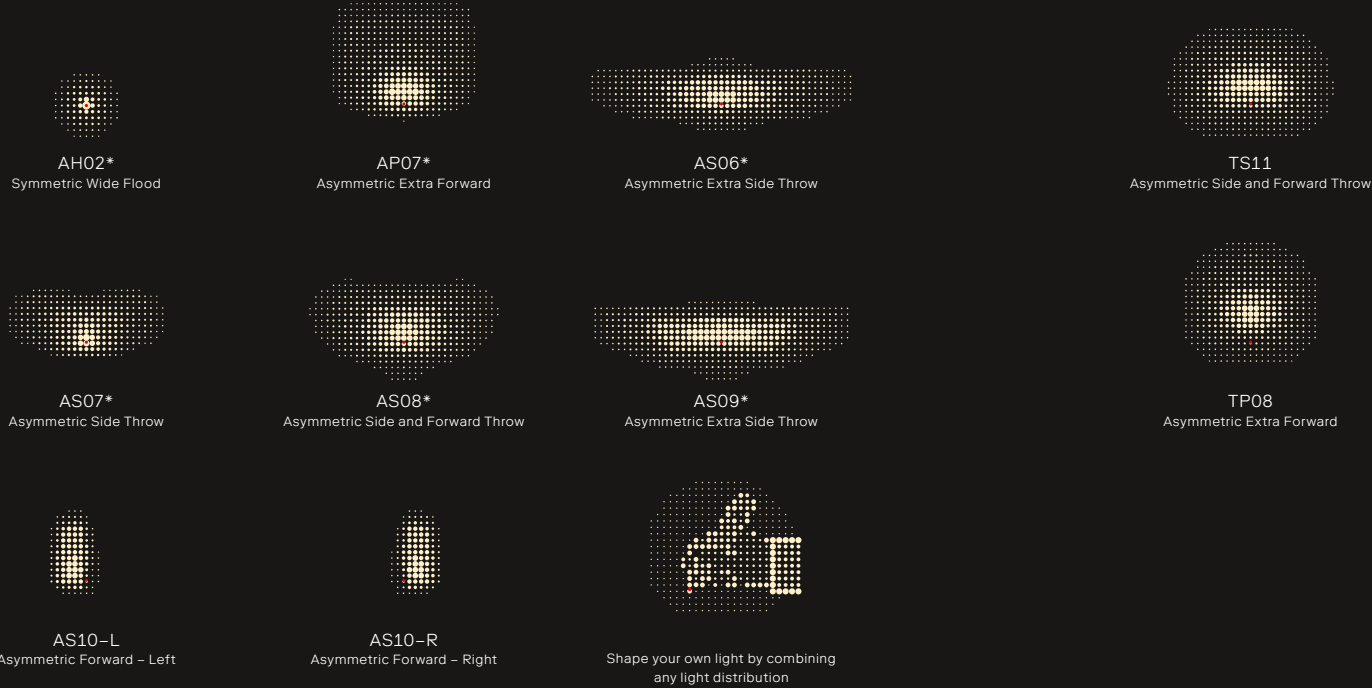
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver

	A-Series	T-Series
Control options	ON OFF DALI 1-10V X Z Lys	T8 DALI
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM

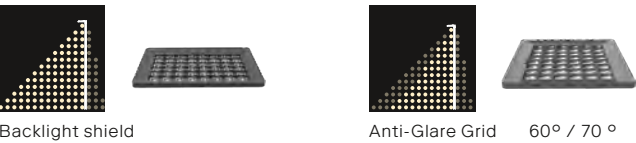
Model	FN1000	FN1000-B	FN1000	FN1000-B
Light units	1-4	1-4+1	2-4	2-4+1
Luminous flux [lm]	1,000-15,500	1,900-19,400	3,600	4,600

Available designs



Accessories

ewoLightLayers (optical accessoires)



POLE  
FN1300  
FN1300-B

Roads and traffic  
Logistics

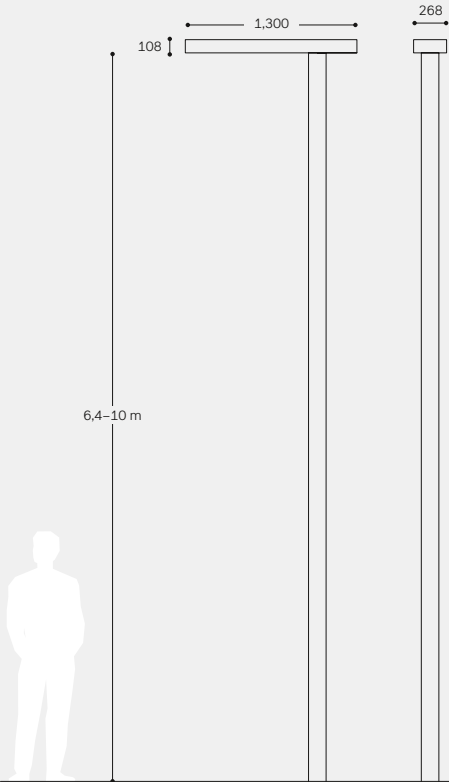


DB 703  
Anthracite

ewo  
color

Configurator

CE RoHS IK08



Housing

Housing material	Extruded aluminum profile
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Glass	Safety glass (ESG)
Mounting options	Pole
	* other color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m] ①	① ②	① ③	Weight [kg] ⑤
FN1300	6.4-10	0.35	0.14	26.0
FN1300-B	6.4-10	0.35	0.14	28.5
	① in 0.1 m steps	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				②③⑤ excluding pole









Electrical

	A-Series	T-Series
Protection class	I/II	I/II
Voltage [V], [Hz]	220-240, 50/60	220-240, 50/60
Current feed max. [mA]	550	225
LED power max. [W]	195	83

Operating conditions

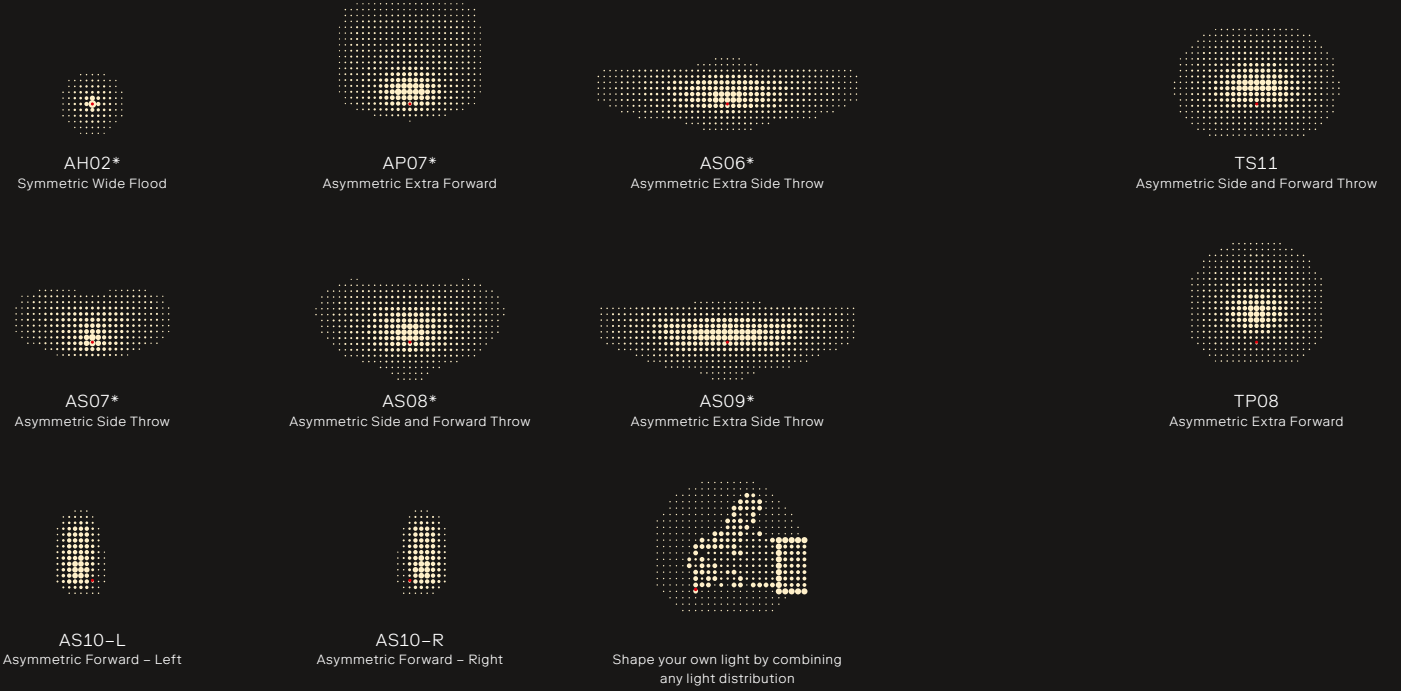
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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Driver

	A-Series	T-Series
Control options	     	 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



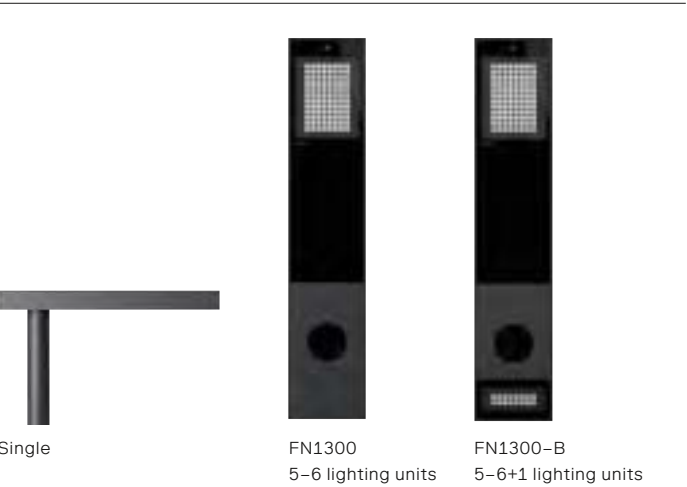
2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 5,700 K CRI ≥ 70 CRI ≥ 80 on request Tunable White CRI ≥ 80 RGBW

Performance

Optics	AH02	AP07	AS06	AS07	AS08	AS09	AS10-L	AS10-R	TS11	TP08
MacAdam ellipses (SDCM)										

Model	FN1300	FN1300-B	FN1000	FN1000-B
Light units	5-6	5-6+1	2-4	2-4+1
Lumious. flux [lm]	4,700-19,100	5,700-22,300	5,500	6,400

Available designs



Accessories

ewoLightLayers (optical accessoires)



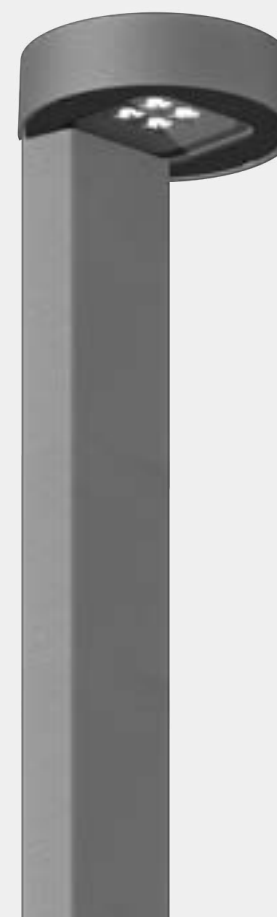


ARCHITECTURE AND THE ARTS  
PUBLIC SPACE

## *if, if* round

For paths, gardens and squares

When it all comes down to atmosphere, our *if* bollard luminaire is the perfect tool to direct light along walkways, gardens and squares in architectural surroundings. As an elegant continuation of the *if* bollard, *if*round and its slender form effortlessly blend in with any setting and environment. Be it in private gardens or on walkways, in residential areas or hotels: With its homogeneous illumination, *if*round is sure to meet even the highest demands of building owners, architects and planners.





# product families



if round-WD, AP06, 2,200 K



if round-WB, AP07, 2,200 K



if round-WU, AH02, 2,200 K



if round-CL, AH02, 2,700 K

When it comes to atmosphere, our if round family, designed by Moritz Kessler, is the ideal solution for directional light on pavement, in gardens, and on squares in architectural settings. if round subtly adapts to any environment thanks to its elegant shape. With its even illumination, if round also meets the highest requirements of builders, architects, and planners. [Video](#)





“What if”

Artist duo beierle.goerlich explores how light transforms space into fantastic scenery – with photographs and installations, and with characters and props swapping places. Through its light, *if* has a transformative effect on any location. That way, a clearing becomes a venue and a world in which the imagination knows no limits. A place where anything could happen *if* ...

*if* ...





Although *if* is perfectly at home in classic architectural settings, beierle.goerlich decided not to depict it together with buildings. Instead, they took typical gardening activities such as mowing the lawn, barbecuing or tending to flowers out of the context of cultural landscapes and relocated them to a forest. In a series of surrealistic images, captured at dawn or dusk, the characters are placed next to each other without any apparent relationship: for instance, the forest fauna and the Woman in Black – a recurring figure in beierle.goerlich's work – whose activities in the woods are soberly observed by onlooking animals. Much like the unruffled wildlife, *if* is a quiet, reserved witness, whose light nonetheless powerfully sets the stage at the heart of the Bavarian Forest.



beierle.goerlich – that's photographer Edward Beierle and artist Jutta Görlich. Their work typically takes them into close proximity with architecture, and oftentimes to places that are undergoing some sort of transformation, which offers them new scope for exploration. For ewo, the duo has shifted their gaze and lens to the *if* bollard luminaire.









*if*round — slender elegance

*if*round adds yet another level of artistry and technology to the *if* product family. One particular detail makes the luminaire unmistakably recognisable as part of the *if* product family: the joint between the shaft and the head. *if*round stands out because the luminaire head can accommodate various A-Series lenses. For designers, this suddenly opens up the entire toolbox of our light-shaping technology – with symmetric and asymmetric light distributions and bespoke lighting configurations.





"As a trained architect, I am particularly fond of products that work in unison with buildings. With its pure, smooth geometry, *if* round is simple yet unmistakable."

– Hannes Wohlgemuth

### *if*round — all about architecture

Be it in private gardens or on walkways, in residential areas or hotels: With its homogeneous illumination, *if*round is sure to meet even the highest demands of building owners, architects and planners. Especially since it is also available in a wall-mounted version that significantly extends its range of application in, on and around any building. And in public spaces, *if*round is the ultimate tool to create and gently fine-tune any high-quality drama, for nearby objects, surfaces and moods alike.



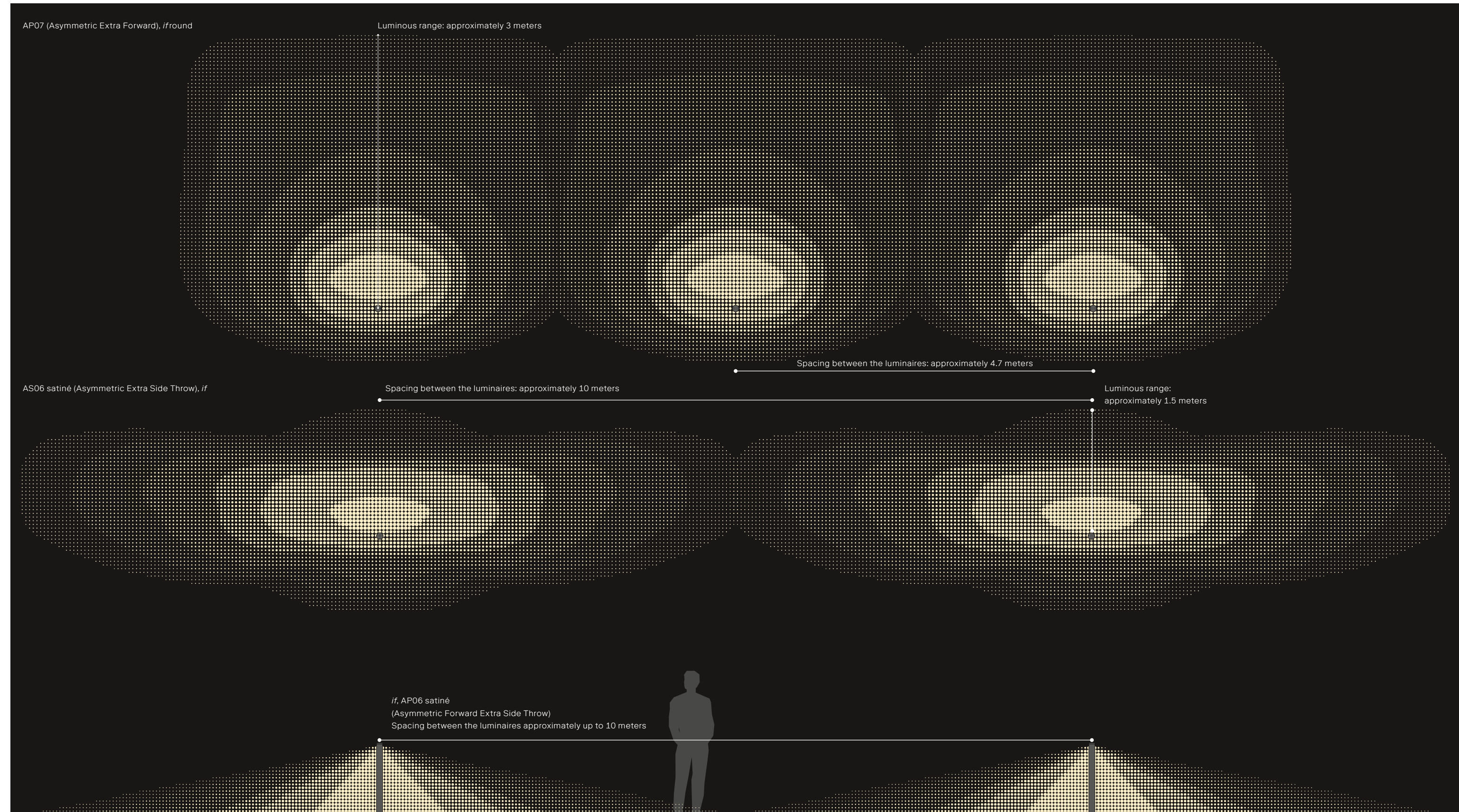




## Luminous range – unrivalled efficiency

By using asymmetric lenses from the A-Series, a homogeneous illumination of up to 10 m to the side can be achieved – a feat that makes planning walkways

and paths far more efficient than with comparable bollards. And not just with the desired intensity, but also guaranteeing the most economical use of light.



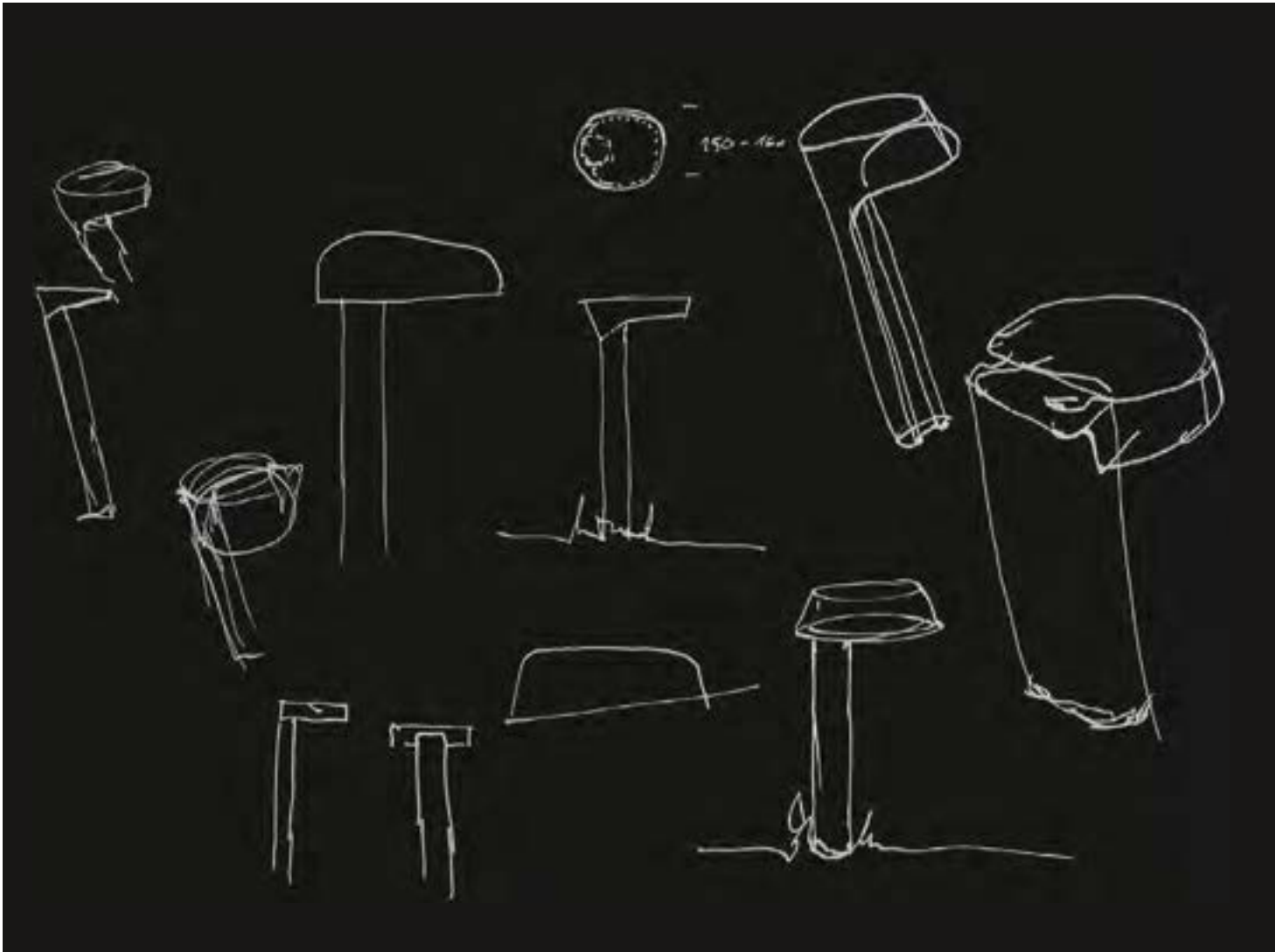
Body of Light

“Our motivation was to develop a simple bollard luminaire that, thanks to its sleek elegance, can discreetly be integrated into any environment. The design links opposites in complete harmony: soft spheres on the vertical plane and clear cuts at the horizontal level.”

— Moritz Kessler, product designer



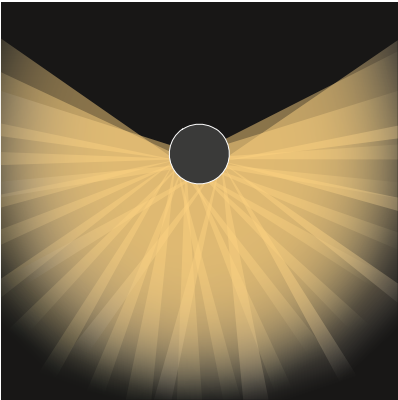
“In the housing, the shaft and the head are linked by a joint – a smooth connecting detail with a decidedly natural look, if is uncompromising in its shape and construction.”



Playful light

“For the paths that lead the guests to their villas, we created a perforated variation of the ifround that provides a distinctive and welcoming presence in the otherwise sparingly lit landscape. The resultant vibrancy is reminiscent of a collection of lanterns being left out to guide the guest home.”

— The Flaming Beacon, Lighting Designers



The eye-catching effect of our perforated screen. An ewoIndividual project for Park Hyatt Maldives Hadahaa and The Ritz Carlton Maldives, Fari Islands.



if, ifround

if  
if-W



if round-BD  
if round-WD  
if round-WU  
if round-CL  
if round-WB



BODY OF LIGHT



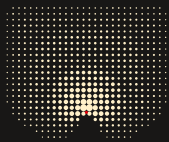
SHAPE OF LIGHT



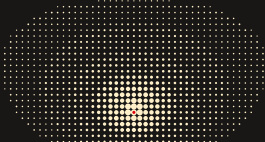
INTELLIGENCE OF LIGHT



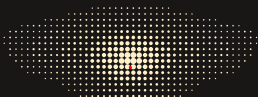
Precision lens optics  
\* also available in satiné version



AP05 satiné (Tilt 5.5°)  
Asymmetric Extra Forward



AP06 satiné (Tilt 5.5°)  
Asymmetric Forward Extra Side Throw



AS06 satiné (Tilt 5.5°)  
Asymmetric Extra Side Throw



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 80

CRI ≥ 80  
on request



AG01  
Symmetric Narrow 10°



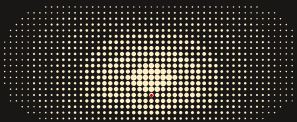
AG02  
Symmetric Medium 26°



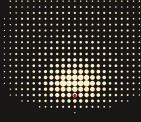
AG03  
Symmetric Flood 50°



AG04  
Symmetric Elliptical 8°-40°



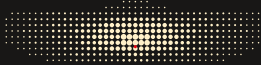
AP06  
Asymmetric Extra Forward



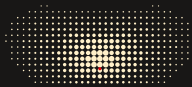
AP07  
Asymmetric Extra Forward



AH02  
Symmetric Wide Flood



AS06  
Asymmetric Extra Side Throw



AS08\*  
Asymmetric Side and Forward Throw



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 80



2,700 K  
CRI ≥ 80



3,000 K  
CRI ≥ 80



Control protocols

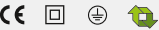
ON/OFF





Architecture and the arts  
Public space

Configurator



IP65/IP22   RoHS   IK05

Housing

Housing material	Aluminum die-cast*
Housing finish	Polyester powder coating (ewoECP upon request***)
Finish standard colour	Silver grey (RAL9007 / DB 702)**
Cover	PMMA
Mounting options	Pole, wall

\* pole made of extruded aluminium profile  
\*\* other color on request  
\*\*\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Electrical

A-Series

Protection class	I/ II
Voltage [V], [Hz]	220–240, 50/60
Current feed max. [mA]	250
LED power max. [W]	5

Driver

A-Series

Control options	<div>ON</div> <div>OFF</div>
Control accessories	Further accessories on request
Software	connexx light management software for remote management of intelligent luminaire clusters

Measurements

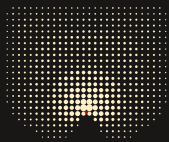
Model	LPH [m] ①	↓ ②	→ ③	Weight [kg] ⑤
if	0.9	0.01	0.07	2.5
if-W	/	0.01	0.01	0.5
	① other LPH available upon request	② projected windage area [m²]	③ lateral windage area [m²]	⑤ max. weight
				②③⑤ pole included

Operating conditions

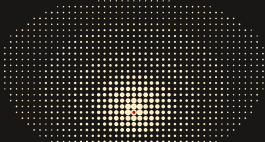
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
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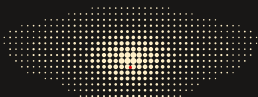
Precision lens optics



AP05 satiné (Tilt 5.5°)  
Asymmetric Extra Forward



AP06 satiné (Tilt 5.5°)  
Asymmetric Forward Extra Side Throw



AS06 satiné (Tilt 5.5°)  
Asymmetric Extra Side Throw



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 80

CRI ≥ 80  
on request

Performance

Optics	AP05 satiné	AP06 satiné	AS06 satiné
MacAdam ellipses (SDCM)		≤ 5 SDCM	

Model	if	if-W
Light units	1	1
Luminous flux [lm]	280–350	280–350

Available designs



Single



Wall-mounted



Ground spike

Accessory

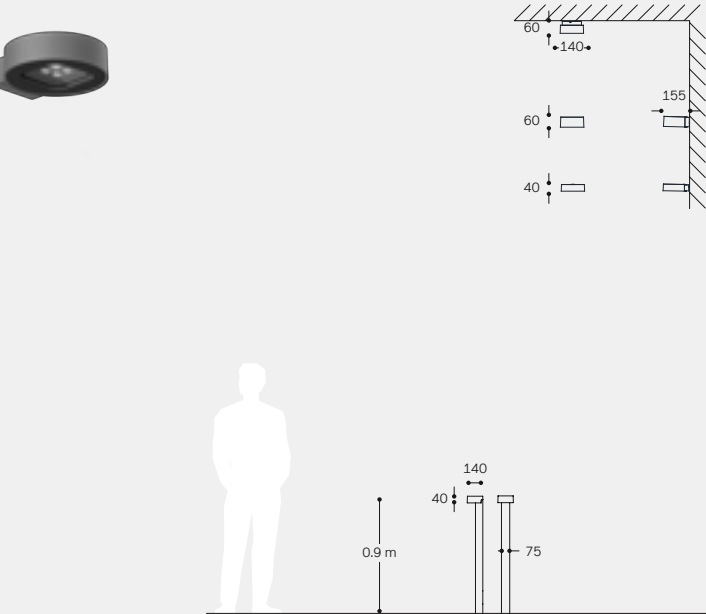
if round

if round-BD  
if round-WD  
if round-WU  
if round-CL  
if round-WB

Architecture and the arts  
Public space

Configurator

CE RoHS IP65 IK08



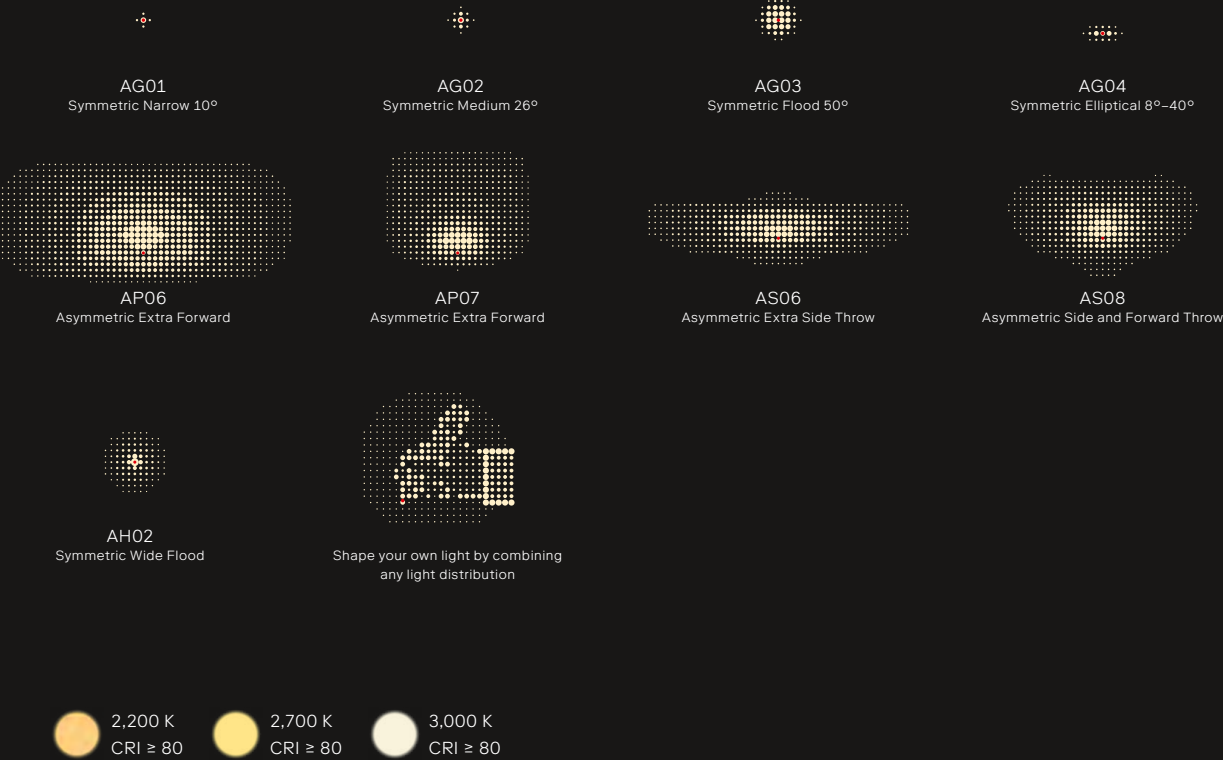
Housing		Measurements			
Housing material	Aluminum die-cast*	Model	LPH [m] ①	↓ ②	→ ③
Housing finish	Polyester powder coating, ewoECP upon request***	if round-BD	0.9	0.02	0.07
Finish standard colour	Silver grey (RAL 9007 / DB 702)**	if round-CL	/	0.02	0.01
Glass	Safety glass (ESG)	if round-WD	/	0.02	0.01
Mounting options	Pole, wall, ceiling	if round-WU	/	0.02	0.01
	* pole made of extruded aluminium profile	if round-WB	/	0.02	0.01
	** other color on request		① other LPH available upon request	② projected windage area [m²]	③ max. weight
	*** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance			④ lateral windage area [m²]	⑤ pole included

Electrical	
Protection class	I / II
Voltage [V], [Hz]	220-240, 50/60
Current feed max. [mA]	650
LED power max. [W]	10

Driver	
Control options	ON OFF
Control accessories	Further accessories on request
Software	connex light management software for remote management of intelligent luminaire clusters



Precision lens optics

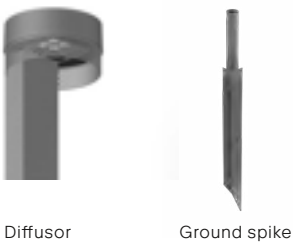


Performance										
Optics	AH02	AG01	AG02	AG03	AG04	AP06	AP07	AS06	AS08	
MacAdam ellipses (SDCM)	≤ 5 SDCM									
Model	if round-BD	if round-CL	if round-WD	if round-WB	if round-WU					
Light units	1	1	1	1	1					
Luminous flux [lm]	190-730	190-730	190-730	190-730	190-730					

Available designs



Accessories





ARCHITECTURE AND THE ARTS  
PUBLIC SPACE

## EL

New levels of visual comfort for  
urban living

A luminaire for illuminating paths, setting  
accents and even illuminating facades.









ST. MARTIN TOWER  
Frankfurt am Main, Germany, 2015  
Kubus Freiraumplanung Gbr  
ewoIndividual, EL



CITTADELLA NUOVA  
Pisa, Italy, 2014  
Fabio Daole  
ewoIndividual, EL



LA SEINE MUSICALE  
Boulogne-Billancourt, France, 2016  
8.18 paris  
ewoIndividual, EL





LUXTRAM  
Luxembourg, Luxembourg, 2017  
Atelier Lumière  
ewoIndividual, EL



WALDKLINIK  
Eisenberg, Germany, 2021  
HDR Germany, Matteo Thun & Partners  
EL



XAL COMPETENCE CENTER  
Graz, Austria, 2011–2013  
XAL  
FA, EL

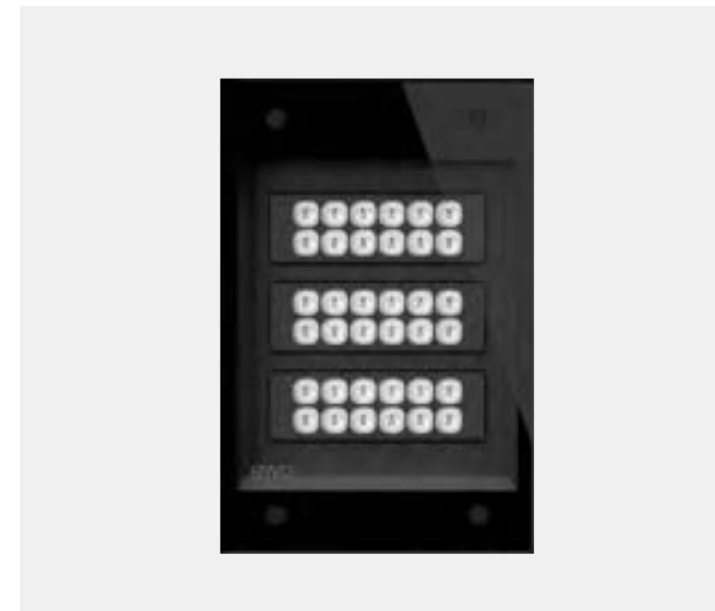
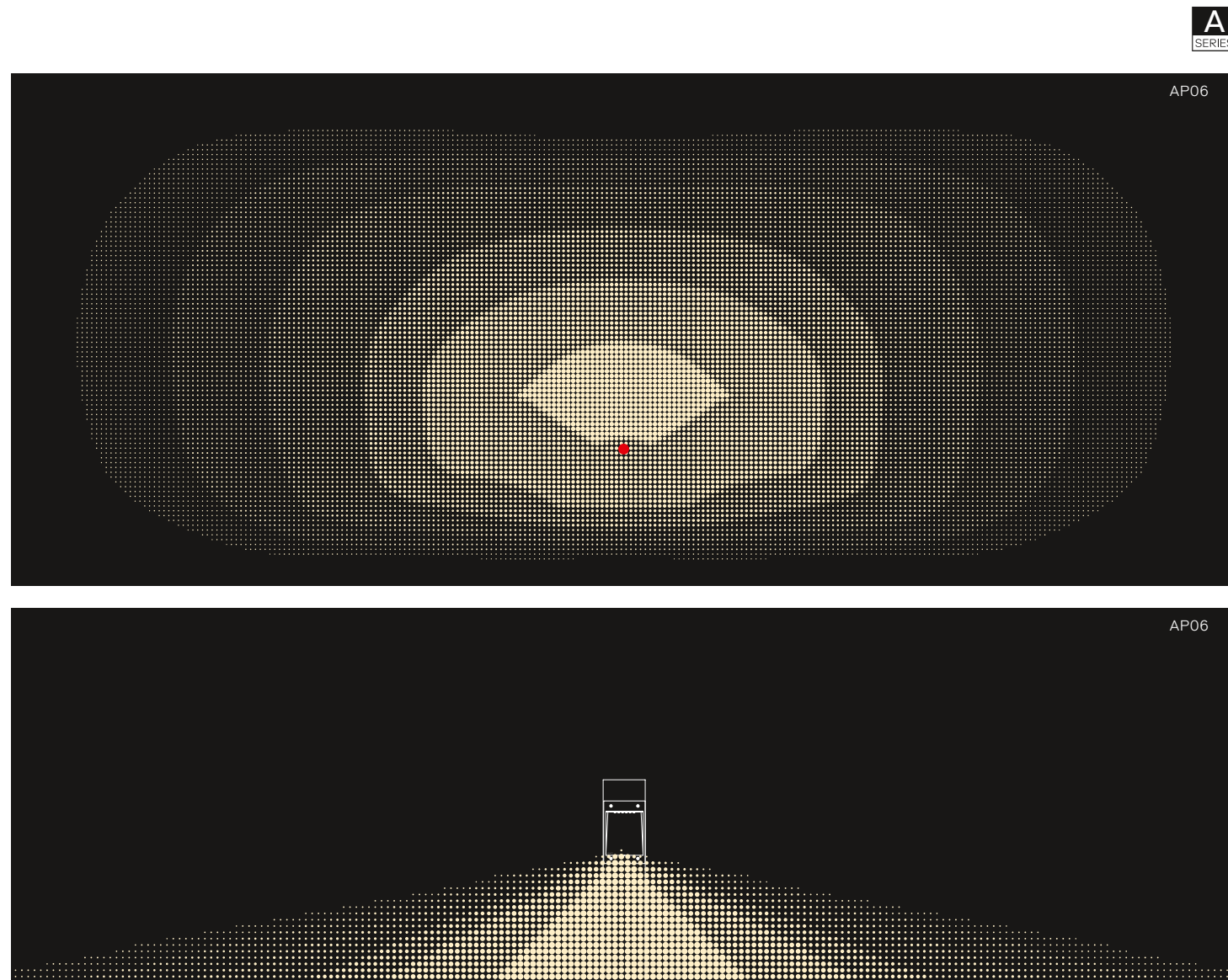
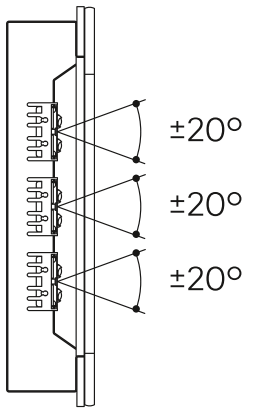


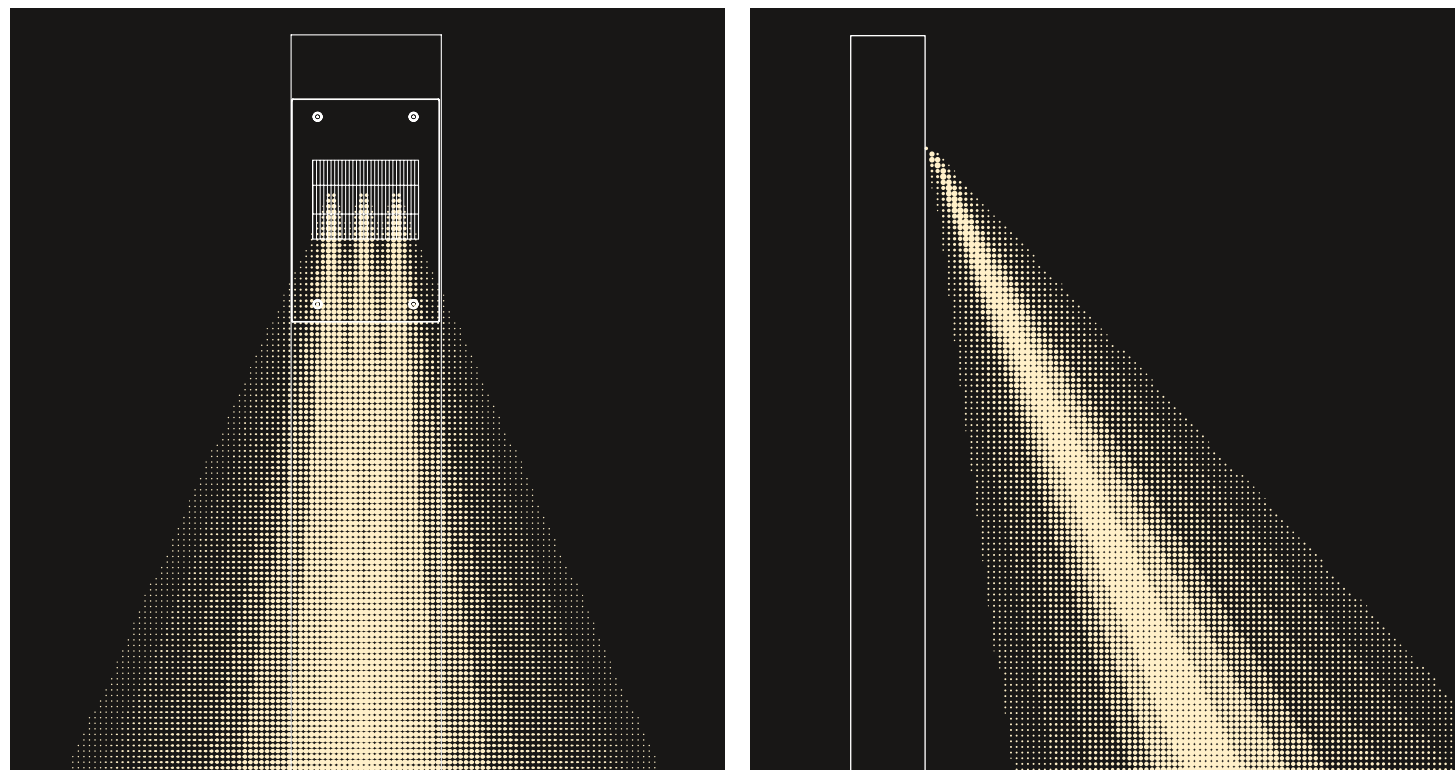
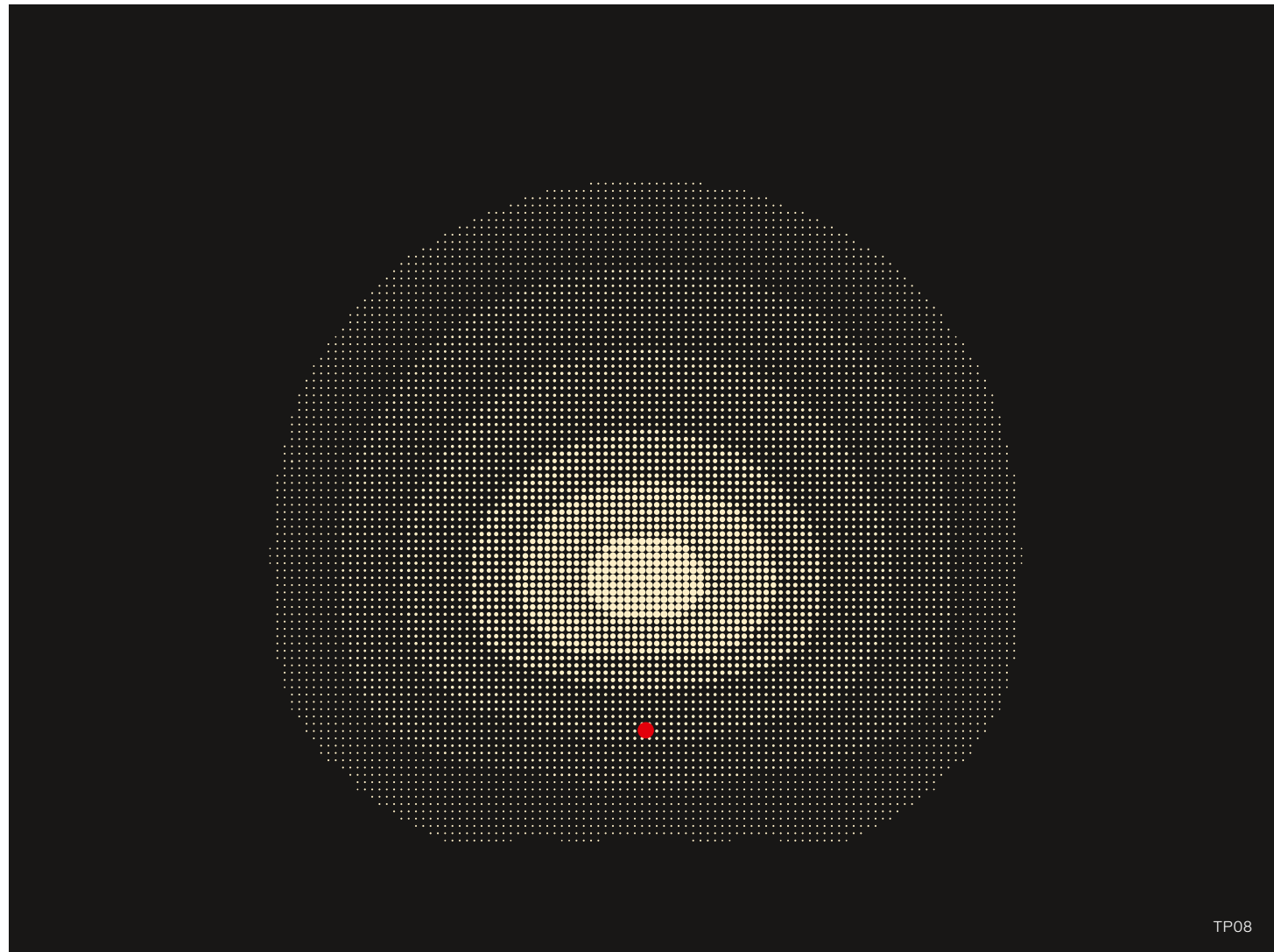




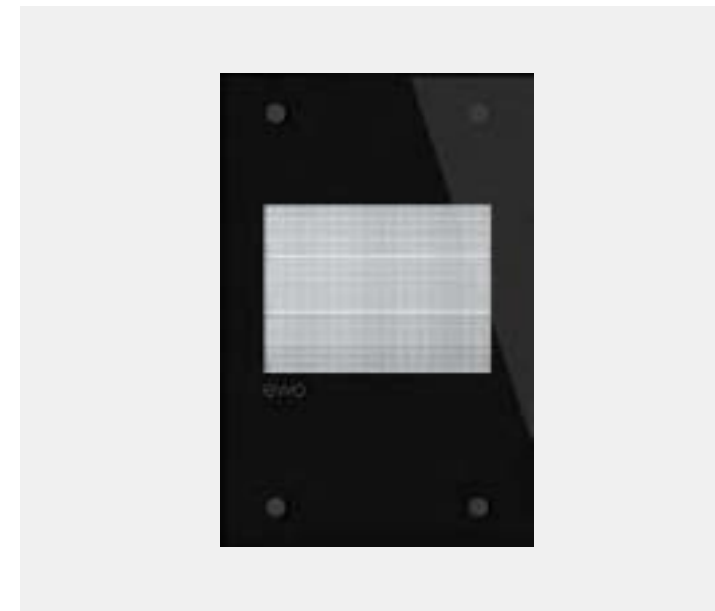
The EL family is compatible with ewo's A-Series precision lens optic or ewoLightTile, low glare light guiding panels. Fitted with A-Series optics, the EL becomes an ideal luminaire for street-lighting and pathway applications. The homogenous yet precise ewoLightTile optics on the other hand, brings dynamic lighting to public spaces to improve wellbeing outside.

EL light columns allow for the configuration of up to 6 light units. Each of the light units can be configured with the desired A-Series optic to create just the right light distribution for a specific project. This freedom of the configuration of optics, helps to exactly direct the light to where it's needed.





Dynamic Lighting has the power to transform public spaces into urban sanctuaries, improving people's wellbeing outdoors. The ewoLightTile optic not only achieves excellent colour mixing, it also conceals the LED light points from view so onlookers can enjoy the light effect without experiencing unwanted glare. And with ewo's precision optics, also the dynamic light is precisely directed for regulation complaint lighting schemes.





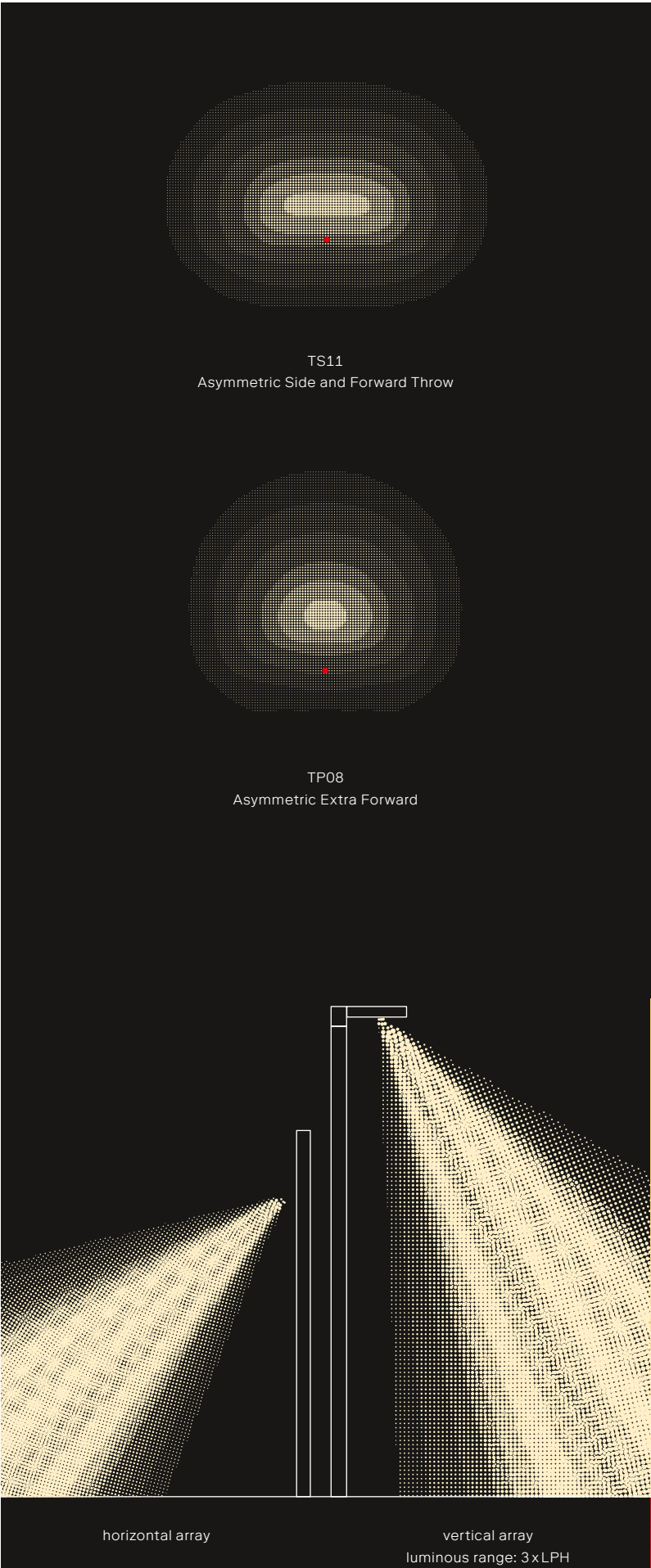
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

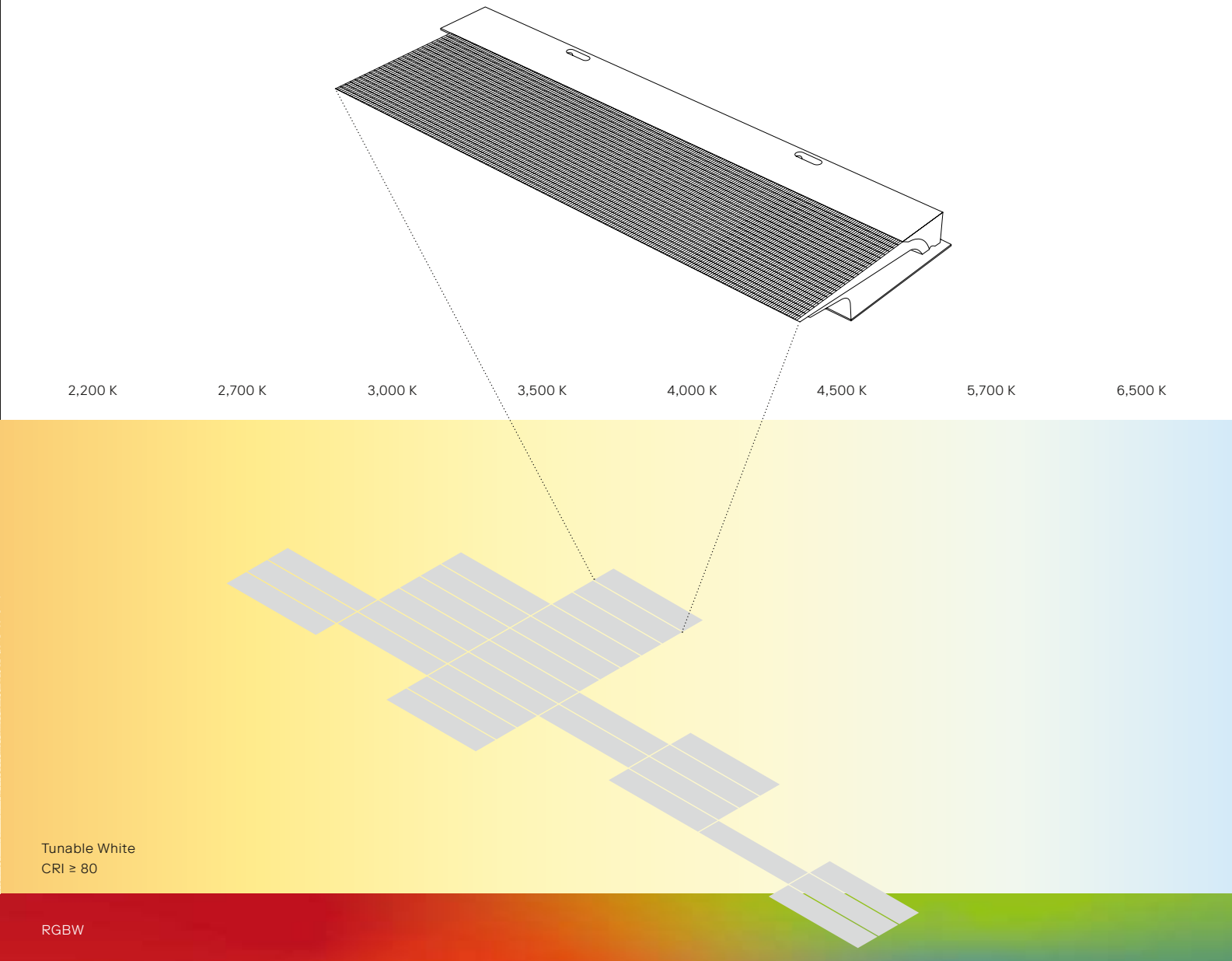


## Areas of Application

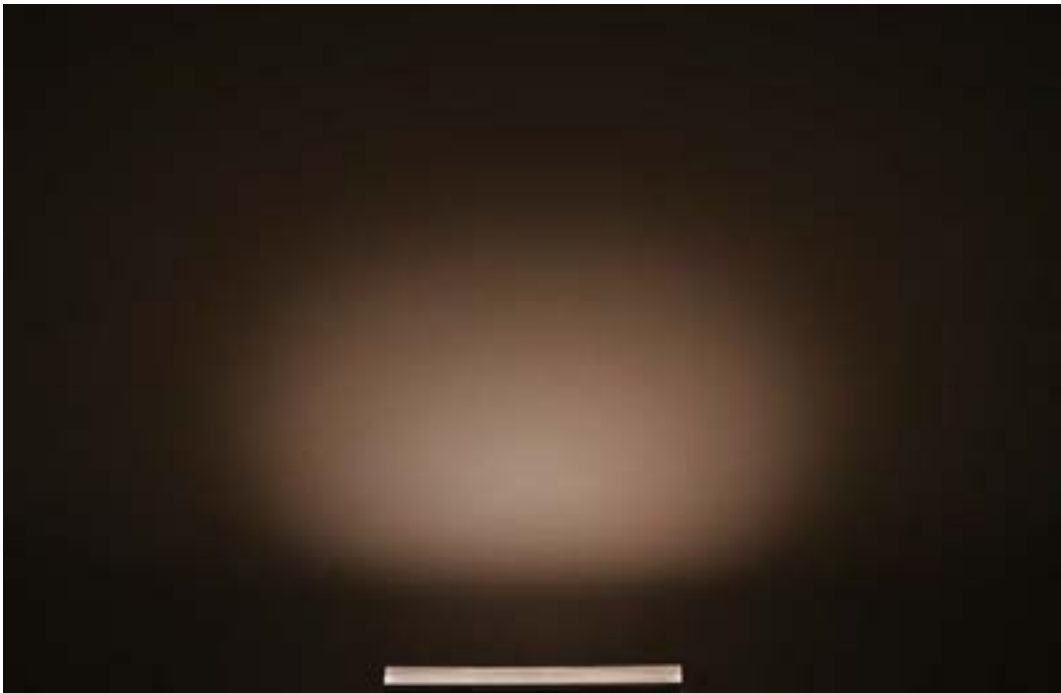
ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

## Modular Combinations

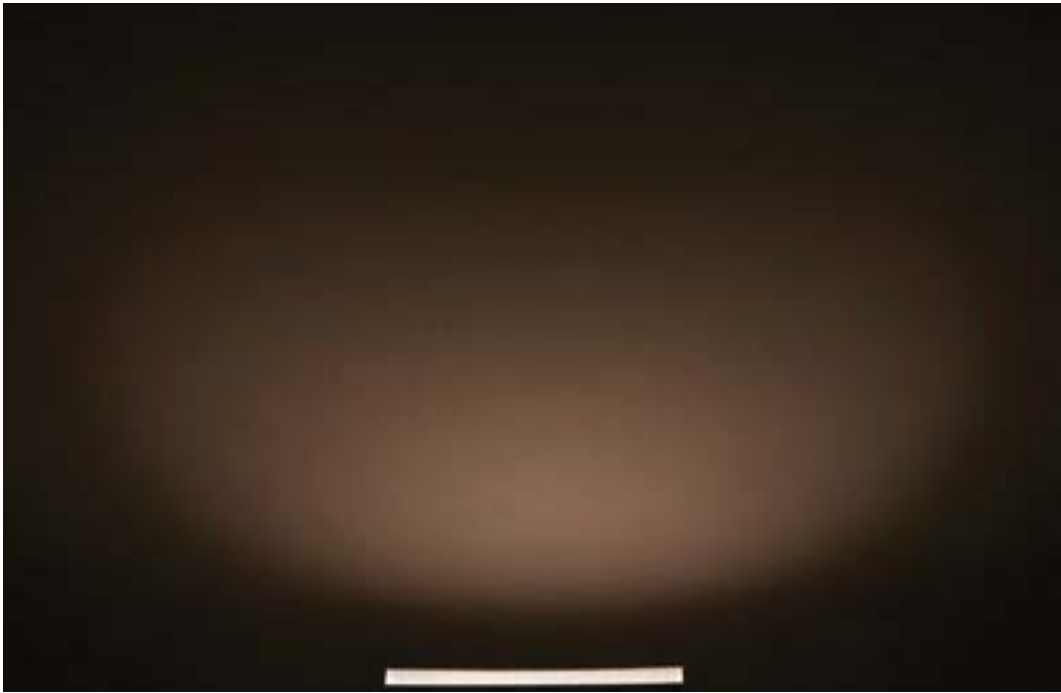
For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.







TP08

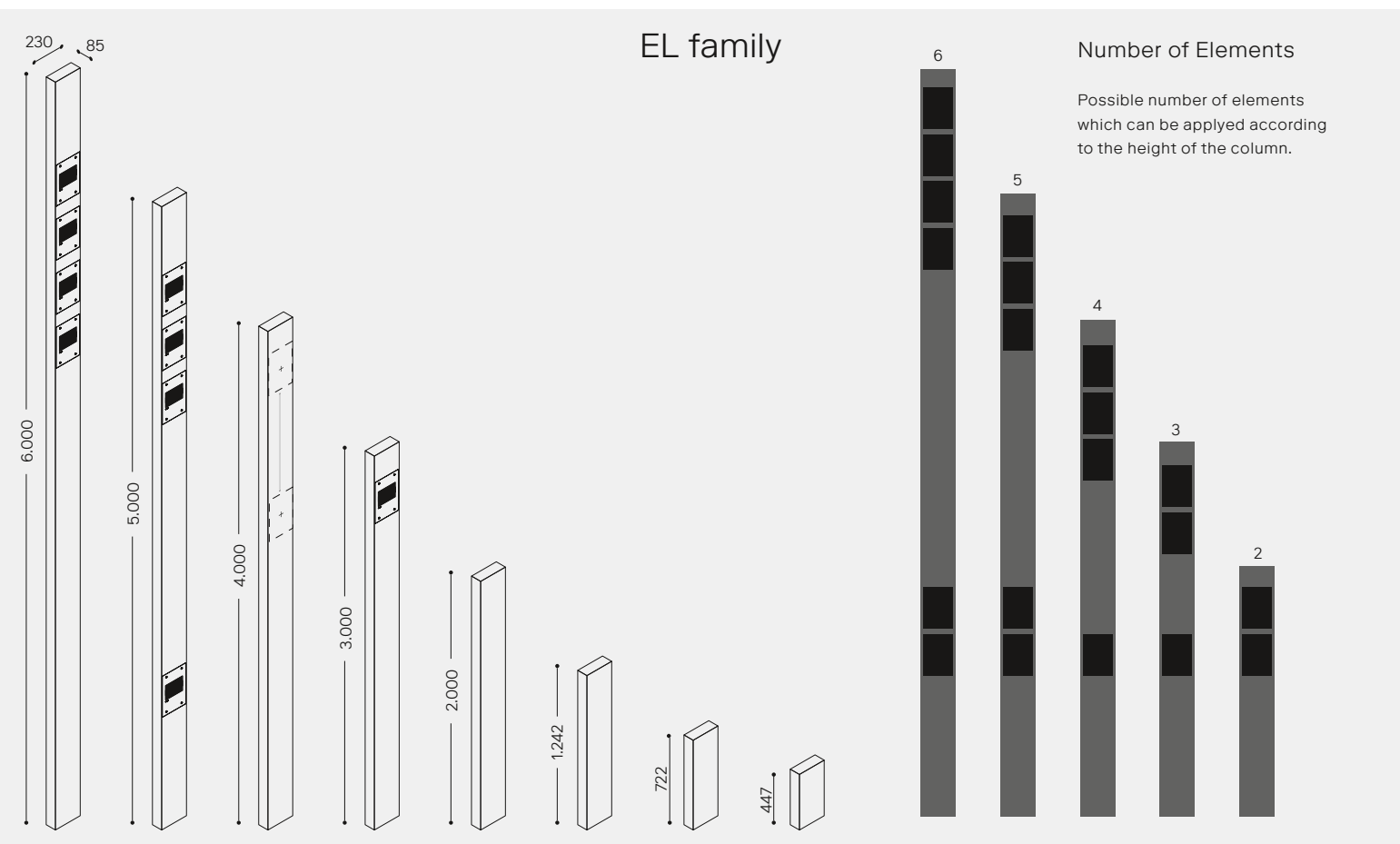


TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.



ewoLightTile



### Function

The EL family of luminaires looks great and is also strong. With an IK of 10 and single-pane safety glass, this product can resist the daily challenges public lighting needs to endure.



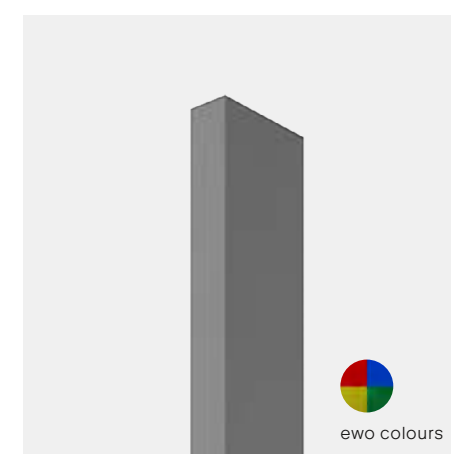
### Form

EL light columns come in a range of sizes from 447mm height all the way to 6m. This makes the EL family of luminaires a versatile tool for both pathway, square and street lighting. Furthermore, the modular nature of the light elements, allows for integration into other product families such as the FA, with an EL light element recessed into the pole.



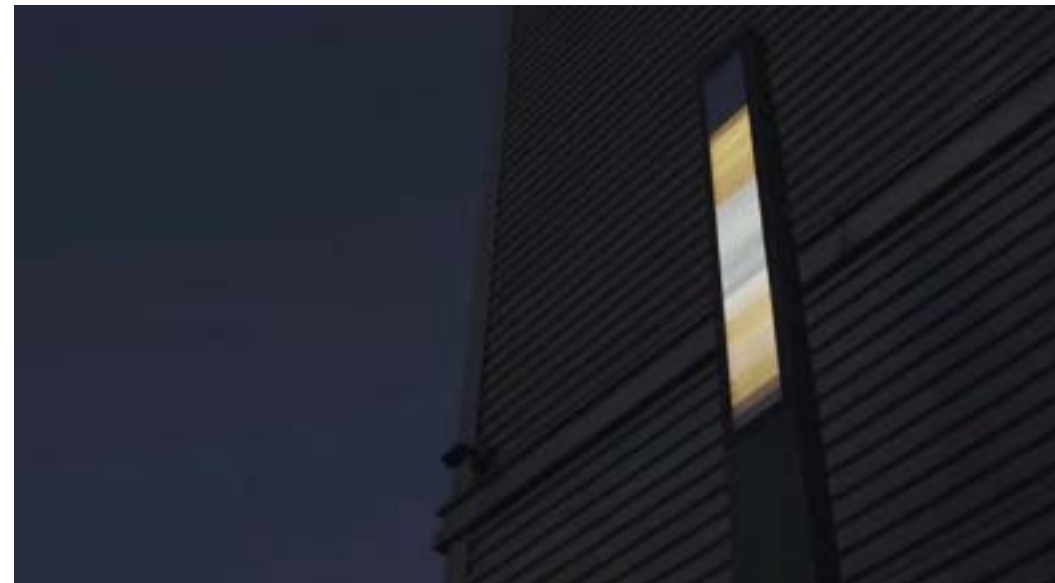
### Finish

With its elegant COR-TEN finish option, EL light columns can transform public areas into modern urban retreats. And if other finishes are needed, ewo offers an extended colour palette of finishes that can be chosen to best suit a space.





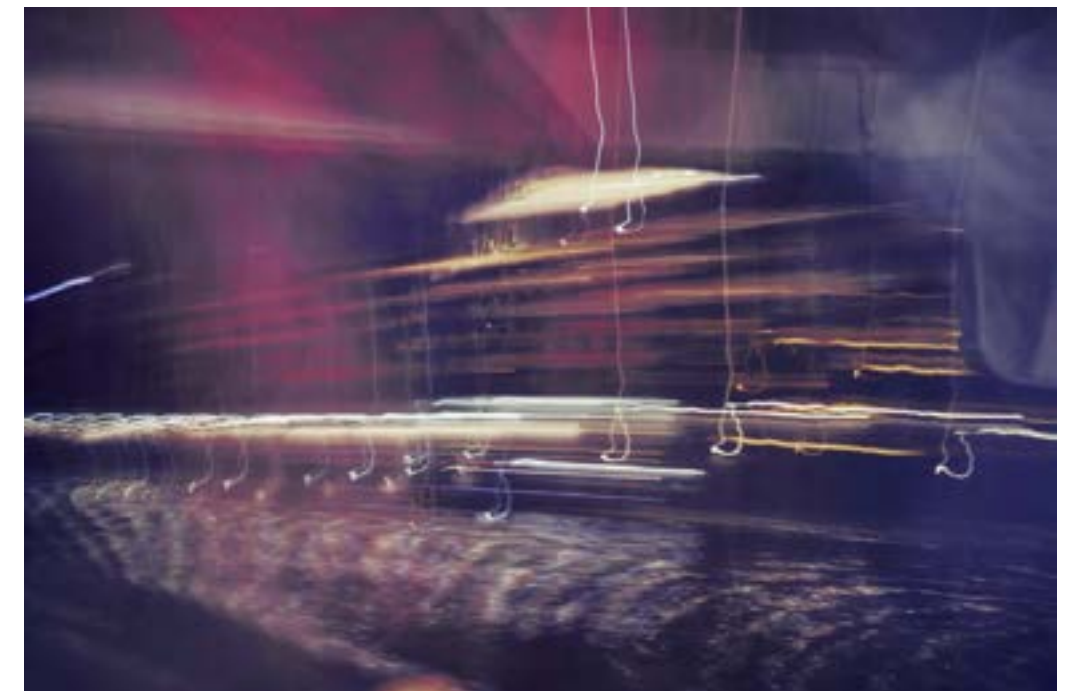
**Stay in control**  
With DALI, 1–10 V and stand alone line switch control, the EL family can easily be controlled to maximise both safety and energy saving.



**Play with colour**  
Cityscapes are being transformed every day in the pursuit to creating dramatic spaces and enticing city centres. Controlling dynamic EL lighting solutions with DALI T8 will enable scene setting, automated lighting adjustment and an introduction to circadian lighting during the hours of darkness.

### Get smart

EL light columns can also be specified with Zhaga interface for smart city integration and intelligent central lighting control. This is an important feature to onboard urban lighting into the internet of things.





BODY OF LIGHT



BOLLARD  
EL380  
EL710  
EL1250



A-Series  
1 recessed  
lighting unit



T-Series  
2-3 lighting  
units

LIGHT COLUMNS  
EL2000  
EL3000  
EL4000  
EL5000  
EL6000



A-Series  
1 recessed  
lighting unit

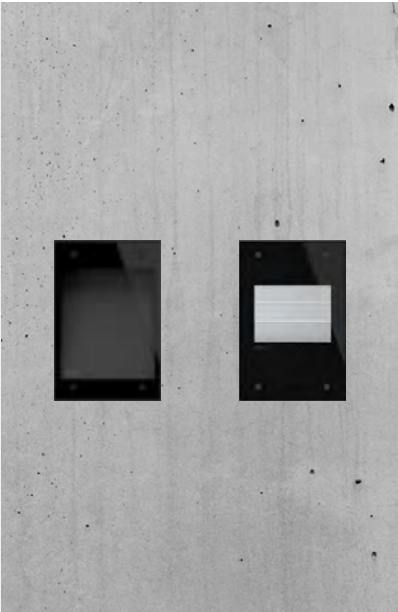


A-Series  
1-3 lighting  
units



T-Series  
2-3 lighting  
units

WALL  
EL-W



A-Series  
1 recessed  
lighting unit



T-Series  
2-3 lighting  
units

SHAPE OF LIGHT



Precision lens optics  
\* also available in satiné version



AG01  
Symmetric Narrow 10°



AG02  
Symmetric Medium 26°



AG03  
Symmetric Flood 50°



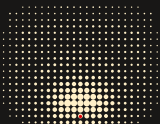
AG04  
Symmetric Elliptical 8°-40°



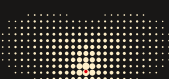
AH02\*  
Symmetric Wide Flood



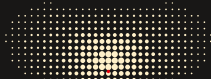
AS06\*  
Asymmetric Extra Side Throw



AP07\*  
Asymmetric Extra Forward



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70

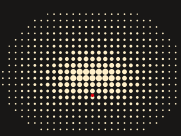


5,700 K  
CRI ≥ 70

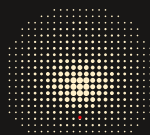
CRI ≥ 80  
on request



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward

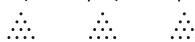


Tunable White  
CRI ≥ 80



RGBW

INTELLIGENCE OF LIGHT



Control protocols

ON/OFF



DALI 2



1-10 V



Line Switch



Programming options

CLO

Constant Lumen Output

AC/DC

Emergency power supply

Stand-alone



Control protocols

DALI 2 T8



Programming options

Night dimming

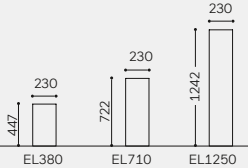
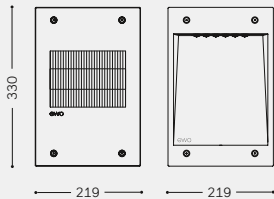
# EL Bollard

EL380  
EL710  
EL1250

Architecture and the arts  
Public space



- DB 703  
Anthracite
- ewo  
color



[Configurator](#)

## Housing

Housing material	Extruded aluminium profile (optionally COR-TEN steel)
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Silver grey (RAL 9007 / DB 702)*
Glass	Safety glass (ESG)
Mounting options	Pole
	* other color on request
	** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

## Measurements

Model	LPH [m]	↓ <sup>①</sup>	→ <sup>②</sup>	Weight [kg]
EL380	/	0.02	0.10	13.5*
EL710	/	0.02	0.17	17.0*
EL1250	/	0.02	0.29	27.0*
		① projected windage area [m²]		* buried base included
		② lateral windage area [m²]		

## Electrical

	A-Series	T-Series
Protection class	I/ II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	600	225
LED power max. [W]	67	36

## Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

## Driver

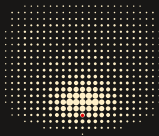
	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



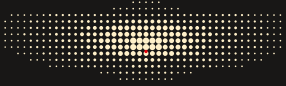
Precision lens optics



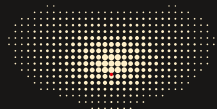
ewoLighTile: low glare  
light-guiding panels



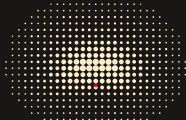
AP07 satiné  
Asymmetric Extra Forward



AS06 satiné  
Asymmetric Extra Side Throw



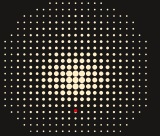
AS08 satiné  
Asymmetric Side and Forward Throw



TS11  
Asymmetric Side and Forward Throw



Shape your own light by combining  
any light distribution



TP08  
Asymmetric Extra Forward

2,200 K  
CRI ≥ 70

2,700 K  
CRI ≥ 70

3,000 K  
CRI ≥ 80

4,000 K  
CRI ≥ 70

5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

Tunable White  
CRI ≥ 80

RGBW

## Performance

Distribution	AP07 satiné	AS06 satiné	AS08 satiné	TS11	TP08
MacAdam ellipses (SDCM)		≤ 5 SDCM		≤ 5 SDCM	

Model	EL380	EL710	EL1250	EL380	EL710	EL1250
Light units	1	1	1	1	1	1
Luminous flux [lm]	300–1,100	300–1,100	300–7,500	2,700	2,700	2,700

## Models/equipment variations



A-Series  
Pedestrian path  
Accent lighting element  
1 lighting unit



T-Series  
Pedestrian path  
Accent lighting element  
2–3 lighting units

## Surface



Aluminium polyester  
powder coated



COR-TEN steel

# EL Light Columns

EL2000  
EL3000  
EL4000  
EL5000  
EL6000

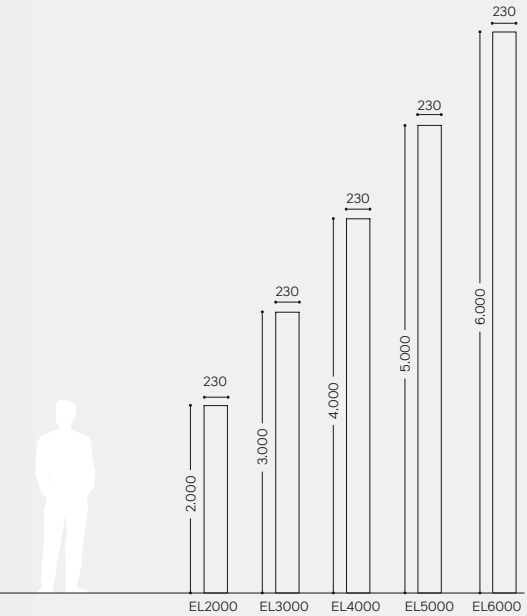
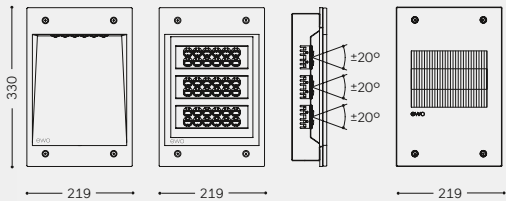
Architecture and the arts  
Public space



- DB 703 Anthracite
- ewo color

Configurator

CE IP66 RoHS IK10



## Housing

Housing material	Extruded aluminium profile (optionally COR-TEN steel)
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Silver grey (RAL 9007 / DB 702)*
Glass	Safety glass (ESG)
Mounting options	Pole * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

## Measurements

Model	LPH [m]	① ①	② ②	Weight [kg]
EL2000	/	0.02	0.46	64.0*
EL3000	/	0.02	0.69	77.0*
EL4000	/	0.02	0.92	90.0*
EL5000	/	0.02	1.15	103.0*
EL6000	/	0.02	1.38	116.0*

① projected windage area [m²]      \* telescopic element included with anchor cage  
② lateral windage area [m²]

## Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. mA	600	225
LED power max. [W]	400	216

## Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

## Driver

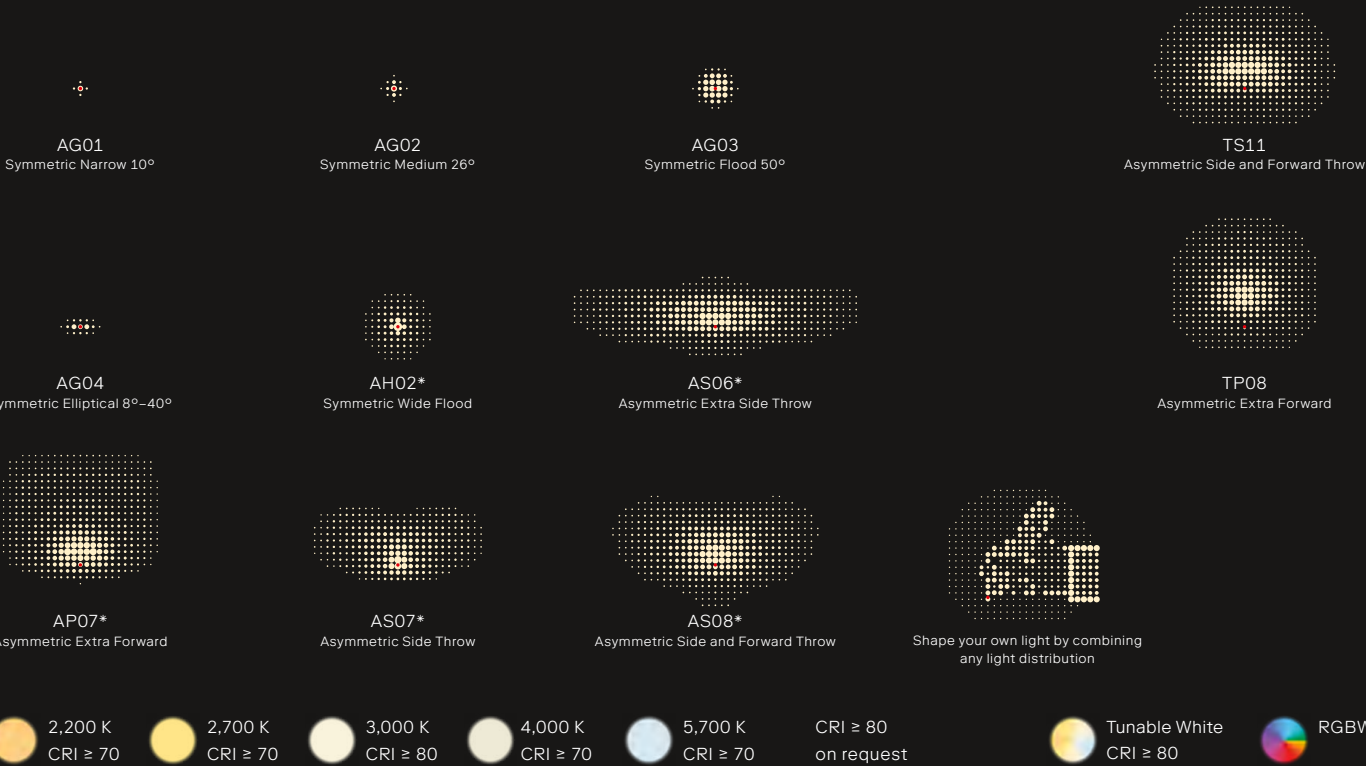
	A-Series	T-Series
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLighTile: low glare  
light-guiding panels



## Performance

Optics	AG01	AG02	AG03	AG04	AH02	AS06	AP07	AS07	AS08	TS11	TP08
MacAdam ellipses (SDCM)					≤ 5 SDCM					≤ 5 SDCM	

Model	EL2000	EL3000	EL4000	EL5000	EL6000	EL2000	EL3000	EL4000	EL5000	EL6000
Light units	1–2	1–3	1–4	1–5	1–6	1–2	1–3	1–4	1–5	1–6
Lumin. flux [lm]	300–15,100	300–22,700	300–30,300	300–37,900	300–45,500	5,400	8,100	10,800	13,500	16,200

## Equipment variations



A-Series  
Pedestrian path  
Accent lighting element  
1 lighting unit



A-Series  
Façade /  
Object lighting element  
1–3 lighting units



T-Series  
Pedestrian path  
Accent lighting element  
2–3 lighting units

## Product variations



Aluminium polyester  
powder coated



COR-TEN steel



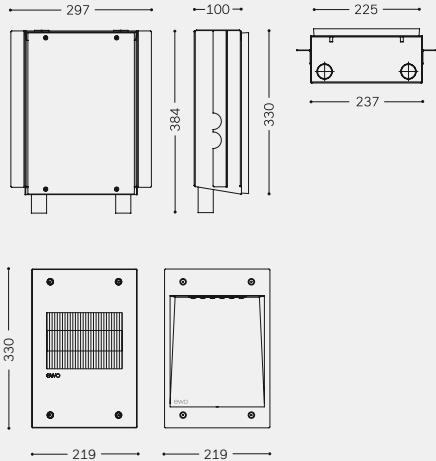
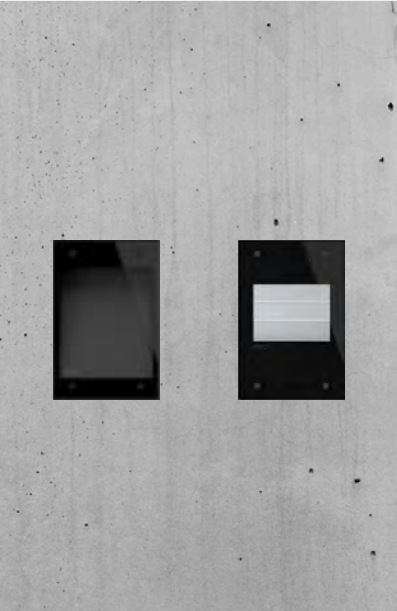
Combinations with FA



EL Wall

EL-W

Recessed walkway lighting



Configurator

CE RoHS IP66 IK10

Housing	
Housing material	Stainless steel
Glass	Safety glass (ESG)
Mounting options	Wall

Measurements	
Model	LPH [m]
EL-W	/
	Weight [kg]
	6.0

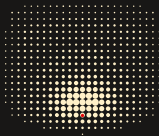
Electrical	A-Series	T-Series
Protection class	I/ II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	600	225
LED power max. [W]	65	36

Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver	A-Series	T-Series
Control options	   	
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



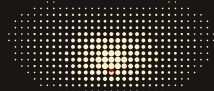
Precision lens optics



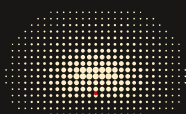
AP07 satiné  
Asymmetric Extra Forward



AS06 satiné  
Asymmetric Extra Forward



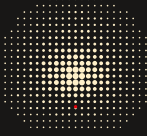
AS08 satiné  
Asymmetric Side and Forward Throw



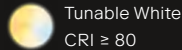
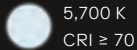
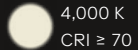
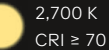
TS11  
Asymmetric Side and Forward Throw



Shape your own light by combining  
any light distribution



TP08  
Asymmetric Extra Forward



Performance

Optics	AP07 satiné	AS06 satiné	AS08 satiné	TS11	TP08
MacAdam ellipses (SDCM)	≤ 5 SDCM			≤ 5 SDCM	

Model	EL-W	EL-W	EL-W	EL380	EL710	EL1250
Light units	1	1	1	1	1	1
Lumin. flux [lm]	300–1,100	300–1,100	300–7,500	2,700	2,700	2,700

Models/equipment variations



A-Series  
Pedestrian path  
Accent lighting element  
1 lighting unit



T-Series  
Pedestrian path  
Accent lighting element  
2–3 lighting units



ARCHITECTURE AND THE ARTS  
PUBLIC SPACE

## ZA

### Urban light column

The ZA light column is an ideal tool to enhance the visitor experience of urban squares and parks. Aesthetically, satiné versions of the ZA light column with its opaque light contribute to the look and feel of open outdoor spaces. Functionally, ZA is also available with asymmetric optical distributions for area, street or walkway lighting, contributing to the safety of these often busy circulation areas.

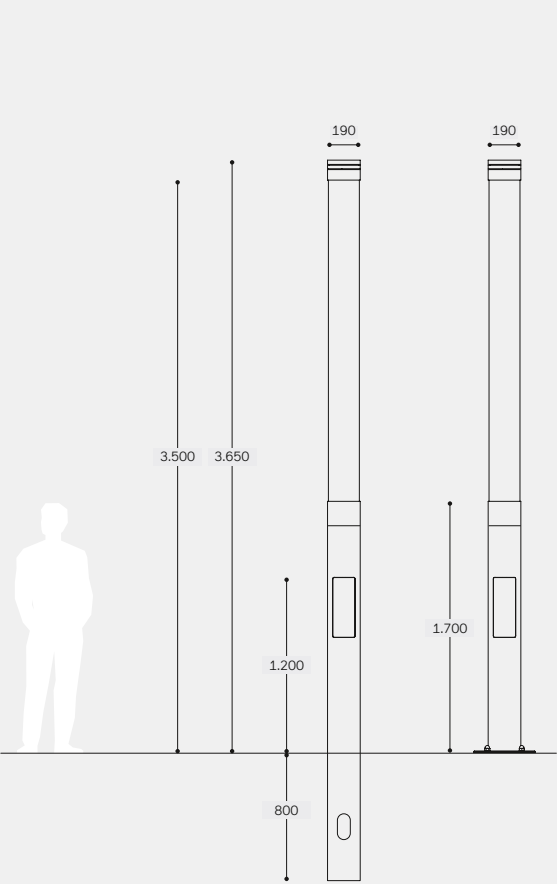
ZA190

LIGHT COLUMN

Architecture and the arts  
Public space

Configurator

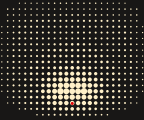
CE RoHS IP66 IK08



Precision lens optics  
\* also available in satiné version



AS07\*  
Asymmetric Side Throw



AP07\*  
Asymmetric Extra Forward



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70



5,700 K  
CRI ≥ 70

CRI ≥ 80  
on request

Housing

Housing material	Aluminum
Housing finish	Polyester powder coating (ewoECP upon request**)
Finish standard colour	Anthracite (DB 703)*
Tube	PMMA tube (satiné)
Maintenance	Flush service door with junction box * other color on request ** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Measurements

Model	LPH [m]	↓ <sup>1</sup> ①	→ <sup>2</sup> ②	Weight [kg] ③
ZA190	3.5	0.03	0.69	45.0
		① projected windage area [m²]		③ max. weight
		② lateral windage area [m²]		①②③ pole included

Performance

Optics	AS07	AP07
MacAdam ellipses (SDCM)	≤ 5 SDCM	

Electrical

Protection class	I/ II
Voltage [V], [Hz]	220–240, 50/60
Current feed max. [mA]	700
LED power max. [W]	36

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver

Control options	A–Series 
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone
Control accessories	Further accessories on request
Software	connexx light management software for remote management of intelligent luminaire clusters



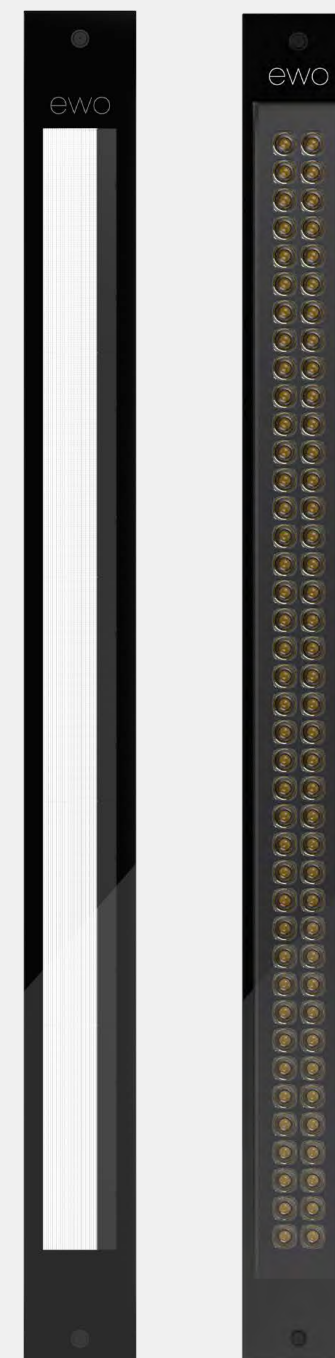


RECESSED WALL LUMINAIRES  
CEILING MOUNT  
INGROUND LUMINAIRES

## IN

### Recessed linear lighting system

The IN family of flush mounted recessed linear luminaires can be ground, wall or ceiling mounted and is suitable for both outdoor and indoor spaces. When fitted with T-Series ewoLightTiles for tunable white solutions, this luminaire creates lighting accents well suited for direct view applications such as inground or wall recessed. When fitted with high precision A-Series lenses, IN becomes a powerful linear projector suitable for walkway lighting and wall washing.





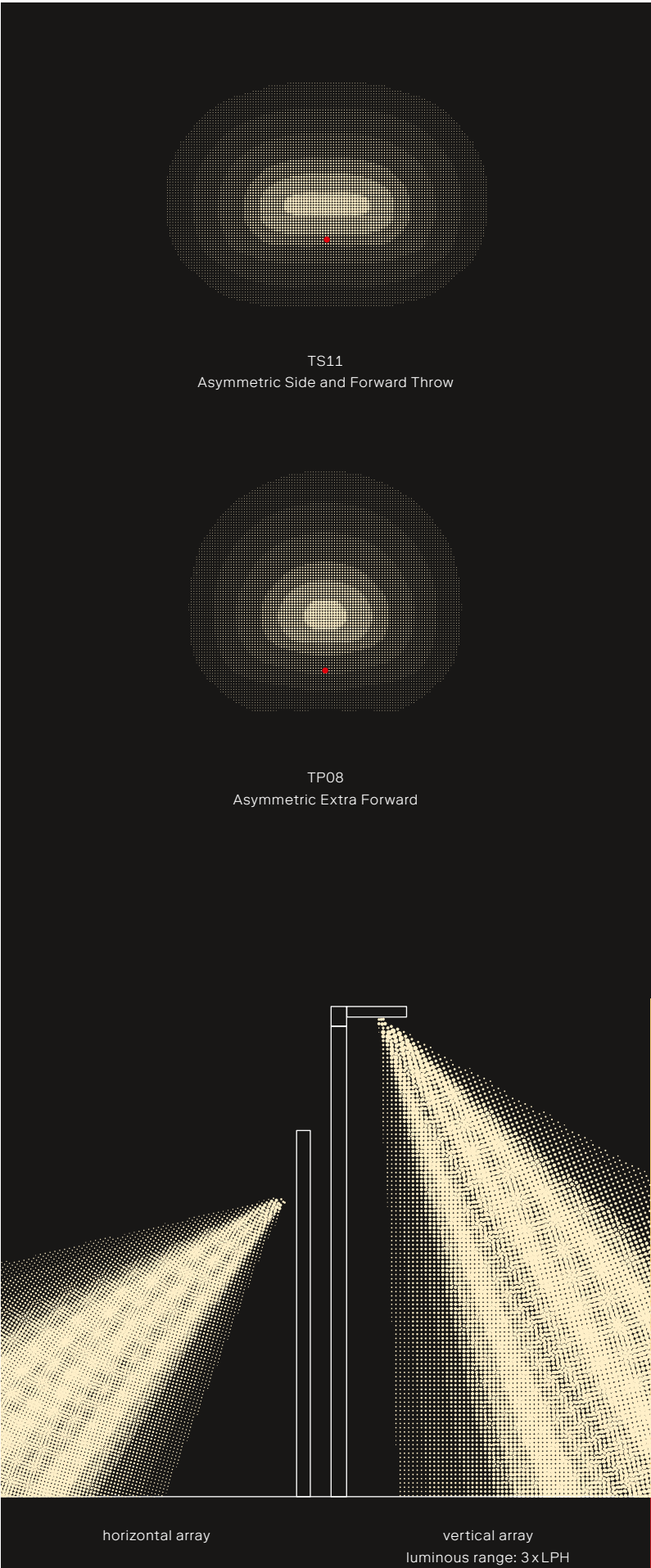
PUBLIC SPACE  
AREAS  
RESIDENTIAL AREAS  
WALKWAYS

# ewoLightTile

Light guiding panels, superior visual comfort, patented technology

ewoLightTile provides a precise and homogeneous light distribution as well as minimised glare and backlighting. The individual LED units and the gaps between the ewoLightTiles remain invisible.

Light guide optics with optimised surface	
Current feed	100-350 mA
Power	9.6-36.9 W per ewoLightTile
Luminous flux	up to 2,300 lm per ewoLightTile

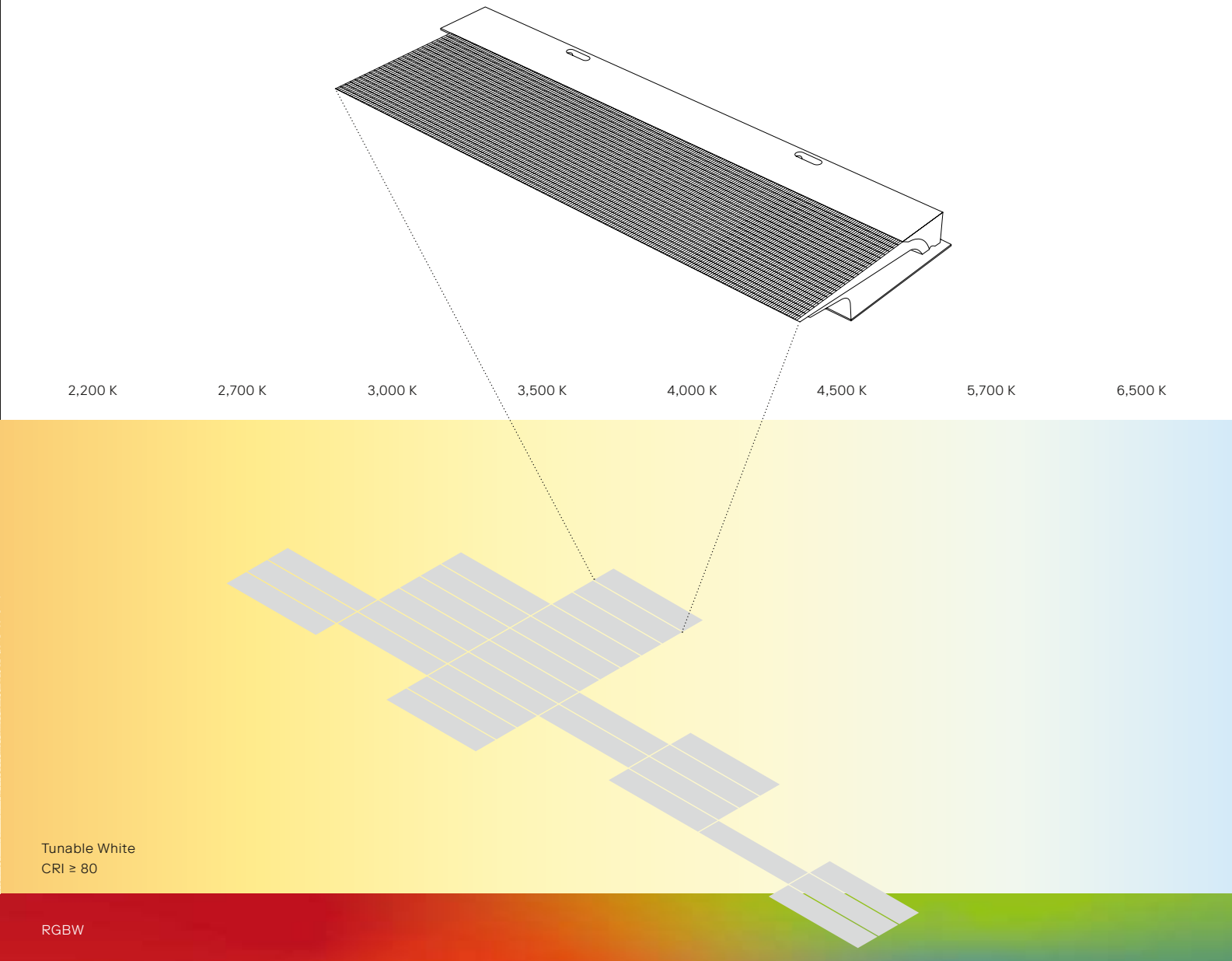


## Areas of Application

ewoLightTile is ideal for projects that focus on making people feel safe and comfortable in a number of settings from pathways to residential areas and urban spaces. Combined both horizontally and vertically, ewoLightTile offers asymmetric light distribution and avoids unwanted light dispersion.

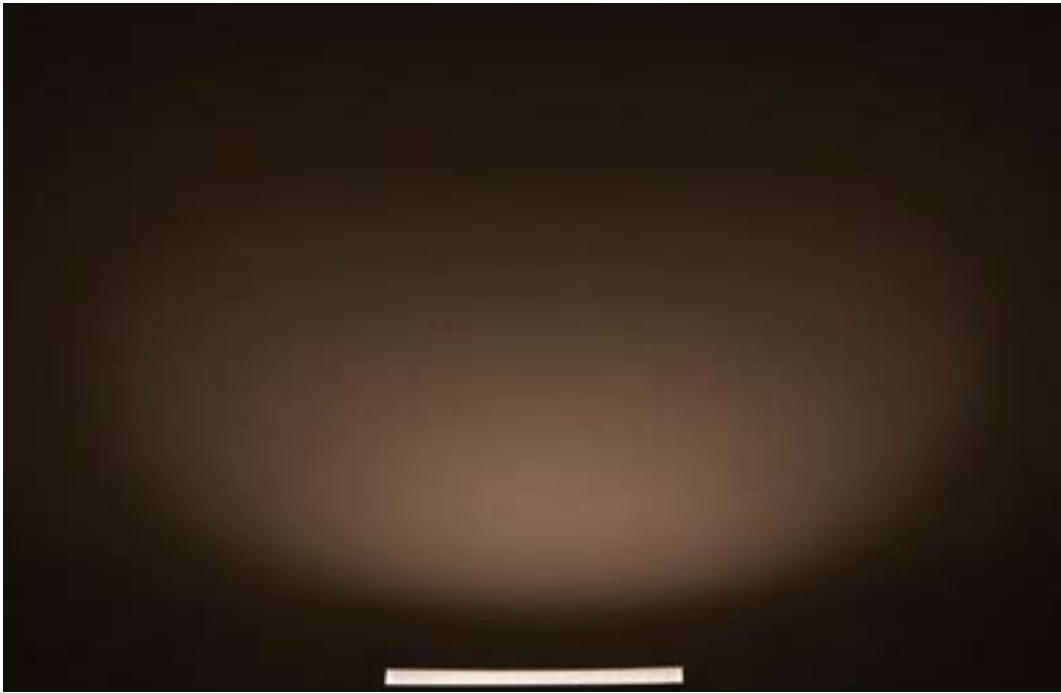
## Modular Combinations

For any customised requirements, ewoLightTiles can be combined vertically and horizontally. This results in an unlimited number of arrangements along the longitudinal axis or width.





TP08



TS11

Un confort visuel maximal avec la nouvelle optique plane révolutionnaire ewoLightTile. A fortiori lorsque l'on se trouve à proximité de la source lumineuse, la technologie de lentille garantit une distribution ciblée grâce à sa surface lumineuse large et homogène, qui rend les unités LED complètement invisibles.





BODY OF LIGHT



WALL  
IN1  
IN2  
IN3



A-Series (single 90° LED row) - V04



T-Series, 1–3 lighting units

CEILING,  
GROUND

IN1  
IN2  
IN3  
IN4  
IN5



A-Series, 1–5 lighting units (double LED rows) -V01



A-Series, 1–5 lighting units (single central LED row) -V02



A-Series, 1–3 lighting units (single, saggerd LED row) -V03



T-Series, 1–5 lighting units

SHAPE OF LIGHT



Precision lens optics  
\* also available in satiné version



AG01  
Symmetric Narrow 10°



AG02  
Symmetric Medium 26°



AG03  
Symmetric Flood 50°



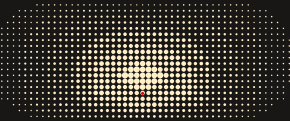
AG04  
Symmetric Elliptical 8°–40°



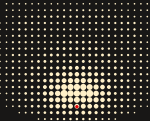
AH02\*  
Symmetric Wide Flood



AS07\*  
Asymmetric Side Throw



AP06\*  
Asymmetric Extra Forward



AP07\*  
Asymmetric Extra Forward



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 80



2,700 K  
CRI ≥ 80



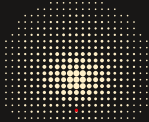
3,000 K  
CRI ≥ 80



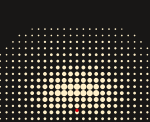
4,000 K  
CRI ≥ 80



ewoLighTile: low glare light-guiding panels



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward

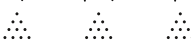


Tunable White  
CRI ≥ 80



RGBW

INTELLIGENCE OF LIGHT



Control protocols

ON/OFF	ON OFF
DALI	DALI
1–10 V	1–10V
Line Switch	LS

Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	



Control protocols

DALI 2 T8	T8 DALI
-----------	------------

Programming options

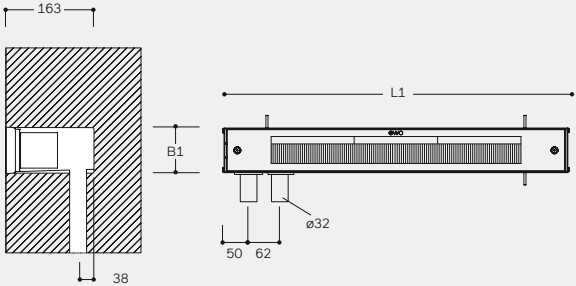
Night dimming
---------------

WALL  
IN 1  
IN 2  
IN 3

For area, walkway  
or indoor lighting

Configurator

CE IP66/IP67 RoHS IK10



Housing

Housing material	Aluminum
Housing finish	Coated black matt RAL 9005
Glass	Safety glass (ESG)
Mounting options	Wall
	Lighting unit adjustable +/- 5°

Measurements

Model	L1 [mm]	B1 [mm]	Weight [kg]①
IN 1	336	86	4.5
IN 2	496	86	6.5
IN 3	656	86	8.5
			① max. weight

Electrical






	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	500*	225
LED power max. [W]	31	36

\* IN 2, IN 3: 400 mA

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver

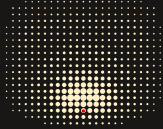
	A-Series	T-Series
Control options	   	
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



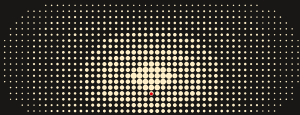
Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels



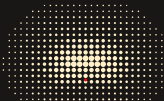
AP07\*  
Asymmetric Extra Forward



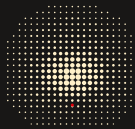
AP06\*  
Asymmetric Extra Forward



Shape your own light



TS11  
Asymmetric Side and Forward Throw



TP08  
Asymmetric Extra Forward



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70



Tunable White  
CRI ≥ 80



RGBW

Performance

Optics	AP07	AP06	TS11	TP08
MacAdam ellipses (SDCM)	≤ 3 SDCM		≤ 5 SDCM	

Model	IN 1	IN 2	IN3	IN 1	IN 2	IN 3
Light units	1	2	3	1	2	3
Luminous flux [lm]	210–620	410–1,000	620–1,500	900	1,800	2,700

Equipment variations

A-Series



IN 1: 1 lighting unit



IN 2: 2 lighting units



IN 3: 3 lighting units

T-Series



IN 1: 1 lighting unit



IN 2: 2 lighting units



IN 3: 3 lighting units

Accessories



Plasterkit



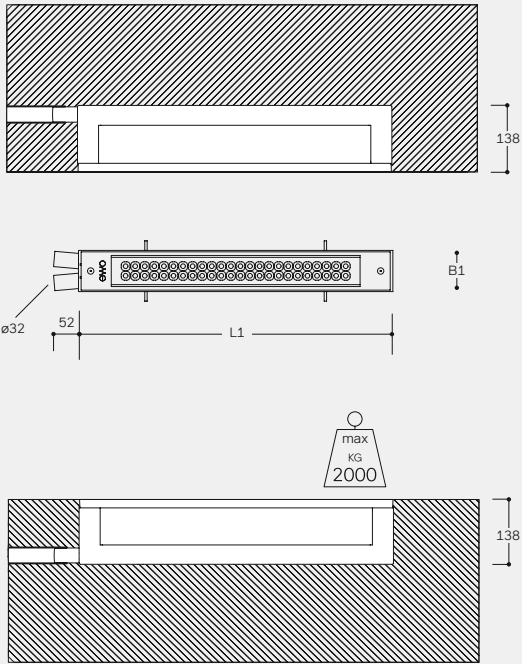
Stainless steel frame

CEILING, GROUND  
IN 1  
IN 2  
IN 3  
IN 4  
IN 5

For area, walkway  
or indoor lighting

Configurator

CECSIP66/IP67RoHSIK10



Housing

Housing material	Aluminum
Housing finish	Coated black matt RAL 9005
Glass	Safety glass (ESG)
Mounting options	Ceiling, ground
	Lighting unit adjustable +/- 5°

Measurements

Model	L1 [mm]	B1 [mm]	Weight [kg]①
IN 1*	337	86	4.5
IN 2*	497	86	6.5
IN 3*	657	86	8.5
IN 4	817	86	10.5
IN 5	977	86	12.5

\* IN 1-IN 3 for ceiling only

① max. weight

Electrical

	A-Series	T-Series
Protection class	I/II	I
Voltage [V], [Hz]	220–240, 50/60	220–240, 50/60
Current feed max. [mA]	500*	225
LED power max. [W]	87	60

\* IN 2, 3, 4: 400 mA  
IN 5: 350 mA

Driver

	A-Series	T-Series
Control options	ON/OFF, DALI, 1-10V, L/S	T8, DALI
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



ewoLightTile: low glare  
light-guiding panels



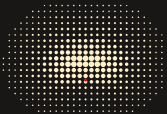
AG01  
Symmetric Narrow 10°



AG02  
Symmetric Medium 26°



AG03  
Symmetric Flood 50°



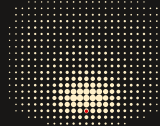
TS11  
Asymmetric Side and Forward Throw



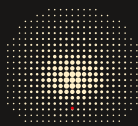
AG04  
Symmetric Elliptical 8°–40°



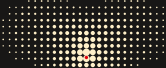
AH02\*  
Symmetric Wide Flood



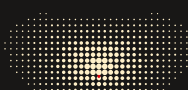
AP07\*  
Asymmetric Extra Forward



TP08  
Asymmetric Extra Forward



AS07\*  
Asymmetric Side Throw



AS08\*  
Asymmetric Side and Forward Throw



Shape your own light by combining  
any light distribution



2,200 K  
CRI ≥ 70



2,700 K  
CRI ≥ 70



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 70



Tunable White  
CRI ≥ 80



RGBW

Performance

Optics	AG01	AG02	AG03	AG04	AH02	AP07	AS07	AS08	TS11	TP08
MacAdam ellipses (SDCM)				≤ 3 SDCM						≤ 5 SDCM

Model	IN 1	IN 2	IN 3	IN 4	IN 5	IN 1	IN 2	IN 3	IN 4	IN 5
Light units	1	2	3	4	5	1	2	3	4	5
Luminous flux [lm]	340–2,100	670–3,500	1,000–5,300	1,400–7,000	1,700–7,900	900	1,800	2,700	3,600	4,600

Equipment variations

A-Series



IN 1: 1 lighting unit



IN 2: 2 lighting units



IN 3: 3 lighting units



IN 4: 4 lighting units



IN 5: 5 lighting units

T-Series



IN 1: 1 lighting unit



IN 2: 2 lighting units



IN 3: 3 lighting units



IN 4: 4 lighting units



IN 5: 5 lighting units

Accessories



Plasterkit



Stainless steel frame



Illuminazione per  
strade da altezze di  
montaggio molto  
basse p.es. ponti

 RAL 9005

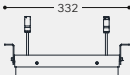
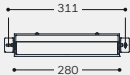
 ewo  
colo



RAZER with schermo



A-Series  
1 LED-unit



[Configurator](#)

    
IP66   RoHS   IK10

Housing

Housing material	Aluminum die-cast
Housing finish	Polyester powder coating* (ewoECP upon request**)
Finish standard colour	ewo colo* (shutter RAL 9005)
Glass	Polycarbonate cover
Mounting options	wall
Fixing	Stainless steel L-bracket
* other colo on request	
** ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	



Electrical

Protection class	II/ III
UNominal [Vdc]	25.6
Ucc max. [Vdc]	300
Current max. [mA]	1,000
LED power [W]	25.6

Driver (external)   Monochrome

Control Options	
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request

Measurements

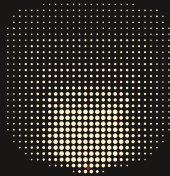
Model	 ①	 ②	Weight [kg] ③
RAZER + shielding	0.015*	0.019*	1.0
① Projected windage area [m²]			
② Lateral windage area [m²]			
③ Weight with L-bracket			
* Tilt 0°			

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------



Precision lens optics



AV01  
Asymmetric Extra Forward Grazing

Monochrome

 3,000 K  
CRI ≥ 70

CRI ≥ 80  
on request

Performance

Distribution	AG01
Beam angle	-
MacAdam ellipses (SDCM)	≤ 3 SDCM
Nr. of LEDs	8
Luminous flux [lm] (3,000 K)	1,400



PUBLIC SPACE

## ID

### Recessed handrail lighting system

Handrails appear in areas where public safety is important, such as stairs or before uneven or dangerous terrain. ID recessed handrail lighting adds an additional safety layer by lighting the potential trip hazards, keeping visitors safe. ID linear modules are available from one up to four LEDs and are fitted with A-Series high precision lens optics for walkway lighting.





↘ ID1, ID2, ID4



↘ ID4



Public space

Configurator

CE RoHS IK10  
Protection class III (<18 LED)



Housing

Housing material	ID1, ID2 and ID4 die-cast aluminium (EN44300)
Housing finish	Aluminium
Cover	PMMA

Measurements

Model	LEDs	L1 [mm]	Weight [kg]①
IDstandard	1-2 LEDs	125	0.18
IDstandard	4 LEDs	166	0.23

① max. weight without tube

Electrical

A-Series

Protection class	II/III
Voltage [V], [Hz]	-
Current feed max. [mA]	500
LED power max. [W]	6.0

Operating conditions

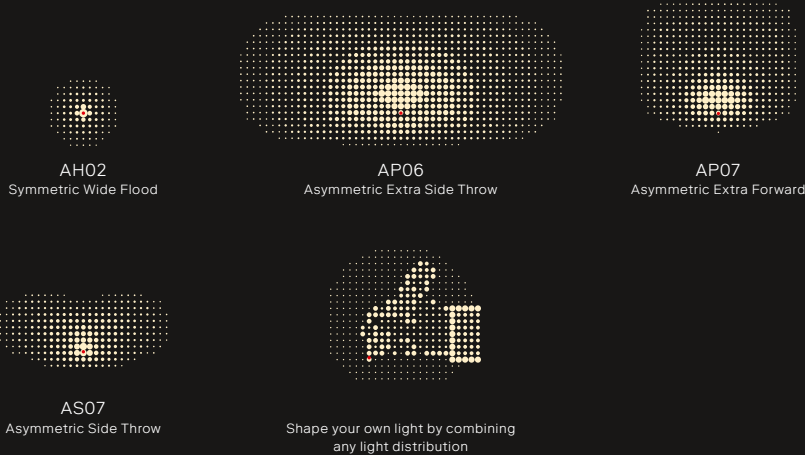
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver (external) A-Series

Control options	   
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone
Control accessories	Further accessories on request
Software	connexx light management software for remote management of intelligent luminaire clusters



Precision lens optics



2,200 K CRI ≥ 70 2,700 K CRI ≥ 70 3,000 K CRI ≥ 80 4,000 K CRI ≥ 70 CRI ≥ 80 on request

Performance

Optics	AH02	AP06	AP07	AS07
MacAdam ellipses (SDCM)		≤ 5 SDCM		

Model	IDstandard	IDstandard	IDstandard
Light units	1	2	4
Luminous flux [lm]	51–162	121–370	242–640

Equipment variations



IDstandard 1 LED



IDstandard 4 LEDs



IDstandard 2 LEDs



ARCHITECTURE AND THE ARTS  
PUBLIC SPACE

## R-Series

The R-Series family of in-ground projectors represents ewo's solution for architectural recessed lighting. Its clean design and the variety of available sizes make it suitable for a wide range of applications. The availability of lenses including spot, elliptical and flood optics, and the wide range of colour temperature choices, including RGBW, complete an offer dedicated to giving the most beautiful buildings their deserved prominence. With five sizes from 50 mm (single LED) to 200 mm (24 LED) in diameter, even the most demanding applications will find an answer in this product series. The R-Series can be configured with integral or external driver for applications with shallow recess areas.





50HERTZ TRANSMISSION HEADQUARTER  
Berlin, Germany, 2016  
Aurelia Design  
R60



CHURCH LA BASSÉE  
La Bassée, France, 2019  
HDR Germany, Matteo Thun & Partners  
R-Series





PUBLIC SPACE

## UP-Series

Hovering street furniture in  
timeless design

As far back as 2009, the Norwegian  
designer team NORWAY SAYS  
designed a product family for ewo with  
accent lighting to make urban spaces  
more appealing and durable.













Urban furniture

BOLLARDS

LB21



LB22



BD21



BD22



LITTER BINS

WR21



WR22

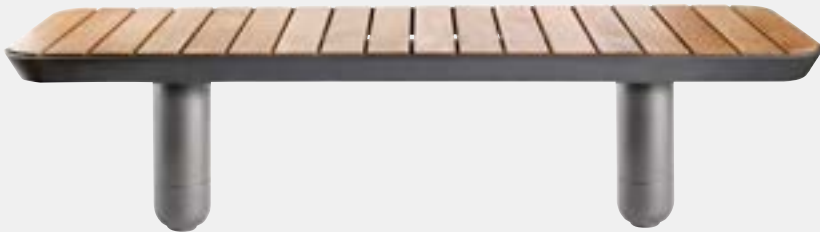


BD23



SEATING AREA

SB21



LB23



BR21



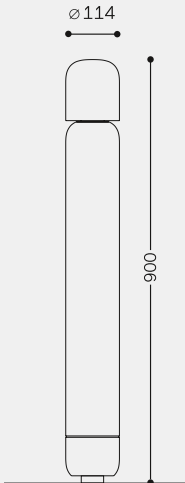
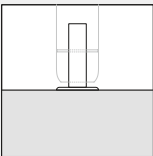
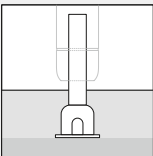
# Light Bollards

## LB21

Urban bollard with symmetric light distribution for illuminating open spaces. Additional accent lighting at ground level.



IP65 RoHS IK010



- Materials
- Bollard: stainless steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 2 lighting units each with 8 high-power LEDs
  - Lighting units in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Mounting options
- Buried mounting base
  - Direct floor mounting flange plate
  - Suitable for through-wiring electrical connection

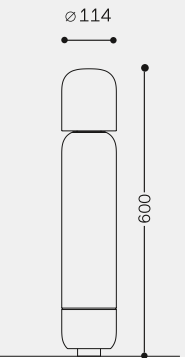
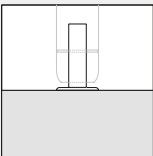
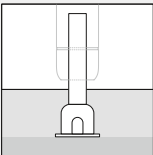
System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	10.5 kg

## LB22

Urban bollard with symmetric light distribution for illuminating open spaces, additional accent lighting at ground level.



IP65 RoHS IK010



- Materials
- Bollard: stainless steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 2 lighting units each with 8 high-power LEDs
  - Lighting units in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

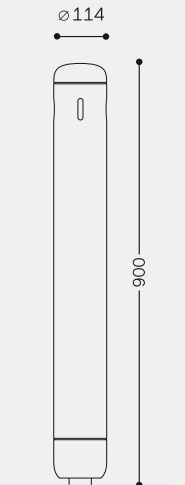
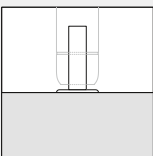
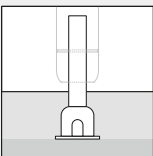
System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	8.5 kg

## BD21 BD22

Urban bollard (with chain fixture) for marking boundaries, additional accent lighting at ground level.



IP65 RoHS IK010

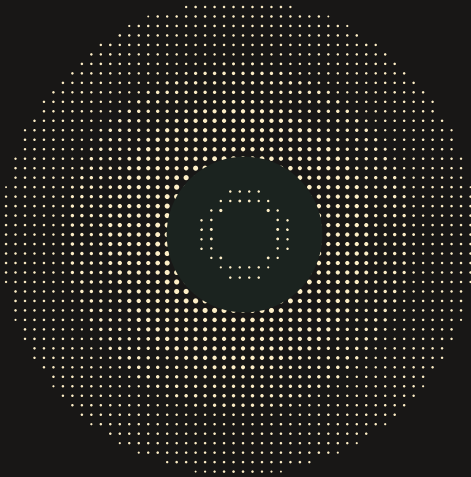
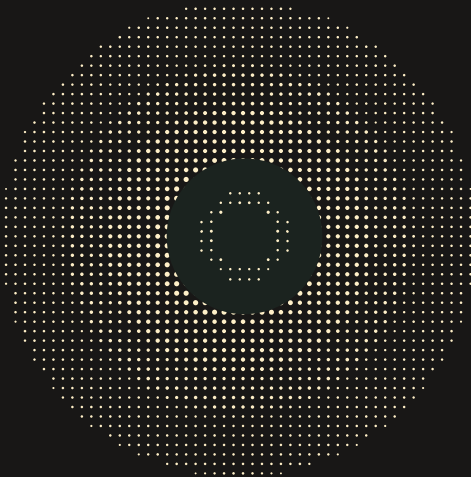


- Materials
- Bollard: stainless steel
  - Chain made of hot-dip galvanized steel (chain length to be defined)
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 1 lighting unit with 8 high-power LEDs
  - Lighting unit in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	8.5 W
Current feed	350 mA
Protection class	I or II
Weight	11.5 kg



4,000 K  $\approx 5$  SDCM (MacAdam ellipses)

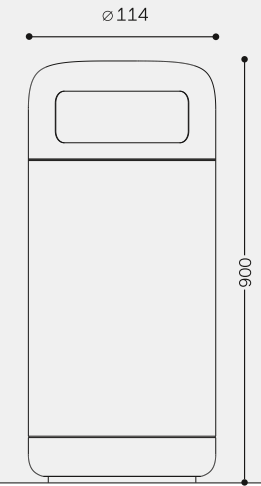
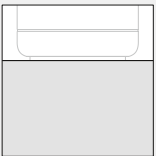
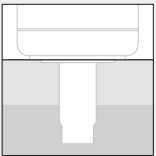
# Litter Bins

## WR21

Litter bin urban bollard with removable cover, capacity 45 l, additional accent lighting at ground level



IP65 RoHS IK010



- Materials
- Container in hot-dip galvanised steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: hot-dip galvanised steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 1 lighting unit with 16 high-power LEDs
  - Lighting unit in aluminum with transparent glass cover
  - Electronic control gear integrated

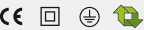
- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	35.5 kg

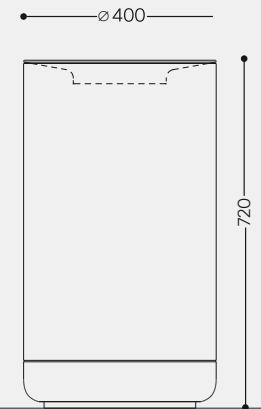
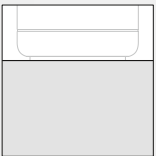
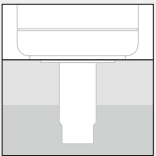


## WR22

Litter bin urban bollard with removable cover, capacity 45 l, additional accent lighting at ground level



IP65 RoHS IK010



- Materials
- Container in hot-dip galvanised steel
  - Upper cover in polished stainless steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: hot-dip galvanised steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 1 lighting unit with 16 high-power LEDs
  - Lighting unit in aluminum with transparent glass cover
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	30 kg

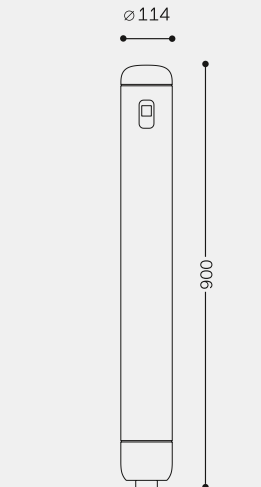
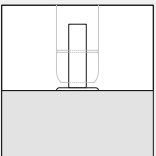
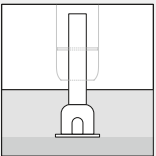


## BD23

Urban bollard with integrated ashtray, removable cover to aid emptying, additional accent lighting at ground level



IP65 RoHS IK010



- Materials
- Bollard: stainless steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 1 lighting unit with 8 high-power LEDs
  - Lighting unit in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	8.5 W
Current feed	350 mA
Protection class	I or II
Weight	11.5 kg



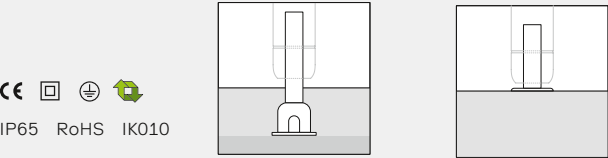
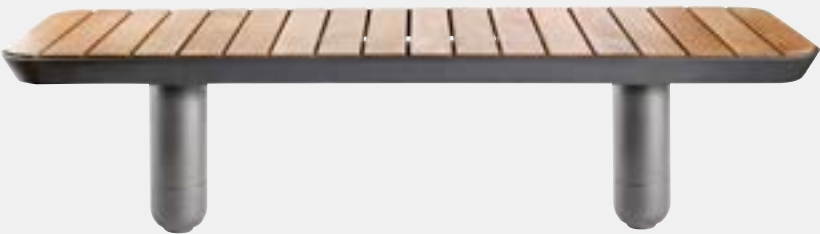
4,000 K  $\leq 5$  SDCM (MacAdam ellipses)



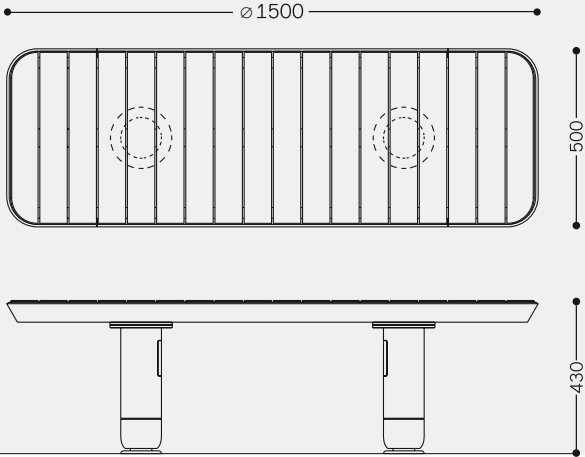
# Seating area

## SB21

Bench with additional accent lighting at ground level



CE RoHS IP65 IK010



- Materials
- Bench made of weatherproof wood
  - Frame in hot-dip galvanised steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

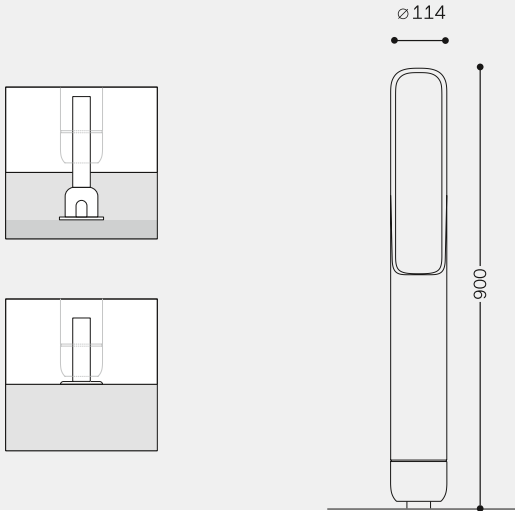
- Light source
- 2 lighting units each with 8 high-power LEDs
  - Lighting units in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	55 kg

## BR21

Bike rack urban bollard light with opening for the attachment of locks, additional accent lighting at ground level



CE RoHS IP65 IK010

- Materials
- Bollard: stainless steel and hot-dip galvanised steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: stainless steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

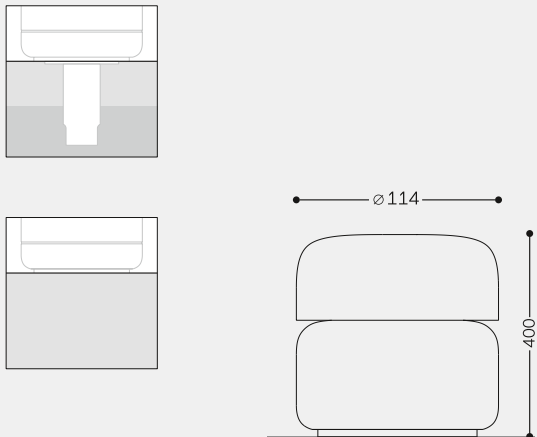
- Light source
- 1 lighting unit with 8 high-power LEDs
  - Lighting unit in aluminum, sealed with polyurethane resin
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	8.5 W
Current feed	350 mA
Protection class	I or II
Weight	11 kg

## LB23

Lighting bollard/seating with symmetric light distribution for illuminating open spaces, additional accent lighting at ground level



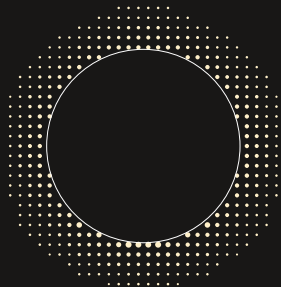
CE RoHS IP65 IK010

- Materials
- Bollard: hot-dip galvanised steel
  - Buried base: hot-dip galvanised steel
  - Flange plate: hot-dip galvanised steel
  - Finish: polyester powder coating in anthracite finish (DB 703), other colours available upon request

- Light source
- 1 lighting unit with 16 high-power LEDs
  - Lighting unit in aluminum with transparent glass cover
  - Electronic control gear integrated

- Assembly variations
- Flush-mounted: buried base
  - Surface-mounted: flange plate
  - Designed for feed-through wiring

System wattage	17.1 W
Current feed	350 mA
Protection class	I or II
Weight	12 kg



4,000 K ≈ 5 SDCM (MacAdam ellipses)

R50



1 high-power LED

R90



4 high-power LEDs

R130



8 high-power LEDs

R160



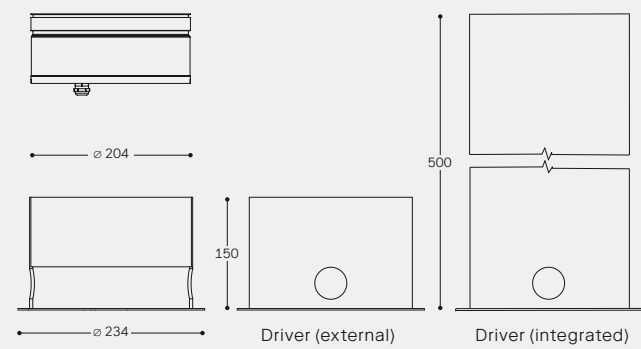
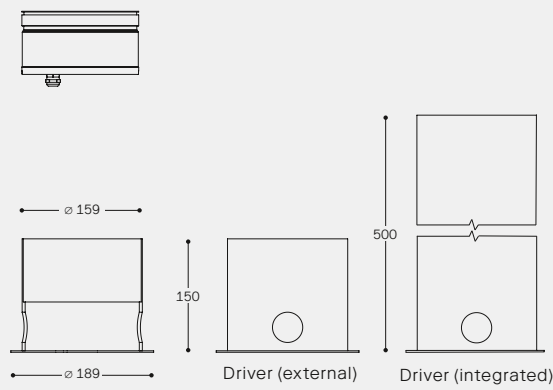
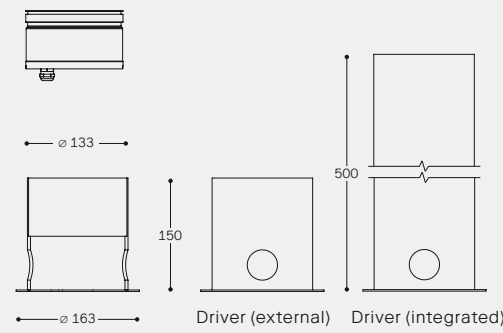
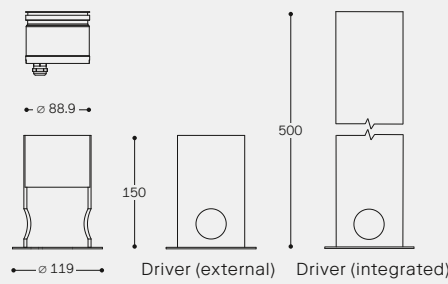
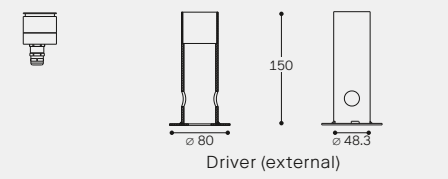
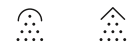
16 high-power LEDs

R200



24 high-power LEDs

BODY OF LIGHT



SHAPE OF LIGHT



INTELLIGENCE OF LIGHT



Control protocols

ON/OFF	ON OFF
DALI 2	DALI
1–10 V	1–10V
Line Switch	LS

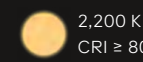
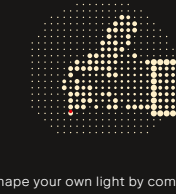
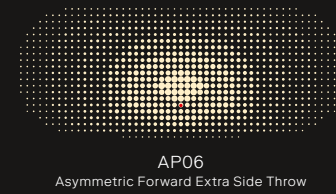
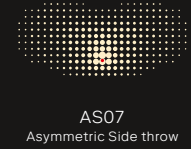
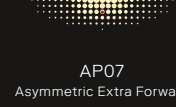
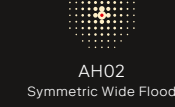
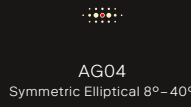
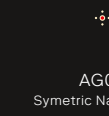
Programming options

CLO	Constant Lumen Output
AC/DC	Emergency power supply
Stand-alone	

RGBW

Control protocols

ON/OFF	ON OFF
DALI 2	DALI
DMX–RDM	DMX



R50

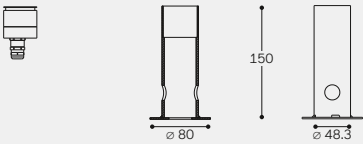
In-ground luminaires  
Architectural lighting  
Object and effect lighting  
Floor mounting



Configurator



IP67   RoHS   IK10



Housing

Housing material	Aluminum, stainless steel
Housing finish	Internally black matt coated RAL 9005
Cover	Tempered safety glass (3,000 kg pressure load capacity)
Screws	Stainless steel
Cable	Pre-wired supply cable 0.50 m, complete with water stop device, cable gland

Measurements

Model		Weight [kg]①
R50	without driver	0.5
		① max. weight

Electrical

A-Series

Protection class	III
Voltage [V], [Hz]	-
Current feed max. [mA]	500
LED power max. [W]	1.5

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver (external)

A-Series

Control options	
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone
Control accessories	Further accessories on request
Software	connexx light management software for remote management of intelligent luminaire clusters



Precision lens optics



Shape your own light bycombining  
any light distributions



2,200 K  
CRI ≥ 80



2,700 K  
CRI ≥ 80



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 80

Performance

Optics	AG01	AG02	AG03	AG04	AH02
Beam angle	10°	26°	50°	10 – 40°	60°
MacAdam ellipses (SDCM)	≤ 3 SDCM				
Model	R50				
Nr. of LEDs	1				
Luminous flux [lm]	50–150				

Equipment variations



R50 without internal driver



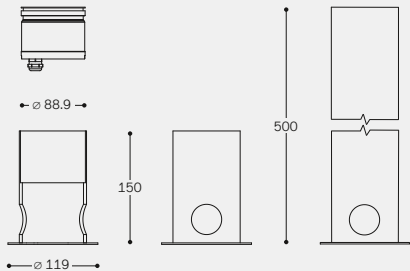
In-ground luminaires  
Architectural lighting  
Object and effect lighting  
Floor mounting



Configurator



IP67   RoHS   IK10



Housing

Housing material	Aluminum, stainless steel
Housing finish	Internally black matt coated RAL 9005
Cover	Tempered safety glass (3.000 kg pressure load capacity)
Screws	Stainless steel
Cable	Pre-wired supply cable 0.50 m, complete with water stop device, cable gland
Lighting unit	Steplessly adjustable ± 15° in all directions

Measurements

Model		Weight [kg]①
R90	without driver	2.0
R90	complete with driver	5.5
		① max. weight

Electrical








	A-Series	RGBW
Protection class	I / II / III	I / II / III
Voltage [V], [Hz]	220–240, 50/60*	Driver external
Current feed max. [mA]	500	500
LED power max. [W]	6.1	6.1

\* with integrated driver

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver (external)

	A-Series	RGBW
Control options	   	  
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics



AG01  
Symetric Narrow 10°



AG02  
Symmetric Medium 26°



AG03  
Symmetric Flood 50°



AG04  
Symmetric Elliptical 8°– 40°



AH02  
Symmetric Wide Flood 60°



Shape your own light by combining  
any light distributions



2,200 K  
CRI ≥ 80



2,700 K  
CRI ≥ 80



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 80



RGBW

Performance

Optics	AG01	AG02	AG03	AG04	AH02
Beam angle	10°	26°	50°	10 – 40°	60°
MacAdam ellipses (SDCM)	≤ 3 SDCM				
Model	R90				
Nr. of LEDs	4				
Luminous flux [lm]	200–600				

Equipment variations



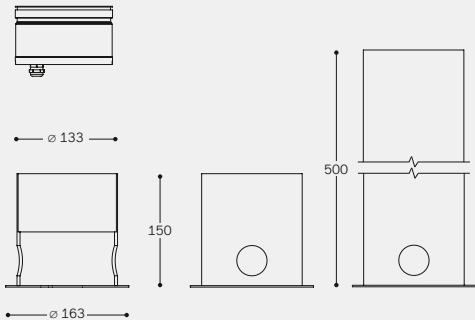
R90 without internal driver



R90 with internal driver

R130

In-ground luminaires  
Architectural lighting  
Object and effect lighting  
Floor mounting



1:10

Configurator



IP67   RoHS   IK10

Housing

Housing material	Aluminum, stainless steel
Housing finish	Internally black matt coated RAL 9005
Cover	Tempered safety glass (3.000 kg pressure load capacity)
Screws	Stainless steel
Cable	Pre-wired supply cable 0.50 m, complete with water stop device, cable gland
Lighting unit	Steplessly adjustable $\pm 15^\circ$ in all directions

Measurements

Model		Weight [kg]①
R130	without driver	3.5
R130	complete with driver	8.5

① max. weight

Electrical

	A-Series	RGBW
Protection class	I / II / III	I / II / III
Voltage [V], [Hz]	220–240, 50/60*	Driver external
Current feed max. [mA]	500	500
LED power max. [W]	12.0	12.0

\* with integrated driver

Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

Driver (external)

	A-Series	RGBW
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics



AG01  
Symetric Narrow 10°



AG02  
Symmetric Medium 26°



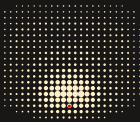
AG03  
Symmetric Flood 50°



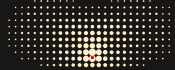
AG04  
Symmetric Elliptical 8°–40°



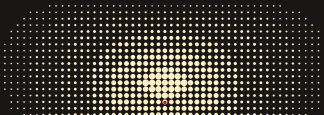
AH02  
Symmetric Wide Flood 60°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side throw



AP06  
Asymmetric Forward Extra Side Throw



Shape your own light by combining  
any light distributions



2,200 K  
CRI  $\geq 80$



2,700 K  
CRI  $\geq 80$



3,000 K  
CRI  $\geq 80$



4,000 K  
CRI  $\geq 80$



RGBW

Performance

Optics	AG01	AG02	AG03	AG04	AH02	AP07	AS07	AP06
Beam angle	10°	26°	50°	10–40°	60°	-	-	-
MacAdam ellipses (SDCM)								
$\leq 3$ SDCM								
Model	R130							
Nr. of LEDs	8							
Luminous flux [lm]	310–1,200							

Equipment variations



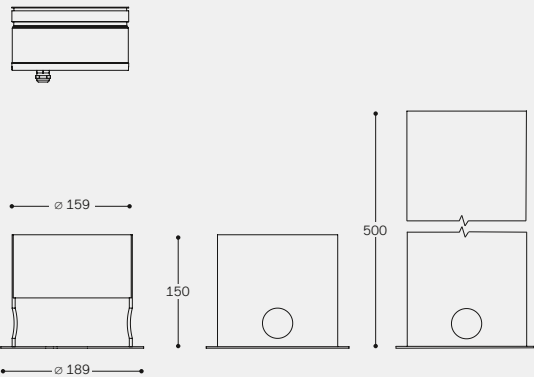
R130 without internal driver



R130 with internal driver

R160

In-ground luminaires  
Architectural lighting  
Object and effect lighting  
Floor mounting



Configurator

CE RoHS IP67 IK10

Housing	
Housing material	Aluminum, stainless steel
Housing finish	Internally black matt coated RAL 9005
Cover	Tempered safety glass (3,000 kg pressure load capacity)
Screws	Stainless steel
Cable	Pre-wired supply cable 0.50 m, complete with water stop device, cable gland
Lighting unit	Steplessly adjustable $\pm 15^\circ$ in all directions

Measurements		
Model		Weight [kg]Ⓢ
R160	without driver	6.5
R160	complete with driver	10.5
		Ⓢ max. weight

Electrical	A-Series	RGBW
Protection class	I / II / III	I / II / III
Voltage [V], [Hz]	220–240, 50/60*	Driver external
Current feed max. [mA]	400	400
LED power max. [W]	19.0	19.0

\* with integrated driver

Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver (external)	A-Series	RGBW
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics



AG01  
Symetric Narrow 10°



AG02  
Symmetric Medium 26°



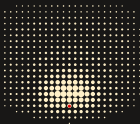
AG03  
Symmetric Flood 50°



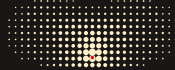
AG04  
Symmetric Elliptical 8°–40°



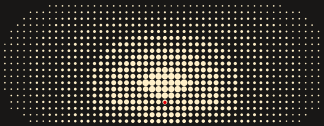
AH02  
Symmetric Wide Flood 60°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side throw



AP06  
Asymmetric Forward Extra Side Throw



Shape your own light by combining  
any light distributions



2,200 K  
CRI  $\geq 80$



2,700 K  
CRI  $\geq 80$



3,000 K  
CRI  $\geq 80$



4,000 K  
CRI  $\geq 80$



RGBW

Performance

Optics	AG01	AG02	AG03	AG04	AH02	AP07	AS07	AP06
Beam angle	10°	26°	50°	10 – 40°	60°	-	-	-
MacAdam ellipses (SDCM)								
$\leq 3$ SDCM								
Model	R160							
Nr. of LEDs	16							
Luminous flux [lm]	620–2,020							

Equipment variations



R160 without internal driver

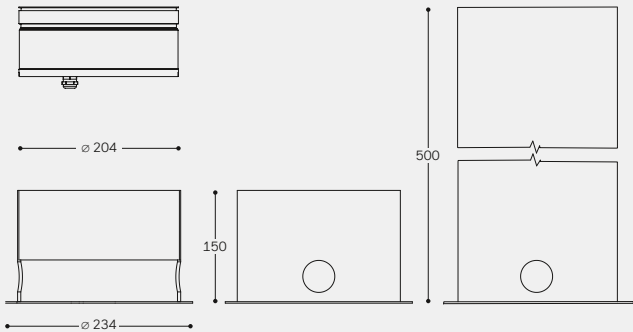


R160 with internal driver



R200

In-ground luminaires  
Architectural lighting  
Object and effect lighting  
Floor mounting



Configurator

CE RoHS IP67 IK10

Housing	
Housing material	Aluminum, stainless steel
Housing finish	Internally black matt coated RAL 9005
Cover	Tempered safety glass (3,000 kg pressure load capacity)
Screws	Stainless steel
Cable	Pre-wired supply cable 0.50 m, complete with water stop device, cable gland
Lighting unit	Steplessly adjustable ± 15° in all directions

Measurements		
Model		Weight [kg]Ⓢ
R200	without driver	7.5
R200	complete with driver	12.0
		Ⓢ max. weight

Electrical	A-Series	RGBW
Protection class	I / II	I / II
Voltage [V], [Hz]	220–240, 50/60*	Driver external
Current feed max. [mA]	400	400
LED power max. [W]	29.0	29.0
	* with integrated driver	

Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver (external)	A-Series	RGBW
Control options		
Programming [optional]	Constant Lumen Output (CLO) Emergency power supply (AC/DC) Stand-alone	
Control accessories	Further accessories on request	
Software	connexx light management software for remote management of intelligent luminaire clusters	



Precision lens optics  
\* also available in satiné version



AG01  
Symetric Narrow 10°



AG02  
Symmetric Medium 26°



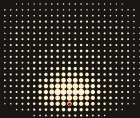
AG03  
Symmetric Flood 50°



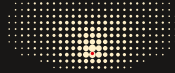
AG04  
Symmetric Elliptical 8°– 40°



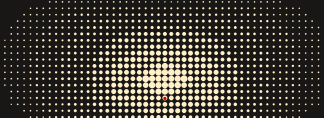
AH02  
Symmetric Wide Flood 60°



AP07  
Asymmetric Extra Forward



AS07  
Asymmetric Side throw



AP06  
Asymmetric Forward Extra Side Throw



Shape your own light by combining  
any light distributions



2,200 K  
CRI ≥ 80



2,700 K  
CRI ≥ 80



3,000 K  
CRI ≥ 80



4,000 K  
CRI ≥ 80



RGBW

Performance

Optics	AG01	AG02	AG03	AG04	AH02	AP07	AS07	AP06
Beam angle	10°	26°	50°	10 – 40°	60°	-	-	-
MacAdam ellipses (SDCM)								
≤ 3 SDCM								
Model	R200							
Nr. of LEDs	24							
Luminous flux [lm]	930–3,030							

Equipment variations

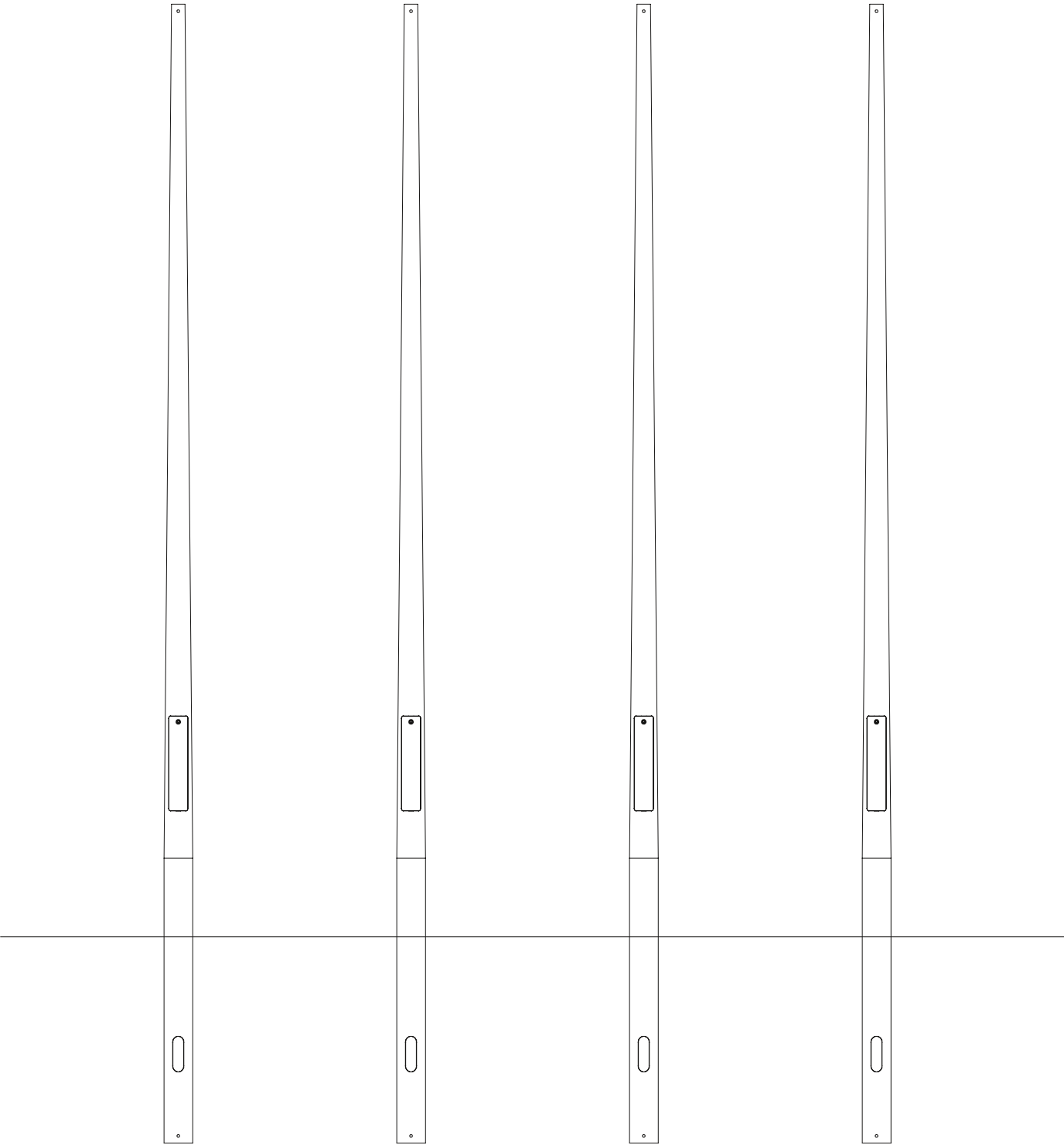


R200 without internal driver



R200 with internal driver

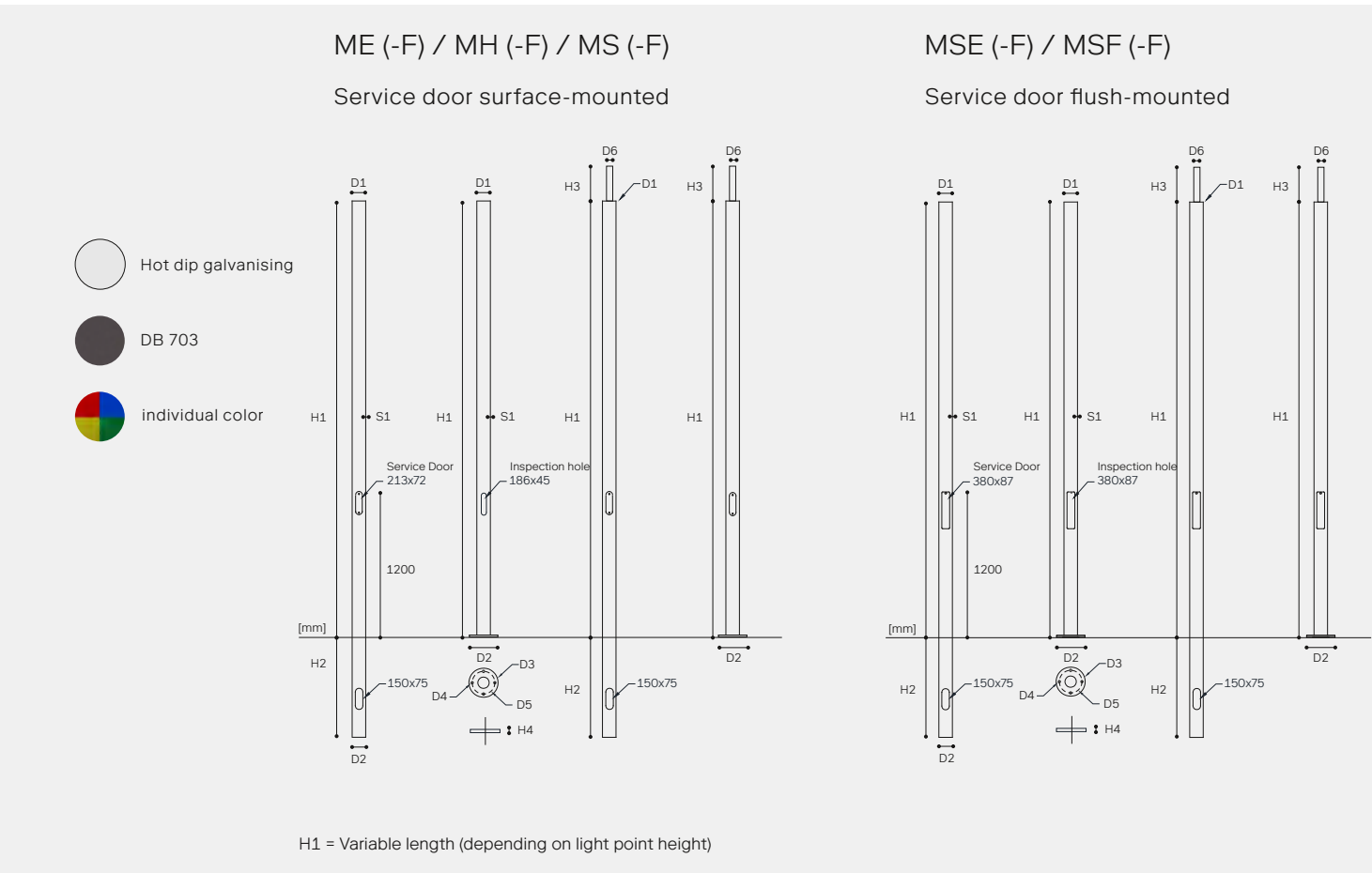
Poles



ewo develops complete lighting solutions. These also include the production of poles. In so doing, we ensure the ideal interaction of the individual components, from the mechanical interfaces to the matching finish. Changes to the mounting heights are effortless, and with additional adaptations such as the application of revised openings or special mounting variations, we are just as flexible. Additionally, at our facilities in Kurtatsch/Cortaccia as well as our metal manufacturing plant that is still active in Sarnthein, we create custom pole constructions with a great demand upon the creative and handcrafted qualities.

All of the poles meet high standards of quality. The light poles are certified according to the European standard EN 40-5. Welding parameters as well as other requirements that are essential to the structural engineering are tested during regular independent audits.

Cylindrical Poles



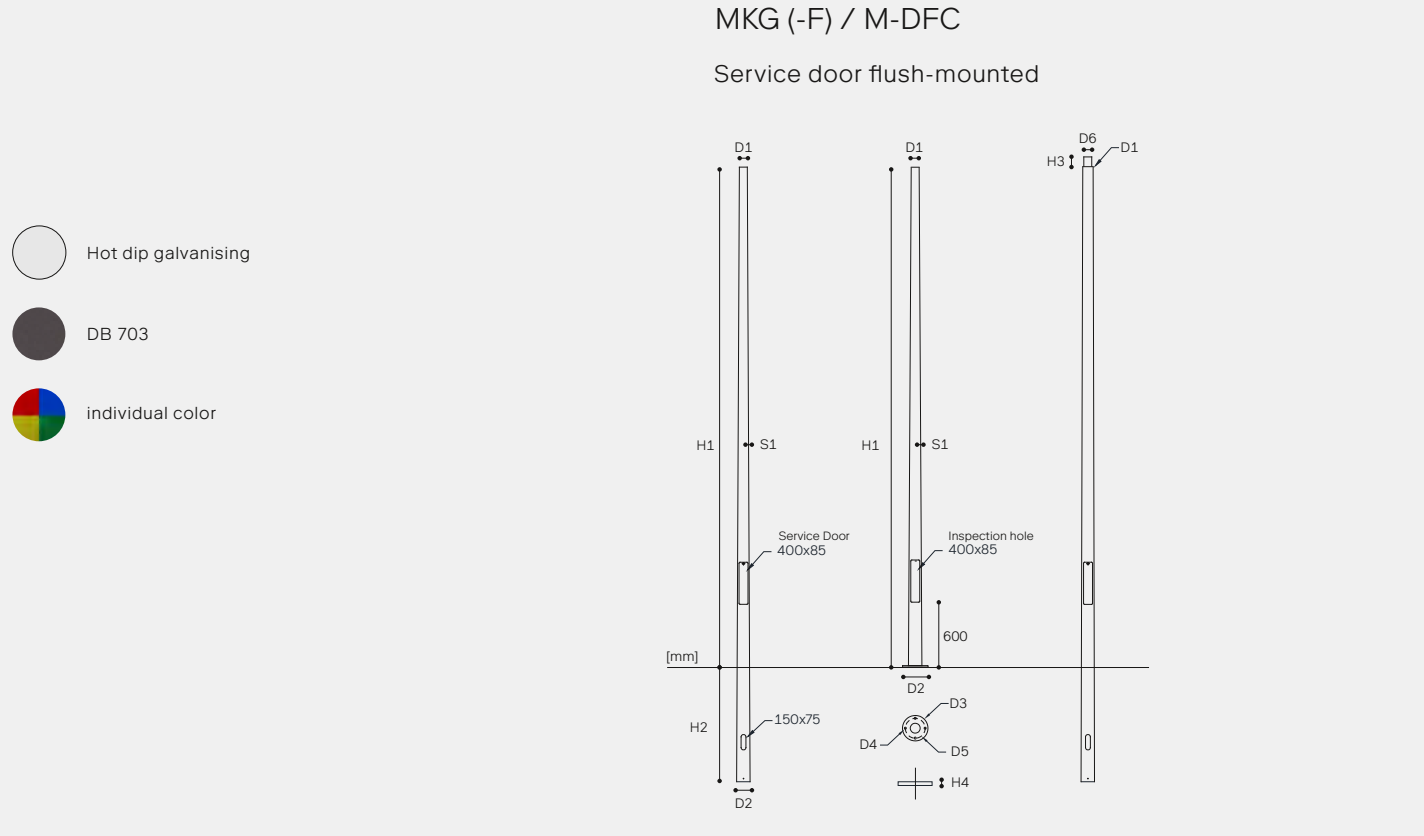
ME (-F) / MH (-F) / MS (-F)	
Pole material	steel Fe510C secondo UNI EN 10219 S355JO
Processing	without any longitudinal seam
Finish surface	Hot-dip galvanized steel/ Polyester powder coating (ewoECP su richiesta*)
Mounting options	Buried base or with flange

MSE (-F) / MSF (-F)	
Pole material	steel Fe510C secondo UNI EN 10219 S355JO
Processing	without any longitudinal seam
Finish surface	Hot-dip galvanized steel/ Polyester powder coating (ewoECP su richiesta*)
Mounting options	Buried base or with flange

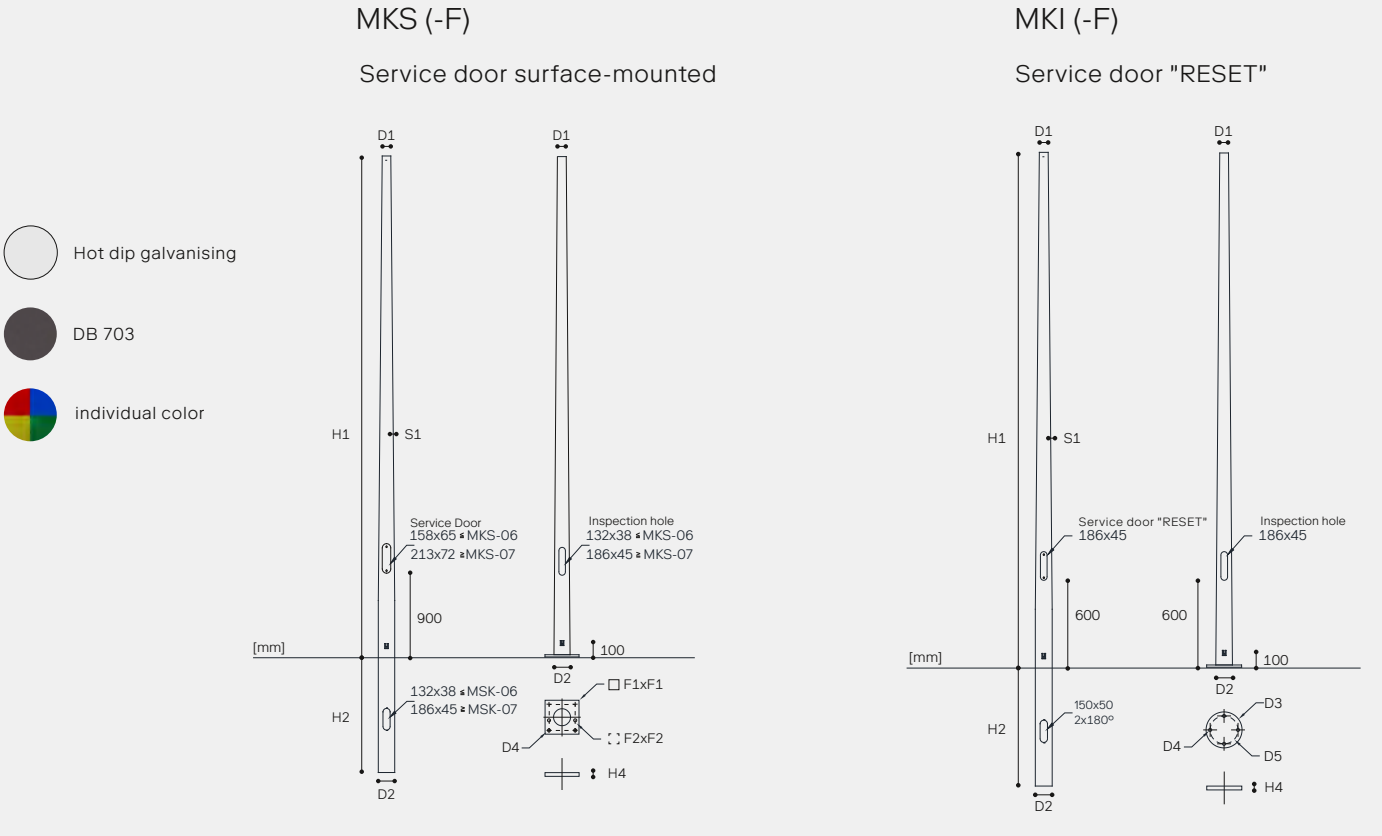
\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Pole	D1	D6	H2	H3	D3	D5	D4	H4	S1	kg/m
MH1 (-F)	114.3	88,9	800 (0)	140	240	186	21	15	4	12.8
ME1 (-F)	114.3	/	800 (0)	/	240	186	21	15	4	12.8
MS (-F)	133.0	/	1,000 (0)	/	240	186	21	15	4	13.5
MH4 (-F)	114.3	76,1	800 (0)	85	240	186	21	15	4	12.8
MS2 (-F)	133.0	114,3	1,000 (0)	90	240	186	21	15	4	13.5
MS4 (-F)	133.0	/	1,200 (0)	/	240	186	21	15	4	13.5
MS6 (-F)	133.0	114,3	1,200 (0)	90	240	186	21	15	4	13.5
MS8 (-F)	133.0	76,1	1,000 (0)	85	240	186	21	15	4	13.5
MS10 (-F)	133.0	/	800 (0)	/	240	186	21	15	4	13.5
MS11 (-F)	133.0	114,3	800 (0)	90	240	186	21	15	4	13.5
MSF (-F)	133.0	76	1,000 (0)	85	240	186	21	15	4	13.5
MSE (-F)	114.3	/	800 (0)	/	240	186	21	15	4	12.8
MSE1 (-F)	114.3	89	800 (0)	140	240	186	21	15	4	12.8
MSE2 (-F)	114.3	76	800 (0)	85	240	186	21	15	4	12.8
MSF4 (-F)	133.0	114	800 (0)	90	240	186	21	15	4	13.5
MSF8 (-F)	133.0	/	1,000 (0)	/	240	186	21	15	4	13.5
MSF9 (-F)	133.0	/	1,200 (0)	/	240	186	21	15	4	13.5
MSF10 (-F)	133.0	114	1,200 (0)	90	240	186	21	15	4	13.5
MSF11 (-F)	133.0	/	800 (0)	/	240	186	21	15	4	13.5
MSF13 (-F)	133.0	114	1,000 (0)	90	240	186	21	15	4	13.5

Conical poles



Conical poles



MKG (-F) / M-DFC (-F) not aimed at the Italian market

Pole material	steel HSP 275 JR UNI EN 10025
Processing	without any longitudinal seam
Finish surface	Hot-dip galvanized steel/ Polyester powder coating (ewoECP su richiesta*)
Mounting options	Buried base or with flange

\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

Pole	H1	H3	D1	H2	D2	D6	D3	D5	D4	H4	S1	kg
MKG-01 (-F)	3,500	/	60	800 (0)	114.3	/	240	186	21	15	3.4	35.9 (32.8)
MKG-02 (-F)	4,000	/	60	800 (0)	127.0	/	240	186	21	15	3.6	45.6 (41.2)
MKG-03 (-F)	4,500	/	60	800 (0)	127.0	/	240	186	21	15	3.6	50.0 (45.3)
MKG-04 (-F)	5,000	/	60	800 (0)	127.0	/	240	186	21	15	3.6	54.3 (49.9)
MKG-05 (-F)	5,500	/	60	800 (0)	127.0	/	240	186	21	15	3.6	58.7 (54.2)
MKG-06 (-F)	6,000	/	60	800 (0)	127.0	/	240	186	21	15	3.6	63.1 (58.6)
MKG-07 (-F)	4,000	/	76	800 (0)	127.0	/	240	186	21	15	3.6	48.3 (43.9)
MKG-08 (-F)	5,000	/	76	800 (0)	127.0	/	240	186	21	15	3.6	57.8 (53.3)
MKG-09 (-F)	6,000	/	76	800 (0)	127.0	/	240	186	21	15	3.6	67.8 (62.8)
MKG-10 (-F)	7,000	/	76	1,000 (0)	152.4	/	325	272	21	15	4.0	99.5 (93.1)
MKG-11 (-F)	8,000	/	76	1,000 (0)	152.4	/	325	272	21		4.0	111.3 (104.9)
MKG-12 (-F)	9,000	/	76	1,200 (0)	168.3	/	325	272	21		4.0	134.9 (123.7)
MKG-13 (-F)	10,000	/	76	1,200 (0)	168.3	/	325	272	21		4.0	147.6 (136.4)
M-DFC-13	5,000	90	97	800	127.0	76	/	/	21		3.6	57.8
M-DFC-14	6,000	90	97	800	127.0	76	/	/	21		3.6	67.2
M-DFC-15	7,000	90	97	1,000	152.4	76	/	/	21		4.0	99.5

MKS (-F)

Pole material	steel S235 JR UNI EN 10025
Processing	visible longitudinal weld seam
Finish surface	Hot-dip galvanized steel/ Polyester powder coating (ewoECP su richiesta**)
Mounting options	Buried base or with flange

Pole	H1	D1	H2	D2	F1×F1	F2×F2	D4	H4	S1	kg
MKS-01 (-F)	3,000	60	500 (0)	95 (90)	260 × 260	200 × 200	22	10	3	21 (23)
MKS-02 (-F)	3,500	60	500 (0)	100 (95)	260 × 260	200 × 200	22	10	3	24 (27)
MKS-03 (-F)	4,000	60	500 (0)	105 (100)	260 × 260	200 × 200	22	10	3	28 (31)
MKS-04 (-F)	4,500	60	500 (0)	110 (105)	260 × 260	200 × 200	22	10	3	32 (35)
MKS-05 (-F)	5,000	60	500 (0)	115 (110)	260 × 260	200 × 200	22	10	3	36 (39)
MKS-06 (-F)	5,500	60	500 (0)	120 (115)	260 × 260	200 × 200	22	10	3	41 (43)
MKS-07 (-F)	6,000	60	800 (0)	128 (120)	260 × 260	200 × 200	22	10	4	64 (62)
MKS-08 (-F)	7,000	60	800 (0)	138 (130)	260 × 260	200 × 200	22	10	4	77 (75)
MKS-09 (-F)	8,000	60	800 (0)	148 (140)	300 × 300	220 × 220	25	15	4	91 (95)
MKS-10 (-F)	9,000	60	800 (0)	158 (150)	300 × 300	220 × 220	25	15	4	107 (110)
MKS-11 (-F)	10,000	60	800 (0)	168 (160)	300 × 300	220 × 220	25	15	4	123 (126)

MKI (-F) dedicated to the Italian market

Pole material	steel S275JR UNI EN 10025
Processing	without any longitudinal seam
Finish surface	Hot-dip galvanized steel/ Polyester powder coating (ewoECP su richiesta*)
Mounting options	Buried base or with flange

\* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance

MKI-01 (-F)	3,500	60	800 (0)	114.3 (=)	240	186	21	15	3,4	35.9 (32.8)
MKI-02 (-F)	4,000	60	800 (0)	114.3 (=)	240	186	21	15	3,6	42.1 (41.2)
MKI-03 (-F)	4,500	60	800 (0)	114.3 (=)	240	186	21	15	3,6	46.1 (45.5)
MKI-04 (-F)	5,000	60	800 (0)	114.3 (=)	240	186	21	15	3,6	50.2 (49.9)
MKI-05 (-F)	5,500	60	800 (0)	114.3 (=)	240	186	21	15	3,6	54.3 (54.2)
MKI-06 (-F)	6,000	60	800 (0)	114.3 (=)	240	186	21	15	3,6	58.3 (58.6)
MKI-07 (-F)	7,000	76	1,000 (0)	152.4 (=)	325	272	21	15	4,0	99.5 (93.1)
MKI-08 (-F)	8,000	76	1,000 (0)	152.4 (=)	325	272	21	15	4,0	111 (104.9)
MKI-09 (-F)	9,000	76	1,200 (0)	168.3 (=)	325	272	21	15	4,0	135 (123.7)
MKI-10 (-F)	10,000	76	1,200 (0)	168.3 (=)	325	272	21	15	4,0	147.5 (136.4)







## R-System gen4

A new generation

The R1, R2 and R4 luminaires of the R-System have undergone a thorough update. Stronger current and more light now replace the 3rd generation flood-lights. Rectangular or round, with mounted or loose driver, with A-Series or E-Series lenses. Reduced stray light and optics that adapt to the market and application needs. This update has power in it!







# R-System gen4

E-Series



BODY OF LIGHT



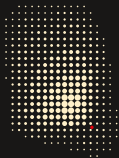
SHAPE OF LIGHT



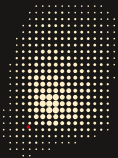
INTELLIGENCE OF LIGHT



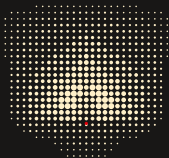
Precision lens optics



EP09-L  
Asymmetric Extra Forward  
Left



EP09-R  
Asymmetric Extra Forward  
Right



EP09-L/R  
Asymmetric Extra Forward  
Left/Right



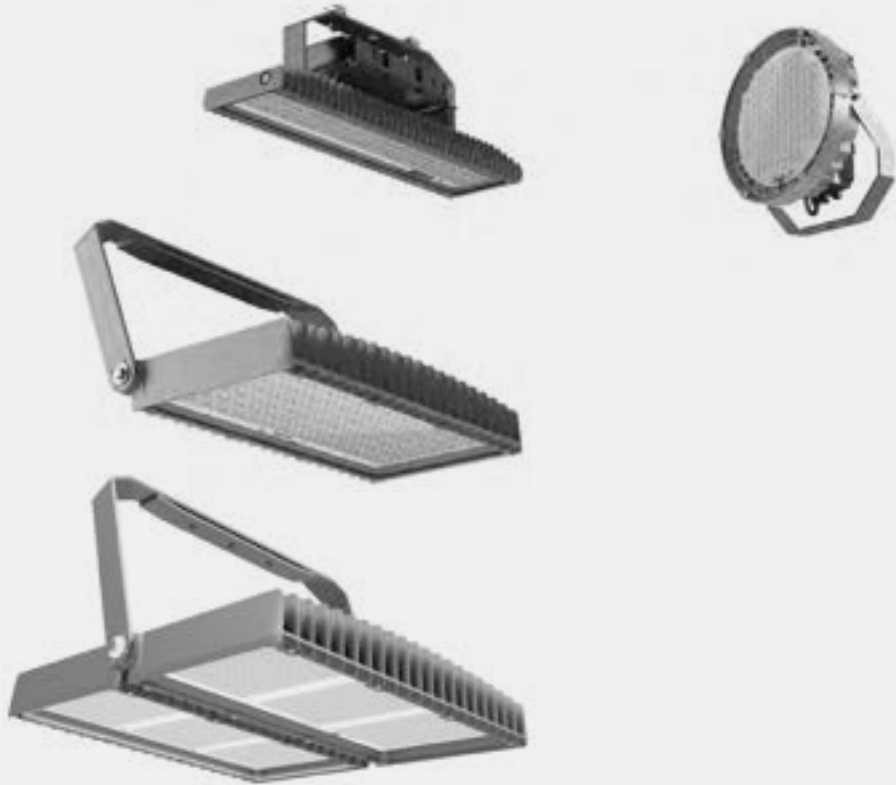
Control protocols

ON/OFF	
1-10 V	
DALI 2	
Zhaga Book 18	
Line Switch	

Programming options

Stand-alone
CLO      Constant Lumen Output

A-Series



Precision lens optics



AG01  
Symmetric Narrow 12°



AG02  
Symmetric Medium 27°



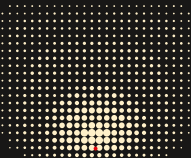
AG03  
Symmetric Flood 48°



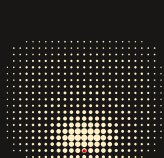
AG04  
Symmetric Elliptical 10°x40°



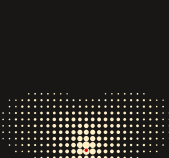
AH02  
Symmetric Wide Flood 60°



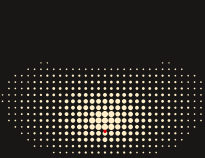
AP05  
Asymmetric Extra Forward



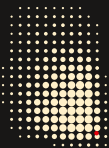
AP07  
Asymmetric Extra Forward



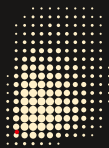
AS07  
Asymmetric Side Throw



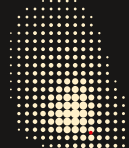
AS08  
Asymmetric Side and Forward Throw



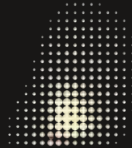
AP04-L  
Asymmetric Extra Forward – Left



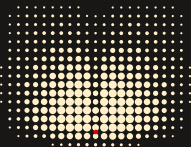
AP04-R  
Asymmetric Extra Forward – Right



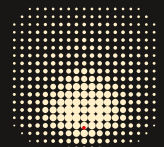
AP10-L  
Asymmetric Extra Forward – Left



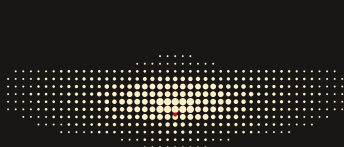
AP10-R  
Asymmetric Extra Forward – Right



AP04-LR  
Asymmetric Extra Forward – Right



AP10-L/R  
Asymmetric Extra Forward – Right



AS06  
Asymmetric Extra Side Throw



Control protocols

ON/OFF	
1-10 V	
DALI 2	
Zhaga Book 18	
Line Switch	
DMX-RDM	

Programming options

Stand-alone
CLO      Constant Lumen Output

# R-System gen4

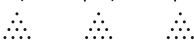
BODY OF LIGHT



SHAPE OF LIGHT



INTELLIGENCE OF LIGHT



R1 round (A-Series)

Airports,  
Harbor  
Logistics centers  
Sports facilities

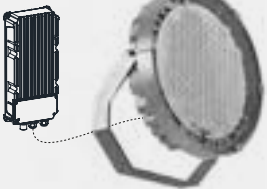
Without powder  
coating

R1 with driver installed

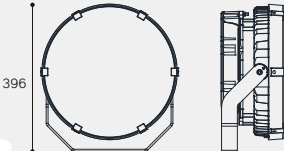
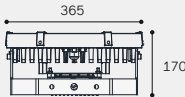


220 V-480 V (IP66)

R1 with driver remote



220 V-480 V (IP66)



[Configurator](#)

CE IP66 RoHS IK08

## Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Stainless steel mounting bracket

## Measurements

Model	①	②	Weight [kg]
R1 round	0.03	0.1	8.3
R1 round + Driver	0.057	0.1	12.0
① Projected windage area [m²]			
② Lateral windage area [m²]			

## Electrical

A-Series

Protection class	I
Voltage [V], [Hz]	220-480, 50 /60
Current max. [mA]	PMMA: 800 mA. PC: 1,100 mA
Power max. [W]	440

## Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

## Driver

Control Options	
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request



Precision lens optics



AG01  
Symmetric Narrow 11°



AG02  
Symmetric Medium 26°



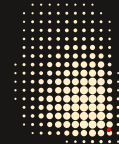
AG03  
Symmetric Flood 50°



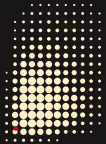
AG04  
Symmetric Elliptical 11°- 40°



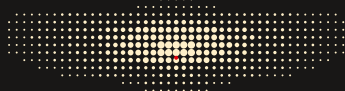
AH02  
Symmetric Wide Flood 60°



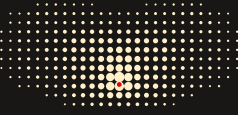
AP04-L  
Asymmetric Extra Forward – Left



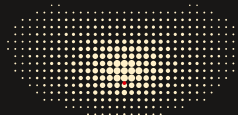
AP04-R  
Asymmetric Extra Forward – Right



AS06  
Asymmetric Extra Side Throw



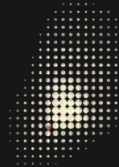
AS07  
Asymmetric Side Throw



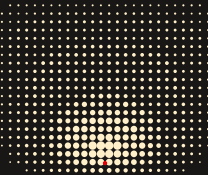
AS08  
Asymmetric Side Throw



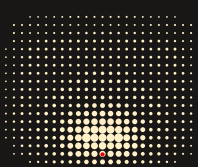
AP10-L  
Asymmetric Extra Forward – Left



AP10-R  
Asymmetric Extra Forward – Right



AP05  
Asymmetric Extra Forward



AP07  
Asymmetric Extra Forward

3.000 K  
CRI ≥ 70

4.000 K  
CRI ≥ 70

5.700 K  
CRI ≥ 70

## Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP04-L	AP04-R	AP04-L/R	AP10-L	AP10-R	AP10-L/R
Beam angle	11°	26°	50°	11°-40°	60°	-	-	-	-	-	-

Distribution	AP05	AP07	AS06	AS07	AS08
Beam angle	-	-	-	-	-

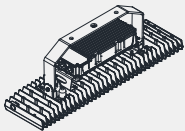
MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	128
Lum. flux max. [lm] (4,000 K)	60,600

# R-System gen4

## R1 128 LED (A-Series)

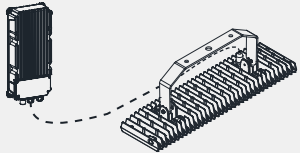
Airports,  
Harbor  
Logistics centers  
Sports facilities

R1 with driver installed



220 V-480 V (IP66)

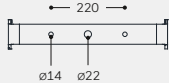
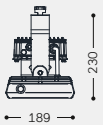
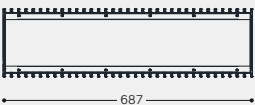
Without powder  
coating



R1 with driver remote



220 V-480 V (IP66)



### Configurator

CE RoHS IP66 IK08

### Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Stainless steel mounting bracket

### Measurements

Model	Tilt	①	②	Weight [kg] ③
R1 + Driver	0°	0.11	0.03	11.0
R1 + FCO	20°	0.19	0.04	12.4

① Projected windage area [m²]  
② Lateral windage area [m²]  
③ Weight with bracket and driver (driver 3.4 kg)

### Electrical

A-Series

Protection class	I
Voltage [V], [Hz]	220-415, 50/60
Current max. [mA]	PMMA: 1,000 mA, PC: 1,300 mA
Power max. [W]	512

### Driver

Control Options	ON OFF DALI DMX
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request

### BODY OF LIGHT



### SHAPE OF LIGHT



### INTELLIGENCE OF LIGHT



Precision lens optics



AG01  
Symmetric Narrow 11°



AG02  
Symmetric Medium 26°



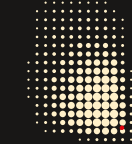
AG03  
Symmetric Flood 50°



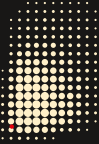
AG04  
Symmetric Elliptical 10°x40°



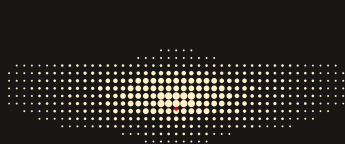
AH02  
Symmetric Wide Flood 60°



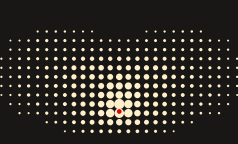
AP04-L  
Asymmetric Extra Forward – Left



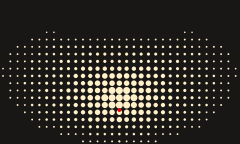
AP04-R  
Asymmetric Extra Forward – Right



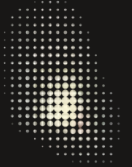
AS06  
Asymmetric Extra Side Throw



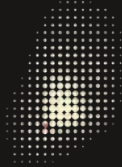
AS07  
Asymmetric Side Throw



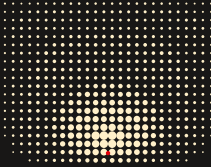
AS08  
Asymmetric Side Throw



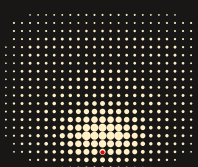
AP10-L  
Asymmetric Extra Forward – Left



AP10-R  
Asymmetric Extra Forward – Right



AP05  
Asymmetric Extra Forward



AP07  
Asymmetric Extra Forward



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70

\* additional light colors and CRI on request

### Performance

Distribution	AG01	AG02	AG03	AG04	AH02	AP04-L	AP04-R	AP04-L/R	AP10-L	AP10-R	AP10-L/R
Beam angle	11°	26°	50°	10°x40°	60°	-	-	-	-	-	-
Full Cut Off (Tilt)	-	-	-	-	-	20°	20°	20°	7°	7°	7°

Distribution	AP05	AP07	AS06	AS07	AS08
Beam angle	-	-	-	-	-
Full Cut Off (Tilt)	7°	-	-	-	-

MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	128
Lum. flux max. [lm] (5,700 K)	73,000

### Accessories



Bird Spike



Full-Cut-Off visor



Multipurpose bracket



# R-System gen4

## R2 144 LED (E-Series)

Airports,  
Harbor  
Logistics centers  
Sports facilities

Without powder  
coating

R2 with driver installed



230 V (IP20)

R2 with driver mounted  
on bracket via accessory



220 V-415 V (IP66)

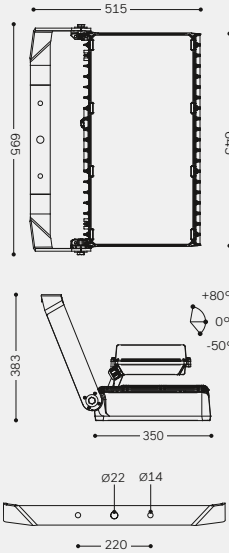
R2 with driver remote



220 V-415 V (IP66)



230 V (IP20)



### Configurator

CE RoHS IP66 IK10

### Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Mounting bracket made of hot-dip galvanised steel

### Measurements

Model	Tilt	↓ <sup>①</sup>	→ <sup>②</sup>	Weight [kg] ③
R2	0°	0.27	0.09	22.0
R2 + Driver installed	0°	0.27	0.13	28.5
R2 + Driver on bracket	0°	0.27	0.18	30.0
R2 + Driver on bracket + FCO	6°	0.34	0.18	31.5

① Projected windage area [m²]  
② Lateral windage area [m²]  
③ Weight with bracket M

### Electrical

E-Series

Protection class	I
Voltage [V], [Hz]	220-415, 50/60
Current max. [mA]	1,850
Power max. [W]	790

### Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

### Driver

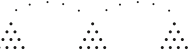
On request

Control Options	ON OFF DALI 1-10V DMX	Z
Programming	Stand-alone Constant Lumen Output (CLO)	
Control accessories	Further accessories on request	

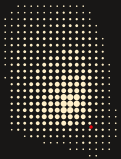
### SHAPE OF LIGHT



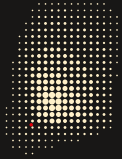
### INTELLIGENCE OF LIGHT



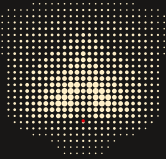
Precision lens optics



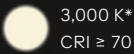
EP09-L  
Asymmetric Extra Forward  
Left



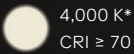
EP09-R  
Asymmetric Extra Forward  
Right



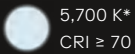
EP09-L/R  
Asymmetric Extra Forward  
Left/Right



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70

\* additional light colors and CRI on request

### Performance

Distribution	EP09-L	EP09-R	EP09-L/R
Beam angle	-	-	-
Full Cut Off (Tilt)	6°	6°	6°

MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	144
Lum. flux max. [lm] (5,700 K)	99,500

### Accessories



Bird Spike



Full-Cut-Off visor



Backlight shield



Laser Pointer



RedDot



Slide

# R-System gen4

## R2 240 LED (A-Series)

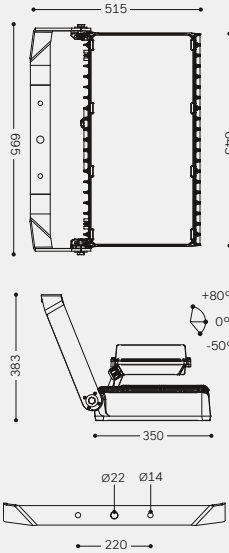
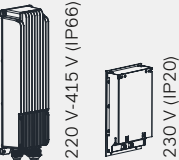
Airports,  
Harbor  
Logistics centers  
Sports facilities

Without powder  
coating

R2 with driver installed

R2 with driver mounted  
on bracket via accessory

R2 with driver remote



### Configurator

CE RoHS IP66 IK10

### Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Mounting bracket made of hot-dip galvanised steel

### Measurements

Model	Tilt	①	②	Weight [kg] ③
R2	0°	0.27	0.09	22.0
R2 + Driver installed	0°	0.27	0.13	28.5
R2 + Driver on bracket	0°	0.27	0.18	30.0
R2 + Driver on bracket + FCO	10°	0.34	0.19	31.5

① Projected windage area [m²]  
② Lateral windage area [m²]  
③ Weight with bracket M

### Electrical

A-Series

Protection class	I
Voltage [V], [Hz]	220-415, 50/60
Current max. [mA]	1,200
Power max. [W]	870

### Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

### Driver

Control Options	ON OFF DALI 1-10V DMX
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request

### On request

Z

### BODY OF LIGHT



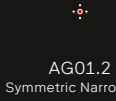
### SHAPE OF LIGHT



### INTELLIGENCE OF LIGHT



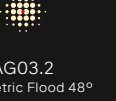
Precision lens optics  
\* also available in satiné version



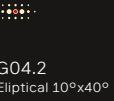
AG01.2  
Symmetric Narrow 11°



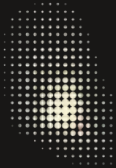
AG02.2  
Symmetric Medium 27°



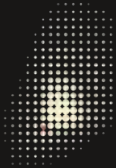
AG03.2  
Symmetric Flood 48°



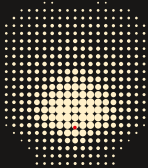
AG04.2  
Symmetric Elliptical 10°x40°



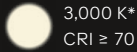
AP10-L  
Asymmetric Extra Forward - Left



AP10-R  
Asymmetric Extra Forward - Right



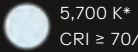
AP10-L/R  
Asymmetric Extra Forward - Right



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70/80/90

\* additional light colors and CRI on request

### Performance

Distribution	AG01	AG02	AG03	AG04	AP10-L	AP10-R	AP10-L/R
Beam angle	11°	26°	50°	10°x40°	-	-	-
Full Cut Off (Tilt)	-	-	-	-	10°	10°	10°

MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	240
Lum. flux max. [lm] (5,700 K)	125,100

### Accessories



Bird Spike



Full-Cut-Off visor



Laser Pointer



RedDot



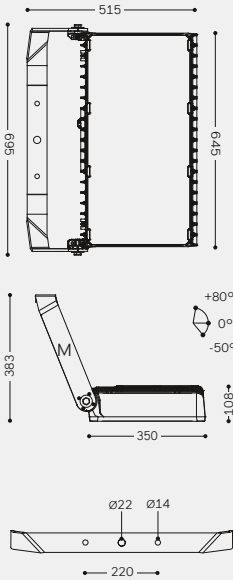
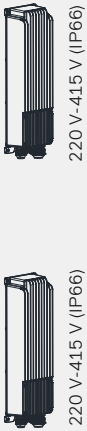
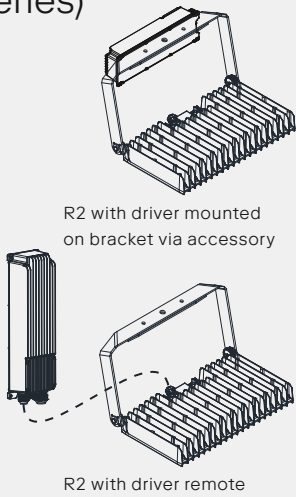
Slide

# R-System gen4

## R2 336 LED (A-Series)

Airports,  
Harbor  
Logistics centers  
Sports facilities

Without powder  
coating



### Configurator

CE RoHS IP66 IK10

Housing	
Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Mounting bracket made of hot-dip galvanised steel

Measurements				
Model	Tilt	↓ <sup>①</sup>	← <sup>②</sup>	Weight [kg] ③
R2	0°	0.27	0.09	22.0
R2 + Driver on bracket	0°	0.27	0.18	30.0
R2 + Driver on bracket + FCO	10°	0.34	0.19	31.5
① Projected windage area [m²]				
② Lateral windage area [m²]				
③ Weight with bracket M				

Electrical		A-Series
Protection class	I	
Voltage [V], [Hz]	220-415, 50/60	
Current max. [mA]	1,200	
Power max. [W]	1,200	

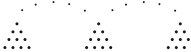
Operating conditions	
Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options

Driver		On request
Control Options	<div><div>ON</div><div>OFF</div><div>DALI</div><div>1-10V</div><div>DMX</div></div>	<div>Z</div>
Programming	Stand-alone Constant Lumen Output (CLO)	
Control accessories	Further accessories on request	

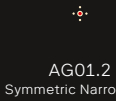
### SHAPE OF LIGHT



### INTELLIGENCE OF LIGHT



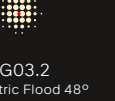
Precision lens optics  
\* also available in satiné version



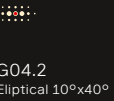
AG01.2  
Symmetric Narrow 12°



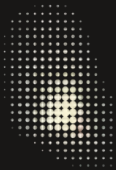
AG02.2  
Symmetric Medium 27°



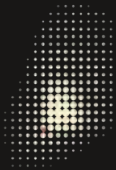
AG03.2  
Symmetric Flood 48°



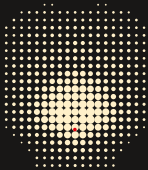
AG04.2  
Symmetric Elliptical 10°x40°



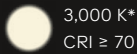
AP10-L  
Asymmetric Extra Forward - Left



AP10-R  
Asymmetric Extra Forward - Right



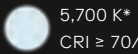
AP10-L/R  
Asymmetric Extra Forward - Right



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70/80/90

\* additional light colors and CRI on request

### Performance

Distribution	AG01	AG02	AG03	AG04	AP10-L	AP10-R	AP10-L/R
Beam angle	11°	26°	50°	10°x40°	-	-	-
Full Cut Off (Tilt)	-	-	-	-	10°	10°	10°
MacAdam ellipses (SDCM)	≤ 5						
Nr. of LEDs	336						
Lum. flux max. [lm] (5,700 K)	175,100						

### Accessories



Bird Spike



Full-Cut-Off visor



Laser Pointer



RedDot



Slide

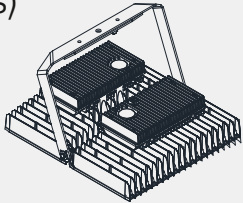


# R-System gen4

## R4 288 LED (E-Series)

Airports,  
Harbor  
Logistics centers  
Sports facilities

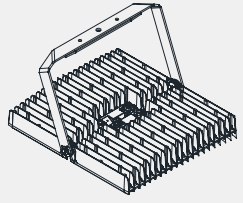
Without powder  
coating



R4 with driver installed



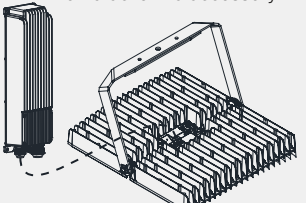
230 V (IP20)



R4 with driver mounted on bracket via accessory



220 V-415 V (IP66)



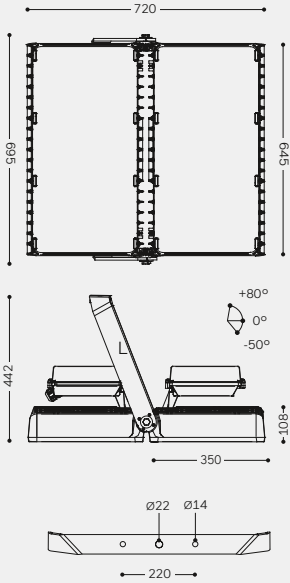
R4 with driver remote



220 V-415 V (IP66)



230 V (IP20)



### Configurator

CE RoHS IP66 IK10

### Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Mounting bracket made of hot-dip galvanised steel

### Measurements

Model	Tilt	①	②	Weight [kg] ③
R4	0°	0.54	0.9	36.5
R4 + Driver installed	0°	0.54	0.13	50.0
R4 + Driver on bracket	0°	0.54	0.18	44.5
R4 + Driver on bracket + FCO	6°	0.56	0.18	47.5

① Projected windage area [m²]  
② Lateral windage area [m²]  
③ Weight with bracket L

### Electrical

E-Series

Protection class	I
Voltage [V], [Hz]	220–415, 50/60
Current max. [mA]	1,850
Power max. [W]	1,580

### Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

### Driver

On request

Control Options		
Programming	Stand-alone Constant Lumen Output (CLO)	
Control accessories	Further accessories on request	

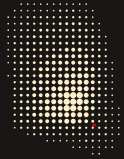
### SHAPE OF LIGHT



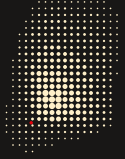
### INTELLIGENCE OF LIGHT



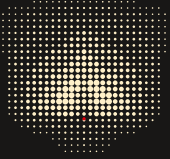
Precision lens optics  
\* also available in satiné version



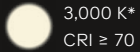
EP09-L  
Asymmetric Extra Forward  
Left



EP09-R  
Asymmetric Extra Forward  
Right



EP09-L/R  
Asymmetric Extra Forward  
Left/Right



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70

\* additional light colors and CRI on request

### Performance

Distribution	EP09-L	EP09-R	EP09-L/R
Beam angle	-	-	-
Full Cut Off (Tilt)	6°	6°	6°

MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	288
Lum. flux max. [lm] (5,700 K)	199,000

### Accessories



Bird Spike



Full-Cut-Off visor



Backlight shield



Laser Pointer



RedDot



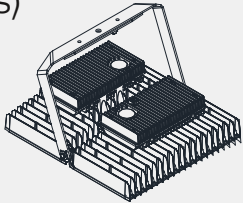
Slide

# R-System gen4

## R4 480 LED (A-Series)

Airports,  
Harbor  
Logistics centers  
Sports facilities

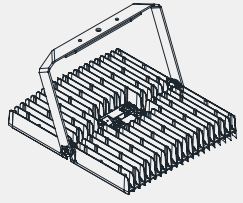
Without powder  
coating



R4 with driver installed



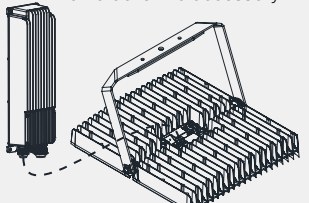
230 V (IP20)



R4 with driver mounted on bracket via accessory



220 V-415 V (IP66)



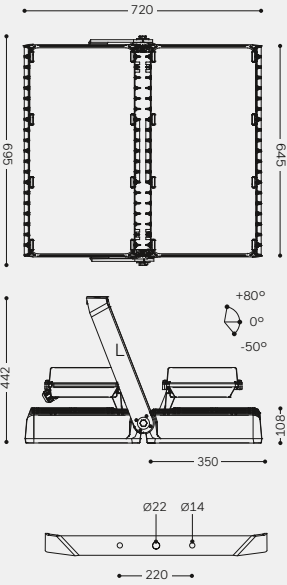
R4 with driver remote



220 V-415 V (IP66)



230 V (IP20)



### Configurator

CE RoHS IP66 IK10

### Housing

Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	Mounting bracket made of hot-dip galvanised steel

### Measurements

Model	Tilt	①	②	Weight [kg] ③
R4	0°	0.54	0.9	36.5
R4 + Driver installed	0°	0.54	0.13	50.0
R4 + Driver on bracket	0°	0.54	0.18	44.5
R4 + Driver on bracket + FCO	10°	0.56	0.18	47.5

① Projected windage area [m²]  
② Lateral windage area [m²]  
③ Weight with bracket L

### Electrical

A-Series

Protection class	I
Voltage [V], [Hz]	220-415, 50/60
Current max. [mA]	1,200
Power max. [W]	1,740

### Operating conditions

Lifetime	Visit the <a href="#">configurator</a> for specific lifetime options
----------	----------------------------------------------------------------------

### Driver

Control Options	ON OFF DALI 1-10V DMX
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request

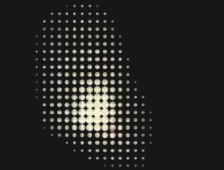
### On request

Z

### SHAPE OF LIGHT



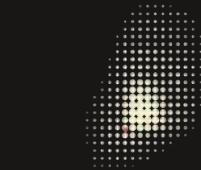
AG01  
Symmetric Narrow 12°



AP10-L  
Asymmetric Extra Forward - Left



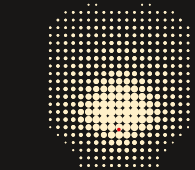
AG02  
Symmetric Medium 27°



AP10-R  
Asymmetric Extra Forward - Right



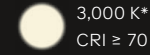
AG03  
Symmetric Flood 48°



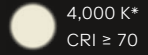
AP10-L/R  
Asymmetric Extra Forward - Right



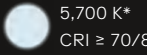
AG04  
Symmetric Elliptical 10°x40°



3,000 K\*  
CRI ≥ 70



4,000 K\*  
CRI ≥ 70



5,700 K\*  
CRI ≥ 70/80/90

\* additional light colors and CRI on request

### Performance

Distribution	AG01	AG02	AG03	AG04	AP10-L	AP10-R	AP10-L/R
Beam angle	11°	26°	50°	10°x40°	60°	-	-
Full Cut Off (Tilt)	-	-	-	-	10°	10°	10°

MacAdam ellipses (SDCM)	≤ 5
Nr. of LEDs	480
Lum. flux max. [lm] (5,700 K)	250,200

### Accessories



Bird Spike



Full-Cut-Off visor



Laser Pointer



RedDot

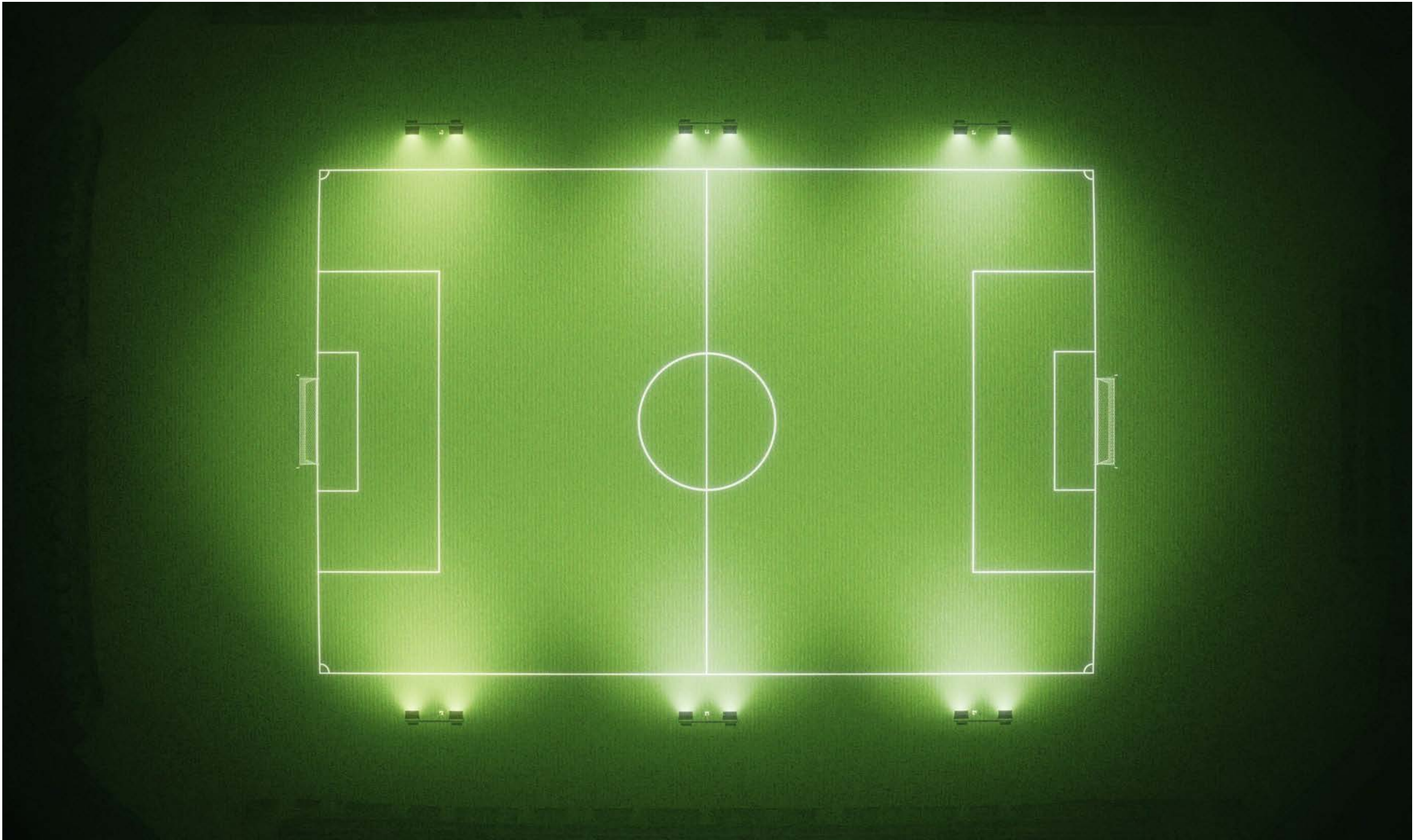


Slide

Performance table

Values 5,700 K														B: on bracket R: remote I: installed
Model	LED	Lens	Material	I min [mA]	I max [mA]	Flux min [lm]	Flux max [lm]	Power min [W]	Power max [W]	Eff. max [l/W]	Eff. min [l/W]	Driver input voltage range	Driver IP rate	Driver mounting type
R1	128	AP1604-L	PMMA	500	1,000	29,900	54,000	198	398	151.3	135.7	220V-480V	66	I / R
		AP1604-R	PMMA	500	1,000	29,900	54,000	198	398	151.3	135.7	220V-480V	66	I / R
		AP1604-L/R	PMMA	500	1,000	29,900	54,000	198	398	151.3	135.7	220V-480V	66	I / R
		AP05	PMMA	500	1,000	29,800	53,800	198	398	150.8	135.2	220V-480V	66	I / R
		AP07	PMMA	500	1,000	28,800	52,000	198	398	145.8	130.7	220V-480V	66	I / R
		AH02	PMMA	500	1,000	31,000	56,100	198	398	157.0	140.8	220V-480V	66	I / R
		AS06	PMMA	500	1,000	28,700	51,900	198	398	145.2	130.2	220V-480V	66	I / R
		AS07	PMMA	500	1,000	30,000	54,300	198	398	152.0	136.3	220V-480V	66	I / R
		AS08	PMMA	500	1,000	29,400	53,200	198	398	148.9	133.5	220V-480V	66	I / R
		AG01.2	PC	500	1,300	33,100	73,000	198	519	167.1	140.7	220V-480V	66	I / R
		AG02.2	PC	500	1,300	31,100	68,700	198	519	157.2	132.3	220V-480V	66	I / R
		AG03.2	PC	500	1,300	28,500	62,900	198	519	144.0	121.2	220V-480V	66	I / R
		AG04.2-H	PC	500	1,300	32,000	70,700	198	519	161.8	136.2	220V-480V	66	I / R
		AG04.2-V	PC	500	1,300	32,000	70,700	198	519	161.8	136.2	220V-480V	66	I / R
		AP10-L	PC	500	1,300	29,600	65,400	198	519	149.8	126.1	220V-480V	66	I / R
		AP10-R	PC	500	1,300	29,600	65,400	198	519	149.8	126.1	220V-480V	66	I / R
		AP10-L/R	PC	500	1,300	29,600	65,400	198	519	149.8	126.1	220V-480V	66	I / R
R2	144	EP09-L	PMMA	400	1,850	28,400	99,500	173	790	172.4	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		EP09-R	PMMA	400	1,850	28,500	99,500	173	790	172.4	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		EP09-L/R	PMMA	400	1,850	28,500	99,500	173	790	172.4	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
R2	240	AG01.2	PC	500	1,200	61,600	125,100	350	870	175.9	144.0	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG02.2	PC	500	1,200	57,900	117,700	350	870	165.5	135.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG03.2	PC	500	1,200	53,000	107,800	350	870	151.6	124.1	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG04.2-H	PC	500	1,200	59,600	121,100	350	870	170.4	139.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG04.2-V	PC	500	1,200	59,600	121,100	350	870	170.4	139.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-L	PC	500	1,200	56,100	113,900	350	870	153.3	128.2	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-R	PC	500	1,200	56,100	113,900	350	870	153.3	128.2	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-L/R	PC	500	1,200	55,000	111,700	350	870	150.3	125.6	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG01.2	PC	500	1,200	86,200	175,100	490	1,200	175.9	144.0	220V-415V	66	R, B
		AG02.2	PC	500	1,200	81,100	164,700	490	1,200	165.5	135.5	220V-415V	66	R, B
R2	336	AG03.2	PC	500	1,200	74,200	150,800	490	1,200	151.6	124.1	220V-415V	66	R, B
		AG04.2-H	PC	500	1,200	83,400	169,500	490	1,200	170.4	139.5	220V-415V	66	R, B
		AG04.2-V	PC	500	1,200	83,400	169,500	490	1,200	170.4	139.5	220V-415V	66	R, B
		AP10-L	PC	500	1,200	78,500	159,500	490	1,200	153.3	128.2	220V-415V	66	R, B
		AP10-R	PC	500	1,200	78,500	159,500	490	1,200	153.3	128.2	220V-415V	66	R, B
		AP10-L/R	PC	500	1,200	77,000	156,500	490	1,200	150.3	125.6	220V-415V	66	R, B
		EP09-L	PMMA	800	1,850	105,800	199,000	684	1,580	162.2	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		EP09-R	PMMA	800	1,850	105,800	199,000	684	1,580	162.2	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		EP09-L/R	PMMA	800	1,850	105,800	199,000	684	1,580	162.2	129.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG01.2	PC	500	1,200	123,100	250,200	700	1,740	175.9	144.0	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
R4	288	AG02.2	PC	500	1,200	115,800	235,300	700	1,740	165.5	135.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG03.2	PC	500	1,200	106,100	215,500	700	1,740	151.6	124.1	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG04.2-H	PC	500	1,200	119,200	242,200	700	1,740	170.4	139.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AG04.2-V	PC	500	1,200	119,200	242,200	700	1,740	170.4	139.5	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-L	PC	500	1,200	112,200	227,900	700	1,740	153.3	128.2	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-R	PC	500	1,200	112,200	227,900	700	1,740	153.3	128.2	220V-240V / 220V-415V	20 / 66	I, R, B / R, B
		AP10-L/R	PC	500	1,200	110,000	223,500	700	1,740	150.3	125.6	220V-240V / 220V-415V	20 / 66	I, R, B / R, B






A  
SERIES

## RIVAL

ready to compete

RIVAL puts indoor and outdoor sports fields in the right light. The floodlight is corrosion resistant and can therefore, in its uncoated form, be used in all climatic environments. It is available in two tilt options, and a factory installed FCO shield also minimizes glare and prevents light from spilling upward. With A-Series lenses and five different light distributions, RIVAL easily outshines its competition.

without polyester powder coating





Configurator

IP66

RoHS

IK08

pending

pending

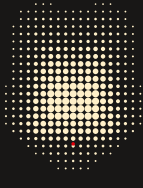
pending

DIN 18032-3

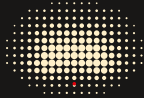
A

SERIES

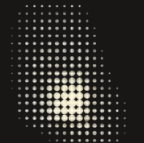
Precision lens optics



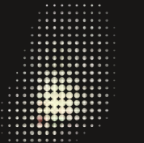
AFC01  
Asymmetric extra forward



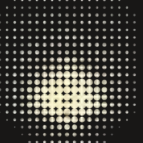
AF02  
Asymmetric forward throw



AP10-L  
Asymmetric Extra Forward – Left



AP10-R  
Asymmetric Extra Forward – Right



AP10-L/R  
Asymmetric Extra Forward – L/R

3,000 K\*  
CRI ≥ 70

4,000 K\*  
CRI ≥ 70

5,700 K\*  
CRI ≥ 70

\* additional light colours and CRI on request

Housing	
Housing material	Aluminum die-cast
Housing finish	without Polyester powder coating (ewoECP only with powder coating upon request*)
Finish colour	colours on request
Glass	EGS safety glass
Mounting options	Wall - Over and under cross arms
Fixing	with bracket
* ewo three steps process (high quality alloy, pre-treatment, primer) to ensure extreme corrosion resistance	

Measurements			
Model	①	②	Weight [kg] ③
RIVAL (FCO 10°)	0.38	0.2	29.0
RIVAL (FCO 30°)	0.39	0.22	30.0
① Projected windage area [m²] (Tilt 0°)			
② Lateral windage area [m²] (Tilt 0°)			
③ Weight with bracket, Full-Cut-Off and driver (driver 7.0 kg)			

Performance

Distribution	AFC01	AF02	AP10-L	AP10-R	AP10-L/R
Beam angle	55°	44°	65°	65°	65°
Full Cut Off (adjustable ±5°)	30°	30°	10°	10°	10°


MacAdam ellipses (SDCM)	≤ 5 SDCM
Nr. of LEDs	320
Luminous flux [lm] (4,000 K)	146,600
Lum. efficiency up to (lm/W)	161

Electrical		A-Series
Protection class	I	
Voltage [V], [Hz]	220–415, 50/60	
Current max. [mA]	1,200	
Current min. DALI [mA]	20	
LED power [W]	1,157	


Operating conditions		
Lifetime	at 25°C	
L70B10 projected	100,000 h (1,200 mA)	
L80B10 projected	100,000 h (1,100 mA)	
L90B10 projected	28,000 h (1,100 mA)	

Driver (external)	upon request
Control Options	<div><div>ON</div><div>OFF</div><div>DALI</div><div>1-10V</div><div>DMX-RDM</div></div> <div><div>Z</div><div></div></div>
Programming	Stand-alone Constant Lumen Output (CLO)
Control accessories	Further accessories on request


Accessories




Bird deterrent



Laser Pointer



RedDot



Assembly slide



Headquarters	Cortaccia in the Bolzano area, South Tyrol, Italy
Offices	Austria, Germany and Italy plus an extensive network of international partners
Number of Employees	> 100
CEO	Hannes Wohlgemuth

We know that special lighting projects require close interaction.  
That is why personal contact with you is the key to our corporate philosophy.

Call us today – our team of experts will be happy to advise you.

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