## PRODUCTS
### T-Series (LightTile)

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<th>POLE- AND WALL-MOUNTED SYSTEMS</th>
<th>F–System M</th>
<th>F–System S</th>
<th>F–System XS</th>
<th>IR</th>
<th>DA</th>
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<tr>
<td></td>
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<td></td>
<td>▶ p. 20</td>
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<td>▶ p. 28</td>
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<td>POLES</td>
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<td>LIGHT COLUMNS</td>
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<table>
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<th>POLE-AND WALL-MOUNTED SYSTEMS</th>
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<th>F-System XS</th>
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<th>PROJECTORS</th>
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<th>P100</th>
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<th>R50</th>
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PRODUCT COLOURS

STANDARD

- RAL 9006 / DB 701 White aluminium
- RAL 9007 / DB 702 Grey aluminium
- DB 703 Anthracite

ON REQUEST

- RAL 1013 Oyster white
- RAL 1015 Light ivory
- RAL 1018 Zinc yellow
- RAL 1023 Traffic yellow
- RAL 1026 Luminous yellow
- RAL 1032 Brown yellow
- RAL 3000 Flame red

- RAL 3004 Purple red
- RAL 3005 Wine red
- RAL 4010 Telemagenta
- RAL 5002 Ultramarine blue
- RAL 5003 Sapphire blue
- RAL 5005 Signal blue

- RAL 5008 Grey blue
- RAL 5010 Geranium blue
- RAL 5011 Steel blue
- RAL 5013 Cobalt blue
- RAL 5014 Pigeon blue
- RAL 5015 Sky blue
- RAL 6005 Mica green

- RAL 5020 Oyster grey
- RAL 5025 Beige grey
- RAL 5030 Metallic grey
- RAL 5035 Mica grey
- RAL 5040 Black grey
- RAL 5050 Graphite grey
- RAL 5055 Silver grey

- RAL 6009 Pink green
- RAL 6011 Rosella green
- RAL 6012 Black green
- RAL 6013 Pastel green
- RAL 6020 Pale green
- RAL 6021 Silver grey
- RAL 7004 Signal grey

- RAL 7005 Mouse grey
- RAL 7006 Beige grey
- RAL 7010 Tapioca grey
- RAL 7011 Iron grey
- RAL 7012 Basalt grey
- RAL 7013 Brown grey
- RAL 7015 Slate grey

- RAL 7016 Anthracite grey
- RAL 7021 Black grey
- RAL 7022 Umbra grey
- RAL 7023 Carbon 01
- RAL 7024 Graphite grey
- RAL 7030 Stone grey
- RAL 7031 Blue grey

ON REQUEST

- RAL 7012 Pebble grey
- RAL 7015 Light grey
- RAL 7017 Traffic grey
- RAL 7020 Luminous grey
- RAL 7026 Platinum grey
- RAL 7034 Dusty grey
- RAL 7037 Agate grey
- RAL 7039 Quartz grey

- RAL 7040 Window grey
- RAL 7042 Traffic grey A
- RAL 7043 Traffic grey B
- RAL 7044 Silk grey
- RAL 7045 Telegrey 1
- RAL 7046 Telegrey 2
- RAL 7047 Telegrey 3

- RAL 8001 Ochre brown
- RAL 8003 Clay brown
- RAL 8004 Copper brown
- RAL 8007 Fawn brown
- RAL 8011 Nut brown
- RAL 8012 Red brown
- RAL 8014 Sepia brown

- RAL 8015 Brown 05
- RAL 8016 Mahogany brown
- RAL 8017 Chocolate brown
- RAL 8019 Grey brown
- RAL 8022 Black brown
- RAL 8028 Terra brown
- RAL 9001 Cream

- RAL 9002 Grey white
- RAL 9003 Signal white
- RAL 9004 Signal black
- RAL 9005 Jet black
- RAL 9010 Pure white
- RAL 9011 Graphite black
- RAL 9016 Traffic white

- RAL 9017 Traffic black
- RAL 9018 Pagoda white
- AkzoNobel Brown 850
- Mineral Quartz 2
- Traffic black
- AkzoNobel Mars 2525
- And many other colours
LENS OPTICS
With the A–Series, planners have all the tools they need to combine and create any individual light distribution imaginable. Modularity is key – and an infinite array of possible lens combinations in any luminaire head and in any desired luminaire is the solution. The A–Series is ideal for any project from small alleys, pavements and sidewalks to entire roads, public squares and large areas. Thanks to its modular set-up, it is optimised for any product – bollards, projectors, recessed wall luminaires, pole-mounted systems and high-performance floodlights.

LIGHT-GUIDING PANELS
LightTile is a novelty: Its light-guiding optics are 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. LightTile provides visual comfort at the very highest level and at the same time a precise and homogeneous light distribution thanks to a smooth emitter that makes the individual LED units entirely invisible. LightTile panels can be combined vertically and horizontally in many products within the ewo luminaire portfolio.
STANDARD LIGHT DISTRIBUTIONS
A–Series and T–Series (LightTile)

SYMMETRIC

AG01 Symmetric Narrow 10°
AG02 Symmetric Medium 26°
AG03 Symmetric Flood 50°
AG04 Symmetric Bipolar 6–40°
AG05 Symmetric Wide Flood

ASYMMETRIC

LEFT/RIGHT

AG06 Asymmetric Forward – Left
AG07 Asymmetric Forward – Right
AG08 Asymmetric Extra Forward – Left
AG09 Asymmetric Extra Forward – Right

SIDE THROW

AG06 Asymmetric Extra Side Throw
AG07 Asymmetric Side Throw
AG08 Asymmetric Extra Side Throw
AG09 Asymmetric Side Throw

FORWARD THROW

AP05 (Tilt 8°) Asymmetric Extra Forward
AP06 (Tilt 1°) Asymmetric Extra Forward
AP07 Asymmetric Extra Forward
AP08 Asymmetric Extra Forward

SIDE AND FORWARD THROW

AS10–L Asymmetric Side and Forward Throw
AS08 Asymmetric Side and Forward Throw
AS09 Asymmetric Side and Forward Throw
TP08 LightTile Asymmetric Extra Forward
TS11 LightTile Asymmetric Extra Forward

BESPOKE OPTICS

ewo’s wide range of standard optics allows for an infinite number of light distributions. And yet, there’s always that one project that requires an entirely new approach and layout – which is why at ewo, we also design and manufacture optics that are tailor-made to fit your every need and exact wishes.
DIFFERENT LIGHT DISTRIBUTIONS IN ONE PRODUCT

THE SAME LIGHT DISTRIBUTION IN DIFFERENT PRODUCTS
**R-System gen1**

**A-Series**

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### Models / Equipment Variations

- System accommodates up to 4 panels
- Current feed: 400–600 mA, depending on ambient temperature
- LED System gen1 L4, max. 700 mA
- Allowed ambient temperature range: –40 to +55 °C
- Lifetime: L90B10 80,000 h/W
- System efficiency: 110–130 lm/W
- Electronic operating device with DALI or 1–10 V; each panel one DALI address
- Constant lumen output (CLO) available upon request
- Smart Lighting: control modules for different communication standards available upon request
- Various light distributions for large-area, high-bay or street lighting
- Lens made from PMMA, cover in single-pane safety glass (ESG)
- Bracket made of hot-dip galvanised steel, holder made of aluminium
- Finish: polyester powder coating, white aluminium (RAL 9006 / DB 701)

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### Colour Temperatures

- Standard CRI ≥ 70, CRI ≥ 80 upon request

### Light Distributions (also available in satiné version – spot optics excluded)

- AG21: Symmetric Narrow 11°
- AG22: Symmetric Medium 28°
- AG23: Symmetric Flood 68°
- AG24: Symmetric Elliptical 11°–40°
- AG02: Asymmetric Wide Flood
- AP04-L (Til 20°): Asymmetric Wide Forward – Left
- AP04-R (Til 20°): Asymmetric Wide Forward – Right
- AP05 (Til 8°): Asymmetric Dual Forward
- AP07: Asymmetric Dual Throw
- AG05: Asymmetric Dual Elliptical
- AG07: Asymmetric Dual Throw,

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### Other Features

- System eﬃciency: 110–130 lm/W
- Electronic operating device with DALI or 1–10 V; each panel one DALI address
- Constant lumen output (CLO) available upon request
- Smart Lighting: control modules for different communication standards available upon request
- Various light distributions for large-area, high-bay or street lighting
- Lens made from PMMA, cover in single-pane safety glass (ESG)
- Luminaire housing in die-cast aluminium
- Bracket made of hot-dip galvanised steel, holder made of aluminium
- Finish: polyester powder coating, white aluminium (RAL 9006 / DB 701)

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**FLOODLIGHTS**

**CONSTANTLY UPDATED DATA:**

[con@pradosses.com]
R–System gen3

A–Series / E–Series

Models / Equipment Variations

- Current feed: up to 1.850 mA, depending on ambient temperature
- Allowed ambient temperature range: –40 to +55 °C
- Lifetimes: L80B10 = 60,000 h; SPORT > 50,000 h
- Electronic operating device with DALI or ProLink™ Dimming
- Smart Lighting: control modules for different communication standards available upon request
- Various light distributions for large-area, high-bay or street lighting
- Lens made with UV-stabilised polycarbonate, cover in single-pane safety glass (ESG)
- Luminaire housing in die-cast aluminium
- Bracket made of hot-dip galvanised steel, on request with swivelling bracket for floor and wall mounting
- Finish: polyester powder coating, white aluminium (RAL 9006 / DB 703)

Colour Temperatures

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<tr>
<td>R2</td>
<td>90,000</td>
<td>762</td>
<td>1.850</td>
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<td>R2–SPORT</td>
<td>125,000</td>
<td>1,015</td>
<td>1,800</td>
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<td>R4</td>
<td>150,000</td>
<td>1,525</td>
<td>1,850</td>
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<td>R4–SPORT</td>
<td>200,000</td>
<td>2,030</td>
<td>1,900</td>
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Shape your own light

- Combine any light distributions
- Available in different communication standards
- Choose different light versions

Light Distributions

- AG21 Symmetric Narrow 32°
- AG22 Symmetric Medium 55°
- AG23 Symmetric Flood 90°
### Models / Equipment Variations

<table>
<thead>
<tr>
<th>Model</th>
<th>LU</th>
<th>Power [W]</th>
<th>L2 [mm]</th>
<th>L2 [mm]</th>
<th>H2 [mm]</th>
<th>B2 [mm]</th>
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<td>0.19</td>
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<td>0.27</td>
<td>0.05</td>
<td>16.5</td>
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</table>

- Housing accommodates up to 10 lighting units (LU, WB / 128 / 180 LEDs)
- Current feed: 200-650 mA, depending on ambient temperature (F10 max. 600 mA)
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI, 1-10V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for large area and street lighting
- Lens made from PMMA
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 5° in 5° increments for pole-top / WB mm or 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

### Colour Temperatures

- CRI ≥ 70
- Other colour rendering indexes available upon request

### Light Distributions (also available in satiné version)

- Asymmetric Side Throw
- Symmetric Wide Flood
- Asymmetric Extra Side Throw
- Extra Forward
- Asymmetric Extra Side Throw

### Other Details

- Housing accommodates up to 10 lighting units (LU, WB / 128 / 180 LEDs)
- Current feed: 200-650 mA, depending on ambient temperature (F10 max. 600 mA)
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- Electronic operating device with DALI, 1-10V interface, stand-alone programming or Line Switch available upon request
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- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for large area and street lighting
- Lens made from PMMA
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 5° in 5° increments for pole-top / WB mm or 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

### Specifications

- Shape your own light
- Colour rendering indexes available upon request
- Luminous Flux [lm]
- Max. weight, 400–34 / 500–29 / 700–21 / 200 / 900
- Power [W]
- Projection area [m²]
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 5° in 5° increments for pole-top / WB mm or 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request
F–System M

LightTile

### POLE / WALL MOUNTED SYSTEMS

**MODELS / EQUIPMENT VARIATIONS**

- Housing accommodates up to 10 lighting units (LU), 192 / 256 / 320 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for large area and street lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 90° in 5° increments, for pole-top ⌀ 76 mm or ⌀ 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

**AVAILABLE DESIGNS (ALSO AVAILABLE AS PENDANT)**

- Single
- Double

**DIMENSIONS (VALUES SEE TABLE)**

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<td>6,500</td>
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<td>200</td>
<td>9,100</td>
<td>119</td>
<td>77</td>
<td>422</td>
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**LIGHT DISTRIBUTIONS**

- TP68: Asymmetrical Side and Forward
- TS11: Asymmetrical Side and Forward

**CONSTANTLY UPDATED DATA:**
configured.evo.com

**PRODUCT FEATURES**

- Weight
- Max. power
- LU
- Max. luminous flux
- Colour temperatures

**LUMINOUS Flux [lm]**

2,200 K Tunable White 6,500 K

**STANDARD CRI ≥ 80, UPTON REQUEST CRI ≥ 90**
**F–System S**

**A–Series**

---

**Models / Equipment Variations**

- Housing accommodates up to 5 lighting units (LU), 32 / 48 / 64 / 80 LEDs
- Current feed 200–700 mA, depending on ambient temperature (F5 max. 600 mA)
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI / 1-10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lamps made from PMMA
- Cover in single-pane safety glass (ETG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0 to 50° / 5° increments, for pole-top ≥ 76 mm or ≥ 80 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

---

**POLE / WALL MOUNTED SYSTEMS**

**Available Designs**

- Single
- Double
- Wall-mounted

---

**Light Distributions** (also available in satiné version)

- AH52 Asymmetric Side-Throw
- AP67 Asymmetric Both Forward
- AS08 Asymmetric Both Side-Throw
- AS07 Asymmetric Side-Throw
- AS08 Asymmetric Side and Frontal Throw
- AS09 Asymmetric Both Side-Throw
- AS50 Asymmetric Frontal – Right
- AS50 Asymmetric Frontal – Left

**Colour Temperatures**

- 2,200 K
- 2,700 K
- 3,000 K
- 4,000 K
- 5,700 K

---

**CONSTANTLY UPDATED DATA:**

configurator.esse.com

---

**F5**

---

**Pole / Wall Mounted Systems Dimensions** (values see table)

<table>
<thead>
<tr>
<th>LU</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>W</th>
<th>B</th>
<th>H</th>
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<td>71</td>
<td>160</td>
<td>23</td>
<td>193</td>
<td>77</td>
<td>278</td>
</tr>
</tbody>
</table>

---

**Footnotes:**

- Asymmetric Side-Throw
- Asymmetric Both Forward
- Asymmetric Both Side-Throw
- Asymmetric Side-Throw
- Asymmetric Side and Frontal Throw
- Asymmetric Both Side-Throw
- Asymmetric Frontal – Right
- Asymmetric Frontal – Left

Shape your own light

Combine any light distributions

---

**Constantly Updated Data:**

configurator.esse.com
F–System S

LightTile

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<tr>
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<td>4–10</td>
<td>M1 M-OFC-10 / 11 / 12</td>
<td>0.19</td>
<td>0.07</td>
<td>15.5</td>
<td>2</td>
<td>1,800</td>
<td>24</td>
<td>620</td>
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<td>F3</td>
<td>4–10</td>
<td>M1 M-OFC-10 / 11 / 12</td>
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<td>0.07</td>
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<td>0.07</td>
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<td>60</td>
<td>620</td>
<td>85177278</td>
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</table>

- Housing accommodates up to 5 lighting units (LU), 64 / 96 / 128 / 160 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI T
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 90° in 5° increments, for pole-top ⌀ 76 mm or ⌀ 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

constantly updated data: configurator.ewo.com

POLE / WALL MOUNTED SYSTEMS

Models / Equipment Variations

Available Designs

Colour Temperatures

2,100 K Tunable White 6,500 K

Standard CRI ≥ 80, upon request CRI ≥ 90

Light Distributions

24
F–System XS

A–Series

**POLE / WALL MOUNTED SYSTEMS**

- Housing accommodates up to 3 lighting units (LU) 16 / 32 / 48 LEDs
- Current feed 200 - 700 mA, depending on ambient temperature (F3-XS max. 650 mA)
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zigbee interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum available in the following variants:
  - Fixed position, 90° for pole-top ø42 mm, ø48 mm, ø60 mm, ø49 mm, ø114 mm or ø133 mm (single or double design)
  - Fixed position, 90° for pole-top ø42 mm, ø48 mm or ø60 mm
  - Adjustable in 5° increments from 0°-90°, for pole-top ø76 mm or ø60 mm
- Finish: polyester powder coating, anthracite (DB 703)
  - other colours upon request

**LIGHT DISTRIBUTIONS (also available in satiné version)**

- Shape your own light
  - Asymmetric Side Throw
  - Asymmetric Extra Side Throw
  - Asymmetric Extra Forward
  - Asymmetric Wide Flood
  - Asymmetric Side Flood
  - Asymmetric Side Flood
  - Asymmetric Side Flood
  - Asymmetric Side Flood

**COLOUR TEMPERATURES**

<table>
<thead>
<tr>
<th>Colour Temperature</th>
<th>CRI</th>
<th>K</th>
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<tr>
<td>2,700 K</td>
<td>≥70</td>
<td></td>
</tr>
<tr>
<td>3,000 K</td>
<td>≥80</td>
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<td>4,000 K</td>
<td>≥70</td>
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<tr>
<td>5,700 K</td>
<td>≥70</td>
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</tbody>
</table>

**CONSTANTLY UPDATED DATA:**

[www.ewo.com](http://www.ewo.com)

---

**Equipment Variations**

Models /

Glass Cover

- Pole Bracket Variants

- Available Designs

- Pole Bracket Variants

- Fixed 90° pole top
- Fixed side-entry
- Adjustable 0°-90°

**Dimension (values see table)**

---

**CONSTANTLY UPDATED DATA:**

[Ref to product page](http://www.ewo.com)
LightTile

Why choose LightTile?

- Housing accommodates up to 3 lighting units (LU), 64 / 96 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum

Available Designs

- Single
- Double
- Wall-mounted

Pole Bracket Variants

- Fixed 90° pole-top
- Fixed side-entry
- Adjustable 0–90°

Colour Temperatures

- 2,100 K Tunable White
- 6,500 K

Standard CRI ≥ 80, upon request CRI ≥ 90

Light Distributions

- Asymmetric Extra Forward
- Asymmetric Side and Forward Throw

Model | LPH [lm] | Pole [W] | ≤ 0.5 m steps | Further details on poles see p. 58–61 | Projected windage area [m²] | Lateral windage area [m²] | Max. weight [mm] | Excluding pole [mm] | Single | Double | Wall-mounted

F2-XS

- 3–6
- MK, M-DTC-10 / 11 / 12
- 0.13
- 0.05
- 11.0
- 2
- 1,800
- 24
- 420
- 72
- 258

F2-XS-W

- 0.11
- 0.03
- 9.0
- 2
- 1,800
- 24
- 420
- 450
- 72
- 258

F3-XS

- 3–6
- MKL, M-DTC-10 / 11 / 12
- 0.13
- 0.05
- 11.0
- 3
- 2,700
- 36
- 420
- 72
- 258

F3-XS-W

- 0.11
- 0.03
- 9.0
- 3
- 2,700
- 36
- 420
- 450
- 72
- 258

CONSTANTLY UPDATED DATA:
config.wo.com
**IR A-Series**

---

**Models / Equipment Variations**

- Housing accommodates up to 3 lighting units (LU) 16 / 32 / 48 LEDs
- Current feed: 200 - 700 mA, depending on ambient temperature
  (IR3 max. 850 mA)
- Product compatible with A-Series and T-Series (LightFile)
- Electronic operating device with DALL 1-10V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lenses made from PMMA
- Cover in single-pane safety glass (ETSG)
- Luminaire housing in die-cast aluminium, integral pole adapter, for pole-top ø 60 mm and ø 76 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

---

**Available Designs**

- Single
- Wall-mounted

---

**Colour Temperatures**

- 2,200 K 2,700 K 3,000 K 4,000 K 5,700 K
- CRI ≥ 70
- CRI ≥ 80
- CRI ≥ 90, other colour rendering indexes available upon request

---

**Light Distributions (also available in satiné version)**

- ASW2 Symmetric Side Throw
- APW7 Asymmetric Oval Forward
- ASO8 Asymmetric Oval Side Throw
- ASO9 Asymmetric Oval Side Throw
- ASO7 Asymmetric Side Throw
- ASO8 Asymmetric Side and Perpendicular Throw
- ASO9 Asymmetric Side and Perpendicular Throw
- ASL2 L Asymmetric Oval - Left
- ASL10 R Asymmetric Oval - Right

---

**CONSTANTLY UPDATED DATA:**

const@paradoses.com
LightTile

Models / Equipment Variations

IR3
2–3 Lighting units

Available Designs

Single
Wall-mounted

POLE / WALL MOUNTED SYSTEMS

- Housing accommodates up to 3 lighting units (LU), 64 / 96 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaire housing in die-cast aluminium, integral pole adapter, for pole-top ø60 mm and ø76 mm
- Finish: polyester powder coating, anthracite (DR 703), other colours upon request

Colour Temperatures

2,200 K Tunable White 6,500 K

Standard CRI ≥ 80, upon request CRI ≥ 90

Light Distributions

TP58
Asymmetric Side and Forward Throw

IR3

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<td>15.0</td>
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<td>1,800</td>
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<td>IR3</td>
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<td>72</td>
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<td>0.04</td>
<td>15.0</td>
<td>3</td>
<td>2,700</td>
<td>36</td>
<td>508</td>
<td>/</td>
<td>72</td>
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</tbody>
</table>

IP65 R035 IK08

IR: In 0.5 m steps
0 Further details on poles see p. 58–61
1 Projected windage area [m²]
2 Lateral windage area [m²]
3 Max. weight [kg]
4 Excluding pole
5 [mm]
A–Series

Models / Equipment Variations

<table>
<thead>
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<th>Model</th>
<th>LPH [m²]</th>
<th>Power [W]</th>
<th>LI [lm]</th>
<th>Luminous Flux [lm]</th>
<th>Pole</th>
<th>H [mm]</th>
<th>L [mm]</th>
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<td>150</td>
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<td>1–5</td>
<td>4–10</td>
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<td>10–50</td>
<td>490</td>
<td>150</td>
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</table>

Available Designs (also available as pendant)

- Single
- Double

Wall-mounted

- Housing accommodates up to 5 lighting units (LU), 16 / 32 / 48 / 64 / 80 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Smart Lighting control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, sidewalk lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 90° in 5° increments for pole-top, Ø 76 mm or Ø 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

COLOUR TEMPERATURES

- CRI ≥ 70
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Smart Lighting control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, sidewalk lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 90° in 5° increments for pole-top, Ø 76 mm or Ø 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

LIGHT DISTRIBUTIONS (also available in satiné version)

- DA400
- DA520

CONSTANTLY UPDATED DATA:

conf@edisonwco.com
Asymmetric Extra Forward
Asymmetric Side and Forward Throw

- Housing accommodates up to 5 lighting units (LU), 64 / 96 / 128 / 160 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Die-cast aluminum housing, pole adapter made of aluminum, swivels from 0° to 90° in 5° increments, for pole-top ⌀ 76 mm or ⌀ 60 mm
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Light Distributions

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<td>DA400</td>
<td>/ / / /</td>
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<td>6</td>
<td>0.14 / 0.07 / 11.5 / 11.5</td>
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<td>400 / 400 / 150 / 150</td>
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<td>10 / 10</td>
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<td>6–10</td>
<td>10 / 10</td>
<td>0.12 / 0.10 / 10.0 / 18.0</td>
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<td>60 / 60 / 600 / 522 / 192 / 600</td>
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<td>DAS2B-W</td>
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<td>60 / 60 / 600 / 522 / 192 / 600</td>
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<td></td>
</tr>
</tbody>
</table>

- Further details on page 37
- Projected windage area [m²]
- Lateral windage area [m²]
- Max. weight
- Excluding pole

---

CONSTANTLY UPDATED DATA: config@radioswiss.com

POLE / WALL MOUNTED SYSTEMS

Models / Equipment Variations

DA400
2 Lighting units
DA520
2–5 Lighting units

Available Designs (also available as pendant)

Single
Double

Wall mounted

Colour Temperatures

- 2,100 K Tunable White
- 6,500 K

Standard CRI ≥ 80, upon request CRI ≥ 90

Light Distributions

- Asymmetric Side and Forward
- Asymmetric Side and Forward Throw

---

36

37
## A-Series

### GO

**Models / Equipment Variations**

- **AS 06**: Asymmetric Extra Side Throw
- **AS 07**: Asymmetric Side Throw
- **AP 07**: Asymmetric Extra Forward
- **AH 02**: Symmetric Wide Flood
- **AS 08**: Asymmetric Side and Forward Throw
- **AS 09**: Asymmetric Extra Side Throw

**Available Designs**

- **GO 1 Lighting unit**
- **Single Wall-mounted**

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

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

**Colour Temperatures**

- 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, other colour rendering indexes available upon request**

**Light Distributions (also available in satiné version)**

- **AHS2**: Asymmetric Side Throw
- **APH7**: Asymmetric Extra Forward
- **ASH8**: Asymmetric Extra Side and Forward Throw
- **AS7**: Asymmetric Side Throw
- **A859**: Asymmetric Bulb side Throw

**Shape your own light**

Choose any light distributions

---

### Table: GO Models / Equipment Variations

<table>
<thead>
<tr>
<th>Model</th>
<th>Lumen [lm]</th>
<th>Power [W]</th>
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<th>NW&lt;sub&gt;90&lt;/sub&gt;</th>
<th>LU</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>L&lt;sub&gt;90&lt;/sub&gt;</th>
<th>L&lt;sub&gt;90&lt;/sub&gt;</th>
<th>H&lt;sub&gt;1&lt;/sub&gt;</th>
<th>B&lt;sub&gt;1&lt;/sub&gt;</th>
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<td>3,600</td>
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<td>GO–W</td>
<td>/</td>
<td>/</td>
<td>0.06</td>
<td>0.03</td>
<td>5.0</td>
<td>1</td>
<td>900–3,300</td>
<td>10–25</td>
<td>/</td>
<td>777</td>
<td>79</td>
<td>125</td>
</tr>
</tbody>
</table>

*Note: GO–W is available on request only. Further details on poles see p. 58–61.*
Models / Equipment Variations

POLE / WALL MOUNTED SYSTEMS

- Housing accommodates up to 5 lighting units (LU), 16 / 32 / 48 / 64 / 80 LEDs
- Current feed: 200 - 700 mA, depending on ambient temperature (FO460 with 3 lighting units max. 350 mA, FO600 max. 550 mA)
- Product compatible with A-Serie and T-Serie (LightTile)
- Electronic operating device with DALI, 1-10V interface, stand-alone programming or on-line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaires housing in stainless steel, pole adapter in aluminium.
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Available Designs (also available as pendant)

Single

Wall mounted

Luminous Flux [lm] Max. weight
- 900–15 000
- 900–10 000
- 900–5 000

Power [W]
- 10–95
- 10–95
- 10–70

Further details on poles see p. 58.

Light Distributions (also available in satiné version)

ASH2 Symmetric Wide Flood
ASH7 Asymmetric Extra Side Throw
ASG8 Asymmetric Extra Side Throw

ASH9 Asymmetric Side Throw
ASH10 Asymmetric Extra Side Throw

FO600

FO860

FO460

Model LPH [lm] Pole Asymmetrical Wide Flood Asymmetrical Extra Side Throw Asymmetrical Side Throw Luminous Flux [lm] Power [W] L1[L] H1[L] B1[L] L4[L] H4[L] B4[L] FO460 3-6.3 ME1, MSF4, MSF5, MS11 0.15 0.07 14.0 1-3 1,000-10,900 10-95 480 / 100 290 FO600 6.4-8 MS5, MSF8, MSF13, MS2 0.15 0.07 14.0 1-3 1,000-10,900 10-95 480 / 100 290 FO600-W / / 0.14 0.05 15.0 1-3 1,000-10,900 10-95 480 509 100 290 FO860 6.4-8 MS5, MSF8, MSF13, MS2 0.19 0.08 17.0 3-5 2,900-15,400 30-135 600 / 100 290 FO860 8.1-10 MS4, MSF10, MSF9, MS6 0.16 0.08 17.0 3-5 2,900-15,900 30-135 600 / 100 290 FO860-W / / 0.18 0.06 18.0 3-5 2,900-15,400 30-135 600 645 100 290

FO 41

A–Series

CONSTANTLY UPDATED DATA: configрадиосети.com

Colour Temperatures

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, other colour rendering indexes available upon request

IP65 R/O5 908

- 40 41

B1

H1

ffiorn fi59case  L1  ffiorn fi(9case ffiorn fi59case  L2  ffiorn fi(9case
H1
ffiorn fi59case  LPH  ... 80, other colour rendering indexes available upon request
Light Distributions (also available in satiné version)
FO

LightTile

POLE / WALL MOUNTED SYSTEMS

Models / Equipment Variations

Available Designs (also available as pendant)

- Housing accommodates up to 5 lighting units (LU), 64 / 96 / 128 / 160 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaire housing in stainless steel, pole adapter in aluminium
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

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<tr>
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<tr>
<td>FO450 3–6</td>
<td>36</td>
<td>14.0 2–3 2,700</td>
<td>480 / 100 290</td>
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<tr>
<td>FO450 6.4–8</td>
<td>36</td>
<td>14.0 2–3 2,700</td>
<td>480 / 100 290</td>
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<tr>
<td>FO450-W</td>
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<td>480 505 / 100 290</td>
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<td>600 / 100 290</td>
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<td>FO600 8.1–10</td>
<td>60</td>
<td>17.0 3–5 4,600</td>
<td>600 900 / 100 290</td>
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<tr>
<td>FO600-W</td>
<td>/ / 18.0 3–5 4,600</td>
<td>600 645 / 100 290</td>
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Models / Equipment Variations

- Constantly updated data: configurator.ewo.com

**(constantly updated data: configurator.ewo.com)**
A–Series

Models / Equipment Variations

<table>
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<td>5–6</td>
<td>MIS, MSF11</td>
<td>0.27</td>
<td>0.11</td>
<td>21.5</td>
<td>1–4</td>
<td>0.00–15,700</td>
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<td>108</td>
<td>268</td>
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<td>FN1000-B</td>
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<td>MIS, MSF8, MSF4, MSF9</td>
<td>0.27</td>
<td>0.11</td>
<td>21.5</td>
<td>1–4</td>
<td>0.00–15,700</td>
<td>10–105</td>
<td>1.00</td>
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<td>268</td>
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<td>FN1000-R</td>
<td>5–6</td>
<td>MIS, MSF11</td>
<td>0.27</td>
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<td>24.0</td>
<td>1–4+1</td>
<td>1,900–19,600</td>
<td>20–170</td>
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<td>268</td>
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<tr>
<td>FN1000-R-B</td>
<td>6–10</td>
<td>MIS, MSF8, MSF4, MSF9</td>
<td>0.27</td>
<td>0.11</td>
<td>24.0</td>
<td>1–4+1</td>
<td>1,900–19,600</td>
<td>20–170</td>
<td>1.00</td>
<td>108</td>
<td>268</td>
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<tr>
<td>FN1100</td>
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<td>MIS, MSF8, MSF4, MSF9</td>
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<td>0.14</td>
<td>29.0</td>
<td>5–6</td>
<td>4,700–19,190</td>
<td>50–150</td>
<td>1.30</td>
<td>108</td>
<td>268</td>
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<tr>
<td>FN1300-B</td>
<td>5–6</td>
<td>MIS, MSF8, MSF4, MSF9</td>
<td>0.35</td>
<td>0.14</td>
<td>28.5</td>
<td>5–6+1</td>
<td>5,700–22,190</td>
<td>60–185</td>
<td>1.30</td>
<td>108</td>
<td>268</td>
<td></td>
</tr>
</tbody>
</table>

- Housing accommodates up to 6 lighting units (LU), 18 / 36 / 48 / 64 / 80 / 96 LEDs
- Current feed: 200–700 mA, depending on ambient temperature [FN1300-B] max. 500 mA
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Product variant FN-B: additional lighting unit at the back
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing made of extruded aluminum profile
- Finish: polyester powder coating, anthracite (DE-713), other colours upon request

FN1000-B

Available Design

Product Variations

- Colour Rendering Index (CRI) ≥ 80
- 2,200 K, 2,700 K, 3,000 K, 4,000 K, 5,700 K, CRI ≥ 70
- CRI ≥ 80, other colour rendering indexes available upon request

Light Distributions (also available in satiné version)

- Asymmetric Side Throw (AS)
- Extra Side Throw (ES)
- Asymmetric Wide Flood (AH)
- Asymmetric Side Flood (AF)
- Asymmetric Extra Flood (AE)
- Asymmetric Extra Side Flood (AS)
- Forward – Left (FL)
- Forward – Right (FR)
- Extra Forward (EF)
- Extra Side Flood (ESF)
- Asymmetric Side Flood (ASF)
- Asymmetric Side Throw (AST)
- Asymmetric Extra Side Throw (AES)
- Extra Side Throw (EST)

- Shape your own light
- Shape your own backlight
- Shape your own light distribution

CONSTANTLY UPDATED DATA:
configurelodes.com

44
**LightTile**

- Housing accommodates up to 6 lighting units (LU), 64 / 96 / 128 / 160 / 192 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Product variant FN-B: additional lighting unit at the back
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing made of extruded aluminium profile
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

**Available Design**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
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<td>2-4</td>
<td>3,600</td>
<td>48</td>
<td>1,000</td>
<td>108</td>
<td>268</td>
</tr>
<tr>
<td>FN1000-B</td>
<td>2-4+1</td>
<td>4,600</td>
<td>60</td>
<td>1,000</td>
<td>108</td>
<td>268</td>
</tr>
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<td>FN1300</td>
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<td>83</td>
<td>1,300</td>
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<td>268</td>
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<tr>
<td>FN1300-B</td>
<td>5-6+1</td>
<td>8,000</td>
<td>108</td>
<td>1,300</td>
<td>108</td>
<td>268</td>
</tr>
</tbody>
</table>

**Colour Temperatures**

- Standard CRI ≥ 80, upon request CRI ≥ 90

**Light Distributions**

- T811: Asymmetric Side and Forward Throw

**CONSTANTLY UPDATED DATA:**

configured.eewo.com
POLE / WALL MOUNTED SYSTEMS

Models / Equipment Variations

CO500
1–4 Lighting units

CO600
4–5 Lighting units

Available Designs (also available as pendant)

Single

Double

Wall-mounted

CONSTANTLY UPDATED DATA:
config@radioroses.com

– Housing accommodates up to 5 lighting units (LU), 16 / 32 / 48 / 64 / 80 LEDs
– Current feed: 200–1000 mA, depending on ambient temperature
– Product compatible with A–Series and T–Series (LightTile)
– Electronic operating device with DALL–5–10V interface, stand-alone programming or Line Switch available upon request
– Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
– Smart Lighting control modules for different communication standards optionally integrated or via external Zhaga interface
– Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
– Lens made from PMMA
– Cover in single-pane safety glass (ESG)
– Luminaire housing and pole adapter made of aluminium
– Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Light Distributions (also available in satiné version)

- AS02: Asymmetric Wide Flood
- AS06: Asymmetric Extra Side Throw
- AS08: Asymmetric Edge Flood
- AS09: Asymmetric Edge Edge Flood
- AS10: Asymmetric Extra Fuck
- AS12: Asymmetric Fuck

Lighting units (LU), different communication standards

– Current feed: 200–1000 mA, depending on ambient temperature
– Product compatible with A–Series and T–Series (LightTile)
– Electronic operating device with DALL–5–10V interface, stand-alone programming or Line Switch available upon request
– Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
– Smart Lighting control modules for different communication standards optionally integrated or via external Zhaga interface
– Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
– Lens made from PMMA
– Cover in single-pane safety glass (ESG)
– Luminaire housing and pole adapter made of aluminium
– Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Colour Temperatures

- CRI ≥ 70
- IP65
- IK08

Constant lumen output (CLO) and emergency power supply (AC/DC)

Lens made from PMMA

Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Shape your own light

Luminous Flux [lm], other colour rendering indexes available upon request.
**LightTile**

- Housing accommodates up to 5 lighting units (LU), 64 / 96 / 128 / 160 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaire housing and pole adapter made of aluminium
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

### Models | Equipment Variations
---|---
**CO500** | 2-4 Lighting units
**CO600** | 4-5 Lighting units

### Available Designs (also available as pendant)
- Single
- Double

### Dimension (values see table)

### Light Distributions
- TPBB: Asymmetric Bola, Forward
- TS11: Asymmetric Side and Forward Throw

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>LU</th>
<th>D1</th>
<th>H1</th>
<th>L1</th>
<th>LU max. Luminous Flux [lm]</th>
<th>Max. Power [W]</th>
<th>D1/H1/L1 [mm]</th>
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</thead>
<tbody>
<tr>
<td>CO500</td>
<td>3-5</td>
<td>0.21</td>
<td>0.08</td>
<td>14.0</td>
<td>2-4</td>
<td>3.600</td>
<td>48</td>
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<td>CO500</td>
<td>6-8</td>
<td>0.21</td>
<td>0.08</td>
<td>14.0</td>
<td>2-4</td>
<td>3.600</td>
<td>48</td>
</tr>
<tr>
<td>CO600-W</td>
<td>/</td>
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<tr>
<td>CO600</td>
<td>8-10</td>
<td>0.29</td>
<td>0.07</td>
<td>19.0</td>
<td>4-5</td>
<td>4.600</td>
<td>60</td>
</tr>
<tr>
<td>CO600-W</td>
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<td>/</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td>/</td>
</tr>
</tbody>
</table>

**CO500**

- Series: 3-5
- LED: MS, MSF, MSI, MS11
- Max. Luminous Flux [lm]: 3.600
- Max. Power [W]: 48
- D1/H1/L1 [mm]: 500/116

**CO600**

- Series: 8-10
- LED: MS, MSF, MSI, MS11
- Max. Luminous Flux [lm]: 4.600
- Max. Power [W]: 60
- D1/H1/L1 [mm]: 600/116

**CO600-W**

- Series: 8-10
- LED: MS, MSF, MSI, MS11
- Max. Luminous Flux [lm]: 4.600
- Max. Power [W]: 60
- D1/H1/L1 [mm]: 600/116

**CONSTANTLY UPDATED DATA:**
const@radios吴.com
A–Series

Models / Equipment Variations

- Housing accommodates up to 8 lighting units (LU), 16 / 24 / 32 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting control modules for different communication standards optionally integrated or via external Zhaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminare housing in aluminium
- Finish: polyester powder coating, anthracite (DB 703)
- other colours upon request

Available Design

Colour Temperatures

<table>
<thead>
<tr>
<th>Colour Temperature</th>
<th>CRI ≥ 70</th>
<th>CRI ≥ 80</th>
<th>CRI ≥ 90</th>
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<tr>
<td>2,200 K</td>
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<td>2,700 K</td>
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<td></td>
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<td>3,000 K</td>
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<tr>
<td>11,000 K</td>
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Light Distributions (also available in satiné version)

- A009: Asymmetric Backside Throw
- A010: Asymmetric Backside Forward
- A018: Asymmetric Backside Side Throw
- A027: Asymmetric Backside
- A028: Asymmetric Backside and Forward Throw
- A053: Asymmetric Forward – Left
- A054: Asymmetric Forward – Right
- A077: Asymmetric Side Throw
- A078: Asymmetric Side and Forward Throw
- A080: Asymmetric Side Throw
- A081: Asymmetric Side Throw
- A082: Asymmetric Side Throw

Shape your own light
Combine any light distributions

CRI ≥ 70, other colour rendering indexes available upon request

CONSTANTLY UPDATED DATA:
constant dwelling.com
**CN LightTile**

- Housing accommodates up to 8 lighting units (LU), 32 / 64 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaries housing in aluminium
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

### Models / Equipment Variations

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<tr>
<td>CN600</td>
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<td>7,300</td>
<td>95</td>
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### Pole Luminaire

- Available Design

- Colour Temperatures
  - 2,200 K Tunable White 6,500 K

- Standard CRI ≥ 80, upon request CRI ≥ 90

- Light Distributions
  - TP88 Asymmetric Side Forward
  - TS11 Asymmetric Side and Forward Throw

### Dimension (values see table)

- Excluding pole

### CONSTANTLY UPDATED DATA:

con@parseescom
### A–Series

#### Pole Luminaire

- Housing accommodates up to 48 LEDs
- Current feed: 200–600 mA, depending on ambient temperature
- Product compatible with A–Series
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant luminous flux (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards available
- Various light distributions for area, street and walkway lighting
- Lenses made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaire housing in aluminium
- Finish: polyester powder coating, anthracite (DR 703), other colours upon request

#### Models / Equipment Variations

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<th>48 LEDs</th>
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#### Dimension (values see table)

- Colour Temperatures
  - 2,200 K: CRI ≥ 70
  - 2,700 K: CRI ≥ 80
  - 3,000 K: CRI ≥ 70
  - 4,000 K: CRI ≥ 70
  - 5,700 K: CRI ≥ 70

- Shape your own light: customise your light distribution

### Colour Temperatures

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<th>CRI ≥ 70</th>
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<tr>
<td>5,700 K</td>
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</table>

### Light Distributions

- Asymmetric Side Throw
- Asymmetric A07

#### Smart Lighting

- Control modules for different communication standards available
- Various light distributions for area, street and walkway lighting
- Lenses made from PMMA
- Cover in single-pane safety glass (ESG)
- Luminaire housing in aluminium
- Finish: polyester powder coating, anthracite (DR 703), other colours upon request

**CONSTANTLY UPDATED DATA:**

constantrosesco.com
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 we are also able to fabricate any number 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 Samthein, 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 / MH / MS**

#### Service door surface-mounted

<table>
<thead>
<tr>
<th>Pole</th>
<th>H3 [mm]</th>
<th>D1 [mm]</th>
<th>D3 [mm]</th>
<th>H1 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH40-F</td>
<td>85</td>
<td>114.3</td>
<td>76.1</td>
<td>800(0)</td>
</tr>
<tr>
<td>MS40-F</td>
<td>85</td>
<td>114.3</td>
<td>76.1</td>
<td>1,000(0)</td>
</tr>
<tr>
<td>MH120-F</td>
<td>140</td>
<td>114.3</td>
<td>88.9</td>
<td>800(0)</td>
</tr>
<tr>
<td>ME70-F</td>
<td>/</td>
<td>114.3</td>
<td>/</td>
<td>800(0)</td>
</tr>
<tr>
<td>ME70-F</td>
<td>/</td>
<td>133</td>
<td>/</td>
<td>1,000(0)</td>
</tr>
<tr>
<td>MS40-F</td>
<td>90</td>
<td>133</td>
<td>114.3</td>
<td>1,000(0)</td>
</tr>
<tr>
<td>MS100-F</td>
<td>90</td>
<td>133</td>
<td>114.3</td>
<td>1,000(0)</td>
</tr>
<tr>
<td>MS110-F</td>
<td>90</td>
<td>133</td>
<td>114.3</td>
<td>800(0)</td>
</tr>
</tbody>
</table>

#### Service door flush-mounted

<table>
<thead>
<tr>
<th>Pole</th>
<th>H3 [mm]</th>
<th>D1 [mm]</th>
<th>D3 [mm]</th>
<th>H1 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS110-F</td>
<td>90</td>
<td>133</td>
<td>114.3</td>
<td>1,000(0)</td>
</tr>
</tbody>
</table>

H4 = Variable length (depending on the light point height)

H5 = Total length of pole (depending on the light point height)
**A-Series**

**Models / Equipment Variations**

- Housing accommodates up to 6 lighting units (LU) 1/3 / 4 / 6 / 8 / 96 LEDs
- Current feed 200–700 mA, depending on ambient temperature (FA1070 max. 550 mA)
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI, 1-10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Smart Lighting: control modules for different communication standards optionally integrated or via external Zbaga interface
- Various light distributions for area, street, walkway lighting and lighting of pedestrian crossings
- Lens made from PMMA
- Housing made of extruded aluminium profile (optional COR-TEN steel)
- Pole made of extruded aluminium profile (optional COR-TEN steel) with cable insertion opening, junction box and service door
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 702), other colours upon request (optional COR-TEN steel)

**Available Designs (also available as pendant)**

- Single
- Double (staggered)

**Product Variations**

- Wall mounted
- Double T
- Double (staggered)

**Dimensions (values see table)**

- Wall-mounted COR-TEN steel
- Combination with EL

**CONSTANTLY UPDATED DATA:**

- Colour Temperatures
  - 2,200 K
  - 2,700 K  CRI ≥ 70
  - 3,000 K  CRI ≥ 80
  - 4,000 K
  - 5,700 K

- CRI ≥ 80, other colour rendering indexes available upon request

- Light Distributions (also available in satiné version)

- Asymmetric Side Throw
- Asymmetric Extra Side Throw
- Asymmetric Extra Side Throw
- Asymmetric Extra Side Throw
- Asymmetric Extra Side Throw
- Asymmetric Extra Side Throw
- Asymmetric Extra Side Throw

- Shape your own light combinations with different light distributions

**Model** | **LPH [lm]** | **CRI** | **K** | **LU** | **Luminous Flux [lm]** | **Power [W]** | **LE [lm]** | **L [W]** | **H [m]** | **B [m]**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
FA125-W | / | 0.09 | 0.03 | 10.3 | 1-2 | 1,000–7,700 | 10–65 | / | 410 | 85 | 230
FA770 | 2–5 | 0.13 | 0.06 | 14.5 | 4–6 | 1,000–15,500 | 10–135 | 770 | 85 | 230
FA770-W | / | 0.16 | 0.06 | 14.5 | 4–6 | 1,000–15,500 | 10–135 | / | 750 | 85 | 230
FA770 D | 8–8 | 0.29 | 2.14 | 17.5 | 9–6 | 4,700–19,320 | 50–160 | 1,070 | 758 | 258

* Single version with aluminium pole LPH = 4 in standard telescopic element with service cage
* Single version with aluminium pole LPH = 8 in standard telescopic element with service cage
* Single version with aluminium pole LPH = 16 in standard telescopic element with service cage

**Model** | **LPH [lm]** | **CRI** | **K** | **LU** | **Luminous Flux [lm]** | **Power [W]** | **LE [lm]** | **L [W]** | **H [m]** | **B [m]**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
FA770 | / | 0.09 | 0.03 | 10.3 | 1-2 | 1,000–7,700 | 10–65 | / | 410 | 85 | 230
FA770 | 2–5 | 0.13 | 0.06 | 14.5 | 4–6 | 1,000–15,500 | 10–135 | 770 | 85 | 230
FA770-W | / | 0.16 | 0.06 | 14.5 | 4–6 | 1,000–15,500 | 10–135 | / | 750 | 85 | 230
FA770 D | 8–8 | 0.29 | 2.14 | 17.5 | 9–6 | 4,700–19,320 | 50–160 | 1,070 | 758 | 258

* Single version with aluminium pole LPH = 4 in standard telescopic element with service cage
* Single version with aluminium pole LPH = 8 in standard telescopic element with service cage
* Single version with aluminium pole LPH = 16 in standard telescopic element with service cage

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**Models / Equipment Variations**

- **FA410-W**
  - 2 Lighting units
  - LPH (m)

- **FA770**
  - 2–4 Lighting units
  - LPH (m)

- **FA1070**
  - 5–6 Lighting units
  - LPH (m)

**Available Designs (also available as pendant)**

<table>
<thead>
<tr>
<th>Design</th>
<th>Model</th>
<th>LPH (m)</th>
<th>LU</th>
<th>Max. Luminous Flux [lm]</th>
<th>Max. Power [W]</th>
<th>L/M</th>
<th>W/M</th>
<th>H/L</th>
<th>B/L</th>
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<td>Single</td>
<td>FA410</td>
<td>6.09</td>
<td>2</td>
<td>1,800</td>
<td>24</td>
<td>410</td>
<td>85</td>
<td>230</td>
<td></td>
</tr>
<tr>
<td>Double</td>
<td>FA770</td>
<td>2.5/6</td>
<td>2–4</td>
<td>3,600</td>
<td>48</td>
<td>770</td>
<td>85</td>
<td>230</td>
<td></td>
</tr>
<tr>
<td>Double (staggered)</td>
<td>FA1070</td>
<td>6–8</td>
<td>2–4</td>
<td>3,600</td>
<td>48</td>
<td>770</td>
<td>85</td>
<td>230</td>
<td></td>
</tr>
</tbody>
</table>

**LEDs**

- Single version with aluminium pole LPH=6 m and telescopic element with anchor cage
- **FA410-W**
  - Projected windage area [m²]
  - Lateral windage area [m²]
  - Max. weight

**Light Distributions**

- **T808**
  - Asymmetric Sides / Forward
  - **T811**
  - Asymmetric Sides and Forward Throw

**Standard CRI ≥ 80; upon request CRI ≥ 90**

**Colour Temperatures**

- 2,000 K
- Tunable White 6,500 K

**CONSTANTLY UPDATED DATA:**

configradiosseo.com

Lighting packages made from PMMA

Cover in single-pane safety glass (ESG)

Housing made of extruded aluminium profile (optional COR-TEN steel)

**Product Variations**

- Wall-mounted
  - **FA770**
  - COR-TEN steel
  - Combination with EL

- Wall-mounted
  - **FA410-W**
  - **FA1070**

**Product Variations**

- Available in single or dual
- Single version with aluminium pole LPH=6 m and telescopic element with anchor cage
- **FA410-W**
  - LPH (m)

**Models / Equipment Variations**

- Housing accommodates up to 6 lighting units (LU):
  - 64 / 96 / 128 / 160 / 192 LEDs
  - Current feed up to 225 mA, depending on ambient temperature
  - Product compatible with A–Series and T–Series (LightTile)
  - Electronic operating device with DALI T8 interface
  - Various light distributions for area, street and walkway lighting
  - Light-guiding panels made from PMMA
  - Cover in single-pane safety glass (ESG)
  - Housing made of extruded aluminium profile (optional COR-TEN steel)
  - Pole made of extruded aluminium profile (optional COR-TEN steel)
  - Various light distributions for area, street and walkway lighting
  - Light-guiding panels made from PMMA
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  - Pole made of extruded aluminium profile (optional COR-TEN steel)
  - Various light distributions for area, street and walkway lighting
  - Light-guiding panels made from PMMA
  - Cover in single-pane safety glass (ESG)
  - Housing made of extruded aluminium profile (optional COR-TEN steel)
  - Pole made of extruded aluminium profile (optional COR-TEN steel)
### A-Series

#### Bollards / Pole Mounted Systems

**Models / Equipment Variations**

<table>
<thead>
<tr>
<th>Model</th>
<th>LPH [m²]</th>
<th>$M_1$</th>
<th>$M_2$</th>
<th>LU</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>$L_1$ [m]</th>
<th>$H_1$ [m]</th>
<th>$B_1$ [m]</th>
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</thead>
<tbody>
<tr>
<td>FA170</td>
<td>1</td>
<td>0.04</td>
<td>0.20</td>
<td>14.5</td>
<td>1500–1900</td>
<td>9–17</td>
<td>178</td>
<td>80</td>
<td>200</td>
</tr>
<tr>
<td>FA170</td>
<td>1-4</td>
<td>0.04</td>
<td>0.80</td>
<td>46.5</td>
<td>1500–1900</td>
<td>9–17</td>
<td>178</td>
<td>80</td>
<td>200</td>
</tr>
<tr>
<td>FA200-W</td>
<td>0.02</td>
<td>0.02</td>
<td>4.5</td>
<td>1</td>
<td>500–1500</td>
<td>9–13</td>
<td>100</td>
<td>80</td>
<td>200</td>
</tr>
</tbody>
</table>

- Housing accommodates 1 lighting unit (LU), 8 LEDs
- Current feed: 200–700 mA, depending on ambient temperature (FA200-W 200–550 mA)
- Product compatible with A-Series
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant luminous output (LCO) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, street and walkway lighting
- Lens made of PMMA
- Cover in single-pane safety glass (ESG)
- Housing made of extruded aluminium profile (optional COR-TEN steel)
- Pole made of extruded aluminium profile (optional COR-TEN steel) with cable-mitigation opening, junction box and service door
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 702), other colours upon request (optionally COR-TEN steel)

#### Colour Temperatures

- 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

#### Light Distributions (also available in satiné version)

- Housing accommodates 1 lighting unit (LU), 8 LEDs
- Current feed: 200–700 mA, depending on ambient temperature (FA200-W 200–550 mA)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant luminous output (LCO) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, street and walkway lighting
- Lens made of PMMA
- Cover in single-pane safety glass (ESG)
- Housing made of extruded aluminium profile (optional COR-TEN steel)
- Pole made of extruded aluminium profile (optional COR-TEN steel) with cable-mitigation opening, junction box and service door
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 702), other colours upon request (optionally COR-TEN steel)

#### Available Designs

- Single
- Double T
- Wall-mounted

- Pole luminaire/bollard polyester powder coated
- Pole luminaire/bollard COR-TEN steel

**CONSTANTLY UPDATED DATA:**

const@radioswiss.com

---

* Single version with aluminium pole LPH = 1 m and buried base  ** Single version with aluminium pole LPH = 4 m and buried base

### Shape your own light

Combine any light distributions
**A–Series**

**BOLLARDS / WALL MOUNTED SYSTEMS**

**Available Designs**

- Single
- Wall-mounted

**Accessory**

**Ground Spike**

**CONSTANTLY UPDATED DATA:**
const.cpandosee.com

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>LPM [lm]</th>
<th>F</th>
<th>$L_1$</th>
<th>$L_2$</th>
<th>$H_1$</th>
<th>$B_1$</th>
<th>LU</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>L</th>
<th>$L_1$</th>
<th>$L_2$</th>
<th>$H_1$</th>
<th>$B_1$</th>
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<tr>
<td>P</td>
<td>0.8</td>
<td>0.01</td>
<td>0.07</td>
<td>6.5</td>
<td>1</td>
<td>250–350</td>
<td>5</td>
<td>120</td>
<td>/</td>
<td>7</td>
<td>40</td>
<td>74</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P–W</td>
<td>/</td>
<td>0.01</td>
<td>0.01</td>
<td>0.5</td>
<td>1</td>
<td>280–350</td>
<td>5</td>
<td>/</td>
<td>115</td>
<td>40</td>
<td>74</td>
<td></td>
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</tr>
</tbody>
</table>

*Other LPM available upon request*

**Colour Temperatures**

- 2,200 K: CRI ≥ 70
- 2,700 K: CRI ≥ 70
- 3,000 K: CRI ≥ 80
- 4,000 K: CRI ≥ 70

**Light Distributions**

- **AP05 satiné** (Tilt 5.5°)
  - Asymmetric Frontal Horizontal
- **AP06 satiné** (Tilt 5.5°)
  - Asymmetric Frontal / Asymmetric Back Three
- **AS06 satiné** (Tilt 5.5°)
  - Asymmetric Back Three

**IF**

- Housing accommodates 1 lighting unit 3,0, 4 LEDs
- Current feed: 250 mA
- Product compatible with A–Series
- Electronic control gear integrated
- Various light distributions for walkway lighting
- Lens made from PMMA
- Die-cast aluminum housing
- Pole made of extruded aluminum profile
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 702), other colours upon request

**IP65 / IP22 RoHS IK05**

**Available Designs**

- Single
- Wall-mounted
ifround
A–Series

BOLLARDS / WALL MOUNTED SYSTEMS

CONSTANTLY UPDATED DATA:
config.ifround-sees.com

Constants

- Housing accommodates 1 lighting unit (LU), 4 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- Product compatible with A–Series
- Electronic control gear integrated
- Various light distributions for walkway lighting
- Lens made from PMMA
- Cover in single-pane safety glass (ESG), satin-finished
- Die-cast aluminium housing
- Pole made of extruded aluminium profile
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 703), other colours upon request

Available Designs

![Single](image1)

![Wall-mounted](image2)

Ground Spike

Accessories

![ifround](image3)

Colour Temperatures

- 2,000 K: CRI ≥ 70
- 2,700 K: CRI ≥ 70
- 3,000 K: CRI ≥ 80
- 4,000 K: CRI ≥ 70

CRI ≥ 80, other colour rendering indexes available upon request

Light Distributions

- Ground Spike
- Single
- Wall-mounted

Dimensions (values see table)

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<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
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<td>0.9</td>
<td>0.02</td>
<td>0.07</td>
<td>3.0</td>
<td>1</td>
<td>190–730</td>
<td>2.0–7.0</td>
<td>140</td>
<td>70</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Round–W</td>
<td>/</td>
<td>0.02</td>
<td>0.01</td>
<td>0.8</td>
<td>1</td>
<td>190–730</td>
<td>2.5–7.0</td>
<td>140</td>
<td>152</td>
<td>40</td>
<td>75</td>
<td></td>
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</tbody>
</table>

Other LPH available upon request.
Projected windage area [m²]
Lateral windage area [m²]
Max. weight
Pole included

If round–W:

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<thead>
<tr>
<th></th>
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<td></td>
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</tbody>
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Other LPH available upon request.
Projected windage area [m²]
Lateral windage area [m²]
Max. weight
Pole included

Shape your own light
Combine any light distributions

Colour your light
Combine any light distributions

Housing accommodates 1 lighting unit (LU), 4 LEDs
Current feed: 200–500 mA, depending on ambient temperature
Product compatible with A–Series
Electronic control gear integrated
Various light distributions for walkway lighting
Lens made from PMMA
Cover in single-pane safety glass (ESG), satin-finished
Die-cast aluminium housing
Pole made of extruded aluminium profile
Finish: polyester powder coating, silver grey (RAL 9007 / DB 703), other colours upon request

Light Distributions

- Ground Spike
- Single
- Wall-mounted

Dimensions (values see table)

<table>
<thead>
<tr>
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<td>Round–W</td>
<td>/</td>
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<td>0.8</td>
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<td>140</td>
<td>152</td>
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<td>75</td>
<td></td>
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</tr>
</tbody>
</table>

Other LPH available upon request.
Projected windage area [m²]
Lateral windage area [m²]
Max. weight
Pole included

Shape your own light
Combine any light distributions

Colour your light
Combine any light distributions

Housing accommodates 1 lighting unit (LU), 4 LEDs
Current feed: 200–500 mA, depending on ambient temperature
Product compatible with A–Series
Electronic control gear integrated
Various light distributions for walkway lighting
Lens made from PMMA
Cover in single-pane safety glass (ESG), satin-finished
Die-cast aluminium housing
Pole made of extruded aluminium profile
Finish: polyester powder coating, silver grey (RAL 9007 / DB 703), other colours upon request

Light Distributions

- Ground Spike
- Single
- Wall-mounted

Dimensions (values see table)

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Other LPH available upon request.
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Lateral windage area [m²]
Max. weight
Pole included

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Light Distributions

- Ground Spike
- Single
- Wall-mounted

Dimensions (values see table)

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<td>Round–W</td>
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<td>0.02</td>
<td>0.01</td>
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<td>1</td>
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<td>2.5–7.0</td>
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### Dimension (values see table)

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<tr>
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<th>L</th>
<th>W</th>
<th>H</th>
<th>Elements</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>L1 [%]</th>
<th>H1 [%]</th>
<th>L2 [%]</th>
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</tbody>
</table>

### Light Distributions

- **TPB6** Asymmetric Tilt, Forward
- **TS11** Asymmetric Tilt and Forward Throw

### Colour Temperatures
- 2,200 K Tunable White: 6,500 K

### Standard CRI:
- ≥ 80, upon request CRI ≥ 90

### Models / Equipment Variations

- Housing accommodates up to 3 lighting units (LU), 64 / 96 LEDs per element
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI T8 interface
- Various light distributions for area, street and walkway lighting
- Light-guiding panels made from PMMA
- Recessed in stainless steel, harmless cover in single-pane safety glass (ESG)
- Pole made of extruded aluminum profile (optional COR-TEN steel) with cable insertion opening, junction box and service door
- Finish: polyester powder coating, silver grey (RAL 9007 / DB 702)
- other colours upon request (optionally COR-TEN steel)
ZA
A–Series

Light Column

Constantly updated data:
config@uegine.com

- Housing accommodates up to 4 lighting units (LU), 4 LEDs
- Current feed: 200–700 mA, depending on ambient temperature
- Product compatible with A–Series
- Electronic operating device with DALI / 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, street and walkway lighting
- Lens made from PMMA
- Base body made of aluminum, PMMA tube (satiné)
- Flush service door with junction box
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Colour Temperatures

Table: Colour Rendering Index (CRI) ≥ 80, other colour rendering indexes available upon request

<table>
<thead>
<tr>
<th>Colour Temperature</th>
<th>CRI ≥ 70</th>
<th>CRI ≥ 80</th>
<th>CRI ≥ 90</th>
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<tbody>
<tr>
<td>2,200 K</td>
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<td>3,000 K</td>
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<td>4,000 K</td>
<td>≥ 70</td>
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<td>5,700 K</td>
<td>≥ 70</td>
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<tbody>
<tr>
<td>ZA190</td>
<td>3.5</td>
<td>0.13</td>
<td>0.03</td>
<td>0.89</td>
<td>45.0</td>
<td>4</td>
<td>1.100–3.700</td>
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<td>190</td>
<td>3.650</td>
<td>1.780</td>
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</table>

Light Distributions (also available in satiné version)

- Asymmetric Side Throw
- Asymmetric Extra Forward

- Shape your own light
- Various light distributions

- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, street and walkway lighting
- Lens made from PMMA
- Base body made of aluminum, PMMA tube (satiné)
- Flush service door with junction box
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

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Light Distributions (also available in satiné version)

- Asymmetric Side Throw
- Asymmetric Extra Forward

- Shape your own light
- Various light distributions
- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, street and walkway lighting
- Lens made from PMMA
- Base body made of aluminum, PMMA tube (satiné)
- Flush service door with junction box
- Finish: polyester powder coating, anthracite (DB 703), other colours upon request

Colour Temperatures

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<td>1.780</td>
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</table>
**A–Series**

**Models / Equipment Variations**

**IDstandard**
- 1–2 LEDs

**IDstandard**
- 1 LED

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<table>
<thead>
<tr>
<th>Model</th>
<th>LEDs</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>L1 [mm]</th>
<th>B1 [mm]</th>
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<td>0.6–1.5</td>
<td>125</td>
<td>34</td>
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<tr>
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<td>1.18</td>
<td>160–290</td>
<td>1.2–3.0</td>
<td>125</td>
<td>34</td>
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</tbody>
</table>

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**Protection class III (< 18 LED)**

**Colour Temperatures**

- 2.000 K: CRI ≥ 70
- 2.700 K: CRI ≥ 70
- 3.000 K: CRI ≥ 80
- 4.000 K: CRI ≥ 70

**Light Distributions**

- Housing accommodates up to 2 lighting units (LU), 1 / 2 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- Product compatible with A–Series
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request, externally mounted
- Constant lumen output (CLU) and emergency power supply (AC/DC) available upon request
- Various light distributions for walkway lighting and others
- Lens made from PMMA
- Luminaire housing in aluminium, silver anodised
- Cover in PMMA

**Standard tube external diameter:** 42.4 mm

**Upon request:** 44.4 mm

**Thickness:** 2 mm

**Cross-section:** M 1.2
### Models / Equipment Variations

<table>
<thead>
<tr>
<th>Model</th>
<th>LEDs</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
<th>L1 [mm]</th>
<th>B1 [mm]</th>
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<tr>
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<td>200–580</td>
<td>2.4–6.1</td>
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</table>

- Housing accommodates up to 4 lighting units (L1), 1/2/3/4 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- Product compatible with A–Series
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request, external Driver
- Constant luminous output (L1) and emergency power supply (AC/DC) available upon request
- Various light distributions for walkway lighting and others
- Lighting unit continuously adjustable +/- 6°
- Lenses made from PMMA
- Luminaire housing in aluminium, anodised; black matt, RAL 9005
- Cover in PMMA

### Tube external diameter: 42.4 mm
Thickness: 2 mm
Cross-section M 1/2

### Protection class:
IP67, IK07

### Colour Temperatures

- CRI ≥ 70
- 2,200 K: CRI ≥ 80
- 2,700 K: CRI ≥ 70
- 3,000 K: CRI ≥ 80
- 4,000 K: CRI ≥ 70
- CRI ≥ 80, other colour rendering indexes available upon request

### Light Distributions

- AHE2 Symmetric Wide Flood
- AP96 Asymmetric Forward Slot Throw
- AP07 Asymmetric Fork / Forward
- AGS7 Asymmetric Stake Throw

### Cross-section M 1/2
A–Series

Models / Equipment Variations

- IN 1 – 1 Lighting unit
- IN 2 – 2 Lighting units
- IN 3 – 3 Lighting units

Available Designs

Recessed wall luminaire IN 1–IN 3-V04 (90° single LED row)

Accessory

Plasterkit
Stainless steel frame

Colour Temperatures

2,200 K CRI ≥ 80
2,700 K CRI ≥ 80
3,000 K CRI ≥ 80
4,000 K CRI ≥ 80

Other colour rendering indexes available upon request

Light Distributions

- Housing accommodates up to 3 lighting units (LU), 8 / 16 / 24 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
IN 1: 200–500 mA / IN 2: 200–400 mA / IN 3: 200–400 mA
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI, 1–10V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, walkway or indoor lighting
- Lighting unit adjustable +/- 5°
- Lens made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing in aluminium, coated black matt RAL 9005

CONSTANTLY UPDATED DATA: con@pandosees.com

<table>
<thead>
<tr>
<th>Model</th>
<th>LU</th>
<th>Luminous Flux [lm]</th>
<th>Power [W]</th>
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<th>L2</th>
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<td>6–12</td>
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<td>IN 2</td>
<td>8.5</td>
<td>2 410–1,000</td>
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<tr>
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<td>3 520–1,500</td>
<td>15–20</td>
<td>662</td>
<td>86</td>
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</table>

IN: Indoor
LU: Lighting unit
IP67: Robust IK10

LightTile

Models / Equipment Variations

- Housing accommodates up to 3 lighting units (LU), 32 / 64 / 96 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A–Series and T–Series (LightTile)
- Electronic operating device with DALI T8 interface, externally mounted for IN 1 and IN 2
- Various light distributions for area, walkway or indoor lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing in aluminium, coated black matt RAL 9005

RECESSED WALL LUMINAIRES

CONSTANTLY UPDATED DATA:
confortassee.com

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<td>2,000</td>
<td>36</td>
<td>662</td>
<td>86</td>
</tr>
</tbody>
</table>

Accessory

- Plasterkit
- Stainless steel frame

Colour Temperatures

- 2,100 K Tunable White 6,500 K
- Standard CRI ≥ 80, upon request CRI ≥ 90

Light Distributions

- TP98 Asymmetric Total Forward
- TS11 Asymmetric Side and Forward Throw

Standard CRI ≥ 80, upon request CRI ≥ 90

In 1 → 1 Lighting unit
In 2 → 2 Lighting units
In 3 → 3 Lighting units
## A-Series

### Dimension (values see table)

<table>
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</thead>
<tbody>
<tr>
<td>IN 1</td>
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<td>140–2,100</td>
<td>5–20</td>
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<td>86</td>
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<tr>
<td>IN 2</td>
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<td>2</td>
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<td>10–35</td>
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<tr>
<td>IN 5</td>
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<td>1,700–7,500</td>
<td>25–85</td>
<td>1,482</td>
<td>86</td>
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</table>

### Colour Temperatures

- 2,000 K: CRI ≥ 80
- 2,700 K: CRI ≥ 80
- 3,000 K: CRI ≥ 80
- 4,000 K: CRI ≥ 80

Other colour rendering indexes available upon request.

### Light Distributions

- Symmetric Narrow 60°
- Symmetric Medium 30°
- Symmetric Flood 80°
- Symmetric Elliptical 8°–40°
- Asymmetric Side Throw
- Asymmetric Extra Forward

Other light distributions for area, walkway or indoor lighting:

- Lighting unit adjustable ±5°
- Lamps made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing in aluminium, coated black matt RAL 9005

### Accessory

- Plastickit
- Stainless steel frame

### Available Designs

- Recessed in-ground IN 1–IN 5-V01 (double LED rows)
- Recessed in-ground IN 1–IN 5-V02 (central, single LED row)
- Recessed ceiling and in-ground IN 1–IN 3-V03 (single, staggered LED row)

### Models / Equipment Variations

- Housing accommodates up to 5 lighting units (LU), 8/16/32/48/80 LEDs
- Current feed: 200–500 mA, depending on ambient temperature
- IN 1: 200–500 mA / IN 2: 200–400 mA / IN 3: 200–400 mA
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request
- Various light distributions for area, walkway or indoor lighting
- Lighting unit adjustable ±5°
- Lamps made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing in aluminium, coated black matt RAL 9005

### Other Information

- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI, 1–10 V interface, stand-alone programming or Line Switch available upon request.
- Constant lumen output (CLO) and emergency power supply (AC/DC) available upon request.
- Various light distributions for area, walkway or indoor lighting.
- Lighting unit adjustable ±5°
- Lamps made from PMMA
- Cover in single-pane safety glass (ESG)
- Housing in aluminium, coated black matt RAL 9005

### Colour Rendering Indexes

- Colour Rendering Indexes available upon request.

### Light Distributions

- Also available in satiné version – spot optics excluded.
LightTile

Models / Equipment Variations

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<thead>
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<tr>
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<td>4,000</td>
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</table>

Accessory

Plasterkit
Stainless steel frame

Light Distributions

TP98  Asymmetric Extra Forward
TS11  Asymmetric Side and Forward Throw

CEILING MOUNT / IN-GROUND LUMINARIES

- Housing accommodates up to 5 lighting units (LU), 64 / 96 / 128 / 160 LEDs
- Current feed up to 225 mA, depending on ambient temperature
- Product compatible with A-Series and T-Series (LightTile)
- Electronic operating device with DALI interface, externally mounted for IN 1 and IN 2
- Various light distributions for area, walkway or indoor lighting
- Light-guiding panels made from PMMA
- Cover in single-pane safety glass (BS52)
- Housing in aluminium, coated black matt RAL 9005

Colour Temperatures

2,100 K Tunable White 6,500 K

Standard CRI ≥ 80, upon request CRI ≥ 90

Accessory

Plasterkit
Stainless steel frame

Dimension (values see table)

Max. weight: [mm] Max. power: [W]
A–Series

**Materials**
- Housing in anodised aluminium, silver finish
- Mounting bracket in stainless steel, satin finish
- Cover in tempered safety glass
- Precision lenses in PMMA
- Screws in stainless steel
- Protective vent
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland

**Application Area**
- Architectural lighting
- Object and effect lighting
- Floor, wall and ceiling mounting

**Light Source**
- 4 high-power LEDs

**Delivered lumens**
- 100–680 lm

**System Wattage**
- 2.5–8.5 W

**Current Feed**
- 200–700 mA

**Colour Temperatures**
- Standard CRI ≥ 80, other colour rendering indexes available upon request

**Light Distributions**
- Light distributions are available upon request

**Accessories**
- Fixed output or dimmable external driver
- DMX driver and controller
- Ground spike
- Connection cable
- Electrical connector

**Max. Weight**
- 0.9 kg

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A–Series

**Materials**
- Housing in anodised aluminium, silver finish
- Mounting bracket in stainless steel, satin finish
- Cover in tempered safety glass
- Precision lenses in PMMA
- Screws in stainless steel
- Protective vent
- Pre-wired supply cable 1-5 m, complete with water stop device
- Cable gland
- Internal driver

**Application Area**
- Architectural lighting
- Object and effect lighting
- Floor, wall and ceiling mounting

**Light Source**
- 4 high-power LEDs

**Delivered lumens**
- 165–680 lm

**System Wattage**
- 5.0–9.8 W

**Current Feed**
- 350–700 mA

**Colour Temperatures**
- Standard CRI ≥ 80, other colour rendering indexes available upon request

**Light Distributions**
- Light distributions are available upon request

**Accessories**
- Ground spike
- Connection cable
- Electrical connector

**Max. Weight**
- 1.4 kg
A–Series

Materials
- Housing in anodised aluminium, silver finish
- Mounting bracket in stainless steel, satin finish
- Cover in tempered safety glass
- Precision lenses in PMMA
- Screws in stainless steel
- Protective vent
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland

Application Area
- Architectural lighting
- Object and effect lighting
- Floor, wall and ceiling mounting

Light Source
- 16 high-power LEDs
  - Delivered lumens: 520–2,750 lm
  - System Wattage: 9.7–34 W
  - Current Feed: 200–700 mA

Light Distributions
- 2,200 K
- 3,000 K
- 4,000 K
- RGBW

Colour Temperatures
- Standard CRI ≥ 80
- Other colour rendering indexes available upon request

Accessories
- Fixed output or dimmable external driver
- DMX driver and controller
- Ground spike
- Connection cable
- Electrical connector

Max. Weight
- 2.7 kg

A–Series

Materials
- Housing in anodised aluminium, silver finish
- Mounting bracket in stainless steel, satin finish
- Cover in tempered safety glass
- Precision lenses in PMMA
- Screws in stainless steel
- Protective vent
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland

Application Area
- Architectural lighting
- Object and effect lighting
- Floor, wall and ceiling mounting

Light Source
- 8 high-power LEDs
  - Delivered lumens: 260–1,350 lm
  - System Wattage: 4.9–17 W
  - Current Feed: 250–700 mA

Light Distributions
- 2,200 K
- 3,000 K
- 4,000 K
- RGBW

Colour Temperatures
- Standard CRI ≥ 80
- Other colour rendering indexes available upon request

Accessories
- Fixed output or dimmable external driver
- DMX driver and controller
- Ground spike
- Connection cable
- Electrical connector

Max. Weight
- 1.7 kg
Materials
- Housing in anodised aluminium, silver finish
- Mounting bracket in stainless steel, satin finish
- Cover in tempered safety glass
- Precision lenses in PMMA
- Screws in stainless steel
- Protective vent
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland

Application Area
- Architectural lighting
- Object and effect lighting
- Floor, wall and ceiling mounting

Light Source
- 24 high-power LEDs
  - Delivered lumens: 790–4,100 lm
  - System wattage: 15–51 W
  - Current feed: 200–700 mA

- 32 high-power LEDs
  - Delivered lumens: 1,250–5,500 lm
  - System wattage: 20–65 W
  - Current feed: 200–700 mA

Colours
- Standard CRI ≥ 80, other colour rendering indexes available upon request

Accessories
- Fixed output or dimmable external driver
- DMX driver and controller
- Ground spike
- Connection cable
- Electrical connector

Light Distributions

- Light Distributions

  2,200 K
  2,700 K
  3,000 K
  4,000 K
  RGBW

Max. Weight
- 5.3 kg

P67 Nordisk W38

PROJECTORS

CONSTANTLY UPDATED DATA
con@nordiskw38.com
A–Series

**Materials / Characteristics**
- Housing in aluminium and stainless steel, internally black matt coated RAL 9005
- Recessed mounting sleeve in stainless steel
- Cover in tempered safety glass (3,000 kg pressure load capacity)
- Precision lenses in PMMA
- Screws in stainless steel
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland
- Connection cable
- Protective cover
- Light unit steplessly adjustable ± 15° in all directions

**Application Area**
- Architectural lighting
- Landscape lighting
- Floor mounting

**Light Source**
- 4 high-power LEDs
- System Wattage: 2.4–6.1 W
- Current Feed: 200–500 mA

**Delivered luminous flux**
- AGB1: 45–130 lm
- AGB2: 170–530 lm

**System Wattage**
- 0.6–1.5 W

**Colour Temperatures**
- Standard CRI ≥ 80, other colour rendering indexes available upon request

**Light Distributions**
- Symmetric Narrow 10°
- Symmetric Medium 26°
- Symmetric Flood 50°
- Symmetric Elliptical 8°–40°

**Accessories**
- Fixed output or dimmable external driver
- DMX driver and controller
- Connection cable
- Electrical connector
- Water stop device
- Designer fittings

**Max. Weight**
- 0.5 kg

**Constantly Updated Data**
[configurator.ewo.com](http://configurator.ewo.com)
### R130 A–Series

**Materials / Characteristics**
- Housing in aluminium and stainless steel, internally black matt coated
- RAL 9005
- Recessed mounting sleeve in stainless steel
- Cover in tempered safety glass (3,000 kg pressure load capacity)
- Precision lenses in PMMA
- Screws in stainless steel
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland
- Protective over
- Lighting unit steplessly adjustable ± 15° in all directions

**Application Area**
- Architectural lighting

**Accessories**
- Fixed output or dimmable driver
- DMX driver and controller
- Connection cable
- Electrical connector

**Light Source**
- 8 high-power LEDs
- Delivered lumens 280–1,270 lm
- System Wattage 4.8–12 W
- Current Feed 200–500 mA

**Min. Weight**
- 3 kg complete with driver

**Colour Temperatures**
- 2,200 K
- 2,700 K
- 3,000 K
- 4,000 K

**Light Distributions**
- Asymmetric Side Throw (AS)
- Symmetric Elliptical (AG)
- Symmetric Narrow (AG)
- Standard CRI ≥ 80

**Ground Luminaires**
- Complete with driver

**Constantly Updated Data**
[configurator.ewo.com](http://configurator.ewo.com)

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### R160 A–Series

**Materials / Characteristics**
- Housing in aluminium and stainless steel, internally black matt coated
- RAL 9005
- Recessed mounting sleeve in stainless steel
- Cover in tempered safety glass (3,000 kg pressure load capacity)
- Precision lenses in PMMA
- Screws in stainless steel
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland
- Protective over
- Lighting unit steplessly adjustable ± 15° in all directions

**Application Area**
- Architectural lighting

**Accessories**
- Fixed output or dimmable driver
- DMX driver and controller
- Connection cable
- Electrical connector

**Light Source**
- 16 high-power LEDs
- Delivered lumens 520–1,750 lm
- System Wattage 9.3–15 W
- Current Feed 200–400 mA

**Min. Weight**
- 6.5 kg complete with driver

**Colour Temperatures**
- 2,200 K
- 2,700 K
- 3,000 K
- 4,000 K

**Light Distributions**
- Asymmetric Extra Forward (AP)
- Symmetric Medide Wide Flood (AH)
- Symmetric Medium (AG)
- Standard CRI ≥ 80

**Ground Luminaires**
- Complete with driver

**Constantly Updated Data**
[configurator.ewo.com](http://configurator.ewo.com)
Materials / Characteristics
- Housing in aluminium and stainless steel, internally black matt coated RAL 9005
- Recessed mounting sleeve in stainless steel
- Cover in tempered safety glass (3,000 kg pressure load capacity)
- Precision lenses in PMMA
- Screws in stainless steel
- Pre-wired supply cable 0.50 m, complete with water stop device
- Cable gland
- Protective vent
- Lighting unit steplessly adjustable ±15° in all directions

Application Area
- Architectural lighting
- Object and effect lighting
- Floor mounting

Light Source
- 24 high-power LEDs
- Delivered lumens: 790–2,850 lm
- System Wattage: 15–29 W
- Current Feed: 200–400 mA

Light Distributions

Colour Temperatures
2,200 K 2,700 K 3,000 K 4,000 K RGBW

Standard CRI ≥ 80, other colour rendering indexes available upon request

Accessories
- Fixed output or dimmable driver
- DMX driver and controller
- Connection cable
- Electrical connector

Max. Weight
- 7.5 kg external driver
- 12.0 kg complete with driver

Contact for up-to-date data:
configurator.ewo.com
Urban bollard with symmetric light distribution for illuminating open spaces, additional accent lighting at ground level

**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 aluminium, sealed with polyurethane resin
- Electronic control gear integrated

**Mounting options**
- Buried mounting base
- Direct floor mounted 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
**LB23**

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

**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**
362 mA

**Protection Class**
I or II

**Weight**
12 kg

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**Colour Temperature**
4,000 K

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**BD21**

**Urban bollard for marking area boundaries, additional accent lighting at ground level**

**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
- Designed for feed-through wiring

**System Wattage**
8.5 W

**Current Feed**
362 mA

**Protection Class**
I or II

**Weight**
10.5 kg

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**Colour Temperature**
4,000 K
Urban bollard with chain feature for marking boundaries, additional accent lighting at ground level

Materials
- Bollard: stainless steel
- Chain made of hot-dip galvanized steel (length to be defined)
- Buried base: hot-dip galvanized 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 aluminium, 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

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

Materials
- Bollard: stainless steel
- Buried base: hot-dip galvanized 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 aluminium, 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

Colour Temperature: 4,000 K
Bike rack urban bollard light with opening for the attachment of locks, additional accent lighting at ground level

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 aluminium, 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: 360 mA
Protection Class: I or II
Weight: 11 kg

Colour Temperature: 4,000 K

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

Materials
- Container: 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 aluminium 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: 360 mA
Protection Class: I or II
Weight: 35.5 kg

Colour Temperature: 4,000 K
Litter bin urban bollard with removable cover, capacity 45l, additional accent lighting at ground level

**Materials**
- Container in hot-dip galvanized steel
- Upper cover in polished stainless steel
- Buried base: hot-dip galvanized steel
- Flange plate: hot-dip galvanized 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

---

Bench with additional accent lighting at ground level

**Materials**
- Bench made of weatherproof wood
- Frame in hot-dip galvanized steel
- Flange plate in 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

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**Colour Temperature**
- 4,000 K

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**IP 65**

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**RoHS**

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**IK 10**

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**CONSTANTLY UPDATED DATA:**

ewo.com