

**102-0159**

**AFL130 LED**

**we-ef**



### Description

IP66, Class I or Class II. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. CCG® Controlled Compression Gasket. Non-reflective flat safety glass cover, hinged. Integral EC electronic converter. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. The luminaire is factory-sealed and does not need to be opened during installation. Can be used as post top or side entry version. Specification at time of order is recommended.

Spigot Ø 76 x 100 mm. Spigot Ø 60 x 100 mm or 42 x 100 mm option available. Must be indicated during order placement.

Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

Photometric files (IES, LDT) for light distributions [S61] [S65] [S66] [S70] [R60] [R61] [P66] [Q66] [A61] with Backlight Shield on request.

|                    |                                   |
|--------------------|-----------------------------------|
| Weight             | 8.6 kg                            |
| Light distribution | asymmetric, side throw beam [S65] |
| Light source       | LED-48/48W / 350 mA - 2200 K      |
| CRI                | 70                                |
| Power supply       | EC                                |
| LEDs               | 48                                |
| Rated input power  | 52 W                              |

### Nominal Lumen (lm)

|             |      |
|-------------|------|
| LED Lumen   | 145  |
| Total Lumen | 6960 |
| Tj          | 85   |

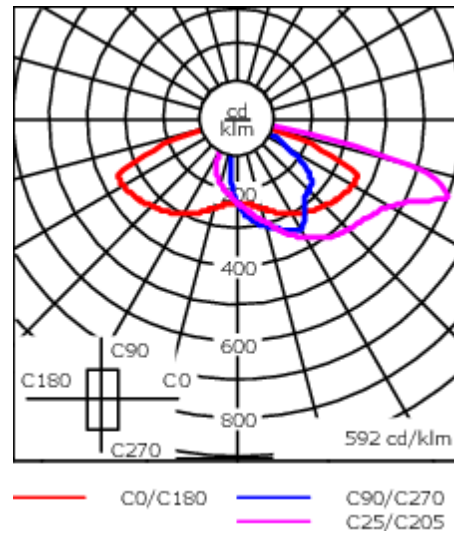
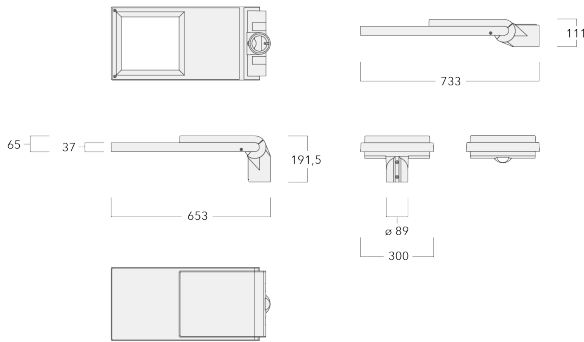
### Rated lumens (lm)

|             |        |
|-------------|--------|
| LED Lumen   | 132.5  |
| Total Lumen | 6361.8 |
| Ta          | 25     |

### WE-EF LEUCHTEN GmbH

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## Specifications

### Material description

|                      |  |
|----------------------|--|
| Body                 | Marine-grade, die-cast aluminium alloy   |
| Lens                 | Non-reflective safety glass lens   |
| Colours              | <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: black; margin-right: 5px;"></div> <span>RAL9004 Signal black</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: #cccccc; margin-right: 5px;"></div> <span>RAL9006 White aluminium</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: #333333; margin-right: 5px;"></div> <span>RAL7016 Anthracite grey</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: #e0e0e0; margin-right: 5px;"></div> <span>RAL9016 Traffic white</span> </div> |
| Gasket               | CCG® Controlled Compression Gasket   |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware  |
| Ingress protection   | IP66   |
| Impact resistance    | IK08   |
| Corrosion resistance | 5CE  |
| Windage              | 0.1956 m <sup>2</sup>  |

### Electrical description

|                  |  |
|------------------|--|
| Power supply     | 220-240V / 50-60 Hz                    |
| Driver / Ballast | Integral EC electronic converter. DALI |
| Power factor     | > 0.9                                  |
| Surge protection | 6/6kV, optional 10kV                   |

### Additional information

|                         |                        |
|-------------------------|------------------------|
| Lifetime                | Ta=25° L90B10 > 90000h |
| Energy efficiency class | C-D (Light source)     |

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## Control

### Eco Step Dim® Advanced

| Description                | Part ID  |
|----------------------------|----------|
| Eco Step Dim® Advanced LED | 430-0002 |

### R2C Ready to Connect

| Description                          | Part ID  |
|--------------------------------------|----------|
| R2C Ready to Connect (top)           | 430-0019 |
| R2C Ready to Connect (below)         | 430-0027 |
| R2C Ready to Connect (top and below) | 430-0032 |

### Citygrid Motion On Pole

| Description                     | Part ID  | Additional information   |
|---------------------------------|----------|--|
| Citygrid Motion - Entry-Package | 420-0011 | Citygrid Motion. Das All-in-One Gerät, das vorhandene Leuchten in ein intelligentes Lichtsystem verwandeln kann. |

#### Einstiegs-Paket

WE-EF liefert und konfiguriert Leuchten und Citygrid System einmalig ab Werk bzw. am Einsatzort. Neukonfiguration als Service abrufbar (kostenpflichtig). Gateway/App nicht inbegriffen.

Anwendungen: Kommunale Einzelprojekte, Insellösungen und Feldversuche für Smart Lighting, z.B. einzelne Straßen, Wege oder Plätze. Halböffentliche oder private Projekte, z.B. Firmengelände, Parkplatz.



| Description                          | Part ID  | Additional information  |
|--------------------------------------|----------|---|
| Citygrid Motion - Standalone-Package | 420-0012 | <p>Citygrid Motion On Pole Controller.</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The standalone package:</p> <p>Dongle &amp; apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.</p> <p>Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.</p> |

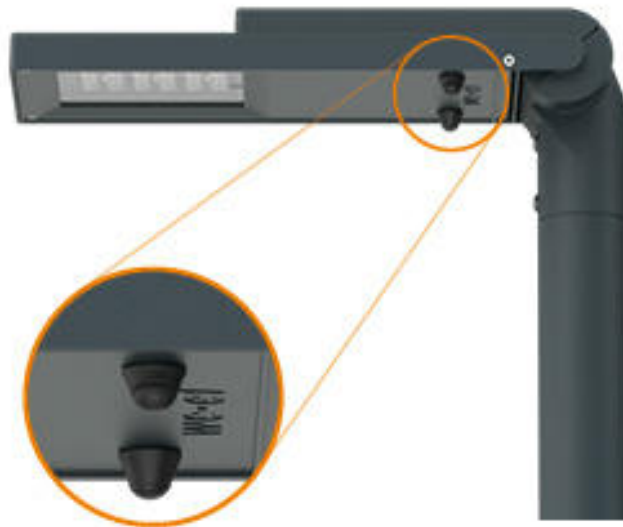


| Description                          | Part ID  | Additional information   |
|--------------------------------------|----------|--|
| Citygrid Motion - Smart-City-Package | 420-0013 | <p>Citygrid Motion On Pole Controller</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The Smart-City package:<br/>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).</p> <p>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p> |



## Citygrid Motion On Luminaire

| Description                     | Part ID  | Additional information  |
|---------------------------------|----------|---|
| Citygrid Motion - Entry-Package | 420-0021 | <p>Citygrid On Luminaire - Entry Package<br/>Citygrid On Luminaire. Die Sensoren erkennen Bewegung und Verkehr beim Betreten des Sensor und Leuchtenfelds.</p> <p>Einstiegs-Paket<br/>WE-EF liefert und konfiguriert Leuchten und Citygrid System einmalig ab Werk bzw. am Einsatzort. Neukonfiguration als Service abrufbar (kostenpflichtig). Gateway/App nicht inbegriffen.</p> <p>Anwendungen: Kommunale Einzelprojekte, Insellösungen und Feldversuche für Smart Lighting, z.B. einzelne Straßen, Wege oder Plätze. Halböffentliche oder private Projekte, z.B. Firmengelände, Parkplatz. Citygrid built-in light controller with angled sensors<br/>The sensors detect motion and traffic on entering the sensor and lighting field.</p> <p>The entry-level package:<br/>WE-EF supplies and configures luminaires and the Citygrid system once ex works or on site. Reconfiguration is available as a service (chargeable). Gateway/app not included.</p> <p>Applications: individual communal projects, isolated solutions and field trials for smart lighting, e.g. single streets, paths or squares. Semi-public or private projects, e.g. company site, car park.</p> |



| Description                          | Part ID  | Additional information  |
|--------------------------------------|----------|---|
| Citygrid Motion - Standalone-Package | 420-0022 | <p>Citygrid Motion built-in light controller with angled sensors<br/>The sensors detect motion and traffic on entering the sensor and lighting field.</p> <p>The standalone package:<br/>Dongle &amp; apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.<br/>Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.</p> |



| Description                          | Part ID  | Additional information   |
|--------------------------------------|----------|--|
| Citygrid Motion - Smart-City-Package | 420-0023 | <p>Citygrid Motion built-in light controller with angled sensors<br/>The sensors detect motion and traffic on entering the sensor and lighting field.</p> <p>The Smart-City package:<br/>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).<br/>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p> |





**Citygrid Motion Zhaga**

| Description                          | Part ID  | Additional information   |
|--------------------------------------|----------|--|
| Citygrid Motion - Standalone-Package | 420-0032 | <p>Citygrid Motion Zhaga controller with sensor.<br/>The compact all-in-one design turns every luminaire with a Zhaga Book 18 socket facing the street surface into motion-controlled, intelligent street &amp; area lighting.</p> <p>The standalone package:<br/>Dongle &amp; apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.<br/>Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.</p> |



| Description                          | Part ID  | Additional information  |
|--------------------------------------|----------|---|
| Citygrid Motion - Smart-City-Package | 420-0033 | <p>Citygrid Motion Zhaga controller with sensor.</p> <p>The compact all-in-one design turns every luminaire with a Zhaga Book 18 socket facing the street surface into motion-controlled, intelligent street &amp; area lighting.</p> <p>The Smart-City package:<br/>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).</p> <p>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p> |



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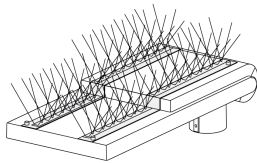
## Mounting Accessories

### Bird deterrent

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| Description       | Part ID  |
|-------------------|----------|
| Bird deterrent BD | 430-0015 |

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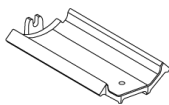
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### Adaptor

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| Description    | Part ID  |
|----------------|----------|
| Adaptor AFL100 | 102-0392 |

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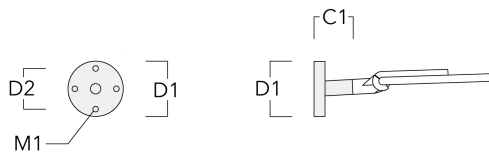
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**Wall and pole brackets RE**

| Description                  | Part ID  | C1  | D1 | D2 | D × L1   | H1  | M1 | Weight (kg) |
|------------------------------|----------|-----|----|----|----------|-----|----|-------------|
| RE2-540 Pole bracket, double | 111-0043 | 200 |    |    | 76 x 130 | 550 |    | 5.30        |



|                      |          |     |     |     |  |    |      |  |
|----------------------|----------|-----|-----|-----|--|----|------|--|
| RE0-540 Wall bracket | 111-0084 | 180 | 230 | 195 |  | 12 | 3.20 |  |
|----------------------|----------|-----|-----|-----|--|----|------|--|



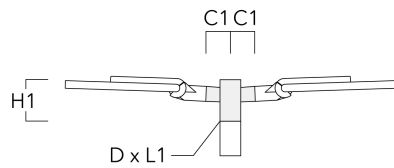
**AFL130 LED**

| Description                  | Part ID  | C1  | D1 | D2 | D × L1   | H1  | M1 | Weight (kg) |
|------------------------------|----------|-----|----|----|----------|-----|----|-------------|
| RE1-540 Pole bracket, single | 111-0042 | 200 |    |    | 76 x 130 | 500 |    | 4.60        |



**Pole brackets RF**

| Description                  | Part ID  | C1  | D × L1  | H1  | Weight (kg) |
|------------------------------|----------|-----|---------|-----|-------------|
| RF2-540 Pole bracket, double | 111-0047 | 200 | 76 x 80 | 200 | 3.30        |



| Description                  | Part ID  | C1  | D × L1  | H1  | Weight (kg) |
|------------------------------|----------|-----|---------|-----|-------------|
| RF1-540 Pole bracket, single | 111-0046 | 200 | 76 x 80 | 200 | 2.60        |



**Wall and pole brackets RX**

| Description                  | Part ID  | C1   | D1 | D2 | D × L1   | H1  | H2 | M1 | M2 | Weight (kg) |
|------------------------------|----------|------|----|----|----------|-----|----|----|----|-------------|
| RX1-540 Pole bracket, single | 111-0054 | 1000 |    |    | 76 x 130 | 550 |    |    |    | 6.8         |

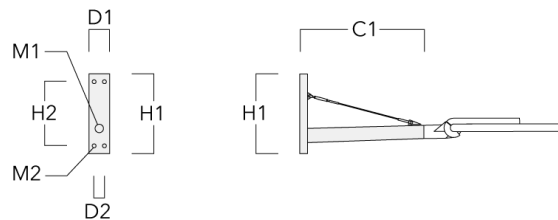


**AFL130 LED**

| Description                  | Part ID  | C1   | D1 | D2 | D x L1   | H1  | H2 | M1 | M2 | Weight (kg) |
|------------------------------|----------|------|----|----|----------|-----|----|----|----|-------------|
| RX2-540 Pole bracket, double | 111-0055 | 1000 |    |    | 76 x 130 | 550 |    |    |    | 9.70        |



|                      |          |      |     |     |  |     |     |    |    |      |
|----------------------|----------|------|-----|-----|--|-----|-----|----|----|------|
| RX0-540 Wall bracket | 111-0086 | 1000 | 140 | 100 |  | 450 | 385 | 30 | 12 | 5.20 |
|----------------------|----------|------|-----|-----|--|-----|-----|----|----|------|



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## Optical Accessories

### Backlight shield

| Description | Part ID  | Additional information  |
|-------------|----------|---|
| LS180       | 430-0029 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [S61][S66][R61][P66][Q66][A61] lenses. Must be specified at time of ordering. |

