



**Description**

IP66, Class I. Class II on request. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. RFC® Reflection Free Contour main lens. Integral EC electronic converter in thermally separated compartment. DALI. 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.

Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering.

Eco Step Dim® up to 1050 mA on request.

Brackets to be ordered separately.

|                    |                               |
|--------------------|-------------------------------|
| Weight             | 15.00 kg                      |
| Light distribution | rectangular, side throw [R65] |
| Light source       | LED-48/96W / 700 mA - 4000 K  |
| CRI                | 80                            |
| Power supply       | EC                            |
| LEDs               | 48                            |
| Rated input power  | 105.5 W                       |

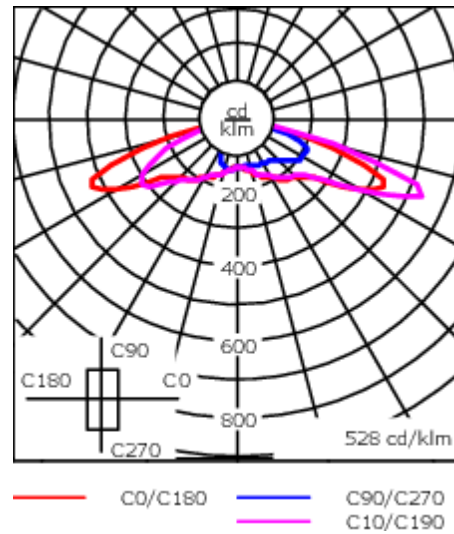
|                           |       |
|---------------------------|-------|
| <b>Nominal Lumen (lm)</b> |       |
| LED Lumen                 | 310   |
| Total Lumen               | 14880 |
| Tj                        | 85    |

|                          |         |
|--------------------------|---------|
| <b>Rated lumens (lm)</b> |         |
| LED Lumen                | 262.3   |
| Total Lumen              | 12591.3 |
| Ta                       | 25      |

108-0957






PFL540 LED

**we-ef**



## Specifications

### Material description

|                      |   |
|----------------------|---|
| Body                 | Marine-grade, die-cast aluminium alloy  |
| Lens                 | RFC® Reflection Free Contour technology   |
| Colours              |  RAL9004 Signal black<br> RAL9006 White aluminium<br> RAL9007 Grey aluminium<br> RAL7016 Anthracite grey<br> RAL9016 Traffic white |
| Gasket               | Silicone CCG® Controlled Compression Gasket   |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware   |
| Ingress protection   | IP66  |
| Impact resistance    | IK08  |
| Corrosion resistance | 5CE   |
| Windage              | 0.23  |

### Electrical description

|                  |  |
|------------------|--|
| Power supply     | 220-240V / 50-60 Hz                    |
| Driver / Ballast | Integral EC electronic converter. DALI |
| Power factor     | > 0.9                                  |
| Surge protection | 6/6 kV (optional SP10)                 |

#### Fagerhult Lighting Ltd

33-34 Dolben Street, SE1 0UQ London, United Kingdom

<https://we-ef.com/uk>

Subject to technical changes and errors. - Generated on 23/11/2024

**108-0957**

**PFL540 LED**

**we-ef**

**Additional information**

---

Lifetime Ta=25° L90B10 > 90000h

Energy efficiency class C-D (Light source)

---

**Fagerhult Lighting Ltd**

33-34 Dolben Street, SE1 0UQ London, United Kingdom

<https://we-ef.com/uk>

Subject to technical changes and errors. - Generated on 23/11/2024

108-0957

PFL540 LED

**we-ef**

## Control

### Eco Step Dim® Basic

| Description             | Part ID  |
|-------------------------|----------|
| Eco Step Dim® Basic LED | 430-0001 |

### Eco Step Dim® Advanced

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

### Eco Step Dim® Motion

| Description                   | Part ID  |
|-------------------------------|----------|
| Eco Step Dim® Motion - Linked | 430-0021 |



### 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 |

#### Fagerhult Lighting Ltd

33-34 Dolben Street, SE1 0UQ London, United Kingdom

<https://we-ef.com/uk>

Subject to technical changes and errors. - Generated on 23/11/2024

**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> |

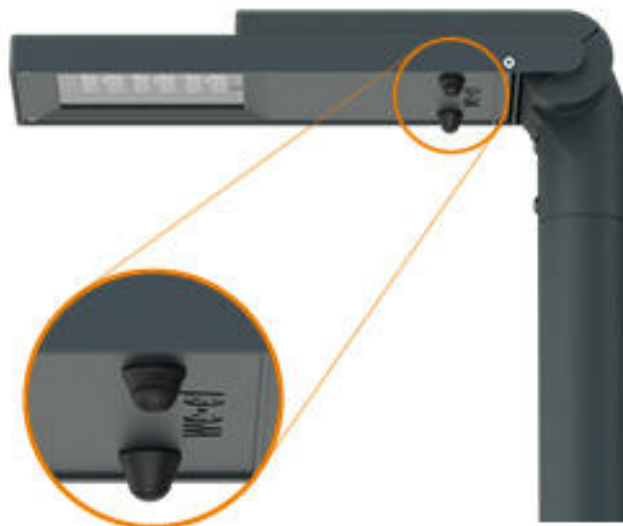


| Description                          | Part ID  | Additional information   |
|--------------------------------------|----------|--|
| Citygrid Motion - Smart-City-Package | 420-0013 | <p>Citygrid Motion On Pole Controller</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can 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 | 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 & area lighting. |

The standalone package:

Dongle & apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.

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.



| Description                          | Part ID  | Additional information  |
|--------------------------------------|----------|---|
| Citygrid Motion - Smart-City-Package | 420-0033 | <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 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> |



**Wild-Light Citygrid Motion On Pole**

| Description                                    | Part ID  | Additional information  |
|--|----------|---|
| Wild-Light Citygrid Motion - Entry-<br>Package | 420-1111 | Citygrid Motion On Pole Controller.<br>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing<br>luminaires into an intelligent lighting system. |

The entry-level package:

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.

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.



| Description                                     | Part ID  | Additional information  |
|---|----------|---|
| Wild-Light Citygrid Motion - Standalone-Package | 420-1112 | <p>Citygrid Motion On Pole Controller for Wild-Light.</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:<br/>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> |



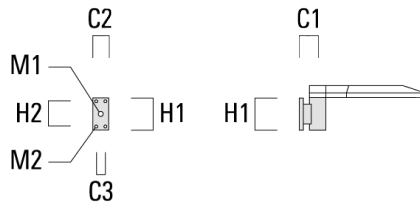
| Description                                     | Part ID  | Additional information   |
|---|----------|--|
| Wild-Light Citygrid Motion - Smart-City-Package | 420-1113 | <p>Citygrid Motion On Pole Controller for Wild-Light.</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that 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> |



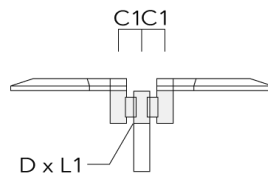
**Mounting Accessories**

**Wall and pole brackets RV**

| Description      | Part ID  | Additional information | C1  | C2  | C3 | D1 | D × L1 | H1  | H2  | M1 | M2 | Weight (kg) | C   | D | H |
|------------------|----------|------------------------|-----|-----|----|----|--------|-----|-----|----|----|-------------|-----|---|---|
| RV0 Wall bracket | 108-0979 | RV0 Wall bracket       | 108 | 100 | 60 |    |        | 200 | 160 | 38 | 12 | 2.00        | 108 |   |   |



|                             |          |  |     |  |  |  |          |  |  |  |  |      |     |    |     |
|-----------------------------|----------|--|-----|--|--|--|----------|--|--|--|--|------|-----|----|-----|
| RV2-76 Pole bracket, double | 108-0980 |  | 147 |  |  |  | 76 x 100 |  |  |  |  | 4.80 | 147 | 76 | 200 |
|-----------------------------|----------|--|-----|--|--|--|----------|--|--|--|--|------|-----|----|-----|





108-0957

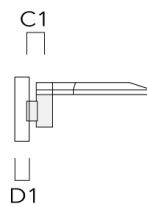
PFL540 LED

we-ef

| Description                 | Part ID  | Additional information | C1 | C2 | C3 | D1 | D × L1   | H1 | H2 | M1 | M2 | Weight (kg) | C   | D  | H   |
|-----------------------------|----------|------------------------|----|----|----|----|----------|----|----|----|----|-------------|-----|----|-----|
| RV2-60 Pole bracket, double | 108-0981 | 147                    |    |    |    |    | 60 x 100 |    |    |    |    | 4.80        | 147 | 60 | 200 |



|                  |          |     |  |  |  |        |  |  |  |  |  |      |     |  |     |
|------------------|----------|-----|--|--|--|--------|--|--|--|--|--|------|-----|--|-----|
| RV5 Pole bracket | 108-0982 | 108 |  |  |  | 76-240 |  |  |  |  |  | 1.70 | 106 |  | 200 |
|------------------|----------|-----|--|--|--|--------|--|--|--|--|--|------|-----|--|-----|



Fagerhult Lighting Ltd

33-34 Dolben Street, SE1 0UQ London, United Kingdom

<https://we-ef.com/uk>

Subject to technical changes and errors. - Generated on 23/11/2024

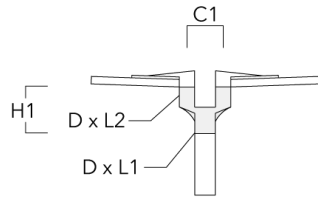
108-0957

PFL540 LED

**we-ef**

**Post top fitter AKV**

| Description | Part ID  | C1  | D × L1 | D × L2 | H1  | Weight (kg) |
|-------------|----------|-----|--------|--------|-----|-------------|
| AKV2-76     | 300-0053 | 180 | 76x100 | 67x    | 235 | 1.50        |



**Optical Accessories****Light shield**

| Description | Part ID  | Additional information  |
|-------------|----------|---|
| LS180-[A60] | 430-0038 | Light shield LS180 to greatly reduce or eliminate light pollution.<br>PA injection moulded component, black matt.<br>Suitable for asymmetric light distribution [A60].                          |
| LS180       | 430-0029 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit.<br>Suitable for [S60], [S65], [S70], [R65], [P65] lenses. Must be specified at time of ordering. |