



**Description**

IP66. Class I. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG\_R\_ Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation. Integral EC electronic converter. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering.

Luminaire can be mounted for up or down lighting.

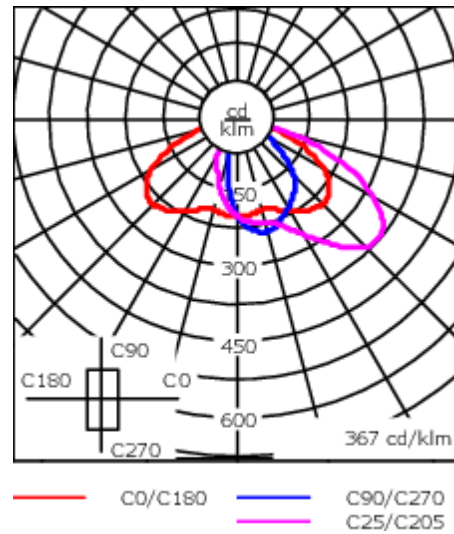
|                    |                              |
|--------------------|------------------------------|
| Weight             | 4.20 kg                      |
| Light distribution | asymmetric, side throw [S70] |
| Light source       | LED-6/12W / 700 mA - 4000 K  |
| CRI                | 80                           |
| Power supply       | EC                           |
| BUG                | B0 U0 G0                     |
| LEDs               | 6                            |
| Rated input power  | 14.5 W                       |

**Nominal Lumen (lm)**

|             |      |
|-------------|------|
| LED Lumen   | 310  |
| Total Lumen | 1860 |
| Tj          | 85   |

**Rated lumens (lm)**

|             |        |
|-------------|--------|
| LED Lumen   | 185.3  |
| Total Lumen | 1111.6 |
| Ta          | 25     |



## Specifications

### Material description

|                      |  |
|----------------------|--|
| Body                 | Marine-grade, die-cast aluminium alloy   |
| Lens                 | 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; margin-top: 5px;"> <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; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> |
| Gasket               | Silicone CCG® Controlled Compression Gasket  |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware (unpainted)  |
| Ingress protection   | IP66   |
| Impact resistance    | IK08   |
| Corrosion resistance | 5CE+Primer   |

### Electrical description

|                  |                                  |
|------------------|----------------------------------|
| Power supply     | 230V / 50 Hz                     |
| Driver / Ballast | Integral EC electronic converter |

### Additional information

|          |  |
|----------|--|
| Lifetime | Ta=40° L90B10 > 90000h   |
| Warranty | The product is supplied with 10-year warranty. Please refer to the LED Warranty Statement located on <a href="http://www.we-ef.com">www.we-ef.com</a> for further details. |

**131-9564**

**PLS420 LED**

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## **Control**

### **1-10 V analogue dimming interface**

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| Description                       | Part ID  | C  |
|-----------------------------------|----------|----|
| 1-10 V analogue dimming interface | 430-0011 | 90 |

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**DALI interface**

| Description    | Part ID  | Additional information   | C  |
|----------------|----------|--|----|
| DALI interface | 430-0013 | DALI variant. The luminaire is equipped with a DT6 Dali driver (Dali 2.0). | 90 |

## Dali 2.0

- Application controllers and Input devices defined
- Single-masters and multi-masters allowed
- Event priorities defined
- Separate addressing & grouping from control gear

Note: Mixing Dali 1 and Dali 2.0 drivers can cause problems because the addressing and the command scope has changed!

131-9564

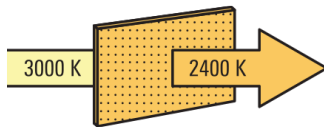
PLS420 LED

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## Optical Accessories

### Colour correction filter

| Description      | Part ID  |
|------------------|----------|
| IF-3000K > 2400K | 131-9587 |



### Honeycomb louvre

| Description         | Part ID  | C1  | H1 |
|---------------------|----------|-----|----|
| Honeycomb louvre IW | 131-9596 | 224 | 71 |



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

**Light shield**

| Description | Part ID  | Additional information   |
|-------------|----------|--|
| LS180-[A60] | 003-4018 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [A60] lenses. Must be specified at time of ordering.                             |
| LS180       | 003-4019 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [S60], [S65], [S70], [R65], [P65] lenses. Must be specified at time of ordering. |

**131-9564**

**PLS420 LED**

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## **Mounting Accessories**

### **Bird deterrent**

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| Description       | Part ID  |
|-------------------|----------|
| Bird deterrent BD | 131-9600 |

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