

## FLC301 Surface mounted



### Description

IP66. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation.

Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control.

Mains voltage versions, ON-OFF Class I. Integral EC electronic converter.

24VDC low voltage versions, ON-OFF Class III. DALI (only 4W available) Class I.

Remote 24VDC power supply to be ordered separately.

Optical accessories are factory-installed. To be specified at time of ordering.

|                    |                                  |
|--------------------|----------------------------------|
| Weight             | 0.80 kg                          |
| Light distribution | symmetric, very narrow beam [EE] |
| Light source       | LED-1/4W / 350 mA - 3000 K       |
| CRI                | 80                               |
| Power supply       | EC                               |
| LEDs               | 1                                |
| Rated input power  | 5 W                              |

### Nominal Lumen (lm)

|             |     |
|-------------|-----|
| LED Lumen   | 490 |
| Total Lumen | 490 |
| Tj          | 85  |

### Rated lumens (lm)

|             |       |
|-------------|-------|
| LED Lumen   | 415.5 |
| Total Lumen | 415.5 |
| Ta          | 25    |

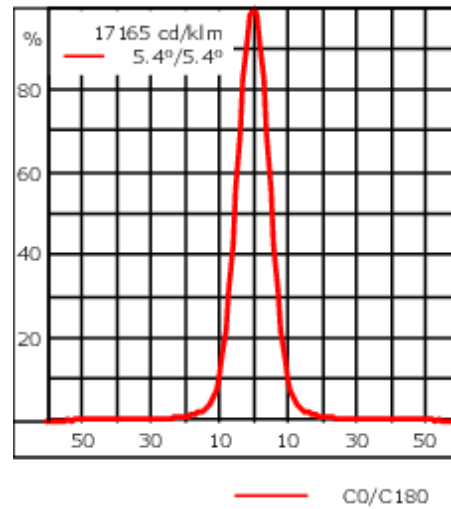
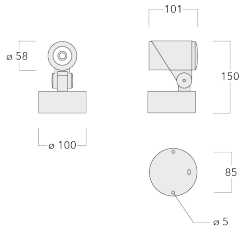
### WE-EF LIGHTING (Thailand) Co., Ltd.

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## 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: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #404040; margin-right: 5px;"></div> <span>RAL7016 Anthracite grey</span> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #e0e0e0; margin-right: 5px;"></div> <span>RAL9016 Traffic white</span> </div> |
| Gasket               | Silicone CCG® Controlled Compression Gasket  |
| Fasteners            | PCS hardware   |
| Ingress protection   | IP66   |
| Impact resistance    | IK07   |
| Corrosion resistance | 5CE  |
| Windage              | 0.01 m <sup>2</sup>  |

## Electrical description

|                  |  |
|------------------|--|
| Driver / Ballast | Integral EC electronic converter (mains voltage). Integral ED electronic driver (24VDC low voltage). |
| Power factor     | >0.9   |

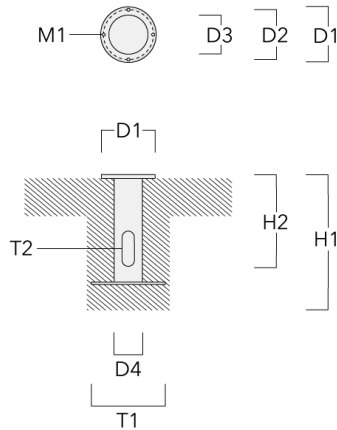
## Additional information

|          |                                     |
|----------|-------------------------------------|
| Lifetime | T <sub>a</sub> =25° L90B10 > 90000h |
|----------|-------------------------------------|

**Mounting Accessories**

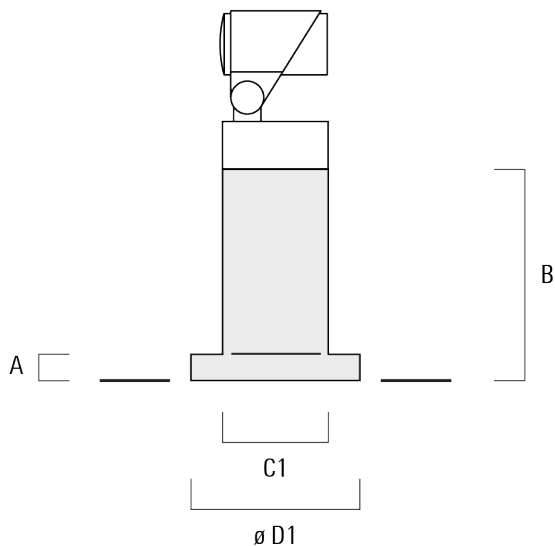
**Planted root**

| Description       | Part ID     | D1  | D2  | D3 | D4 | H1  | H2  | M1 | T1  | T2       | Weight (kg) |
|-------------------|-------------|-----|-----|----|----|-----|-----|----|-----|----------|-------------|
| Planted root ESV4 | 300-0461-AP | 150 | 130 | 60 | 89 | 400 | 350 | 8  | 200 | 50 x 100 | 3.85        |



**Short post**

| Description               | Part ID  | A  | B   | C1  | D1  | Weight (kg) |
|---------------------------|----------|----|-----|-----|-----|-------------|
| Short post EM1 for FLC301 | 145-9200 | 26 | 200 | 100 | 160 | 1.10        |



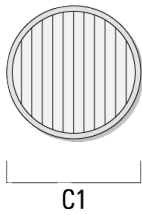
**Optical Accessories**

**Linear spread lens**

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| Description               | Part ID  | C1   |
|---------------------------|----------|------|
| Linear spread lens IO-180 | 145-7229 | 42.5 |

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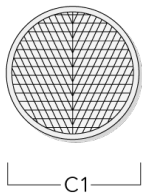
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**Wallwash lens**

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| Description         | Part ID  | C1   |
|---------------------|----------|------|
| Wallwash lens IO-20 | 145-7230 | 42.5 |

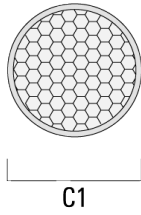
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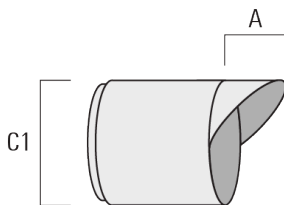
**Honeycomb louvre**

| Description         | Part ID  | C1   |
|---------------------|----------|------|
| Honeycomb louvre IW | 145-7231 | 42.5 |



**Glare shield**

| Description     | Part ID  | A    | C1 |
|-----------------|----------|------|----|
| Glare shield ES | 145-7232 | 20.5 | 58 |



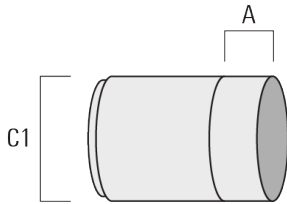
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**Snoot**

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| Description | Part ID  | A    | C1 |
|-------------|----------|------|----|
| Snoot ET    | 145-7233 | 22.5 | 58 |

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**145-7199+0025**

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**we-ef**

## **Control**

### **DALI interface**

| Description                | Part ID |
|----------------------------|---------|
| Low voltage DALI interface | 0026    |

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