Ex-Floodlight F2C LED

Floodlight with high-power LED module

The lighting solution for harsh and hazardous applications

F2C LED floodlights are designed to withstand the harshest conditions within Zone 1 IIC gas environments, providing ideal solutions for a wide range of applications.

F2C LED combines a shock and vibration resistant solid state luminaire with the low cost of ownership and energy efficiency of Crouse-Hinds Series technology.

High-performance LEDs and electronic driver provide light where you need it, at a fraction of the operating costs of HID lighting technologies.

Suitable for Zone 1 & Zone 2 Ex-gas and Zone 21/22 Ex-dust hazardous area, such as heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, shipyard, electric power, loading docks, wastewater treatment, paper mill.

Simple and cost-effective installation

High efficiency drivers and LED chips provide reliable low cost operation and total output over 16000 lm with energy saving up to 51% compared to conventional floodlights.

Features

- High Efficient & Energy saving compared to conventional floodlights
- Wide temperature range in IIC and IIB+H2 hazardous environment
- Universal bracket with wide installation angle, vertical adjustment from -90° to +60°
- Lead- and mercury-free and environment-friendly
- High lumen output
Ordering details / dimension drawing / polar curve / technical data

F2C LED C57

Ordering details

<table>
<thead>
<tr>
<th>Type</th>
<th>Content</th>
<th>Thread</th>
<th>threaded plug</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2C LED C57</td>
<td>LED floodlight F2C</td>
<td>2 x M20</td>
<td>1 x M20</td>
<td>CCL 12012 164 A</td>
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<tr>
<td>F2CLED-C57-16L1</td>
<td>LED floodlight F2C</td>
<td>2 x M25</td>
<td>1 x M25</td>
<td>CCL 12012 165 A</td>
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Accessories

- U-mounting bracket 316 ST - stainless steel
- Ceiling mounting bracket 316 ST - stainless steel
- Pipe mounting bracket 316 ST - stainless steel

Further accessories on request

Technical data

- EC-Type Examination Certificate: Baseefa 14 ATEX 0250
- Marking accd. 94/9/EC: II 2 G Ex de IIC T4 Gb (Tamb = -20°C to +60°C) / Ex de IIB+H2 T4 Gb (Tamb = -40°C to +60°C)
- IECEx Certificate of Conformity: IECEx BAS 14.0118
- Marking accd. to IECEx: Ex de IIC T4 Gb (Tamb = -20°C to +60°C) / Ex de IIB+H2 T4 Gb (Tamb = -40°C to +60°C)

- Permissible ambient temperature: -40 °C up to +60 °C (IIB + H2) / -20 up to +60 °C (IIC)
- Rated voltage: 220 - 240 V AC
- Frequency: 50 - 60 Hz
- Power consumption: 220 W
- Power factor cos ϕ: ≥ 0.9
- Protection class: I
- Light colour / CRI: 5700 K / 70
- Fixture lifetime: 120,000 h at +25 °C / 50,000 h at +55°C
- Rated luminous flux of the luminaire: 16000 lm
- Dimensions (L x W x H): 430 x 513 x 275 mm
- Connecting terminals: L1, N, PE max. 2 x 6mm²
- Enclosure material: copper free aluminium
- Weight: 35 kg
- Cable glands / gland plates / enclosure drilling: 2 x M20/M25 x 1.5 metal thread, 1 x M20/M25 threaded plug
- Degree of protection accd. to EN 60529: IP66
- Protective cover / protective bowl: temperature resistant glass