4.9

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

Type	Content	Thread	threaded plug	Order No.
F2C LED C57				
F2CLED-C57-16L1MU1	LED floodlight F2C	2 x M20	1 x M20	**CCL 12012 164 A**
F2CLED-C57-16L2MU1	LED floodlight F2C	2 x M25	1 x M25	**CCL 12012 165 A**
Accessories				
U-mounting bracket 316 ST - stainless steel				**CHR 8857**
Ceiling mounting bracket 316 ST - stainless steel				**CHR 8860**
Pipe mounting bracket 316 ST - stainless steel				**CHR 8863**

Further accessories on request

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Polar curve F2C LED C57
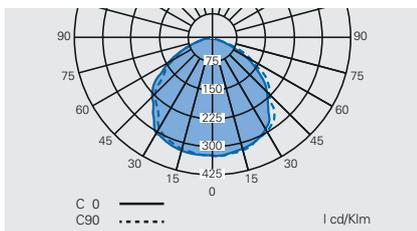
F2C floodlight
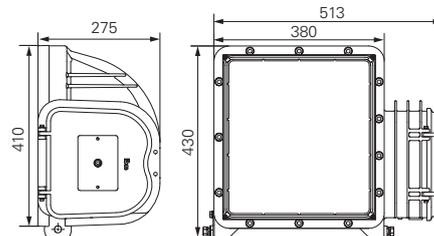
U-mounting bracket
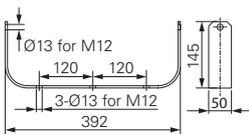
pipe mounting bracket
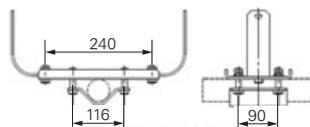
ceiling mounting bracket
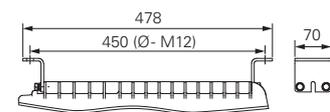
Technical data

	F2C LED
EC- Type Examination Certificate	Baseefa 14 ATEX 0250
Marking accd. 94/9/EC	⟨Ex⟩ 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) ⟨Ex⟩ II 2 D Ex tb iIIC T135°C Db IP66 (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) Ex tb iIIC T135°C Db IP66 (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 6mm^2
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