F2C Ex Floodlight

Product Introduction

F2C flood lights are designed to withstand the harshest conditions within Zone 1 IIC gas environments. With wattage ranges from 150W – 400W, the F2C has a robust design including a housing made from copper-free aluminum, tempered glass lens and stainless steel mounting hardware to withstand the toughest environments. The fixture is equipped with a custom optical system, providing a wide array of high-efficiency optical selections. Optical selections include both symmetrical and asymmetrical, with additional wide, medium and narrow beam options, providing a wide array of options to suit any application.

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



Product Features

- Rugged design, superior vibration, corrosion and impact resistant:
 - Housing copper-free aluminum w/ Epoxy powder coating grey as standard, optional PTFE coating
 - Cover tempered glass
 - Reflector high purity mirror aluminum
- Custom optical system, providing a wide array of highefficiency optical selections:
 - Asymmetrical & symmetrical photometry with wide, medium and narrow beam options

- Rugged Ex ed design for ATEX Zone 1, 2 & Zone21, 22 application; IP66 protection
- Wide temperature range in IIC and IIB+H2 hazardous environment:
 - IIC Ambient Temp.: -20°C ~ +60°C
 - IIB+ H₂ Ambient Temp.: -40 °C ~ +60°C
- Increased serviceability, with easy access for wiring and lamp replacement, reducing maintenance time
- Universal york bracket with wide installation angle, vertical adjustment from -90° to +60°
- Optional shield and guard available

Technical Data

Marking acc. to ATEX					
	E Ex d e IIB+H ₂ T* Gb(Ta -40°C to +60°C)				
Marking acc. to IECEx	Ex d e mb IIC T* Gb(Ta -20°C to +60°C)or				
	Ex d e mb IIB+H ₂ T* Gb(Ta -40°C to +60°C)				
	Ex tb IIIC T***°C Db IP66(Ta -40°C to +60°C)				
Marking acc. to GB	Ex d e mb IIC T* Gb (Ta -20°C to +60°C)				
	Ex d e mb IIB+H ₂ T* Gb (Ta -40°C to +60°C)				
	DIP A21 T _A *°C IP66 (Ta -40°C to +60°C)				
Permissible ambient temp.	-40°C~+60°C (IIB+H ₂) / -20°C~+60°C (IIC)				
Power factor	≥ 0.9				
Rated Voltage	220 V / 230V / 240V, 50 Hz & 220V / 230 V/ 240V, 60Hz				
Connection Terminal	ATEX: 6 core conductor/cable, Solid max. 6mm², Flexible max. 4mm²				
	IECEx/GB: 6 core conductor/cable, Solid max. 4mm², Flexible max. 2.5mm²				
Insulation class					
Lamp	HPS: 150W, 250W, 400W				
	MHS: 150W, 250W, 400W				
	MHM: 400W				
Lamp holder	E40				
IP rating	IP66				
Optical	Symmetrical(wide, Medium, narrow) & Asymmetrical (wide, narrow)				
Cable entry	2xM20x1.5 / 2xM25x1.5, 1 entry pre-plugged				
Weight	Refer to below Temperature Class Feature table				
Fittings	Guard & glare shield				

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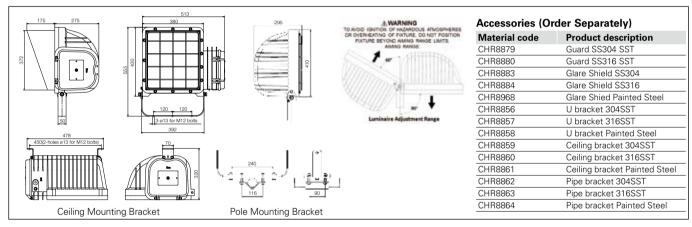
Ordering Logic

F2C	S	1M	15	U1	Н	C1	/LT	/G	/S	/E	P
Series	Lamp	Entry	Wattage	Valtana	Ballast	Beam	Ambient	Cuand	Glare shied	Certificate	Castina
No.	type	size	wattage	Voltage	type	type	temperature	Guard	Giare snied	Certificate	Coating
F2C		2M=M25	25=250W	/240V 50Hz U2=220/230 /240V 60Hz	(for HPS, MHS) H=luminaire fixed with	C2=Symmetrical-M C3=Symmetrical-N			Default= Without glare shield /S=with glare shield		Default= Epoxy powder coating P= PTFE coating

Temperature Class Feature

Lamp Power	Gas Group	Temperature Classification	Dust Marking	Ambient Temperature Range	Cable Temperature Rise	Weight (Kg)
150W	IIC	T4	T120°C	-20°C~+60°C	- 27°C	35
15000	IIB+H ₂	T4	T120°C	-40°C~+60°C	27 C	
250W	IIC	T3	T145°C	-20°C~+60°C	- 32°C	35
25000	IIB+H ₂	T3	T145°C	-40°C~+60°C	- 32 C	
400W	IIC	T3	T175°C	-20°C~+60°C	- 38°C	35
	IIB+H ₂	T3	T175°C	-40°C~+60°C	- 38 C	

Installation and Dimension



Polar Curve

