

Lighting: Incandescent and Compact Fluorescent Lighting Fixture, DLF Series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Specification

Body material :	Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey) (optional offshore painting-Acrylic polyurethane coating)
Glass globe	: Borosilicate glass
Sealing (O-ring)	: Silicone
Bracket	: Hot-dip galvanized steel (optional SS 304 or SS 316)
Bolts	: Stainless steel, SS 304 (optional SS 316)
Reflector	: Anodized aluminium
Basket guard	: Stainless steel, SS 304 (optional SS 316)

Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex de IIB T4, T5 or T6	Ex tD A21 IP66 T** °C
Certificate	PTB 08 ATEX 1096X	
Conformity to Standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN IEC 60079-31	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	
Entry Threads	2x M20x1.5, 2x M25x1.5 (1x stopping plug) or 2x 1/2" NPT, 2x 3/4" NPT (1x stopping plug)	
Mounting	Ceiling or Bracket mounting	
Connection	L, N and PE ; for 1-4 mm ² cable (spring type terminal) (Through wiring system with an extra terminal block for cable connection at both ends.)	
Rated Voltage	220 V AC ±5%, 50 Hz	

Catalogue Number Logic

** See temperature class on catalogue number table.

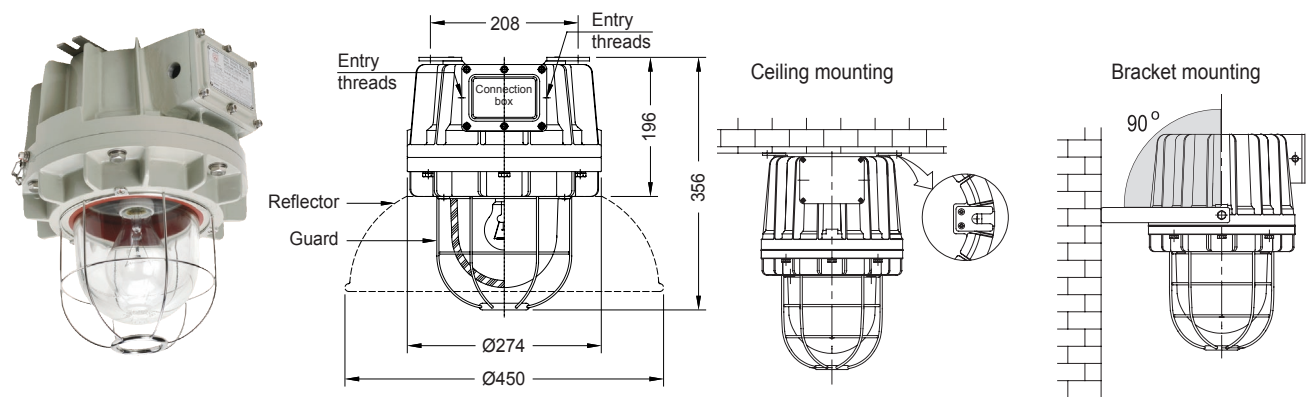
DLF	Series	Lamp type	Lamp watt	Colour designation	Accessories	Mounting type	Entry threads
	IN	Incandescent	(see ordering requirement table below)	W Warm white	R Reflector	C Ceiling	M1 M20x1.5
	FC	Compact fluorescent		C Cool daylight (Compact flu. only)	G Basket guard	B Bracket	M2 M25x1.5
							N1 1/2" NPT
							N2 3/4" NPT

Ordering Requirements

Cat. No.	Lamp watt	Voltage	Lamp model	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. weight (kg)
				Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C	
Incandescent lamp								
DLF-IN60 ○ - □□	60 W	220 V AC, 50 Hz	“Philips” GLS Clear	T6	T5	T80°C	T90°C	13.0
DLF-IN100 ○ - □□	100 W			T5	T4	T95°C	T110°C	
DLF-IN150 ○ - □□	150 W		“Super Lamp”	T4	T4	T110°C	T125°C	13.0
DLF-IN200 ○ - □□	200 W			T4	T4	T120°C	T135°C	
Compact fluorescent lamp								
DLF-FC10 ◇○ - □□	10 W	220 V AC, 50 Hz	“Philips” PL-C (with Ballast)	T6	T6	T65°C	T80°C	13.0
DLF-FC13 ◇○ - □□	13 W							
DLF-FC18 ◇○ - □□	18 W							

Dimensions (in mm)

Mounting



Remark *: The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.