

Signal and Alarm: Warning Light (Signal Light), DLF1-BN, DLF1-OB, DLF1-WN Series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Application

The warning light indicates the working status of machines, equipment, production processes, etc.

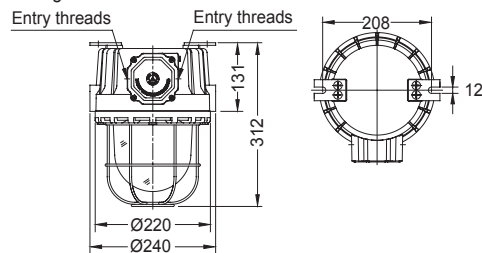
Specification

- Body material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey)
(optional offshore painting- acrylic polyurethane coating)
- Globe : Borosilicate glass
- Filter : Plastic (Warning Light)
- Guard, bolts : Stainless steel, SS 304 (optional SS 316)
- Sealing (O-ring) : Silicone
- Bracket : Hot-dip galvanized steel (optional SS 304 or SS 316)

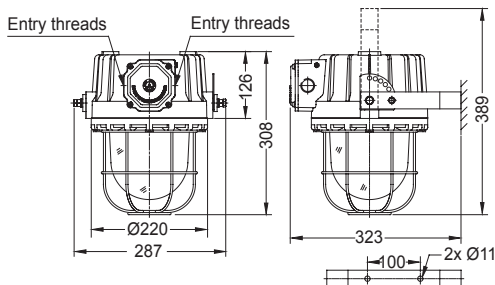


Dimensions (in mm)

Ceiling mount



Bracket mount



Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex db eb IIC T6/ T5 Gb	Ex tb IIIC T80°C/ T100°C Db
Symbol of Protection	TÜV CY 18 ATEX 0206011X	
Certificate	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN IEC 60079-31	
Conformity to Standards	-20°C to +55°C	
Ambient Temperature	IP66	
Index of Protection	Entry Threads	
	2x M20x1.5, 2x M25x1.5 or 2x 1/2" NPT, 2x 3/4" NPT (1x stopping plug)	
	Mounting	
	Ceiling or Bracket mounting (standard) (Optional mounting ; 2x M10 eye bolts, clamps for pipe)	
	Connection	
	L, N and PE ; for 1-4 mm ² cable (Through wiring system with an extra terminal block for cable connection at both ends.)	
	Rated Voltage	
	220/ 230/ 240 V AC ±5%, 50/60 Hz	

Catalogue Number Logic

Warning Light (Rotating)

Series	Type	Voltage	Lens colour	Accessories	Mounting	Entry threads
DLF1 - BN -						
1D	12 V DC	R	Red	G	C	M1
2D	24 V DC	Y	Yellow	B	B	M2
22	220 V AC, 50 Hz	G	Green			N1
		B	Blue			N2

Warning Light (LED lamp with lens colour)

Series	Type	Lamp Watts	Voltage	Lens colour	Accessories	Mounting	Entry threads
DLF1 - WN -							
06	6 W	22	220 V AC, 50 Hz	R	G	C	M1
07	7 W			Y	B	B	M2
09	9 W			G			N1
10	10 W			B			N2

Medium-intensity ICAO Obstruction Lights (Red LED)

Series	Type	Voltage	Lens colour	Accessories	Mounting	Entry threads
DLF1 - OB -						
24	110-240 V AC, 50/60 Hz	R	Red	G	C	M1
				B	B	M2
						N1
						N2

Ordering Requirements

Cat. No.	Voltage	Power consumption	Rotating flash rate	Temp. Class (for zone 1 & 2)	Max. Surface Temp.* (for zone 21 & 22)
Warning light (rotating)					
DLF1-BN-1D	12 V DC	2.4 W	120 rpm	T6	T80°C
DLF1-BN-2D	24 V DC	3.4 W		T5	T100°C
DLF1-BN-22	220 V AC, 50 Hz	3.0 W			
Warning light (LED lamp with lens colour)					
DLF1-WN-0622	220 V AC, 50 Hz	6 W	—	T6	T80°C
DLF1-WN-0722		7 W		T5	T100°C
DLF1-WN-0922		9 W			
DLF1-WN-1022		10 W			
Medium-intensity (Type B; Max. luminous intensity value: >2,000 cd)					
DLF1-OB-24R	110-240 V AC, 50/60 Hz	4-20 W	35-55 fpm	T6	T80°C
				T5	T100°C

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.

Wiring Diagram

