

Lighting: LED Emergency Exit Sign, DFXT Series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

The DFXT series can be used in petroleum mining, oil refining, the chemical industry, the military industry, and other hazardous environments.

This luminaire is designed for safety purposes in emergency situations.

Specification

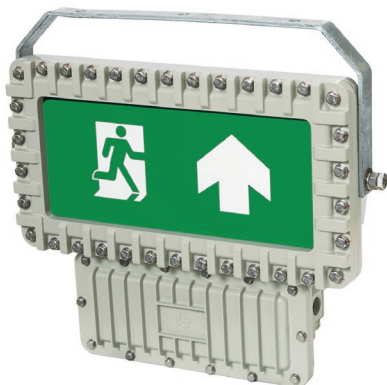
Body material	: Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey) (optional offshore painting-acrylic polyurethane coating)
Bolts	: Stainless steel, SS 304 (optional SS 316)
Bracket	: Hot-dip galvanized steel (optional SS 304 or SS 316)
Lens	: Heat and high impact resistant clear glass (4J impact)
Exit letter	: One side white sign on green plate

Product Features

Luminous efficacy	: 100 lm/W
Colour temperature	: Standard 5700 K (daylight)
Colour Rendering Index (Ra)	: ≥ 70 (optional Ra ≥ 80)
Chip	: Cree 3535
Beam angle	: Average 25°

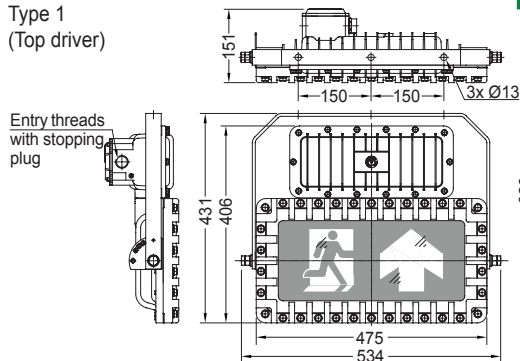
Electrical for Emergency unit

Operation	: Maintained mode
Battery	: Ni-MH, 7.2 V, 2x 2.5 Ah
Recharge time	: 16-24 hours, continuous battery recharge
Emergency starting time	: ≤ 0.5 seconds
Emergency duration	: 180 minutes (3 hours)

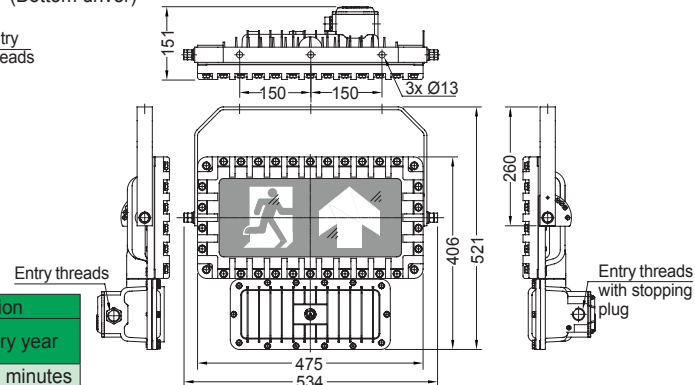


Dimensions (in mm)

Type 1
(Top driver)



Type 2
(Bottom driver)



INSPECTION AND MAINTENANCE SCHEDULE (EIT Standard 021004-22)	Periodic inspection		
	First installation	Every months (function)	Every year
Discharge duration	≥ 120 minutes	≥ 30 seconds	≥ 120 minutes

Technical Data

Hazardous Area Zones	Gas	Dust
Equipment Group/Category	Ex db eb IIB T6 Gb	Ex tb IIIC T85°C Db
Symbol of Protection	TÜV CY 17 ATEX 0205814X	
Certificate	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN IEC 60079-31, EN 60598-1	
Conformity to Standards	0°C to +55°C	
Ambient Temperature	IP66	
Index of Protection	Entry Threads	2x M20x1.5, M25x1.5 (1x stopping plug) or 2x 1/2" NPT, 2x 3/4" NPT (1x stopping plug)
Mounting	Bracket mounting	
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	110-240 V AC, 50/60 Hz, P.F. ≥ 0.95	

Catalogue Number Logic

DFXT	LED power	Pictogram format	Entry threads	Mounting type
(see ordering requirement table)	A,B,C,D,E,F,G,H,I etc. (Blank - without exit letter)	M1 M20x1.5 M2 M25x1.5 N1 1/2" NPT N2 3/4" NPT	C1 Type 1 C2 Type 2	

Ordering Requirements

Cat. No.	LED Power	Voltage	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	
DFXT-18-○-□-□-○	18 W	110-240 V AC, 50/60 Hz	T6	T6	T85°C	T85°C	18.9

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.

Pictogram format (○): Image element size 10 cm as follow EIT standard 021004-22

