



# 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, chemical industry, military industry and other dangerous environment.

This luminaire is designed to use for safety reason in case of emergency situation.

## Specification

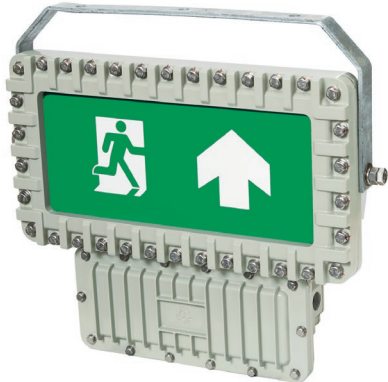
- Body material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey) (optional offshore painting-acrylic polyurethane coating)
- Bolts : Stainless steel, SUS 304 (optional SUS 316)
- Bracket : Hot-dip galvanized steel (optional SUS 304 or SUS 316)
- Lens : Heat and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

## LED System

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

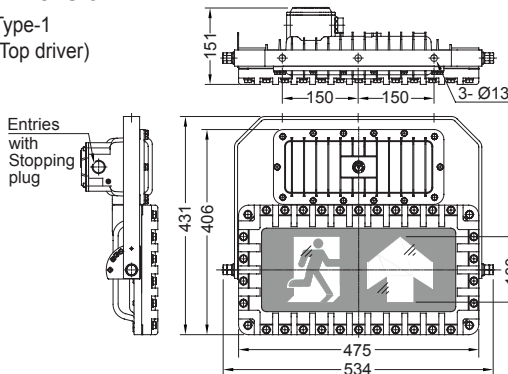
## Electrical for Emergency unit

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

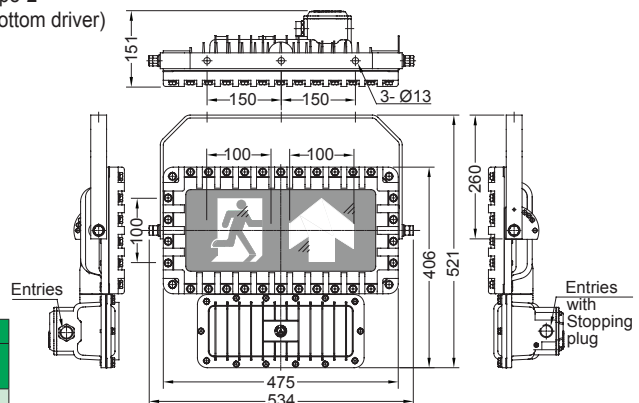


## Dimension

Type-1 (Top driver)



Type-2 (Bottom driver)

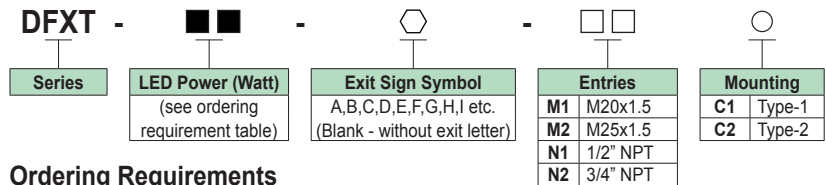


INSPECTION AND MAINTENANCE SCHEDULE (EIT Standard Q21004-22)	Routine Test		
	First installation	Every months (function)	Every year
Discharge Duration	≥ 120 minutes	≥ 30 seconds	≥ 120 minutes

## Technical Data

Hazardous Area Zones	Gas	Dust
1 & 2	II 2G	II 2D
Equipment Group/Category	Ex db eb IIB T6 Gb	Ex tb IIIC T85°C Db
Symbol of Protection	TÜV CY 17 ATEX 0205814X	
Certificate No.	EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014, EN 60598-1:2015	
Conformity to standards	0°C to +55°C	
Ambient Temperature	IP66	
Index of Protection	2- M20x1.5, M25x1.5 (1- stopping plug) or 2- 1/2" NPT, 2- 3/4" NPT (1- stopping plug)	
Entries	Bracket mounting	
Mounting	L, N and PE ; for 1-4mm. <sup>2</sup> cable (Through wiring system with an extra terminal block for cable connection at both ends.)	
Connection	110-240V.ac 50/60Hz., THDi < 20%, P.F. ≥ 0.95	
Rated Voltage		

## Catalogue Number Logic



## Ordering Requirements

Cat. No.	LED Power	Voltage	Temp. Class (for zone 1 & 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. Weight (kgs.)
			Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C	
DFXT-18-○-□□○	18W.	110-240V.ac 50/60Hz.	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.

## Exit Signs Symbols (□) ; Image element size 10cm. as follow EIT standard Q21004-22

