

Lighting: Fluorescent & LED Lighting Fixture, NFLS Series

Restricted Breathing and Dust protection by enclosure

Zone 2 – 21 & 22



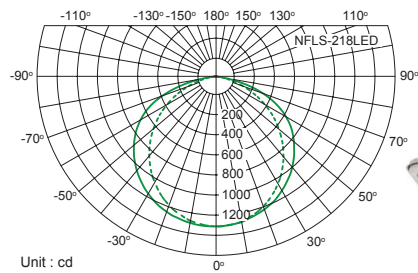
Application

NFLS series has been designed for zone 2 and zone 21, 22

Specification

- Body material : Stainless steel, SUS 304
- Glass lens : Clear tempered glass, heat and impact resistant
- Sealing gasket : Silicone

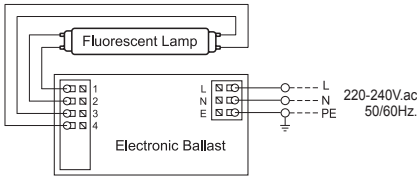
Luminous Intensity Distribution Curve



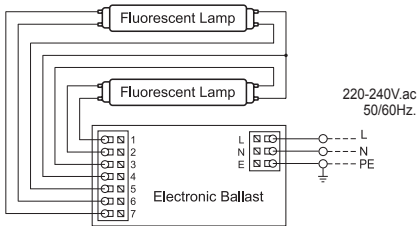
Complete photometrics, please contact us.

Wiring Diagram

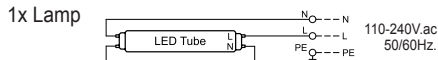
Electronic ballast for fluorescent lamp;
1x 28W., 1x 36W.



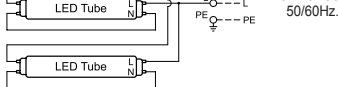
Electronic ballast for fluorescent lamp;
2x 28W., 2x 36W.



LED Tube (Single-ended), Internal driver



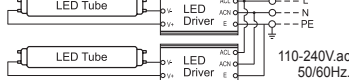
2x Lamp



LED Tube (Double-ended) with External driver



2x Lamp



Technical Data

Hazardous Area	Gas	Dust
Zones	2	21 & 22
Equipment Group/Category	II 3G	II 2D
Symbol of Protection	Ex nR IIC T6 Gc	Ex tb IIIC T85°C Db
Conformity to standards	EN IEC 60079-0:2018, EN IEC 60079-15:2019, EN 60079-31:2014	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	
Entries	1-hole standard; Ø21.5mm. (for 1/2" NPT or M20x1.5)	
Mounting	Ceiling mount (eye bolts)	
Rated Voltage	110-240V.ac 50/60Hz.	



Catalogue Number Logic

NFLS - [] [] [] [] [] [] [] [] [] [] [] []

Series	Lamp Watt (see ordering requirement table below)	Type none Fluorescent lamp LED LED tube	LED Driver D with driver (25W LED tube)	Accessories E Emergency power unit	Entries M1 M20x1.5 N1 1/2" NPT
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Ordering Requirements and Dimension

Cat. No.	Lamp Watt	Voltage	Ballast	Temp. Class (for zone 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. Weight (kgs.)
				Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C	
T8 Fluorescent Lamp								
NFLS -136	- [] - [] [] 1x 36W.	220-240V.ac	Electronic	T6	T6	T85°C	T85°C	11.66
NFLS -236	- [] - [] [] 2x 36W.	50/60Hz.						11.86
T5 Fluorescent Lamp								
NFLS -128	- [] - [] [] 1x 28W.	220-240V.ac	Electronic	T6	T6	T85°C	T85°C	11.66
NFLS -228	- [] - [] [] 2x 28W.	50/60Hz.						11.86
LED Tube								
NFLS -114LED	- [] - [] [] 1x 14W.	110-240V.ac	-	T6	T6	T85°C	T85°C	11.66
NFLS -214LED	- [] - [] [] 2x 14W.	50/60Hz.						11.86
NFLS -115LED	- [] - [] [] 1x 15W.							11.66
NFLS -215LED	- [] - [] [] 2x 15W.							11.86
NFLS -116LED	- [] - [] [] 1x 16W.							11.66
NFLS -216LED	- [] - [] [] 2x 16W.							11.86
NFLS -118LED	- [] - [] [] 1x 18W.							11.66
NFLS -218LED	- [] - [] [] 2x 18W.							11.86
NFLS -120LED	- [] - [] [] 1x 20W.							11.86
NFLS -220LED	- [] - [] [] 2x 20W.							11.86
NFLS -122LED	- [] - [] [] 1x 22W.							11.66
NFLS -222LED	- [] - [] [] 2x 22W.							12.86
NFLS -125LEDD	- [] - [] [] 1x 25W.	110-240V.ac	LED Driver	T6	T6	T85°C	T85°C	12.00
NFLS -225LEDD	- [] - [] [] 2x 25W.	50/60Hz.						12.15

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.

