

Lighting: Fluorescent & LED Lighting Fixture, NFLS Series

Restricted Breathing and Dust protection by enclosure

Zone 2 – 21 & 22



Application

The NFLS series has been designed for Zone 2, Zone 21, and Zone 22.

Specification

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

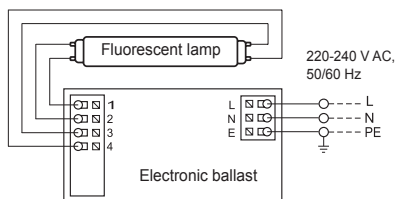
Technical Data

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, EN IEC 60079-15, EN IEC 60079-31	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	
Entry Threads	1 hole standard; Ø21.5 mm (for 1/2" NPT or M20x1.5)	
Mounting	Ceiling mount (eye bolts)	
Rated Voltage	110-240 V AC, 50/60 Hz	

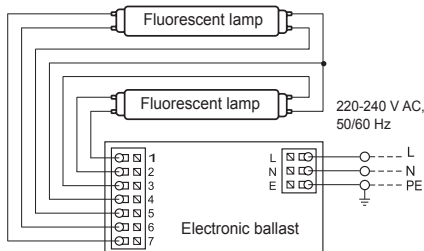


Wiring Diagram

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

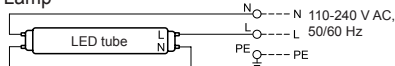


Electronic ballast for fluorescent lamp;
2x 28 W, 2x 36 W

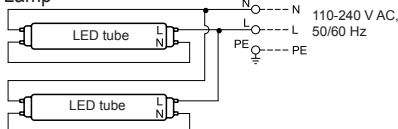


LED tube (Single-ended, Built-in driver)

1x Lamp



2x Lamp



Catalogue Number Logic

NFLS -	Series	Lamp watt (see ordering requirement table below)	Lamp type none Fluorescent lamp LED LED tube	Accessories E Emergency power unit	Entry threads M1 M20x1.5 N1 1/2" NPT
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Ordering Requirements and Dimensions

Cat. No.	Lamp watt	Voltage	Ballast	Temp. Class (for zone 2)		Max. Surface Temp.* (for zone 21 & 22)		Approx. weight (kg)	
				Ta 40°C	Ta 55°C	Ta 40°C	Ta 55°C		
T8 fluorescent lamp									
NFLS -136	- □ - □ □	1x 36 W	220-240 V AC, 50/60 Hz	Electronic	T6	T6	T85°C	T85°C	11.66
NFLS -236	- □ - □ □	2x 36 W							11.86
T5 fluorescent lamp									
NFLS -128	- □ - □ □	1x 28 W	220-240 V AC, 50/60 Hz	Electronic	T6	T6	T85°C	T85°C	11.66
NFLS -228	- □ - □ □	2x 28 W							11.86
LED tube (single-ended, built-in driver)									
NFLS -114LED	- □ - □ □	1x 14 W	110-240 V AC, 50/60 Hz	—	T6	T6	T85°C	T85°C	11.66
NFLS -214LED	- □ - □ □	2x 14 W							11.86
NFLS -115LED	- □ - □ □	1x 15 W							11.66
NFLS -215LED	- □ - □ □	2x 15 W							11.86
NFLS -116LED	- □ - □ □	1x 16 W							11.66
NFLS -216LED	- □ - □ □	2x 16 W							11.86
NFLS -118LED	- □ - □ □	1x 18 W							11.66
NFLS -218LED	- □ - □ □	2x 18 W							11.86
NFLS -120LED	- □ - □ □	1x 20 W							11.86
NFLS -220LED	- □ - □ □	2x 20 W							11.86
NFLS -122LED	- □ - □ □	1x 22 W							11.66
NFLS -222LED	- □ - □ □	2x 22 W							12.86
NFLS -125LED	- □ - □ □	1x 25 W							12.00
NFLS -225LED	- □ - □ □	2x 25 W							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.

