$\pmb{\mathsf{FL} \; \mathsf{Series:} \; \mathsf{Light} \; \mathsf{Duty} \; \mathsf{Nonmetallic} \; \mathsf{Fluorescent} \; \mathsf{Lighting} \; \mathsf{Fixtures}, \; \mathsf{Standard} \; \mathsf{and} \; \mathsf{Emergency} \; \mathsf{Battery} \; \mathsf{Back-Up-Zone} \; \mathsf{2} \; \& \; \mathsf{22}} \; \mathsf{Added} \; \mathsf{Standard} \; \mathsf{Added} \; \mathsf{Emergency} \; \mathsf{Battery} \; \mathsf{Back-Up-Zone} \; \mathsf{2} \; \& \; \mathsf{22}} \; \mathsf{Added} \; \mathsf{Emergency} \; \mathsf{Battery} \; \mathsf{Back-Up-Zone} \; \mathsf{2} \; \& \; \mathsf{22} \; \mathsf{Added} \; \mathsf{Emergency} \; \mathsf{Battery} \; \mathsf{Back-Up-Zone} \; \mathsf{2} \; \mathsf{Added} \;$



2 x 58 W



2 x18 W

Compliance Data:

ATEX - IEC:



Zone 2 – 22	ATEX	II 3 GD	IEC	CE
Ex nR II or nA II	T6 or T5 or T4	Ex tD A22	T80°C to 100°C	IP65/67

Power and Voltage:

18 W / 36 W / 58 W	1 & 2 Lamp Versions	Multiple Voltages	Lamp Type: Fluorescent T8 (G13)
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Operating Temperatures:

-20°C to +55°C

FL Series: Light Duty Nonmetallic Fluorescent Lighting Fixtures, Standard and Emergency Battery Back-Up - Zone 2 & 22

Zone 2 & 22 ☑ II 3 GD ATEX - IEC IP65/67

Applications:

- Light duty luminaire ideal for commercial and light industrial locations including hazardous areas designated as Zone 2 or 22 environments.
- Typical applications include oil refineries petrochemical plants, pulp and paper mills, tunnels and other light duty manufacturing locations.

Features:

- Utilizes two 26 mm (T8) bi-pin fluorescent lamps.
- · Fiberglass reinforced polyester housing.
- · Instant start 95% power factor ballast.
- Available in various lengths and wattages ranging from 18 to 58. Pre-impregnated fiberglass reinforced white polyester housing.
- · Closing system using stainless steel clips.
- Electrostatically applied white powder painted steel reflector provides optimal lighting distribution.
- Poured-in-place elastomer gasket secures IP65 / 67 ingress protection.

Standard Material of Fixtures:

- Fiberglass reinforced polyester (FRP) housing.
- Polycarbonate lens.
- White powder painted sheet steel reflector.
- · Elastomer gasket.
- Polycarbonate lampholders.

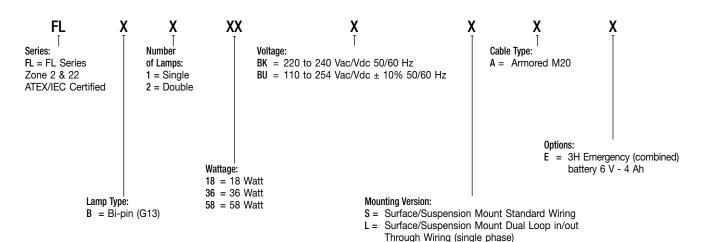
Standard Material of Mounting Accessories:

 Mounting accessories available in different materials such as gray painted aluminum, zinc plated steel, galvanized steel or 316 stainless steel.

Options:

- Available in 3 hours emergency version, including multi-tap ballast with built-in monthly self test. Test results through multi-colored LED.
- Plug-in battery pack is easy to remove for maintenance.
- Battery voltage is 6 volts and 4 Ah capacity.
- One fluorescent tube remains lit for up to 3 hours and up to 29% light intensity for 18 watt, 15% for 36 watt and 9% for 58 watt.
- All emergency units supplied with cut off switch to battery when fixture is opened.

Catalog Number Logic:



FL Series: Light Duty Nonmetallic Fluorescent Lighting Fixtures, Standard and Emergency Battery Back-Up – Zone 2 & 22

Zone 2 & 22 (i) II 3 GD ATEX - IEC IP65/67

Ordering Information:

Standard Version for Armored and Unarmored cable

Supplied with one M20 cable entry at each end plus two locknuts, two earth continuity and one blanking plug. Also supplied with one $2 \times (3 \times 2.5 \text{ mm}^2)$ max. flexible or rigid connection terminal block.

Number of Lamps	Watts	Voltage (V)	Weight (kg)	Volume (dm³)	Catalog Number	Old Catalog Number	Pack.
1	18	220/240	2.3	22.3	FLB118BKSA	300244	1
2	18	220/240	2.3	22.3	FLB218BKSA	300245	1
2	18	110/254	2.3	22.3	FLB218BUSA	300145	1
1	36	220/240	2.8	38	FLB136BKSA	300246	1
1	36	110/254	2.8	38	FLB136BUSA	300146	1
2	36	220/240	3.6	38	FLB236BKSA	300247	1
2	36	110/254	3.6	38	FLB236BUSA	300147	1
1	58	220/240	3.4	45	FLB158BKSA	300248	1
1	58	110/254	3.4	45	FLB158BUSA	300148	1
2	58	220/240	4.4	45	FLB258BKSA	300249	1
2	58	110/254	4.4	45	FLB258BUSA	300149	1

Emergency Version for Armored and Unarmored cable

Supplied with one M20 entries with earth continuity at each end. Also supplied with two M20 locknuts and one blanking plug. Equipped with one $2 \times (5 \times 2.5 \text{ mm}^2)$ max. flexible or rigid connection terminal block

Number of Lamps	Watts	Voltage (V)	Weight (kg)	Volume (dm³)	Catalog Number	Old Catalog Number	Pack.
2	18	110/254	4.5	22.3	FLB218BUSAE	300235	1
2	36	110/254	7.0	38	FLB236BUSAE	300237	1
2	58	110/254	7.5	45	FLB258BUSAE	300239	1

Accessories:

Description		Catalog Number	Old Catalog Number	Description		Catalog Number	Old Catalog Number
Half Clamp	Brackets for Pole Mounting			Hinged Bra	ickets b brackets for adjusting lumina	aire	
	Dia. 42 to 49 mm pole (1-1, Zinc plated steel 316 stainless steel	/4" to 1-1/4" tu FEHC49Z FEHC49S	be) 096593 096793		Aluminum (gray painted) 316 stainless steel	FEHBA FEHBS	0 96598 0 96574
-	Zinc plated steel 316 stainless steel	FEHC60Z FEHC60S	096591 096791	Fixing Brade Set of two	ckets b brackets for ease of surface Zinc plated steel	installation FEFBZ	096596
M8 Ring Bol Set of two					316 stainless steel	FEFBS	096589
\bigcirc	Zinc plated steel	FERBM8Z	0 96594	Fall Preven	ntion Kit xture temporarily to ease insta	allation	
¥	'				For M20 cable entry	FESCM20	0 96406

ATX Product Catalog



FESBA

FESBS

096597

096590

316 stainless steel

Aluminum (gray painted)

FL Series: Light Duty Nonmetallic Fluorescent Lighting Fixtures, Standard and Emergency Battery Back-Up – Zone 2 & 22

Zone 2 & 22 ATEX - IEC IP65/67

Compliances:

Hazardous Area	Gas	Dust			
Certification Type	EFn (Standard Version) / EFn-EM (Emergency Version)				
Zones	2	22			
Conforming to ATEX 94/9/CE	CE ₪ II 3G	CE ₪ II 3D			
Symbol of Protection ATEX	Ex nR II or Ex nA II	Ex tD A22			
Symbol of Protection IEC	EX TIR II OF EX TIA II	EX ID AZZ			
T Rating	T4 for nA protection mode. See temperature chart for nR protection mode	N.A.			
Surface Temperature	N.A.	See Temperature Chart			
Ambient Temperature	-20°C≤Ta≤+55°C				
CE Declaration of Conformity	50213/50219				
ATEX Certificate	LCIE 08.6005X / LCIE 08.6063X				
IEC Certificate	LCIE Ex 08.007X / LCIE Ex 08.008X				
Other Certifications	-				
Index of Protection (solid and liquid)	IP65 / 67				
Impact Resistance (shock)	_				
Time Before Opening	10r	mn			

Standards:

Ex Standards	EN / IEC 60079-15; 61241-0; 61241-1
Product Standards	EN / IEC 60598-1; 60598-2-22
EMC Standards	EN / IEC 55015; 61547
Other Standards	EN / IEC 60529 (IP)

Temperature Chart:

	Dust		Gas	
Version	Surface Temp.	T Rating for Ta = +40°C	T Rating for Ta = +50°C	T Rating for Ta = +55°C
1 x 18 W	+75°C	T6	T6	T6
2 x 18 W	+/5 0	T6	T5	T5
1 x 36 W	+83°C	T6	T6	T5
2 x 36 W	+03 C	T6	T6	T5
1 x 58 W	+91°C	T5	T5	T5
2 x 58 W	+81°C	T5	T5	T5

Emergency Function Diagram:

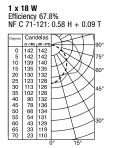
Emorgoney function 2 tubes

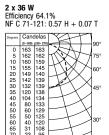
Emergency function	1 Z tubes	
	Main power on	Main power off
Fluorescent luminaire ON		
Fluorescent luminaire OFF		

Photometric Data:

Polar curves for a 1000 lm flux, according to NF C 71-120 Luminaire symbol according to NF C 71-121

— — Longitudinal Transverse







2 x 18 W

