Explosion-proof, Weatherproof

FL4

FB4

Features

- UL Listed for USA and Canada:
    - Hazardous locations:
        - Class I, Div. 1, Groups C & D.
        - Class I, Zone 1, AExd IIB T4/T5.
    - Ordinary locations: Visual-Signal Device.
- ATEX approved.
- NEMA 4x & 6, IP66 & IP67.
- *Certified temperature: –67ºF to +131ºF.
                                   –55ºC to +55ºC.
- Fluorescent up to 39W.
- Filament Lamps supplied.
- Corrosion Resistant.
- Optional lens guard.
- Tapered spigot flamepath.
- Relay initiate.

Model dependent.

Introduction

These certified steady lights have been designed for use in flammable atmospheres and harsh environmental conditions. The marine grade alloy or stainless steel enclosures are suitable for use offshore or onshore, where lightweight combined with corrosion resistance and strength is required.
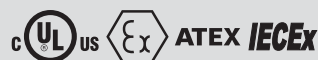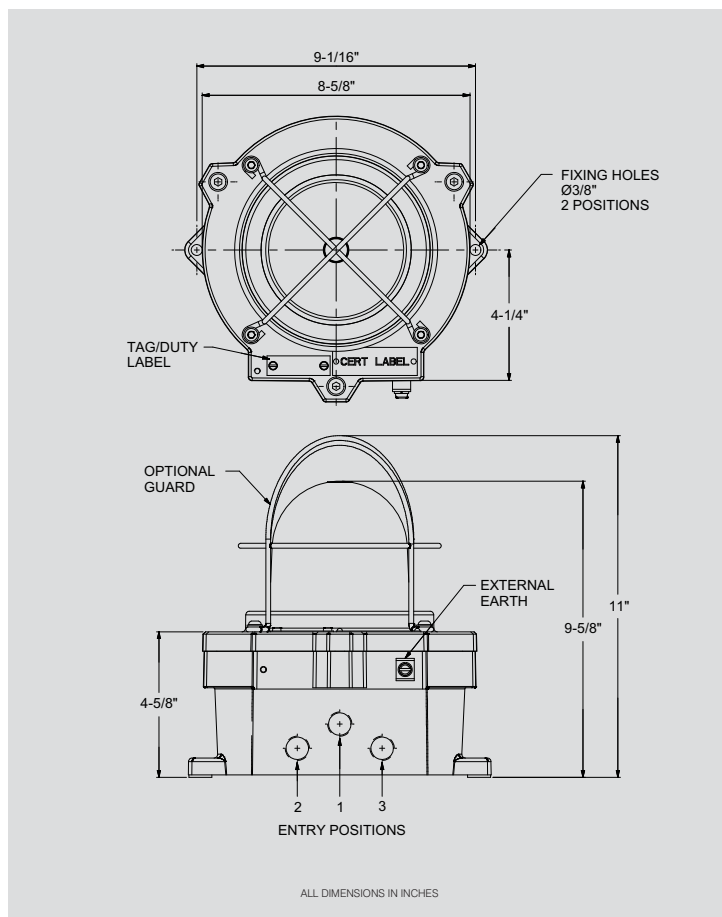
Units can be painted to customer specification and fitted with identification labels.

European and other world wide approvals are available, refer to main section of catalogue.

c(UL)us ⟨Ex⟩ ATEX IECEx

Certification and Specification

Models:	FL4 – Up to 3 x 13 Watt PL compact fluorescent lamps. FB4 – 100 watt GLS filament lamps. E27 holder as standard.

Certification:	UL Listed for USA and Canada.
	– Hazardous locations:
	    Class I, Div. 1, Groups C & D.
	    Class I, Zone 1, AExd IIB T4/T5.
	    UL Listing No. E187894.
	– Ordinary locations: Visual-Signal Device (FL4 only).
	    UL Listing No. S8128.

Material:	LM25TF Marine Grade Alloy body. Grade 316 ANC48 Stainless Steel body. Toughened Wellglass.
Finish:	Gray epoxy paint finish as standard or to customer's specification.
Voltage:	FL4 24V d.c., 120V a.c., 240V a.c. ± 10% 50/60hz. FB4 110V a.c. ± 10% 50/60hz.
Lamps:	Units are supplied with lamps.
Certified Temp:	FL4 –4ºF to +131ºF (–20ºC to + 55ºC). FB4 –67ºF to +131ºF (–55ºC to + 55ºC).
Weight:	FL4 14 – 17lb/6.5 - 7.9kg (add 19lb/8.4kg for stainless steel). FB4 13lb/6.4 kg.
Ingress Protection:	NEMA 4x & 6. IP66 and IP67.
Entries:	Up to 3 x $^1/_2$" NPT or 2 x $^3/_4$" NPT.
Terminals:	8 off suitable for up to 10 AWG conductor size.
Relay Initiate:	Available on all versions – operates with 24V d.c. initiate supplies only.
Labels:	Tag/Duty label option.

FL4 Lamp Details

Unit Type	Lamp Type	Lamp Ref	Holder Type
FL4	DC Osram Dulux D/E 13W	DD/E 13/XX	G24q–1
	Philips PLC 13W	PLC 13 P4	G24q–1
FL4 AC	Osram Dulux D/E 13W	DD/E 13/XX	G24q–1
	Philips PLC 13W	PLC 13	G24d–1

Osram Colour XX = (21 = Cool white) (31 = Warm white) (41 = Interna)

9-1/16"
8-5/8"
FIXING HOLES Ø3/8" 2 POSITIONS
4-1/4"
TAG/DUTY LABEL
CERT LABEL
OPTIONAL GUARD
EXTERNAL EARTH
11"
9-5/8"
4-5/8"
2 1 3
ENTRY POSITIONS
ALL DIMENSIONS IN INCHES

Temperature Ratings

Unit Type	Voltage/Wattage	T Class	Max. Amb.
FL4	DC units	T5	55ºC
	AC units	T4	55ºC
FB4	60W	T4 (UL T3)	55ºC
	100W	T3	55ºC

Ordering Requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model | **Voltage** | **Certification** | **Terminals** 8U | **Entries** | **Lamp Wattage** | **Lens** | **Lens Guard** | **Unit Options** | **Material** | **Finish**

Model
FL4
FB4

Voltage	Code
24V d.c.	B
110V a.c.*	E
120V a.c.†	F
240V a.c.†	H

* FB4 only.
† FL4 only.

Type	Code
8 x 10 AWG	8U

Wattage	Code
FL4 13W (1 x 13W tube)	13
26W (2 x 13W tubes)	26*
39W (3 x 13W tubes)	39*
FB4 60W	60
100W	100

* Only available in the following voltage:
26W – a.c. only.
39W – H (240v a.c.).

Colour	Code
Clear	C
Red	R
Blue	B
Green	G
Yellow	Y
Amber	A

Option	Code
Duty*	D
Tag*	T
24V d.c.	R
(relay init.)	
None	N

* Please specify wording.

Finish	Code
Gray	G
Red	R
Blue	B
Yellow	Y
White	W
Other*	S

* Please specify.

Certification	Code
UL	UL
†UL	UW
(ordinary locations)	

† UW only available FL4.

Entries	Code
$^1/_2$" NPT	*M
$^3/_4$" NPT	*N

* Prefix entry size (see diagram above) with entry position code e.g. 2M3M.

Guard	Code
None	0
Guard	1

Material	Code
Stainless Steel	0
Alloy	1

To order ATEX approved version, see European data sheet.

MEDC