

XFL8

LED Series

An energy-efficient, broad-beamed, high-intensity flood light designed to be used in hazardous, marine or low-bay outdoor conditions.



CERTIFICATIONS



UL844
 UL 1598 wet/damp
 UL8750

E76933



CLASSIFICATION

CLASS I	
Division 2	Groups A, B, C, D
CLASS II	
Division 2	Groups F, G

Contact your ABB sales representative to verify classification

XFL8

Key features and benefits

Features

- Energy-efficient alternative to hazardous location metal halide and high pressure sodium
- Designed for outdoor, hazardous, marine, low-bay and flood applications
- Gray powder coat finish
- Multiple distribution patterns, type V
- Selection of frosted film, 16°, 70° or 120° lens
- CCT 4000 K, 5000 K and 7000 K available
- Selection of mounting style
- Tamper-proof screws
- > 120,000 hours rated lifetime projection (L70)
- CRI (75)

Construction

- Cooper-free cast aluminum housing
- Captive stainless steel fasteners and insert
- 24 high-power LEDs

Electrical

- 50 W (6400 lumens), 80 W (9000 lumens), 105 W (11,000 lumens)
- 120–277 V
- 277–480 V (6400 lumens only)

Options

- Mounting: ceiling, pendant, yoke, wall, straight or angled stanchion
- Cord with blunt end
- Lens guard
- Black or white finish

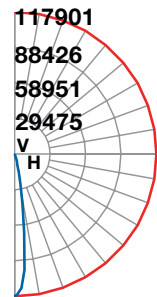
Thermal performance data

Model	Rated ambient temperature (°C)	Class I, Div 2 operating temperature code (160 °C)	Class II, Div 2 operating temperature code (100 °C)
XFL805	50	T3C	T5
XFL808	50	T3C	T5
XFL810	50	T3C	T5

Photometry

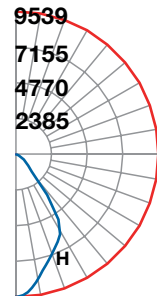
Reference data	
Catalog number	XFL810UNC1-N
Luminaire lumens	12,059
Input watt	106.6
NEMA type	2 H x 2 V
Maximum candela	117901
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	15.3
Vertical beam angle (50%)	15.2
Horizontal field angle (10%)	28.6
Vertical field angle (10%)	28.3

Axial candela display



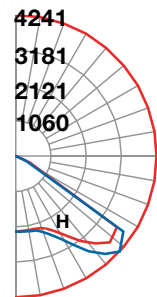
Reference data	
Catalog number	XFL810UNC1-M
Luminaire lumens	10,714
Input watt	106.1
NEMA type	6 H x 6 V
Maximum candela	9539.4
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	68.2
Vertical beam angle (50%)	68.2
Horizontal field angle (10%)	100.1
Vertical field angle (10%)	100.5

Axial candela display



Reference data	
Catalog number	XFL810UNC1-W
Luminaire lumens	11,025
Input watt	107
NEMA type	6 H x 6 V
Maximum candela	4241
Maximum candela angle	0H -47.5V
Horizontal beam angle (50%)	87.3
Vertical beam angle (50%)	120.2
Horizontal field angle (10%)	106.4
Vertical field angle (10%)	129.6

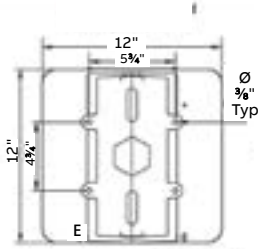
Axial candela display



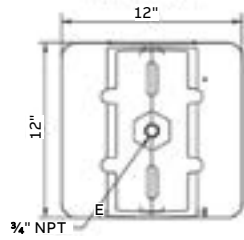
XFL8

Dimensions

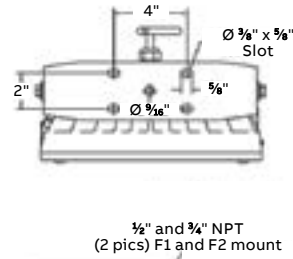
C1 and C2 ceiling mount
(ceiling spacers provided)



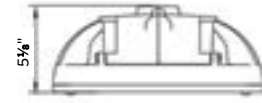
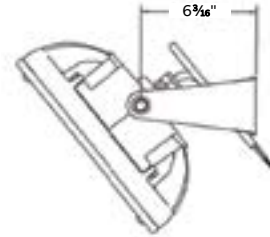
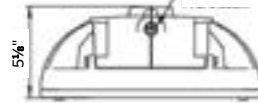
P2 pendant mount



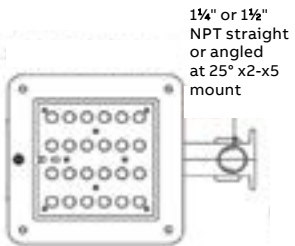
Y1 yoke mount



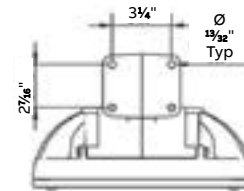
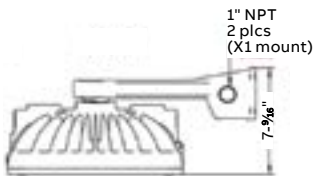
1/2" and 3/4" NPT
(2 pics) F1 and F2 mount



L4-S4 L5-S5 wall/stanchion mount



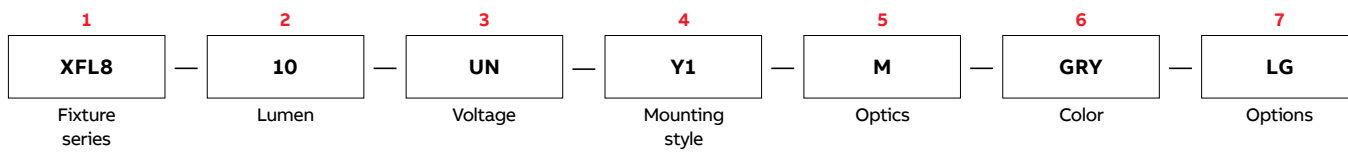
B3 mount



XFL8

Numbering system

Lighting fixture



Lighting fixture

Part	Part number	Description
1 Fixture series	XFL8	ABB-EX Solutions Flood Light 8 Series
2 Lumen	05	6,400 Lumen (50 watts)
	08	9,000 Lumen (80 watts)
	10	11,000 Lumen (105 watts)
3 Voltage	UN	120–277 V
	UN2	277–480 V (on 05 model only)
4 Mounting style	C1	Ceiling ½"
	C2	Ceiling ¾"
	P2	Pendant ¾"
	Y1	Yoke mount ½"
	B3	Wall mount 1"
	L4	Stanchion 1¼"
	S4	Angled stanchion 1¼"
5 Optics	F	Type V frosted film
	N	Type V narrow 16° FWHM
	M	Type V narrow 70° FWHM
	W	Type V narrow 120° FWHM
6 Color	GRY	Gray powder-coat finish (standard)

Options

Part	Part number	Description
7 Options	LG	Lens guard
	PW	Pre-wired 3' cord with blunt end
	BLK	Black powder-coat finish
	WHT	White powder-coat finish
	4K	4000 K
	7K	7000 K
	G	Lens guard
D	0-10V Dimming (not with cord option)	

