

# 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

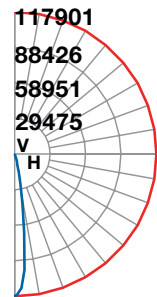
### Thermal performance data

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

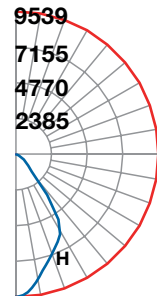
Reference data	
<b>Catalog number</b>	<b>XFL810UNC1-N</b>
Luminaire lumens	12,059
Input watt	106.6
NEMA type	2 H x 2 V
Maximum candela	117901
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	15.3
Vertical beam angle (50%)	15.2
Horizontal field angle (10%)	28.6
Vertical field angle (10%)	28.3

Axial candela display



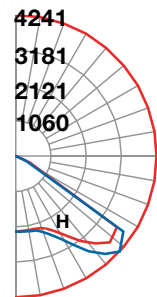
Reference data	
<b>Catalog number</b>	<b>XFL810UNC1-M</b>
Luminaire lumens	10,714
Input watt	106.1
NEMA type	6 H x 6 V
Maximum candela	9539.4
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	68.2
Vertical beam angle (50%)	68.2
Horizontal field angle (10%)	100.1
Vertical field angle (10%)	100.5

Axial candela display



Reference data	
<b>Catalog number</b>	<b>XFL810UNC1-W</b>
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

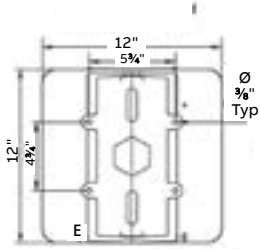
Axial candela display



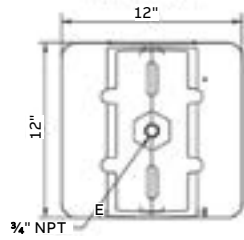
**XFL8**

Dimensions

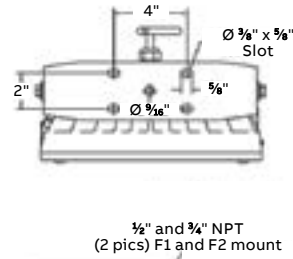
**C1 and C2 ceiling mount**  
(ceiling spacers provided)



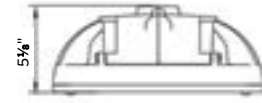
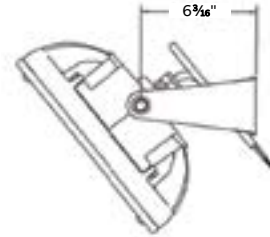
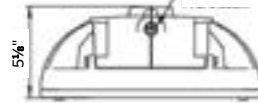
**P2 pendant mount**



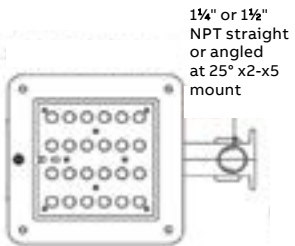
**Y1 yoke mount**



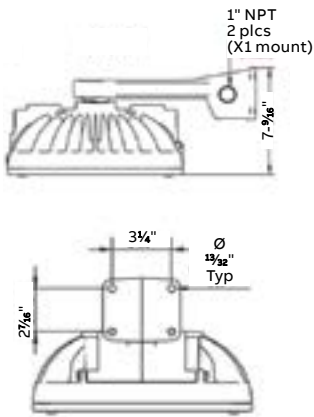
1/2" and 3/4" NPT  
(2 pics) F1 and F2 mount



**L4-S4 L5-S5 wall/stanchion mount**



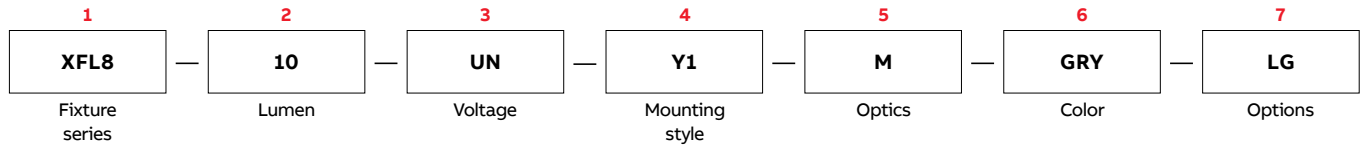
**B3 mount**



## XFL8

### Numbering system

#### Lighting fixture



#### Lighting fixture

Part	Part number	Description
<b>1</b> Fixture series	<b>XFL8</b>	ABB-EX Solutions Flood Light 8 Series
<b>2</b> Lumen	<b>05</b>	6,400 Lumen (50 watts)
	<b>08</b>	9,000 Lumen (80 watts)
	<b>10</b>	11,000 Lumen (105 watts)
<b>3</b> Voltage	<b>UN</b>	120–277 V
	<b>UN2</b>	277–480 V (on 05 model only)
<b>4</b> Mounting style	<b>C1</b>	Ceiling ½"
	<b>C2</b>	Ceiling ¾"
	<b>P2</b>	Pendant ¾"
	<b>Y1</b>	Yoke mount ½"
	<b>B3</b>	Wall mount 1"
	<b>L4</b>	Stanchion 1¾"
	<b>S4</b>	Angled stanchion 1¾"
<b>5</b> Optics	<b>F</b>	Type V frosted film
	<b>N</b>	Type V narrow 16° FWHM
	<b>M</b>	Type V narrow 70° FWHM
	<b>W</b>	Type V narrow 120° FWHM
<b>6</b> Color	<b>GRY</b>	Gray powder-coat finish (standard)

#### Options

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

