

# Hazlux® 8

## FDL

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



### 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

### CERTIFICATIONS



# Hazlux® 8 FDL

## 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 of 5000 K
- 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

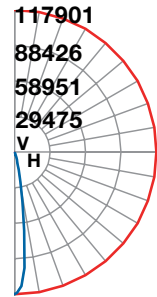
### Thermal performance data

Model	Rated ambient temperature (°C)	Class I, Div 2 operating temperature code (160 °C)	Class II, Div 2 operating temperature code (100 °C)
FDL05	50	T3C	T5
FDL08	50	T3C	T5
FDL10	50	T3C	T5

### Photometry

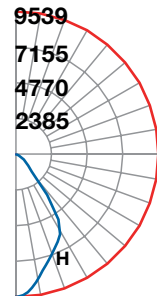
Reference data	
Catalog number	FDL10UNC1-N
Luminaire lumens	12,059
Input watt	106.6
NEMA type	2 H x 2 V
Maximum candela	117901
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	15.3
Vertical beam angle (50%)	15.2
Horizontal field angle (10%)	28.6
Vertical field angle (10%)	28.3

Axial candela display



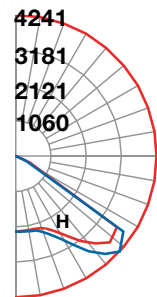
Reference data	
Catalog number	FDL10UNC1-M
Luminaire lumens	10,714
Input watt	106.1
NEMA type	6 H x 6 V
Maximum candela	9539.4
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	68.2
Vertical beam angle (50%)	68.2
Horizontal field angle (10%)	100.1
Vertical field angle (10%)	100.5

Axial candela display



Reference data	
Catalog number	FDL10UNC1-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

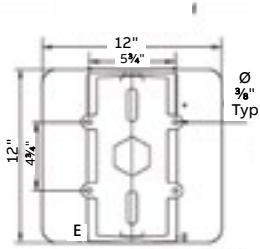
Axial candela display



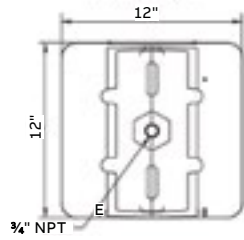
# Hazlux® 8 FDL

## Dimensions

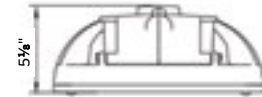
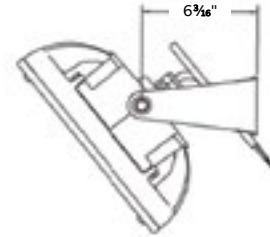
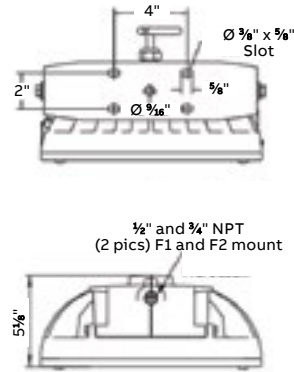
**C1 and C2 ceiling mount**  
(ceiling spacers provided)



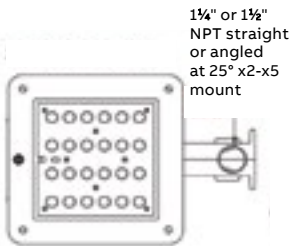
**P2 pendant mount**



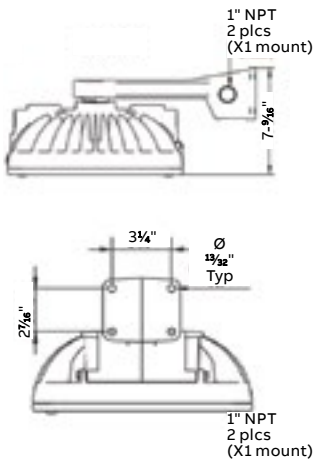
**Y1 yoke mount**



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



**B3 mount**

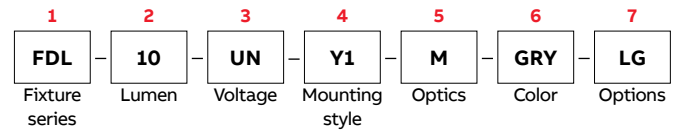


## Hazlux® 8 FDL

### Numbering system



#### Lighting fixture



#### 01. Lighting fixture

Part	Part number	Description
<b>1</b> Fixture series	<b>FDL</b>	Hazlux flood light LED Class I Div 2
<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 1¼"
	<b>S4</b>	Angled stanchion 1¼"
	<b>L5</b>	Stanchion 1½"
<b>5</b> Optics	<b>S5</b>	Angled stanchion 1½"
	<b>F</b>	Frosted film
	<b>N</b>	Narrow 16° FWHM
	<b>M</b>	Medium 70° FWHM
<b>6</b> Color	<b>W</b>	Wide 120° FWHM
	<b>GRY</b>	Gray powder-coat finish (standard)
<b>7</b> Options	<b>LG</b>	Lens guard
	<b>PW</b>	Pre-wired 3' cord with blunt end (Y1 mount only)
	<b>BLK</b>	Black powder-coat finish
	<b>WHT</b>	White powder-coat finish