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

Multiple distribution patterns, type V

Selection of mounting styles
- Ceiling
- Pendant
- Yoke
- Wall
- Stanchion
- Angled stanchion

50 W (6400 lumens)
80 W (9000 lumens)
105 W (11000 lumens)

Designed for outdoor, hazardous, marine, low-bay and flood applications

CERTIFICATIONS

MARINE UL LISTED

c UL us LISTED

UL 1598
UL 844

IP66

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)

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 (11000 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

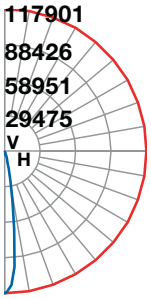
Thermal performance data

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

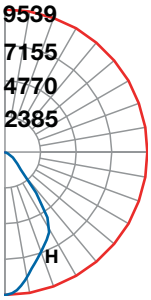
Reference data	
Catalog number	**FDL10UNC1-N**
Luminaire lumens	12,059
Input watts	106.6
NEMA type	2 H x 2 V
Maximum candela	117901
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	15.3
Vertical beam angle (50%)	15.2
Horizontal field angle (10%)	28.6
Vertical field angle (10%)	28.3

Axial candela display



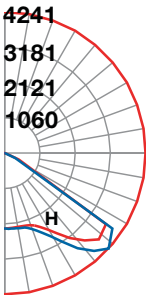
Reference data	
Catalog number	**FDL10UNC1-M**
Luminaire lumens	10,714
Input watts	106.1
NEMA type	6 H x 6 V
Maximum candela	9539.4
Maximum candela angle	0H 0V
Horizontal beam angle (50%)	68.2
Vertical beam angle (50%)	68.2
Horizontal field angle (10%)	100.1
Vertical field angle (10%)	100.5

Axial candela display



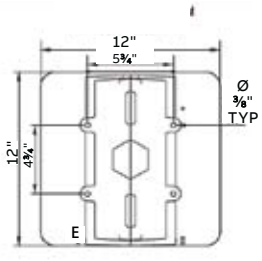
Reference data	
Catalog number	**FDL10UNC1-W**
Luminaire lumens	11,025
Input watts	107
NEMA type	6 H x 6 V
Maximum candela	4241
Maximum candela angle	0H -47.5V
Horizontal beam angle (50%)	87.3
Vertical beam angle (50%)	120.2
Horizontal field angle (10%)	106.4
Vertical field angle (10%)	129.6

Axial candela display

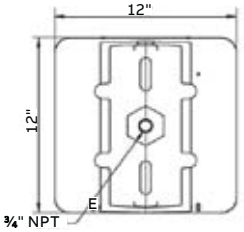


Hazlux® 8 FDL
Dimensions

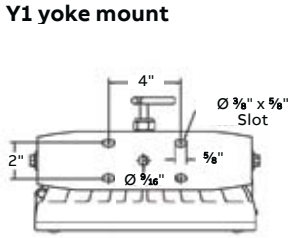
C1 and C2 ceiling mount
(ceiling spacers provided)

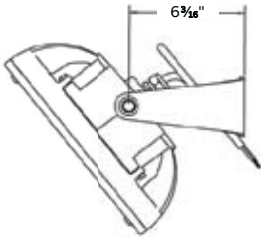


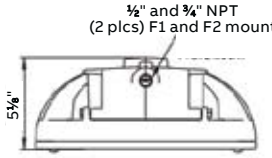
P2 pendant mount

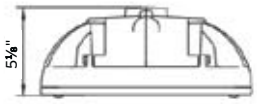


Y1 yoke mount

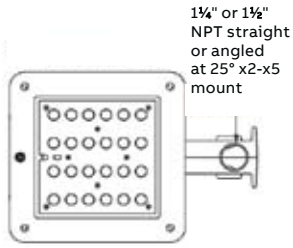




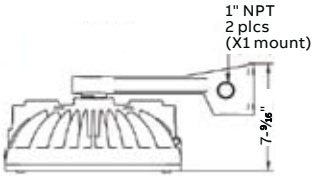


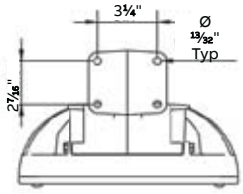


L4-S4 L5-S5 wall/stanchion mount



B3 mount





Numbering system

Lighting fixture					
FDL	10	UN	Y1	M	LG
1	2	3	4	5	6

01. Lighting fixture

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