

LHFL Floodlight/High-Bay

LED floodlight/high-bay
for hazardous locations

RIG-A-LITE™
An Avail Infrastructure Solutions Company



Classifications

- Class I, Division 2, Groups A, B, C & D
- Class II, Divisions 1 & 2, Groups E, F & G
- Class III
- Class I, Zone 2, Groups IIA, IIB & IIC
- Zone 22
- UL 1598A Marine Outside Type
- UL 1598 Wet Locations
- UL 8750 LED Safety
- UL 844 Hazardous Locations
- -40°C to 65°C Ambient Temperature

- CAN/CSA C22.2 No. 250.0-08
- CAN/CSA C22.2 No. 137-M1981
- NEMA 4X
- ABS Type Approved
- IP66
- DLC Listed
- Tested to LM79, LM80
- Factory Sealed
- Build America, Buy America Act (BABA) Compliant
- Buy American Act (BAA) Compliant

IECEX

- Ex ec IIC T3 Gc
- -40°C ≤ Ta ≤ 65°C, IP66
- Ex ec nA nC IIC T3 Gc
- -40°C ≤ Ta ≤ 65°C, IP66

- Ex tc IIIC T100°C Dc
- -40°C ≤ Ta ≤ 55°C, IP66
- Certificate: IECEx ETL 20.0058X

ATEX

- CE  II 3 G D
- II 3 G Ex ec IIC T3 Gc
- -40°C ≤ Ta ≤ 65°C, IP66
- II 3 G Ex ec nA nC IIC T3 Gc
- -40°C ≤ Ta ≤ 65°C, IP66
- II 3 D Ex tc IIIC T100°C Dc
- -40°C ≤ Tamb ≤ 55°C, IP66
- Certificate: ITS-I21ATEX28908X



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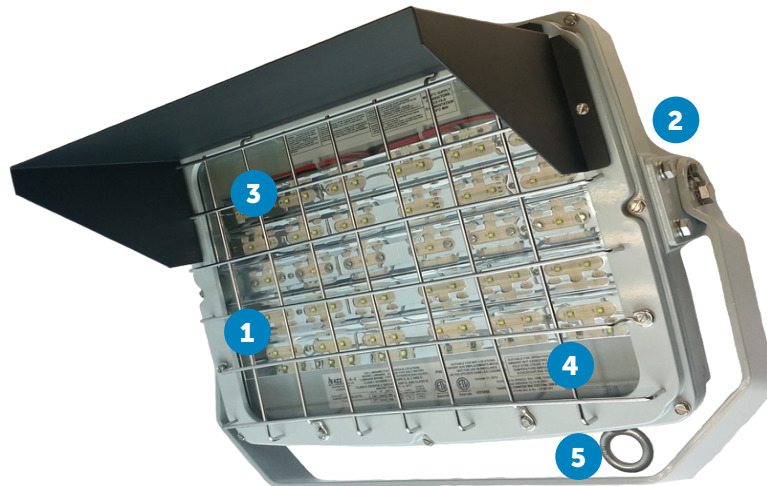
8500 Hansen Road
Houston, TX 77075
(713) 943-0340

LHFL Floodlight/High-Bay

LED floodlight/high-bay for hazardous locations

Key Features

- 1 High-performance precision optics system
- 2 Driver access plate features stainless steel safety retention chain and captive hardware
- 3 Field replaceable LED circuit boards and drivers with quick disconnects
- 4 Approved for high-ambient applications, up to 65° C
- 5 Two (2) permanent safety cable retention points



Additional Features

- Versatile trunnion-mount, with 180° range of motion
- Dual hub entries, feed-through capable
- Optional polycarbonate lens
- Terminal block
- Standard 10kV surge protection
- 5-year warranty

Standard Materials

Body:

A360 aluminum (less than .4% copper content)
with baked-on gray epoxy finish

Gaskets:

Silicone

Lens:

Tempered Glass

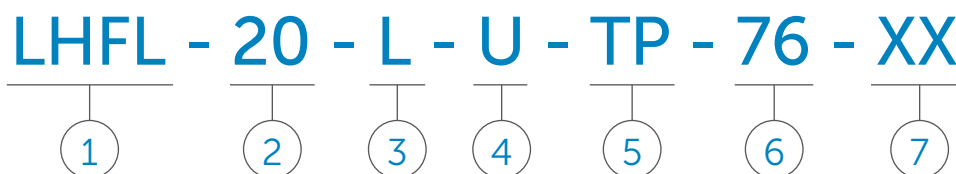
Hardware:

Stainless Steel

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Catalog Number Logic



1

BASIC LUMINAIRE

LHFL = N. American Standards
EXLHFL = IEC, ATEX Standards

2

LUMENS/WATTS

07 = 8,580 Lumens / 60 Watts
09 = 11,280 Lumens / 80 Watts
12 = 13,050 Lumens / 90 Watts
13 = 14,500 Lumens / 100 Watts
15 = 16,560 Lumens / 115 Watts
17 = 18,892 Lumens / 133 Watts
20 = 22,040 Lumens / 152 Watts
23 = 25,632 Lumens / 178 Watts
27 = 30,814 Lumens / 217 Watts
30 = 34,145 Lumens / 240 Watts

3

LAMP TYPE

L = LED (5000K CCT)

4

VOLTAGE/FREQUENCY

U = 100 - 277V 50/60 HZ, 127 - 250 VDC
N = 277 - 480V 50/60 HZ
12 = 120V 60 HZ¹
22 = 220V 50 HZ¹
24 = 240V 60 HZ¹
27 = 277V 60 HZ¹
34 = 347V 60 HZ¹
48 = 480V 60 HZ¹

5

MOUNTING

TP = Straight Trunnion Mount
TA = Angled Trunnion Mount

6

BEAM DISTRIBUTION

76 = 7H x 6V

7

OPTIONS

SC = Safety Cable (Eye Bolt Included)
EB = Eye Bolt
FB1 = Single Fuse Block¹
FB2 = Double Fuse Block¹
PC = Polycarbonate Lens
(Not for EXLHFL Models)
40 = 4000K CCT

¹ When selected, one fuse block is provided for 120V or 277V, two fuse blocks/fuses are provided for 208V – 240V or 480V. Fuse options not available with 347V, fixtures listed for use in Canada, marine listed fixtures or EX Models..

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

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Certification Guide

LHFL

Model	Mount	Watts	Operating Voltage	Total Lumens	Lumens per Watt	CRI	CCT	Ambient Temperature*	Class 1, Div. 2 Group A, B, C, D	Class II Div. 1 Group E, F, G Class III*	Simul Presence	Supply Wire Suitable Temp., °C	Shipping Weight (lbs.)
LHFL07LUTP76	Trunnion	60W	100-277V 50/60Hz	8,580	143	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	37
LHFL07LNTP76	Trunnion	60W	277-480V 50/60Hz	8,580	143	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	37
LHFL09LUTP76	Trunnion	80W	100-277V 50/60Hz	11,280	141	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	37
LHFL09LNTP76	Trunnion	80W	277-480V 50/60Hz	11,280	141	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	37
LHFL12LUTP76	Trunnion	90W	100-277V 50/60Hz	13,050	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL12LNTP76	Trunnion	90W	277-480V 50/60Hz	13,050	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL13LUTP76	Trunnion	100W	100-277V 50/60Hz	14,500	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL13LNTP76	Trunnion	100W	277-480V 50/60Hz	14,500	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL15LUTP76	Trunnion	115W	100-277V 50/60Hz	16,560	144	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL15LNTP76	Trunnion	115W	277-480V 50/60Hz	16,560	144	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL17LUTP76	Trunnion	133W	100-277V 50/60Hz	18,892	142	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	39
LHFL17LNTP76	Trunnion	133W	277-480V 50/60Hz	18,892	142	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	37
LHFL20LUTP76	Trunnion	152W	100-277V 50/60Hz	20,040	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	42
LHFL20LNTP76	Trunnion	152W	277-480V 50/60Hz	20,040	145	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	42
LHFL23LUTP76	Trunnion	178W	100-277V 50/60Hz	25,632	144	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	42
LHFL23LNTP76	Trunnion	178W	277-480V 50/60Hz	25,632	144	70	5000	-40°C < Tamb < 65°C	T3	T5	T3	90°C	42
LHFL27LUTP76	Trunnion	217W	100-277V 50/60Hz	30,814	142	70	5000	-40°C < Tamb < 55°C	T3	T5	T3	90°C	42
LHFL27LNTP76	Trunnion	217W	277-480V 50/60Hz	30,814	142	70	5000	-40°C < Tamb < 55°C	T3	T5	T3	90°C	42
LHFL30LUTP76	Trunnion	240W	100-277V 50/60Hz	34,145	141	70	5000	-40°C < Tamb < 45°C	T3	T5	T3	90°C	42
LHFL30LNTP76	Trunnion	240W	277-480V 50/60Hz	34,145	141	70	5000	-40°C < Tamb < 45°C	T3	T5	T3	90°C	42

* Ambient temperature range is -40°C < Tamb < 55°C in Class II, Div. 1 and Class III.

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Certification Guide

EXLHFL

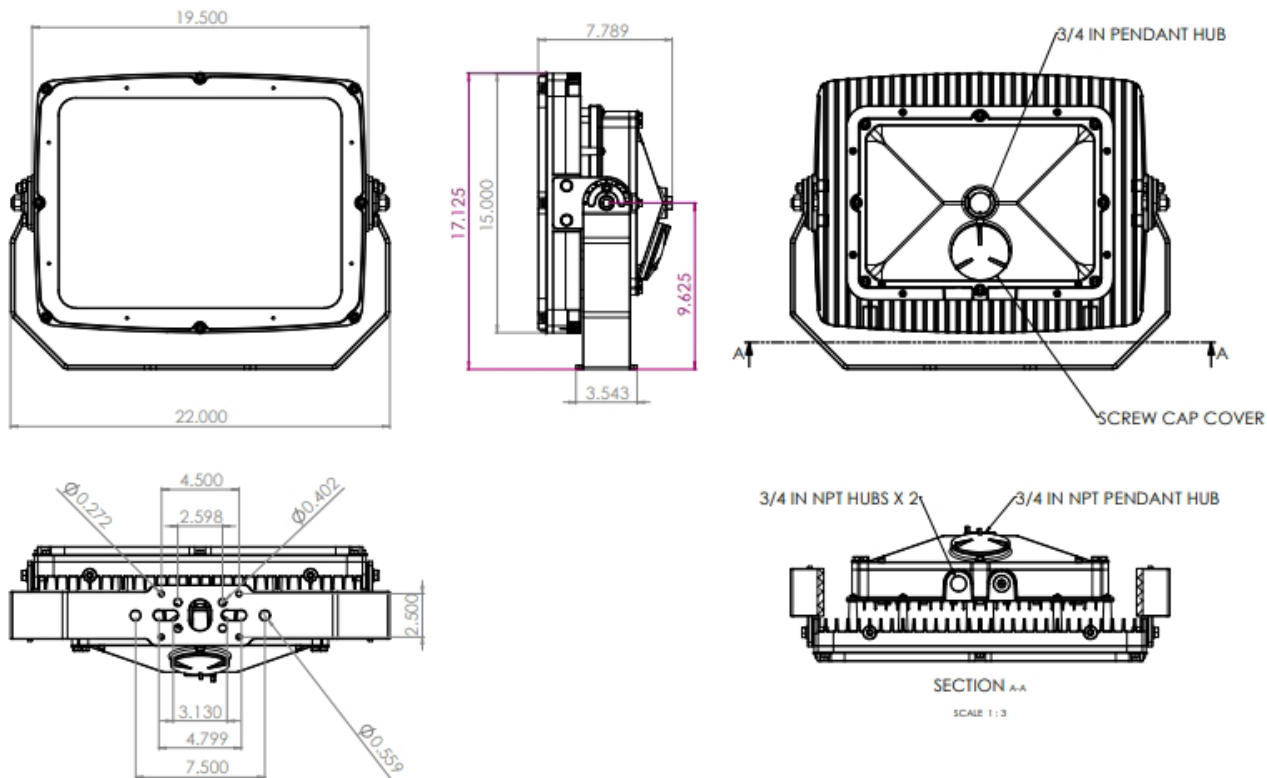
Model	Mount	Watts	Operating Voltage	Total Lumens	Lumens per Watt	CRI	CCT	Ambient Temperature*	IECEX ATEX Ex ec nA nC	IECEX ATEX Ex tc *	Supply Wire Suitable Temp., °C	Shipping Weight (lbs.)
EXLHFL07LUTP76	Trunnion	60W	100 - 277V 50/60Hz	8,580	143	70	5000	-40°C < Tamb < 65°C	T3	100°C	90°C	38
EXLHFL09LUTP76	Trunnion	80W	100 - 277V 50/60Hz	11,280	141	70	5000	-40°C < Tamb < 65°C	T3	100°C	90°C	39
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EXLHFL15LUTP76	Trunnion	120W	100 - 277V 50/60Hz	16,560	144	70	5000	-40°C < Tamb < 65°C	T3	100°C	90°C	39
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EXLHFL20LUTP76	Trunnion	152W	100 - 277V 50/60Hz	22,040	145	70	5000	-40°C < Tamb < 65°C	T3	100°C	90°C	42
EXLHFL23LUTP76	Trunnion	178W	100 - 277V 50/60Hz	25,632	144	70	5000	-40°C < Tamb < 65°C	T3	100°C	90°C	42
EXLHFL27LUTP76	Trunnion	217W	100 - 277V 50/60Hz	30,814	142	70	5000	-40°C < Tamb < 55°C	T3	100°C	90°C	42
EXLHFL30LUTP76	Trunnion	240W	100 - 277V 50/60Hz	34,145	141	70	5000	-40°C < Tamb < 45°C	T3	100°C	90°C	42

* Ambient temperature range is -40°C < Tamb < 55°C for IECEX/ATEX Ex tc.

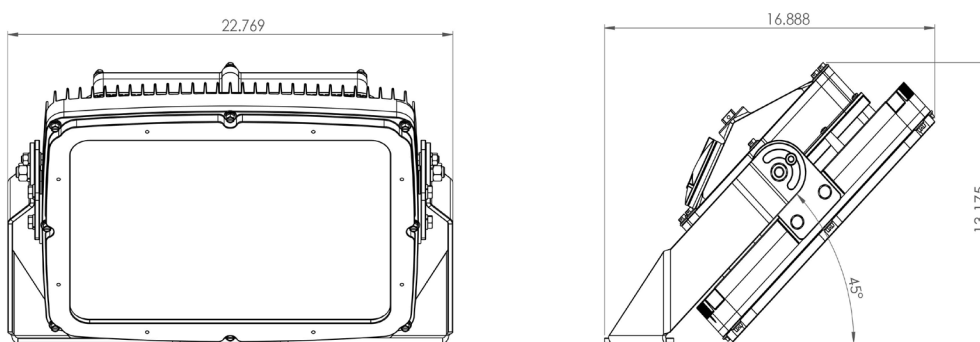
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Fixture Dimensions (Straight Mount)



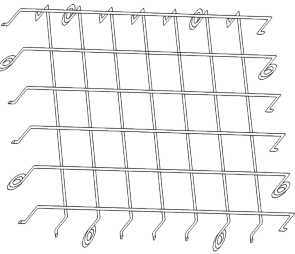
Fixture Dimensions (Angled Mount)



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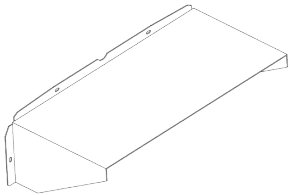
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Accessories

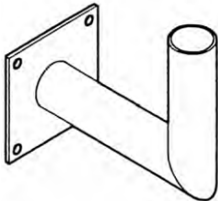
Guard	Catalog Number
	86009

Pole Top Mounting Kit*	Catalog Number	Shipping Weight (lbs.)
	RSF5	5.0

* Fits 2" - 2 1/2" pole top tenon, pipe size 2 3/8" - 2 7/8" O.D.
Adapts to horizontal or vertical mounting yokes. Stainless Steel mounting hardware included.

Visor	Catalog Number
	86036P

Safety Cable	Catalog Number	Shipping Weight (lbs.)
	10128R	1.0

Wall Mount Bracket	Catalog Number	Shipping Weight (lbs.)
	26379A	3.5

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