

# 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

## IECEX

- Ex ec IIC T5 Gc
- -40°C ≤ Ta ≤ 65°C, IP66
- Ex ec nA nC IIC T5 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 T5 Gc
- -40°C ≤ Ta ≤ 65°C, IP66
- II 3 G Ex ec nA nC IIC T5 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

[availinfra.com/rig-a-lite](http://availinfra.com/rig-a-lite)

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

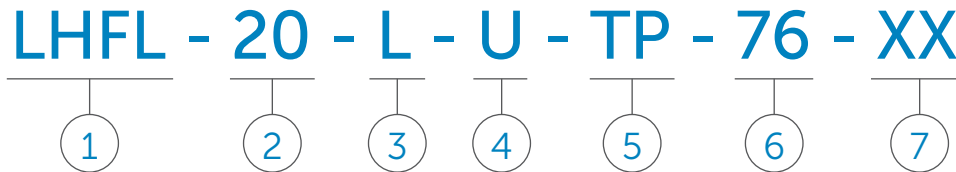
### Standard Materials

- Body:**  
A360 aluminum (less than .4% copper content)  
with baked-on gray epoxy finish
- Gaskets:**  
Silicone
- Lens:**  
Tempered Glass
- Hardware:**  
Stainless Steel

# LHFL Floodlight/High-Bay

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### Catalog Number Logic



#### 1

##### BASIC LUMINAIRE

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

#### 2

##### LUMENS/WATTS

07 = 8,059 Lumens / 64 Watts  
09 = 10,476 Lumens / 76 Watts  
12 = 12,919 Lumens / 98 Watts  
13 = 14,121 Lumens / 119 Watts  
15 = 15,359 Lumens / 132 Watts  
17 = 16,420 Lumens / 127 Watts  
20 = 20,239 Lumens / 164 Watts  
23 = 23,684 Lumens / 173 Watts  
27 = 25,940 Lumens / 194 Watts

#### 3

##### LAMP TYPE

L = LED (5000K CCT)

#### 4

##### VOLTAGE/FREQUENCY

U = 120 - 277V 50/60 HZ, 127 - 250 VDC  
N = 347/480V 60 HZ  
12 = 120V 60 HZ<sup>1</sup>  
22 = 220V 50 HZ<sup>1</sup>  
24 = 240V 60 HZ<sup>1</sup>  
27 = 277V 60 HZ<sup>1</sup>  
34 = 347V 60 HZ<sup>1</sup>  
48 = 480V 60 HZ<sup>1</sup>

#### 5

##### MOUNTING

TP = Universal Mount (Trunnion/Pendant)

#### 6

##### BEAM DISTRIBUTION

76 = 7H x 6V

#### 7

##### OPTIONS

SC = Safety Cable (Eye Bolt Included)  
EB = Eye Bolt  
FB1 = Single Fuse Block<sup>1</sup>  
FB2 = Double Fuse Block<sup>1</sup>  
PC = Polycarbonate Lens  
(Not for EXLHFL Models)  
40 = 4000K CCT

<sup>1</sup> 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.

# LHFL Floodlight/High-Bay

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### Certification Guide

#### LHFLJ

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.)
LHFL07LU	Universal	64W	120 - 277V 50/60Hz 127-250 VDC	8,059	126.09	71	4825	-40°C < Tamb < 65°C	T5	T5	T5	90°C	38
LHFL07LN	Universal	67W	347/480V 60 Hz	8,059	120.28	71	4825	-40°C < Tamb < 65°C	T5	T5	T5	90°C	40
LHFL09LU	Universal	76W	120 - 277V 50/60Hz 127-250 VDC	10,476	137.41	71	4799	-40°C < Tamb < 65°C	T5	T5	T5	90°C	39
LHFL09LN	Universal	81W	347/480V 60 Hz	10,476	129.33	71	4799	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL12LU	Universal	98W	120 - 277V 50/60Hz 127-250 VDC	12,919	131.25	71.1	4824	-40°C < Tamb < 65°C	T5	T5	T5	90°C	39
LHFL12LN	Universal	103W	347/480V 60 Hz	12,919	125.43	71.1	4824	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL13LU	Universal	119W	120 - 277V 50/60Hz 127-250 VDC	14,121	119.10	71	4994	-40°C < Tamb < 65°C	T5	T5	T5	90°C	39
LHFL13LN	Universal	125W	347/480V 60 Hz	14,121	112.97	71	4994	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL15LU	Universal	132W	120 - 277V 50/60Hz 127-250 VDC	15,359	115.97	72.1	4961	-40°C < Tamb < 65°C	T5	T5	T5	90°C	39
LHFL15LN	Universal	144W	347/480V 60 Hz	15,359	106.66	72.1	4961	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL17LU	Universal	127W	120 - 277V 50/60Hz 127-250 VDC	16,420	129.00	74.5	5006	-40°C < Tamb < 65°C	T5	T5	T5	90°C	39
LHFL17LN	Universal	137W	347/480V 60 Hz	16,420	119.85	74.5	5006	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL20LU	Universal	164W	120 - 277V 50/60Hz 127-250 VDC	20,239	123.70	71.5	5046	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL20LN	Universal	175W	347/480V 60 Hz	20,239	115.65	71.5	5046	-40°C < Tamb < 65°C	T5	T5	T5	90°C	47
LHFL23LU	Universal	173W	120 - 277V 50/60Hz 127-250 VDC	23,684	137.30	74	4898	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL23LN	Universal	179W	347/480V 60 Hz	23,684	133.06	74	4898	-40°C < Tamb < 65°C	T5	T5	T5	90°C	47
LHFL27LU	Universal	194W	120 - 277V 50/60Hz 127-250 VDC	25,940	133.60	74.7	4980	-40°C < Tamb < 65°C	T5	T5	T5	90°C	42
LHFL27LN	Universal	203W	347/480V 60 Hz	25,940	127.78	74.7	4980	-40°C < Tamb < 65°C	T5	T5	T5	90°C	47

\* Ambient temperature range is -40°C < Tamb < 65°C in Class II, Div. 1 and Class III.

# LHFL Floodlight/High-Bay

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### Certification Guide

#### EXLHFL

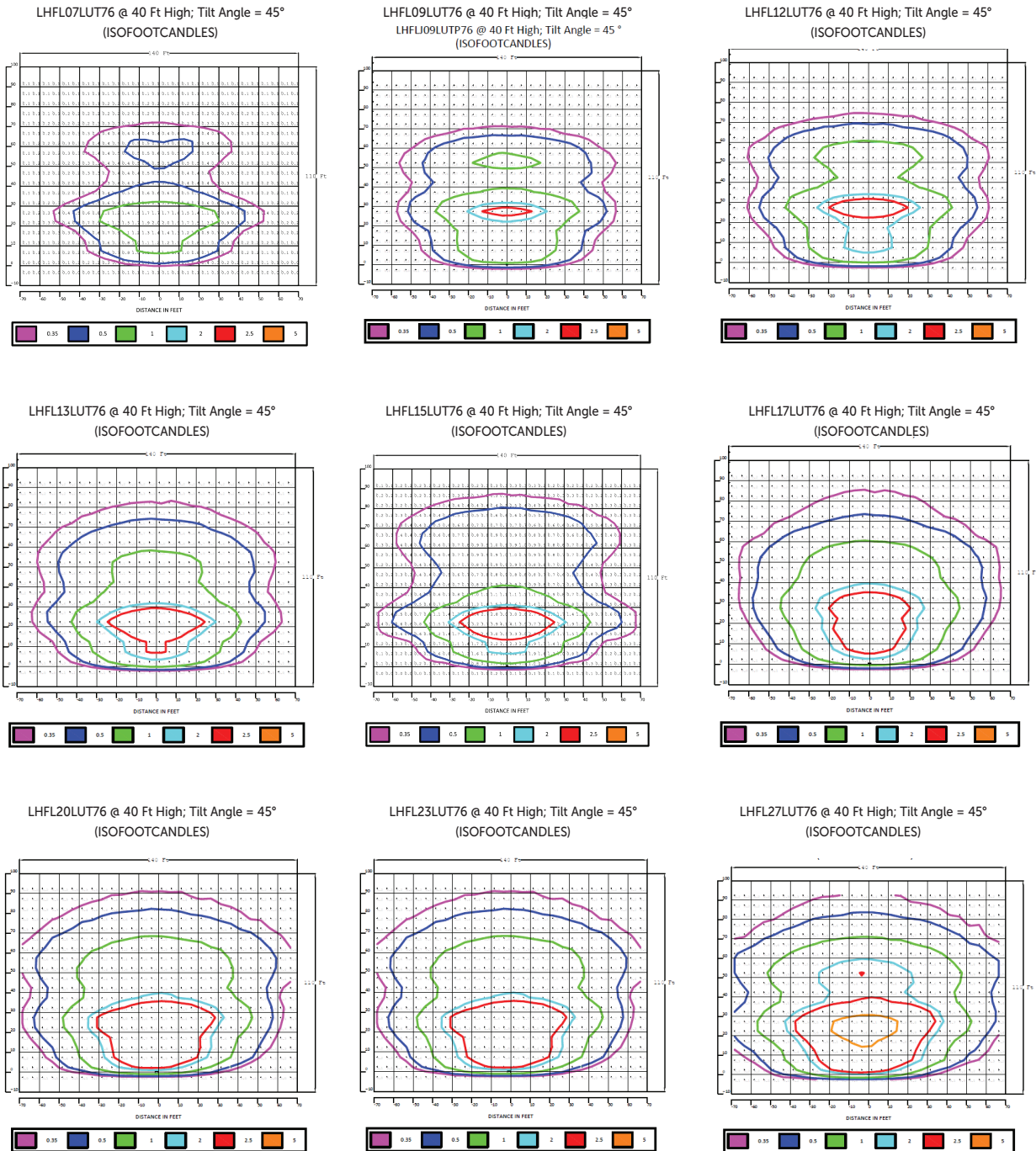
Model	Mount	Watts	Operating Voltage	Total Lumens	Lumens per Watt	CRI	CCT	Ambient Temperature*	IECEX ATEX Ex ec nA nC	IECEX ATEX Ex tc *	Supply Wire Suitable Temp., °C	Shipping Weight (lbs.)
EXLHFL07LU	Universal	64W	120 - 277V 50/60Hz 127-250 VDC	8,059	126.09	71	4825	-40°C < Tamb < 65°C	T5	100°C	90°C	38
EXLHFL09LU	Universal	76W	120 - 277V 50/60Hz 127-250 VDC	10,476	137.41	71	4799	-40°C < Tamb < 65°C	T5	100°C	90°C	39
EXLHFL12LU	Universal	98W	120 - 277V 50/60Hz 127-250 VDC	12,919	131.25	71.1	4824	-40°C < Tamb < 65°C	T5	100°C	90°C	39
EXLHFL13LU	Universal	119W	120 - 277V 50/60Hz 127-250 VDC	14,121	119.10	71	4994	-40°C < Tamb < 65°C	T5	100°C	90°C	39
EXLHFL15LU	Universal	132W	120 - 277V 50/60Hz 127-250 VDC	15,359	115.97	72.1	4961	-40°C < Tamb < 65°C	T5	100°C	90°C	39
EXLHFL17LU	Universal	127W	120 - 277V 50/60Hz 127-250 VDC	16,420	129.00	74.5	5006	-40°C < Tamb < 65°C	T5	100°C	90°C	39
EXLHFL20LU	Universal	164W	120 - 277V 50/60Hz 127-250 VDC	20,239	123.70	71.5	5046	-40°C < Tamb < 65°C	T5	100°C	90°C	42
EXLHFL23LU	Universal	173W	120 - 277V 50/60Hz 127-250 VDC	23,684	137.30	74	4898	-40°C < Tamb < 65°C	T5	100°C	90°C	42
EXLHFL27LU	Universal	194W	120 - 277V 50/60Hz 127-250 VDC	25,940	133.60	74.7	4980	-40°C < Tamb < 65°C	T5	100°C	90°C	42

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

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### Photometric Data

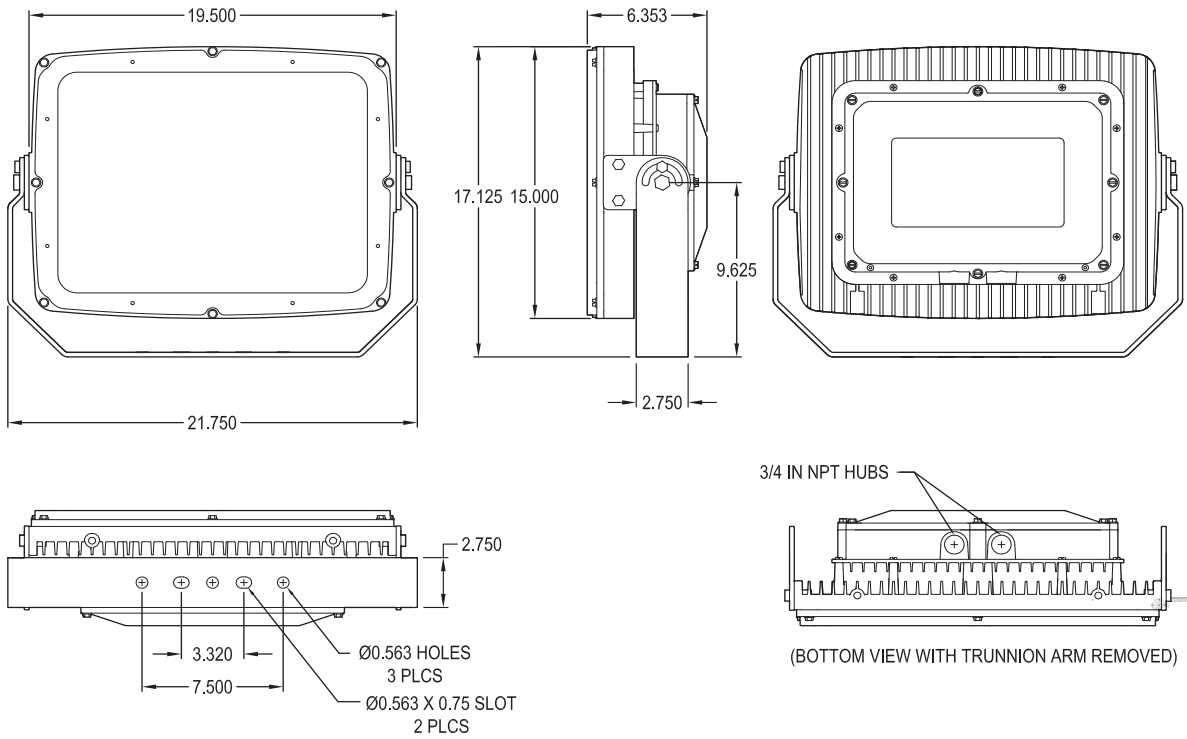




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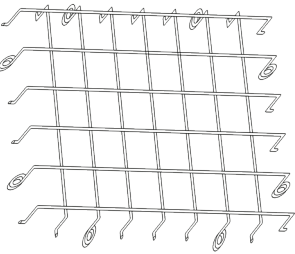
## Fixture Dimensions (inches)

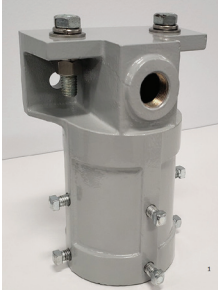


# LHFL Floodlight/High-Bay

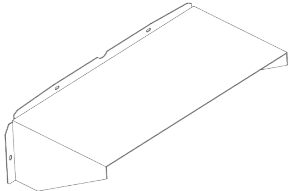
## LED floodlight/high-bay for hazardous locations


### Accessories

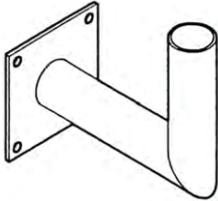
Guard	Catalog Number
	86009

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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