

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
- 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

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



availinfra.com/rig-a-lite

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

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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

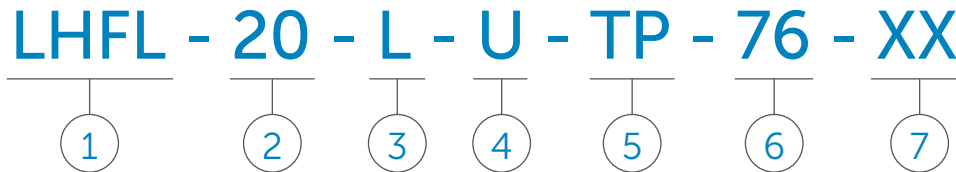
Standard Materials

- 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 = 8,059 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 HZ¹
22 = 220V 50 HZ¹
24 = 240V 60 HZ¹
27 = 277V 60 HZ¹
34 = 347V 60 HZ¹
48 = 480V 60 HZ¹

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 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

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 < 55°C in Class II, Div. 1 and Class III.

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Certification Guide

EXLHFL

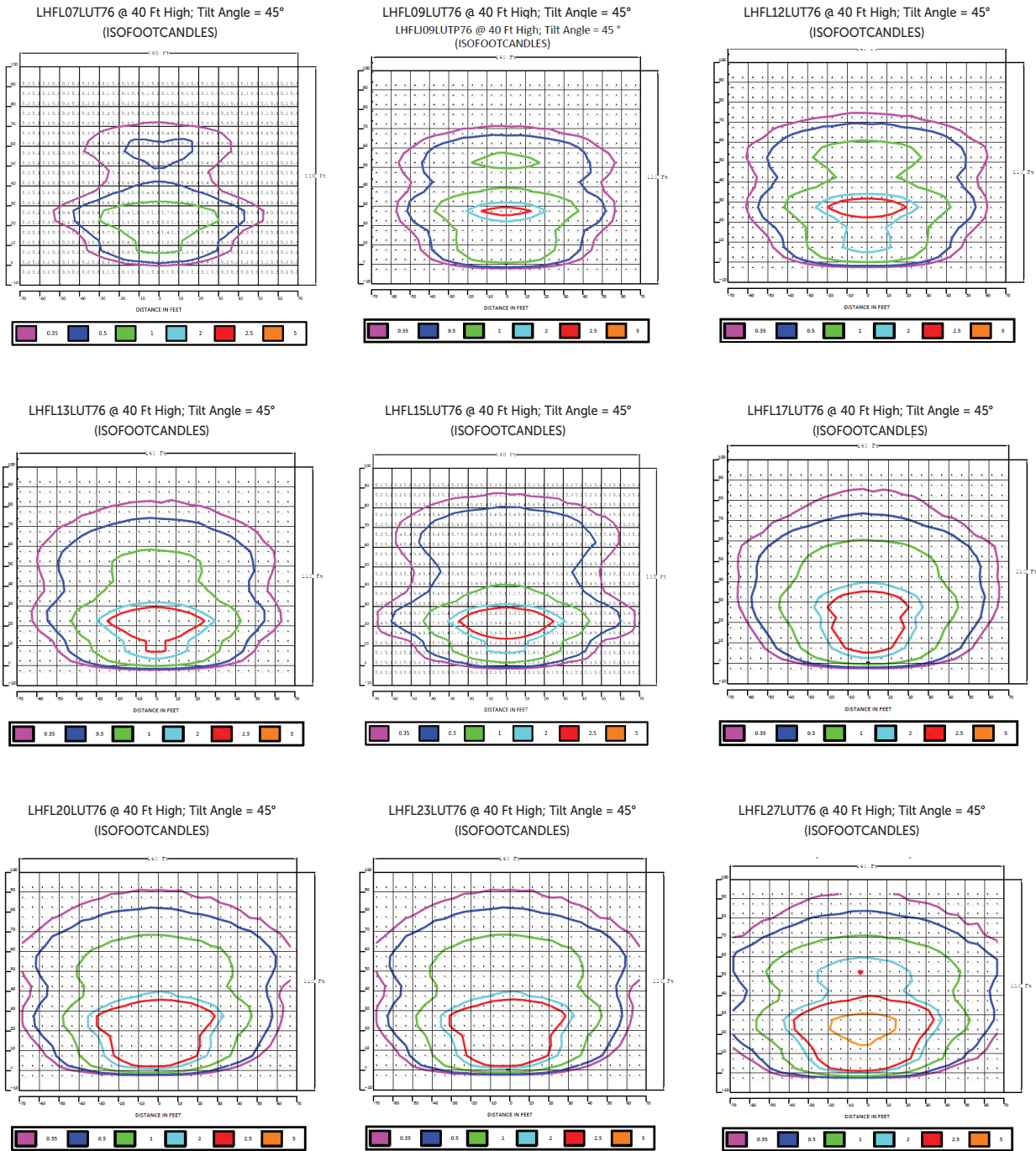
Model	Mount	Watts	Operating Voltage	Total Lumens	Lumens per Watt	CRI	CCT	Ambient Temperature*	IECEX ATEX Ex ec nA nC	IECEX ATEX Ex tc *	Supply Wire Suitable Temp., °C	Shipping Weight (lbs.)
EXLHFL07LU	Universal	64W	120 - 277V 50/60Hz 127-250 VDC	8,059	126.09	71	4825	-40°C < Tamb < 65°C	T5	100°C	90°C	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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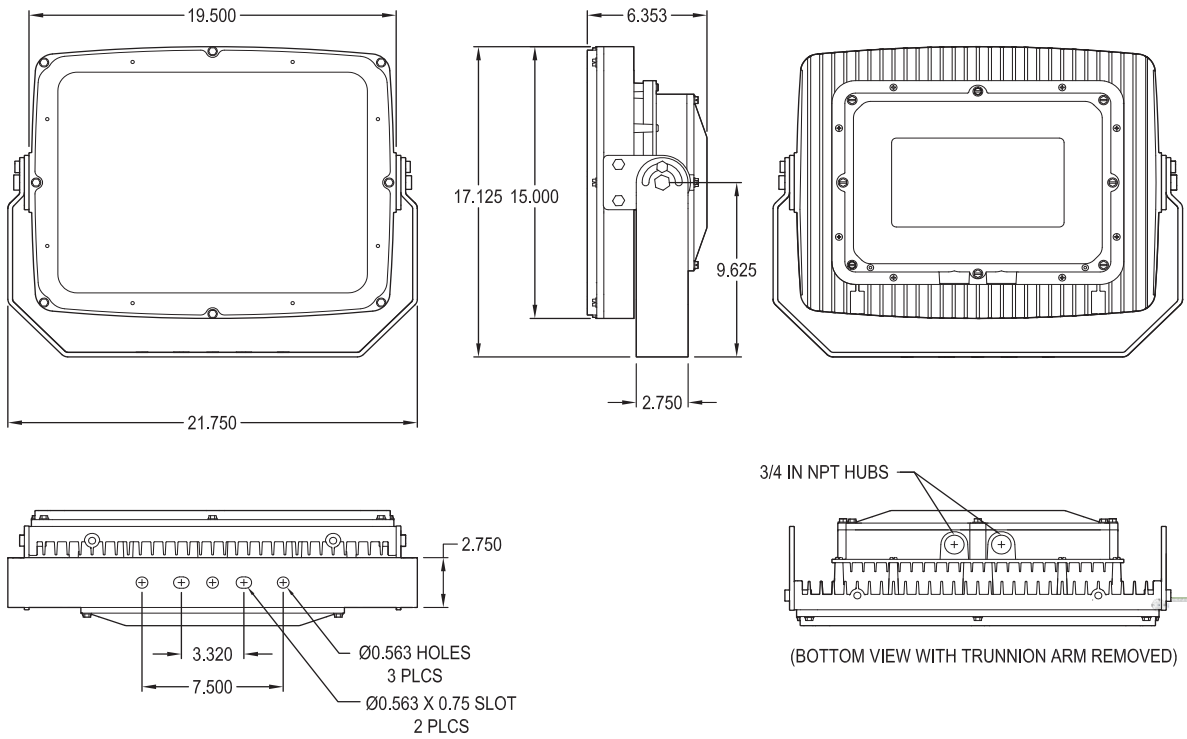
Photometric Data



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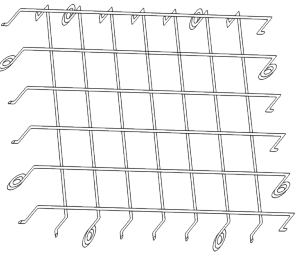
Fixture Dimensions (inches)

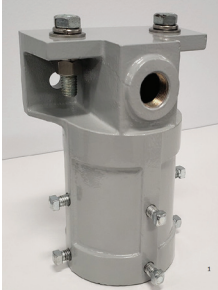


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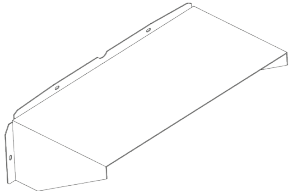
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Accessories

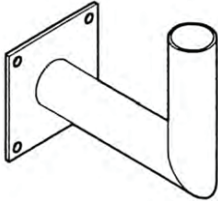
Guard	Catalog Number
	86009

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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