

WFH LED

High-bay lighting for hazardous
& wet locations

RIG-A-LITE™
An Avail Infrastructure Solutions Company



Classifications

- Class I, Division 2, Groups A, B, C, & D
- Class II, Division 2, Groups F & G
- Class III
- UL 844 Hazardous Locations
- UL 1598 Wet Locations
- UL 8750 LED Safety
- NEMA 4X
- CUL Listed
- NSF Certified Food Equipment
- High Pressure Hose Down
- One Piece Welded Aluminum Construction
- Rated for -20° F minimum starting temperature
- 50° C (122° F) maximum ambient temperature
- Single or dual hub mounting
- Bolt-on and gasketed cast aluminum hubs
- Water tight, ideal for food processing
- 4000K (CCT) Standard- other options available on catalog number logic page
- 60,000 or more hours rated life expectancy
- Five year warranty against manufacturer's defects
- Build America, Buy America Act (BABA) Compliant
- Buy American Act (BAA) Compliant



availinfra.com/rig-a-lite

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

WFH LED

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Key Features

- 1 Welded aluminum lens frame with electrostatically applied baked on epoxy finish
- 2 Watershed design
- 3 Stainless steel captive hardware
- 4 Philips LED System driver and PCB



Additional Features

- Ceiling, pendant and wall-mounting options
- No external fins
- Optional dimming driver

Standard Materials

Body:

Corrosion resistant aluminum with electrostatically applied baked on epoxy finish

Gasket:

One-Piece Silicone

Lens:

High Impact Clear Acrylic

Hardware:

Stainless Steel

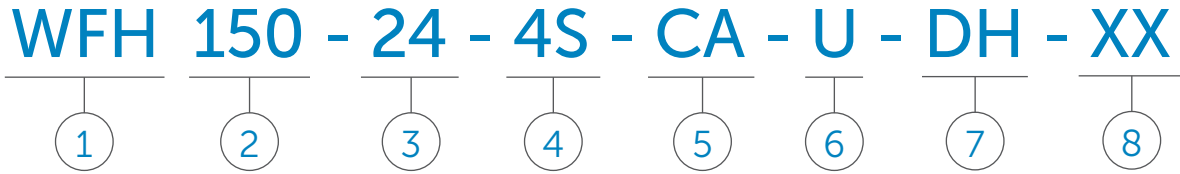
LED Series

Size	Description	Voltage	Catalog Number
2 foot X 4 foot	148 Watt LED Luminaire with Clear Acrylic Lens	120-277V 50/60HZ	WFH150244SCAU
		347-480V 60HZ	WFH150244SCAN
	148 Watt LED Luminaire with Prismatic Acrylic Lens	120-277V 50/60HZ	WFH150244SPAU
		347-480V 60HZ	WFH150244SPAN
	148 Watt LED Luminaire with Clear Polycarbonate Lens	120-277V 50/60HZ	WFH150244SCPU
		347-480V 60HZ	WFH150244SCPN

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Catalog Number Logic



1

BASIC SERIES

WFH LED Fixture
Class I, Division 2, Groups A, B, C, & D
Class II, Division 2, Groups F & G
Class III
UL 844 Hazardous Locations
UL 1598 Wet Locations
UL 8750 LED Safety
NEMA 4X
CUL Listed
NSF Certified Food Equipment
Wash Down Rated

2

LAMP CURRENT/LAMP WATTAGE

150 = 148W LED

3

NOMINAL FIXTURE LENGTH

24 = 2 x 4 Foot

4

NUMBER OF LED STRIPS

4S = 4 LED Strips

5

LENS TYPE

CA = Clear Acrylic
PA = Prismatic Acrylic
CP = Clear Polycarbonate

6

VOLTAGE/FREQUENCY

N = 347 thru 480V 50/60 HZ
U = 120 thru 277V 50/60 HZ

7

MOUNTING

DH = Dual Hub 1/2 in. NPT
SH = Single Hub 3/4 in. NPT

8

OPTIONS¹

F = Single Fuse- For USL luminaires only For luminaires rated 277 VAC or less)
D = Dimmable (0-10 Volt)
DF = Double Fuse- For USL luminaires only (For luminaires rated 277 VAC or less)
HNG = Hinged Lens Frame
50 = 5000K (CCT)

¹ Consult factory for pricing

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

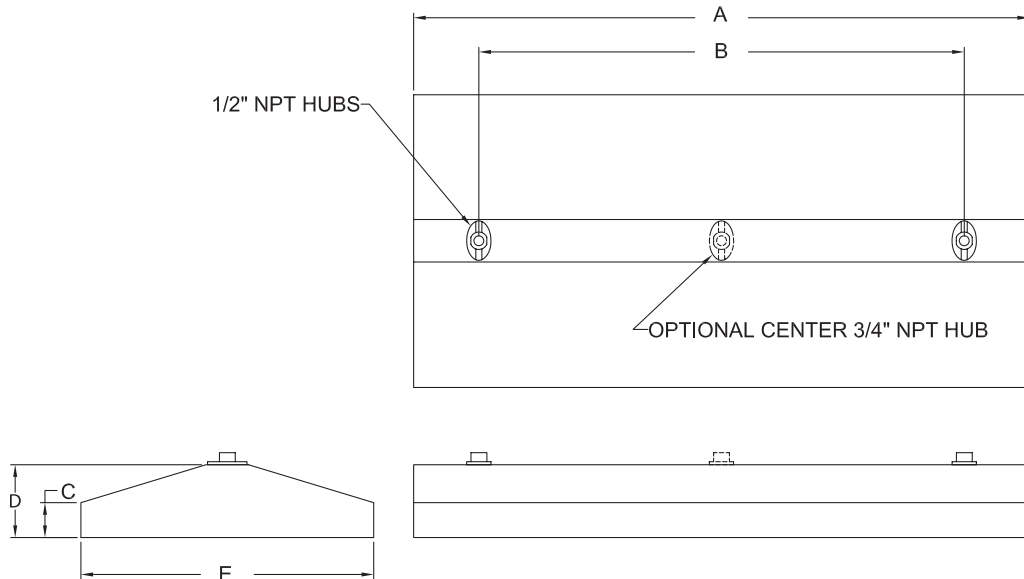
Certification Guide

Operating Temperature Code			
WFH Series	Class I, Division 2 Groups A, B, C & D	Class II, Division 2, Groups F & G Group III	Maximum Ambient Temperature
WFH150244XXU	T5	T6	50° C

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Fixture Dimensions (inches)



WFH Series	Dimensions (inches)					Hub Size	Boxed Weight	Shipping Volume (Boxed Fixtures)
	A	B	C	D	E			
2 ft. x 4 ft. Fixture	50.75	40.0	2.88	6	24.13	1/2	39 lbs.	4.7 cu. ft.

Accessories

Eye Bolt Mounting Kit



Catalog Number: 53116
Shipping Weight: 3.0 lbs.
Cable or Chain Not Included
Required with Single Hub Mounting Option

Fixture Hanger



3/4 in. Male Thread
Catalog Number: HCK75
Shipping Weight: 1.7 lbs.

Y Fit Cable with 2 ft. Legs



Stainless Steel
12 ft. Catalog Number: GRYSS122
22 ft. Catalog Number: GRYSS222
Shipping Weight: 4 lbs.

Occupancy Sensor



120/277VAC Sensor Module
Catalog Number: 76007
Shipping Weight: 0.25 lbs.
Lenses:
10' Mounting Height Number: 76003
20' Mounting Height Number: 76008
40' Mounting Height Number: 76009
(not suitable for hazardous locations)

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Coefficients of Utilization

WFH150244SPAUXX

% Effective Ceiling Cavity Reflectance rcc	80			50			10		
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10
Room Cavity Ratio RCR	Effective Floor Cavity Reflectance 20%								
0	1.19	1.19	1.19	1.11	1.11	1.11	1.02	1.02	1.02
1	1.06	1.02	.99	.99	.97	.94	.92	.90	.88
2	.94	.88	.83	.89	.84	.80	.83	.80	.77
3	.84	.76	.70	.79	.73	.69	.74	.70	.66
4	.75	.67	.61	.72	.65	.60	.67	.62	.58
5	.68	.59	.53	.64	.57	.52	.61	.55	.51
6	.61	.52	.46	.58	.51	.46	.55	.49	.45
7	.55	.46	.41	.52	.45	.40	.50	.44	.39
8	.50	.42	.36	.48	.40	.35	.45	.39	.35
9	.45	.37	.32	.43	.36	.31	.41	.35	.31

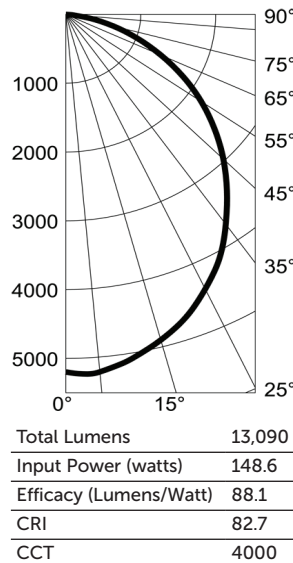
WFH150244SCAUXX

% Effective Ceiling Cavity Reflectance rcc	80			50			10		
% Wall Reflectance rw	50	30	10	50	30	10	50	30	10
Room Cavity Ratio RCR	Effective Floor Cavity Reflectance 20%								
0	1.19	1.19	1.19	1.11	1.11	1.11	1.02	1.02	1.02
1	1.06	1.03	.99	1.00	.97	.95	.93	.91	.89
2	.95	.89	.84	.89	.85	.81	.83	.80	.77
3	.84	.77	.71	.80	.74	.69	.75	.71	.67
4	.75	.68	.61	.72	.65	.60	.67	.63	.59
5	.68	.59	.53	.64	.57	.52	.61	.55	.51
6	.61	.52	.46	.58	.51	.45	.55	.49	.45
7	.54	.46	.40	.52	.44	.39	.49	.43	.39
8	.49	.41	.35	.47	.40	.35	.45	.39	.34
9	.45	.36	.31	.43	.36	.31	.41	.35	.30

Candlepower Distribution

Deg.	ParL.	22.5	45	67.5	Norm
0	5196.8	5196.8	5196.8	5196.8	5196.8
15	4877.6	4856	4863.1	4880.3	4898.5
25	4433.2	4453.2	4423.1	4401.1	4404
35	3807.6	3842.6	3816.6	3730.1	3423.3
45	3086.2	3124.5	3089.7	2995.8	2973.9
55	2346.8	2392.8	2343.4	2224.3	2205.7
65	1521.8	1589.6	1552.2	1143.6	1402.1
75	745.5	770.1	754.2	674.3	659.4
85	103.8	104.1	101.8	96.9	98.6
90	2.2	2.1	2.2	2.2	2.3

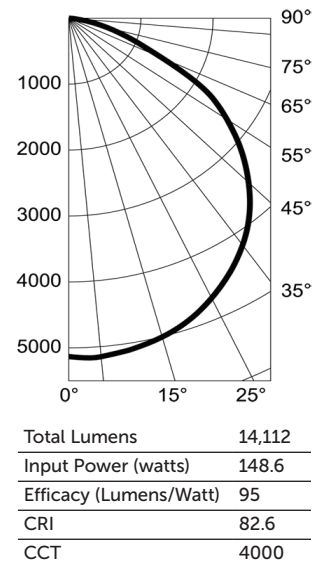
Photometric Data



Candlepower Distribution

Deg.	ParL.	22.5	45	67.5	Norm
0	5130.9	5130.9	5130.9	5130.9	5130.9
15	4933.1	4930.6	4959	4975.2	5004.9
25	4630.2	4626.9	4648.3	4663.9	4684
35	4158.1	4160.8	4171.3	4187.8	4200.5
45	3514.6	3521.1	3523.1	3522.4	3524.8
55	2711.4	2715.6	2697.5	2690.4	2676.6
65	1722.6	1736.1	1702.8	1648.9	1429
75	922.2	926.3	756.7	712.2	731.2
85	44.5	47.7	55	60.3	59.6
90	2.1	2	2	2.2	2.3

Photometric Data



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