WFHN LED Series

High-bay lighting for heavy hose-down environments

RIG·A·LITE™
An Avail Infrastructure Solutions Company

Classifications

- UL 1589 Wet Locations
- UL 8750 LED Safety
- CUL Listed
- NSF Certified Food Equipment
- High Pressure Hose-Down
- One Piece Welded Aluminum Construction
- NEMA 4X
- Rated for -20° F minimum starting temperature
- 50º C (122° F) maximum ambient temperature
- Single or dual hub mounting

- Watershed design
- Stainless steel external hardware
- Bolt-on and gasketed cast aluminum hubs
- Water tight, ideal for food processing
- Low temperature rating suitable for freezers
- 4000K CCT standard- other options available on catalog number logic page
- Five year warranty against manufacturers defect

availinfra.com/rig-a-lite

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Houston, TX 77075
(713) 943-0340

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Key Features

1 Heavy duty one-piece continuously welded corrosion resistant aluminum construction with electrostatically applied baked on epoxy finish

2 Watershed design

3 Stainless steel captive hardware

4 Philips LED System (driver & PCB)

5 4000K CCT LEDs Standard. 3500K or 5000K CCT available

6 Welded aluminum lens frame with electrostatically applied baked on epoxy finish & silicone gasket is held captive with stainless steel cable for clean appearance and cleanability. Stainless steel hinge option available

7 High impact clear or prismatic acrylic lens. Clear polycarbonate also available

**8** Hinged access panel for easy access to drivers and wiring.

LED Series

Size	Description	Voltage	Catalog Number
2 foot X 4 foot	148 Watt LED Luminaire with Clear Acrylic Lens	120-277V 50/60HZ	**WFHN150244SCAU**
		347-480V 60HZ	**WFHN150244SCAN**
	148 Watt LED Luminaire with Prismatic Acrylic Lens	120-277V 50/60HZ	**WFHN150244SPAU**
		347-480V 60HZ	**WFHN150244SPAN**
	148 Watt LED Luminaire with Prismatic Polycarbonate Lens	120-277V 50/60HZ	**WFHN150244SCPU**
		347-480V 60HZ	**WFHN150244SCPN**

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Catalog Number Logic

WFHN 150 - 24 - 4S - CA - U - DH - XX

(1) (2) (3) (4) (5) (6) (7) (8)
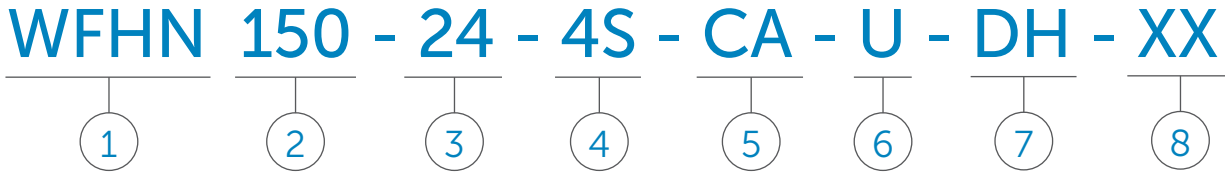
1
BASIC SERIES
WFHN LED Fixture
UL 1598 Wet Locations
UL 8750 LED Safety
CUL Listed
NSF Certified Food Equipment
Wash Down Rated

2
LAMP CURRENT/LAMP WATTAGE
150 = 148 Watt 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
OPTIONS[1]
F = Single Fuse- For USL luminairies only (For luminairies rated 277 VAC or less)
D = Dimming Ballast
DF = Double Fuse- For USL luminairies only (For luminairies rated 277 VAC or less)
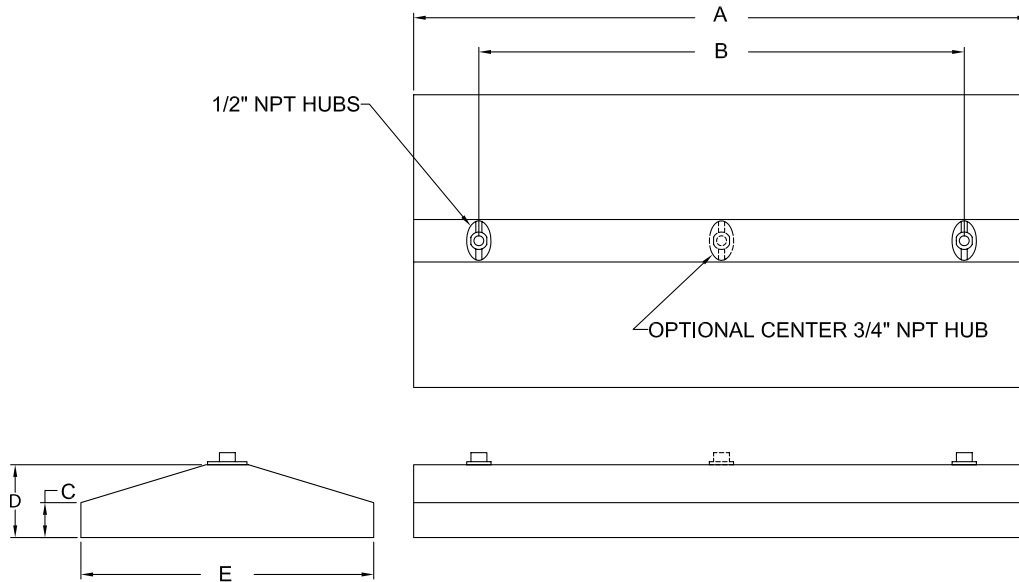HNG = Hinged Lens Frame
50 = 5000K CCT

[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.

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Fixture Dimensions (inches)

1/2" NPT HUBS

OPTIONAL CENTER 3/4" NPT HUB

WFHN 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)

Coefficients of Utilization

WFHN150244SPAUXX

% 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

WFHN150244SCAUXX

% 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	.59	.52	.46	.58	.51	.45	.55	.49	.45
7	.52	.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
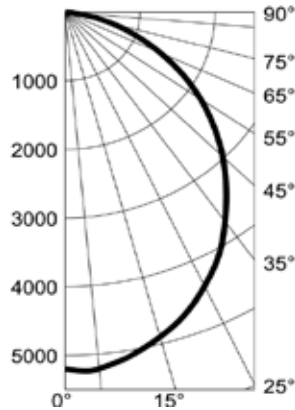
Total Lumens	13,090
Input Power (watts)	148.6
Efficacy (Lumens/Watt)	88.1
CRI	82.7
CCT	4000

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
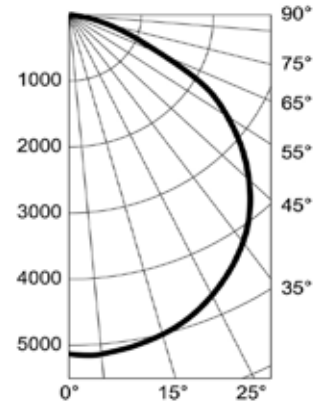
Total Lumens	14,112
Input Power (watts)	148.6
Efficacy (Lumens/Watt)	95
CRI	82.6
CCT	4000

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