

# WFH Series

Fluorescent high-bay lighting  
for hazardous 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 Listed for Wet & Hazardous Locations
- CUL Listed for Wet Locations
- NEMA 4X
- NSF Certified Food Equipment
- High Pressure Hose Down
- One Piece Welded Aluminum Construction
- Rated for -20° F minimum starting temperature
- 55° C (131° F) maximum ambient temperature
- Single or dual hub mounting
- Bolt-on and gasketed cast aluminum hubs
- Water tight, ideal for food processing
- Buy American Act (BAA) Compliant



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

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

# WFH Series

## Fluorescent high-bay lighting for hazardous locations

### 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 Highly efficient 95° specular reflector standard
- 5 Four or six T8 or T5HO lamps.
- 6 High impact clear acrylic or prismatic lens
- 7 Hinged reflector assembly for easy access to ballast and wiring. Stainless Steel hinge optional



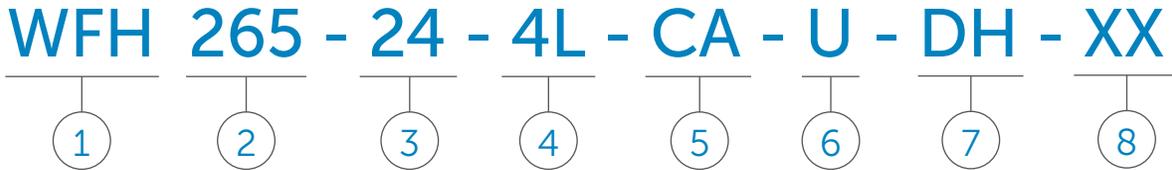
### Fluorescent Series

	Description	Voltage	Catalog Number
Four Lamp Fixture	54 Watt T5HO Miniature Bi-Pin Lamps, 48"	120-277V 50/60HZ	WFHT5HO-24-4-CA-U
		347-480V 60HZ	WFHT5HO-24-4-CA-N
		347V 60HZ	WFHT5HO-24-4-CA-H
		480V 60HZ	WFHT5HO-24-4-CA-48
	32 Watt Instant Start Medium Bi-Pin T8 265mA Lamps, 48"	120-277V 50/60HZ	WFH265-24-4-CA-U
		347-480V 60HZ	WFH265-24-4-CA-N
		347V 60HZ	WFH265-24-4-CA-H
		480V 60HZ	WFH265-24-4-CA-48
Six Lamp Fixture	54 Watt T5HO Miniature Bi-Pin Lamps, 48"	120-277V 50/60HZ	WFHT5HO-24-6-CA-U
		347-480V 60HZ	WFHT5HO-24-6-CA-N
		347V 60HZ	WFHT5HO-24-6-CA-H
		480V 60HZ	WFHT5HO-24-6-CA-48
	32 Watt Instant Start Medium Bi-Pin T8 265mA Lamps, 48"	120-277V 50/60HZ	WFH265-24-6-CA-U
		347-480V 60HZ	WFH265-24-6-CA-N
		347V 60HZ	WFH265-24-6-CA-H
		480V 60HZ	WFH265-24-6-CA-48

# WFH Series

## Fluorescent high-bay lighting for hazardous locations

### Catalog Number Logic



#### 1

##### BASIC SERIES

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

#### 2

##### LAMP CURRENT/LAMP WATTAGE

265 = 265mA, 59, 32 Watt (T8 Lamps)  
 T5HO = 54 Watt Four Foot Lamp

#### 3

##### NOMINAL FIXTURE LENGTH

24 = 2 x 4 Foot

#### 4

##### NUMBER OF LED STRIPS

4 = 4 Lamps  
 6 = 6 Lamps

#### 5

##### LENS TYPE

CA = Clear Acrylic  
 PA = Prismatic Acrylic  
 CP = Clear Polycarbonate  
 (Wet & Hose Down Locations Only)

#### 6

##### VOLTAGE/FREQUENCY

H = 347V 60 HZ  
 N = 347 thru 480V 50/60 HZ  
 U = 120 thru 277V 50/60 HZ  
 48 = 480V 60HZ

#### 7

##### MOUNTING

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

#### 8

##### OPTIONS<sup>1</sup>

HL = High Lumen Ballast (T8 Only)  
 DM = Dimming Ballast  
 EM = Emergency Battery Backup  
 EM/NON = Non-Hazardous Emergency  
 Battery Backup  
 F = Single Fuse  
 DF = Double Fuse  
 L = Lamps  
 LC = Coated Lamps  
 WO = White Optic Reflector  
 HNG = Hinged Lens Frame  
 Z = Cold Storage (-30°C/-22°F  
 Minimum Starting Temp.)

<sup>1</sup>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.

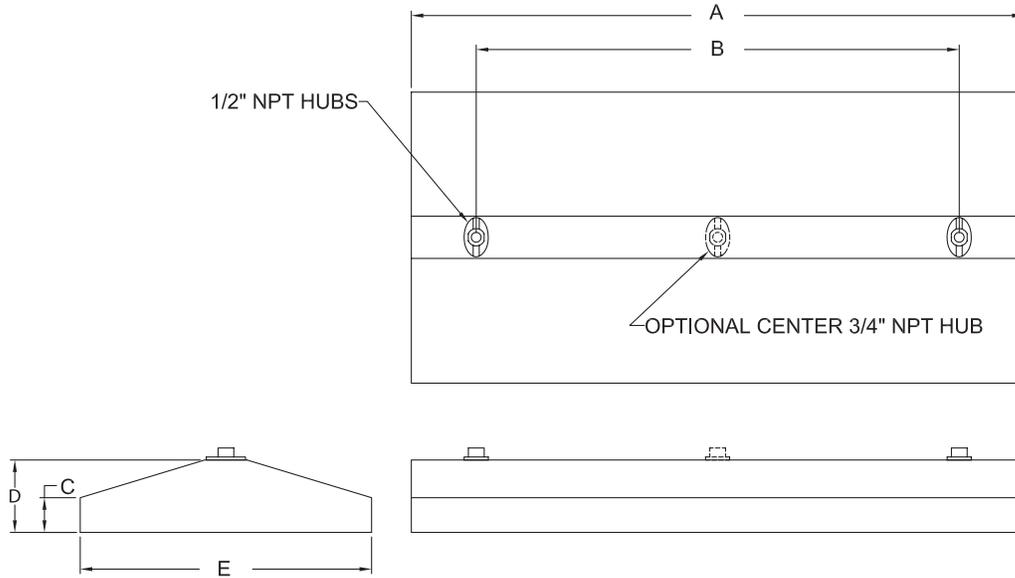
### Certification Guide

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
WFH 265 4 & 6 LAMPS	T5 (100°C/212°F)	T3C (160°C/320°F)	55°C (131°F)
WFH T5HO 4 & 6 LAMPS	T5 (100°C/212°F)	T3C (160°C/320°F)	55°C (131°F)

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### Fixture Dimensions (inches)



WFH Series	Dimensions (inches)					Hub Size	Boxed Weight	Shipping Volume (Boxed Fixtures)
	A	B	C	D	E			
Up to 6 lamp	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.

#### YFit Cable with 2 ft. Legs



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

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### Coefficients of Utilization

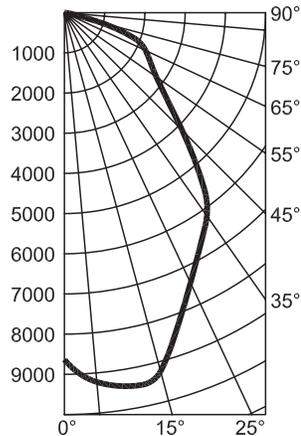
#### WFHT5HO-24-6-U

% 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	.96	.96	.96	.90	.90	.90	.82	.82	.82
1	.85	.82	.80	.80	.78	.76	.74	.73	.71
2	.75	.70	.66	.71	.67	.64	.66	.63	.61
3	.67	.61	.56	.63	.59	.55	.59	.56	.53
4	.60	.53	.48	.57	.51	.47	.53	.49	.46
5	.54	.47	.42	.51	.46	.41	.48	.44	.40
6	.49	.42	.37	.47	.41	.37	.44	.40	.36
7	.44	.38	.33	.43	.37	.33	.40	.36	.32
8	.41	.34	.30	.39	.33	.29	.37	.33	.29
9	.38	.31	.27	.36	.31	.27	.34	.30	.26

#### Candlepower Distribution

Deg.	ParL.	22.5	45	67.5	Norm
0	8631	8631	8631	8631	8631
5	8614	8796	9019	9152	9225
15	8298	8988	9434	9307	9238
25	7680	8730	8387	7694	7419
35	6767	7574	6469	6280	6177
45	5539	5906	5144	4314	4139
55	4091	3967	3106	2924	2787
65	2505	2234	1853	2155	2224
75	961	817	1002	896	858
85	48	75	51	48	34
90	0	0	0	0	0

#### Photometric Data



**Note:**

All data provided for six 54W lamps.  
Lamps rated for 4450 lumens per lamp.



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