

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

## FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Choice of diffuse and prismatic lenses
- Flat lens provides even illumination and minimizes glare
- Row applications produce continuous light with minimal interruption between fixtures
- Variety of surface and suspended mounting accessories
- Made Right Here® in the USA



ORDERING EXAMPLE: 75L - 4 - P60/835 - DMA - OPTIONS - POE PR

## ORDERING INFO

SERIES	LENGTH <sup>[1]</sup>	LUMENS <sup>[2]</sup>	CRI	CCT	SHIELDING
75L	2 2'	2'	8 80	27 2700K	DMA Diffuse matte acrylic, .080" thick
	4 4'	P20 2,000lm	9 90 <sup>[4]</sup>	30 3000K	
	8 8' <sup>[3]</sup>	P28 2,800lm		35 3500K	AF12125 Frosted acrylic, pattern #12, .125" thick
		4'		40 4000K	
		P20 2,000lm		50 5000K	
		P29 2,900lm		TW Tunable white (3000K-5000K)	
		P60 6,000lm		TW2 Tunable white (2700K-6500K)	
		8'			
		P31 3,100lm			
		P60 6,000lm			
		P120 12,000lm			

## SPECIFICATIONS

- HOUSING – 22-gauge die-formed C.R.S.
- FINISH – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- SHIELDING – Diffuse matte acrylic, .080" thick.
- ELECTRICAL – High-quality mid-power LED boards. L70 >50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- MOUNTING – Surface (ceiling or wall) or suspended.
- LISTINGS –
  - cETLus conforms to UL STD 1598. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations
  - Complies with the Buy American Act and other federal regulations. Request certification at [hew.com/baa](http://hew.com/baa).
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

## OPTIONS <sup>[5]</sup>

- WG-75 11-gauge white powder coat wireguard
- 315 1-1/2" ceiling spacer
- VBV (2) Y-hangers
- VBV-2 (2) Y-hangers and (2) 2' chains
- RA-75 Row aligner <sup>[7]</sup>
- 45AMB (2) 45° adjustable mounting brackets <sup>[8]</sup>

## CONTROL <sup>[6]</sup>

- POE PR Power over Ethernet-ready

## AIRCRAFT CABLES (EXAMPLE: ACF/D48) <sup>[9]</sup>

Prefix	Type	Length
ACF/ Feeder	D 1" grid & hardpan	24 24"
ACJ/ Joiner	N 9/16" grid	48 48"
	S Slot grid	96 96"

## SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see [hew.com/poe](http://hew.com/poe)

## NOTES

- For actual length, see page 2 for FIXTURE DETAILS
- Lumen output based on 80 CRI, 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Ships with (2) 4' lenses.
- Extended lead times may apply. Consult factory for availability.
- See page 3 for FINISH OPTIONS. See page 3 for MOUNTING DETAILS.
- For additional PoE connection details, consult factory.
- Required when row mounting with aircraft cables.
- Low-voltage cord recommended, ships separately. See page 3 for MOUNTING DETAILS. Field-adjustable up and down in 7-1/2" increments.
- Must specify low-voltage cord. See page 3 for MOUNTING DETAILS. Requires RA-75 row aligner. See page 3 for MOUNTING ACCESSORIES DETAILS.



## FIXTURE PERFORMANCE DATA

### STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P20	2007	16	125
	P28	2845	24	119
4'	P20	2031	16	127
	P29	2900	25	116
	P60	6041	50	121
8'	P31	3122	25	125
	P60	6022	49	123
	P120 <sup>1</sup>	12081	100	121

### TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P20	2038	18.2	112
	P28	2825	26.6	106
4'	P20	2001	16.7	120
	P29	2939	25.6	115
	P60	6022	50	120
8'	P31	3148	26	121
	P60	6024	50.2	120
	P120 <sup>1</sup>	12044	100	120

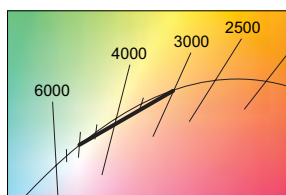
### MULTIPLIER TABLES

COLOR TEMPERATURE				
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	—	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	—	—	1.01

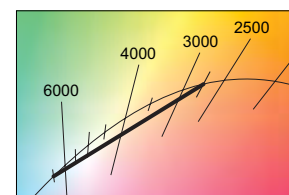
90 CRI	2700K	0.80	—	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	—	—	1.02

SHIELDING	
LENS	CONVERSION FACTOR
DMA	1.00
AF12125	1.15

### TW



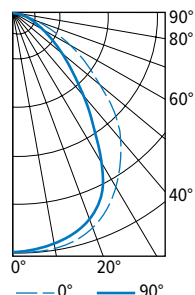
### TW2



- <sup>1</sup> Fixture contains two nodes, one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
  - Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
  - Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
  - Use multiplier tables to calculate additional options.

## PHOTOMETRY

75L-4-P60/835-DMA Total Luminaire Output: 6041 lumens; 50 Watts | Efficacy: 121 lm/W | 80 CRI; 3500K CCT

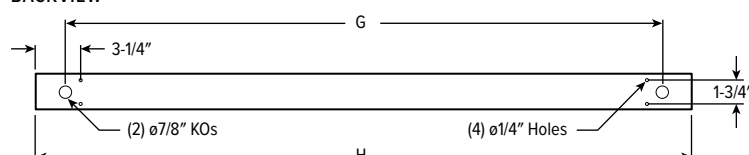


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2651	2651	2651	
5	2700	2639	2587	250
15	2585	2506	2432	704
25	2348	2238	2118	1026
35	1995	1870	1671	1157
45	1597	1421	1174	1084
55	1123	966	789	866
65	700	591	458	585
75	342	275	207	296
85	82	61	43	73
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1981	33
	0 - 40	3137	52
	0 - 60	5087	84
	0 - 90	6041	100
	0 - 180	6041	100

## FIXTURE DETAILS

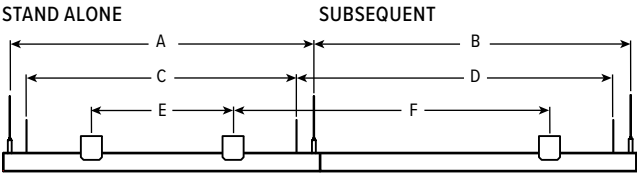
### BACKVIEW



	7/8" KOs (G)	ACTUAL FIXTURE LENGTH (H)
2'	18-3/8"	22-1/2"
4'	40-1/2"	44-5/8"
8'	85-1/8"	89-1/4"



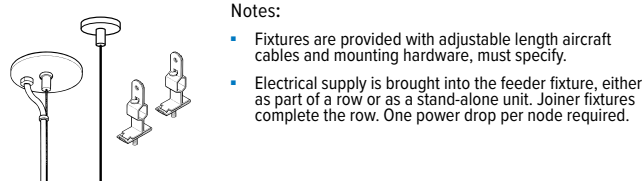
MOUNTING DETAILS



MOUNTING LENGTH

	AIRCRAFT CABLE		VBY HANGER		315 SPACER	
	A	B	C	D	E	F
2'	21-1/2"	22-1/2"	19"	22-1/2"	10"	22-1/2"
4'	43-5/8"	44-5/8"	41-1/4"	44-5/8"	32"	44-5/8"
8'	88-3/16"	89-1/4"	85"	89-1/4"	77"	89-1/4"

STANDARD HARDWARE FOR SUSPENDED PRODUCT

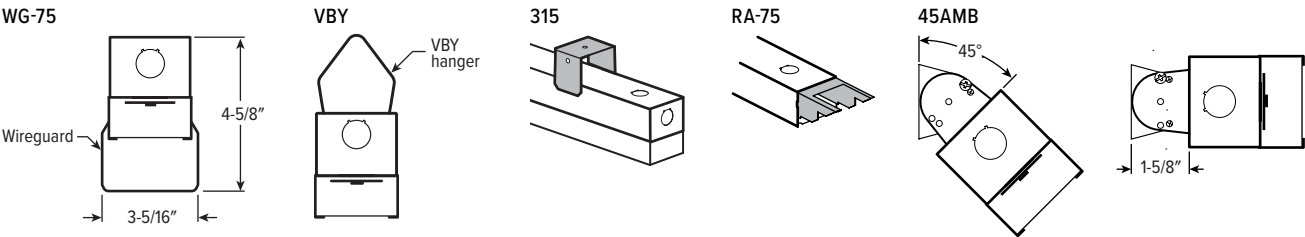


LOW-VOLTAGE CORD OPTIONS

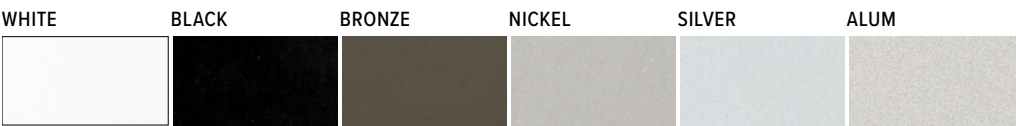
Must specify low-voltage cord when cable mounting.

ORDERING EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P	24 24"	/W White
	48 48"	/B Black
	96 96"	

MOUNTING ACCESSORIES DETAILS



FINISH OPTIONS



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.