

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

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

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

**FEATURES**

- Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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

**SYSTEM REQUIREMENTS**

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See [hew.com/poe](http://hew.com/poe) for details

**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
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

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

**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>[3]</sup>	30 3000K	
	8 8'	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 (80 CRI, 3000K-5000K)	
		L60 6,000lm			
		8'			
		L31 3,100lm			
		L60 6,000lm			
	L120 12,000lm				

**OPTIONS <sup>[4]</sup>**

- EM/CP12** Remote mount 12-watt Iota emergency battery <sup>[6]</sup>
- WG-75** 11-gauge white powder coat wireguard
- 315** 1-1/2" ceiling spacer
- VBY** (2) Y-hangers
- VBY-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>[5]</sup>**

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node

**MOUNTING (EXAMPLE: AC/D48) <sup>[9]</sup>**

Prefix	Type	Length
AC/	D 1" grid & hardpan	24 24"
	N 9/16" grid	48 48"
	S Slot grid	96 96"

**NOTES**

- For actual length, see page 3 for FIXTURE DETAILS
- Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- See page 3 for FINISH OPTIONS. See page 2 for MOUNTING DETAILS. See [hew.com/poe](http://hew.com/poe) for compatible sensors and switches.
- Node requires remote mounting. See page 3 for REMOTE MOUNT DETAILS. For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- Requires one additional category cable run to switch. See page 3 for REMOTE MOUNT DETAILS.
- Required when row mounting with aircraft cables
- Power supply cable recommended, ordered separately. See page 2 for MOUNTING DETAILS. Field-adjustable up and down in 7-1/2" increments.
- Required with suspended mount fixtures. Units specified with aircraft cable require power supply cable. See page 2 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	125.4
	P28	2845	24	118.5
4'	P20	2031	16	126.9
	P29	2900	25	116
8'	P60	6041	50	120.8
	P31	3122	25	124.9
	P60	6022	49	122.9
	P120 <sup>1</sup>	12081	100	120.8

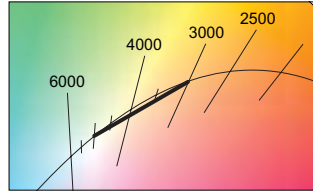
### TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P20	2038	18.2	111.7
	P28	2825	26.6	106.3
4'	P20	2001	16.7	119.5
	P29	2939	25.6	115
8'	P60	6022	50	120.4
	P31	3148	26	121.3
	P60	6024	50.2	120.1
	P120 <sup>1</sup>	12044	100	120.4

### MULTIPLIER TABLE

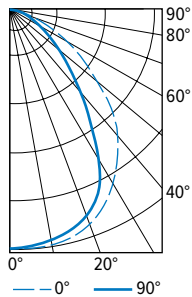
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-

- <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 table to calculate additional options.



## PHOTOMETRY

75L-4-P60/835-DMA Total Luminaire Output: 6041 lumens; 50 Watts | Efficacy: 121 lm/W | 82.3 CRI; 3500K CCT

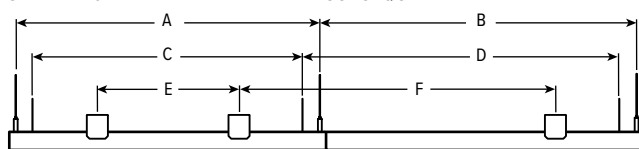


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2651	2651	2651	
5	2700	2639	2587	250
15	2585	2506	2432	704
25	2348	2238	2118	1026
35	1995	1870	1671	1157
45	1597	1421	1174	1084
55	1123	966	789	866
65	700	591	458	585
75	342	275	207	296
85	82	61	43	73
90	0	0	0	

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

## MOUNTING DETAILS

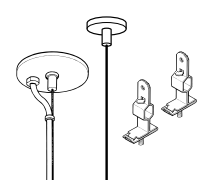
### STAND ALONE



### 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



#### Notes:

- Power feed locations are 2" from end (downlight) or at end of fixture (uplight).
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row. One power drop per node required.

### POWER SUPPLY CABLE FOR SUSPENDED PRODUCT

Required for aircraft cable mounted fixtures. Please specify cord type using ordering information below.

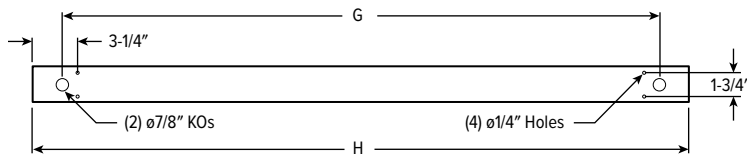
EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P	24 24"	/W White /B Black
	48 48"	
	96 96"	



# 75L PoE | tunable WHITE Flat Lens Strip

## FIXTURE DETAILS

### BACKVIEW



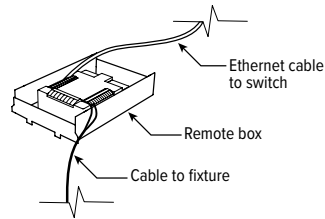
7/8" KOs (G)	ACTUAL FIXTURE LENGTH (H)	
2'	18-3/8"	22-1/2"
4'	40-1/2"	44-5/8"
8'	85-1/8"	89-1/4"

## REMOTE MOUNT DETAILS

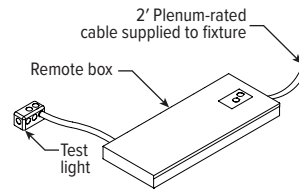
Includes 2' plenum-rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

### NODE

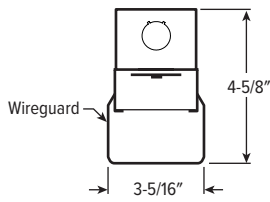


### NODE AND EM OPTION

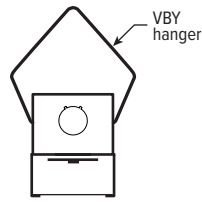


## MOUNTING ACCESSORIES DETAILS

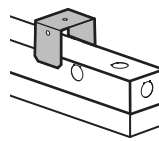
### WG-75



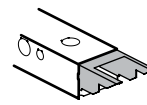
### VBY



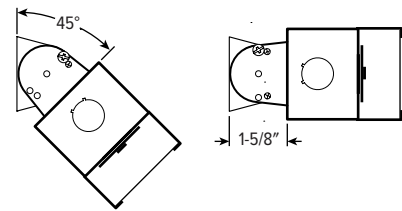
### 315



### RA-75



### 45AMB



## FINISH OPTIONS

### WHITE

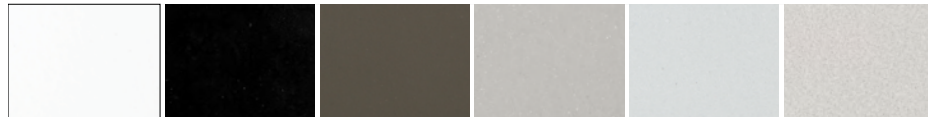
### BLACK

### BRONZE

### NICKEL

### SILVER

### ALUMINUM



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.

