

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

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

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

**FEATURES**



- Deliver scalable, data-driven smart buildings with Platformatics 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
- Round and square lensed fixtures provide a clean look for architectural environments
- Row applications produce continuous light with minimal interruption between fixtures
- Diffuse acrylic lens on 75R and 75S enhances uniformity and minimizes glare
- Variety of mounting accessories for surface and suspended applications
- Special reflectors are available to provide precise light distribution (75 only)
- Made Right Here® in the USA

**ORDERING EXAMPLE: 75 - 4 - P72/835 - OPTIONS - POE PR**

**ORDERING INFO**

SERIES	LENGTH <sup>[1]</sup>	LUMENS <sup>[2]</sup>	CRI	CCT	OPTIONS <sup>[3]</sup>
75	2 2'	2'	8 80	27 2700K	<b>WG-75</b> 11-gauge white powder coat wireguard
75R	4 4'	P23 2,300lm	9 90 <sup>[5]</sup>	30 3000K	<b>315</b> 1-1/2" ceiling spacer
75S	8 8' <sup>[4]</sup>	P34 3,400lm		35 3500K	<b>VBY</b> (2) Y-hangers
		4'		40 4000K	<b>VBY-2</b> (2) Y-hangers and (2) 2' chains
		P34 3,400lm		50 5000K	<b>RA-75</b> Row aligner <sup>[6]</sup>
		P72 7,200lm		<b>TW</b> Tunable white (3000K-5000K)	<b>45AMB</b> (2) 45° adjustable mounting brackets <sup>[7]</sup>
		8'		<b>TW2</b> Tunable white (2700K-6500K)	
		P73 7,300lm			
		P145 14,500lm			

**AIRCRAFT CABLES (EXAMPLE: ACF/D48) <sup>[8]</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"

**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.
- 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 (hanging hardware required).
- 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).

**CONTROL <sup>[9]</sup>**

**POE PR** Power over Ethernet, Platformatics-ready

**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/platformatics](http://hew.com/platformatics)
- Consult factory for design support



**NOTES**

- <sup>1</sup> For actual length, see page 4 for FIXTURE DETAILS.
- <sup>2</sup> Lumens based on 80 CRI, 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- <sup>3</sup> See page 4 for FINISH OPTIONS. See page 4 for MOUNTING DETAILS. See page 5 for SPECIAL REFLECTORS.
- <sup>4</sup> 75R and 75S ships with (2) 4' lenses.
- <sup>5</sup> Extended lead times may apply. Consult factory for availability.
- <sup>6</sup> Required when row mounting with aircraft cables.
- <sup>7</sup> Low-voltage cord recommended, ships separately. See page 4 for MOUNTING DETAILS. Field-adjustable up and down in 7-1/2° increments.
- <sup>8</sup> Must specify low-voltage cord. See page 4 for MOUNTING DETAILS. Requires RA-75 row aligner. See page 4 for MOUNTING ACCESSORIES DETAILS.
- <sup>9</sup> See page 5 for NODE CONNECTION DETAILS. For additional PoE info, see [hew.com/platformatics](http://hew.com/platformatics).



## FIXTURE PERFORMANCE DATA

### 75 STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2273	16.0	142
	P34	3427	25.0	137
4'	P34	3438	24.0	143
	P72	7217	50.0	144
8'	P73	7306	50.0	146
	P145 <sup>1</sup>	14553	100.0	146

### 75 TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2344	17.3	135
	P34	3404	26.6	128
4'	P34	3424	24.6	139
	P72	7255	50.1	145
8'	P73	7316	50.7	144
	P145 <sup>1</sup>	14511	100.1	145

### 75R/75S STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2136	16	134
	P34	3222	24	134
4'	P34	3232	24	135
	P72	6784	49	138
8'	P73	6867	49	140
	P145 <sup>1</sup>	13680	100	137

### 75R/75S TUNABLE WHITE

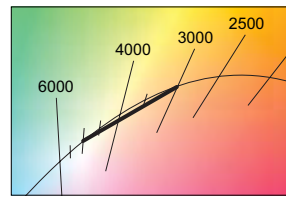
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P23	2203	16	138
	P34	3200	24	133
4'	P34	3219	24	134
	P72	6820	48	142
8'	P73	6877	49	140
	P145 <sup>1</sup>	13640	100	136

- <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.

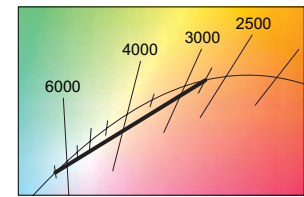
### MULTIPLIER TABLES

	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

### TW

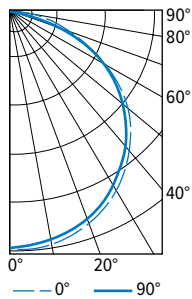


### TW2



## PHOTOMETRY

75-4-P72/840 Total Luminaire Output: 7217 lumens; 50.0 Watts | Efficacy: 144 lm/W | 80 CRI; 3500K CCT



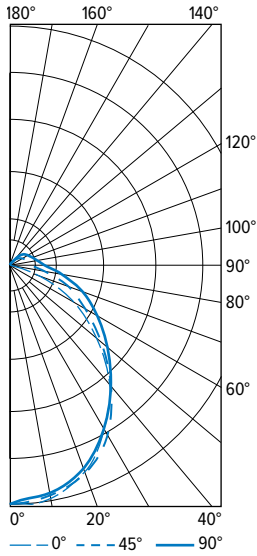
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2450	2450	2450	
5	2468	2443	2433	233
15	2400	2368	2362	670
25	2253	2220	2208	1026
35	2044	2002	1978	1255
45	1748	1697	1684	1314
55	1383	1337	1320	1197
65	951	905	887	906
75	492	460	449	492
85	88	98	85	122
90	8	12	8	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1929	27
	0 - 40	3184	44
	0 - 60	5694	79
	0 - 90	7214	100
	0 - 180	7217	100



# 75 PoE | tunable WHITE Narrow Strip

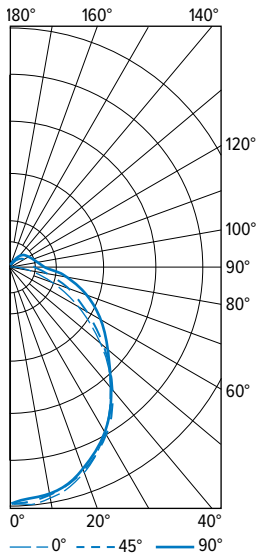
75R-4-P72/835 Total Luminaire Output: 6784 lumens; 49.0 Watts | Efficacy: 138 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2173	2173	2173	
5	2197	2166	2139	206
15	2097	2092	2077	589
25	1890	1932	1947	888
35	1604	1710	1768	1059
45	1240	1401	1528	1073
55	840	1086	1247	951
65	520	789	936	746
75	224	528	649	514
85	53	336	420	317
90	7	260	341	
95	1	208	276	189
105	0	125	184	114
115	0	79	124	69
125	0	45	85	39
135	0	24	53	20
145	0	10	29	8
155	0	5	13	3
165	0	0	3	0
175	0	0	0	0
180	0	0	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1682	25
	0 - 40	2741	40
	0 - 60	4765	70
	0 - 90	6342	94
	90 - 120	371	6
	90 - 150	439	7
	90 - 180	442	7
	0 - 180	6784	100

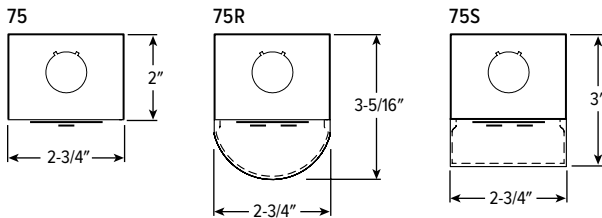
75S-4-P72/835 Total Luminaire Output: 6784 lumens; 49.0 Watts | Efficacy: 138.0 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2289	2289	2289	
5	2309	2279	2246	216
15	2206	2187	2160	615
25	1970	1979	1946	907
35	1650	1684	1647	1044
45	1270	1301	1326	1013
55	882	972	1082	880
65	518	704	856	692
75	226	454	624	471
85	39	270	411	278
90	0	206	326	
95	0	193	288	187
105	0	168	244	155
115	0	143	214	125
125	0	116	181	92
135	0	81	139	60
145	0	49	94	32
155	0	30	53	13
165	0	15	26	4
175	0	0	0	0
180	0	0	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1738	26
	0 - 40	2782	41
	0 - 60	4675	69
	0 - 90	6116	90
	90 - 120	467	7
	90 - 150	651	10
	90 - 180	668	10
	0 - 180	6784	100

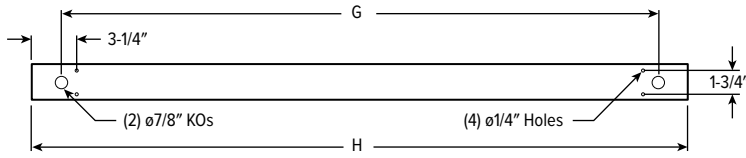
## CROSS SECTIONS



# 75 PoE | tunable **WHITE** Narrow Strip

## FIXTURE DETAILS

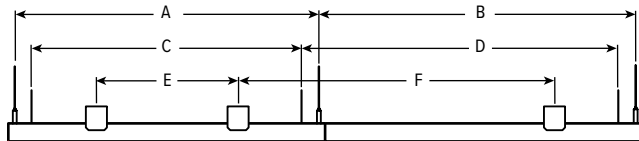
### BACKVIEW



	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"

## MOUNTING DETAILS

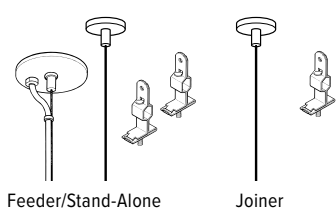
### STAND ALONE



### 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 (Grid and Hardpan)



#### Notes:

- 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.

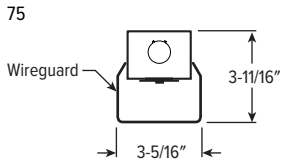
### LOW-VOLTAGE CORD OPTIONS

Must specify low-voltage cord when cable mounting.

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

## MOUNTING ACCESSORIES DETAILS

### WG-75



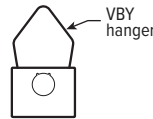
### 75R



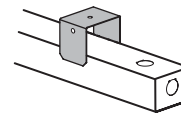
### 75S



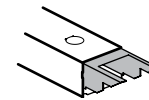
### VBY



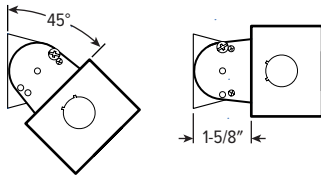
### 315



### RA-75

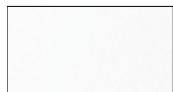


### 45AMB



## FINISH OPTIONS

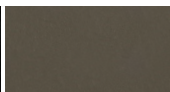
### WHITE



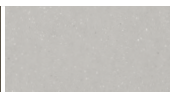
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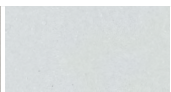
### BRONZE



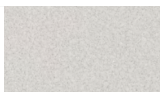
### NICKEL



### SILVER



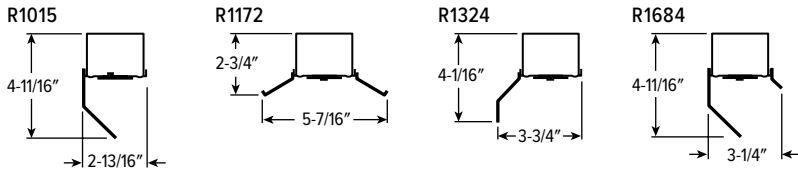
### ALUM



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.



**SPECIAL REFLECTORS**



Reflectors are ordered separately, only available with 75, cannot be used with wireguard accessories.  
Example: R1172-4-75LED REFL

**NODE CONNECTION DETAILS**

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: [platformatics.com/product/poe-ln2](http://platformatics.com/product/poe-ln2)

