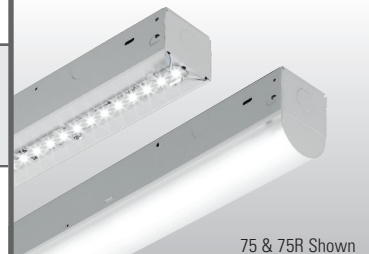


# NARROW LED STRIP

# 75

tunable **WHITE** | PoE



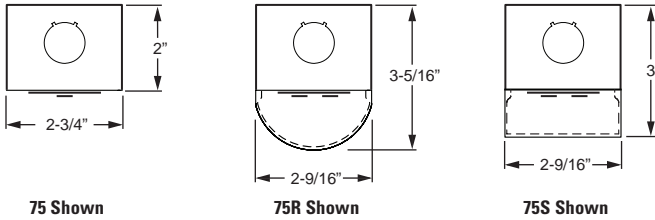
75 & 75R Shown

CATALOG #:	TYPE:
PROJECT:	NOTES:

**EXAMPLE** **75 - 4 - P72/835 - OPTIONS - POEN**

**SERIES**    **NOMINAL LENGTH**    **LUMEN PACKAGE**    **CRI & CCT**    **OPTIONS/ACCESSORIES**    **CONTROL**

## CROSS SECTION



## ORDERING INFORMATION

### SERIES

- 75** Narrow LED Strip – PoE
- 75R** Round Lens LED Strip – PoE
- 75S** Square Lens LED Strip – PoE

### NOMINAL LENGTH

- 2** 2' (Actual length 22-1/2")
- 4** 4' (Actual length 44-5/8")
- 8** 8' (Actual length 89-1/4")

### LED PACKAGE

EXAMPLE: P72/840		WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	
2'		
P23	2,300	16
P34	3,400	25
4'		
P34	3,400	24
P72	7,200	50
8'		
P73	7,300	50
P145	14,500	100

Nominal lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see fixture performance data.

### CRI & CCT

- 830** 82 CRI, 3000K
- 835** 82 CRI, 3500K
- 840** 82 CRI, 4000K
- BTW** Tunable white (80 CRI, 3000K–5000K)

### OPTIONS

- Suspended fixtures require power supply cable, see page 4.
- EM/CP12** Remote mount 12-watt lota emergency LED battery (requires one additional category cable run to switch, see page 4 for details.)

### ACCESSORIES (ordered separately)

- See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches
- See page 4 for special reflectors, ordered separately.
- Aircraft cable accessories available, see page 4.
- See page 3 for accessories details.

- 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 (required when mounting with aircraft cables)

### CONTROL

- For additional PoE info, see [hew.com/poe](http://hew.com/poe)
- Node requires remote mounting, see page 4 for details.
- POEN** Power over Ethernet network node
- POED** Power over Ethernet device node (not available for fixtures over 40W)

## 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.
- ▶ Efficacies up to 145 lm/W.
- ▶ 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).
- ▶ This fixture is proudly made 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.

**Electrical** – High quality mid-power LED board. L70 > 60,000 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 or suspended.

**Labels** – cCSAus certified as luminaire suitable for dry or damp locations.

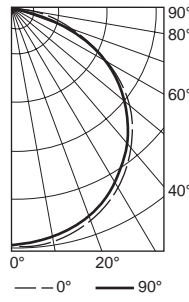
**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

### PHOTOMETRY

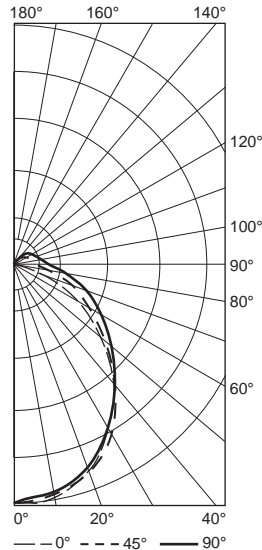
**75-4-P72/840** Total Luminaire Output: 7217 lumens; 50.0 Watts  
 Efficacy: 144 lm/W | 83.6 CRI; 4053K CCT | IES Spacing Criteria: End: 1.3, Across: 1.3



CANDLEPOWER DISTRIBUTION	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

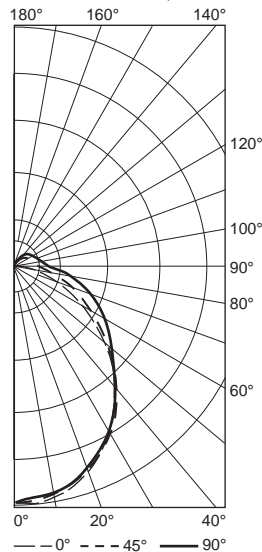
**75R-4-P72/835** Total Luminaire Output: 6784 lumens; 49.0 Watts  
 Efficacy: 138 lm/W | 84.5 CRI; 4000K CCT | IES Spacing Criteria: End: 1.2, Across: 1.3, Diagonal: 1.3



CANDLEPOWER DISTRIBUTION	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	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	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 | 84.6 CRI; 4000K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	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	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	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



## FIXTURE PERFORMANCE DATA

75

### STANDARD

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
P23	2273	16.0	142.1
P34	3427	25.0	137.1
4'			
P34	3438	24.0	143.2
P72	7217	50.0	144.3
8'			
P73	7306	50.0	146.1
P145 <sup>1</sup>	14553	100.0	145.5

### TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
P23	2344	17.3	135.6
P34	3404	26.6	128.1
4'			
P34	3424	24.6	139.1
P72	7255	50.1	144.9
8'			
P73	7316	50.7	144.3
P145 <sup>1</sup>	14511	100.1	144.9

75R/75S

### STANDARD

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
P23	2136	16.0	133.5
P34	3222	24.0	134.2
4'			
P34	3232	24.0	134.6
P72	6784	49.0	138.5
8'			
P73	6867	49.0	140.2
P145 <sup>1</sup>	13680	100.0	136.8

### TUNABLE WHITE

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
P23	2203	16.0	137.7
P34	3200	24.0	133.3
4'			
P34	3219	24.0	134.1
P72	6820	48.0	142.1
8'			
P73	6877	49.0	140.3
P145 <sup>1</sup>	13640	100.0	136.4

<sup>1</sup> Fixture contains two nodes, one power drop per node required.

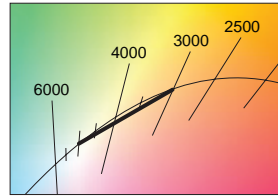
## MULTIPLIER TABLES

### STANDARD

CCT	CONVERSION FACTOR
3000K	0.99
3500K	1.00
4000K	1.03

### TUNABLE WHITE

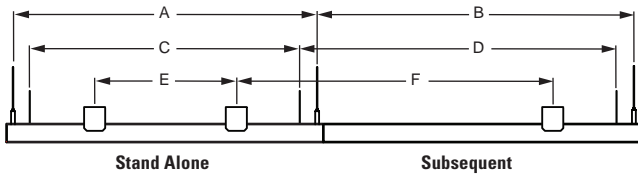
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96



- 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.

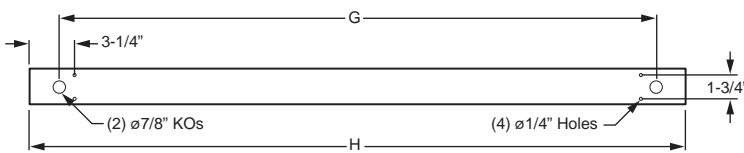
## FIXTURE DETAILS

### MOUNTING INFORMATION



	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"

### BACK VIEW



	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"



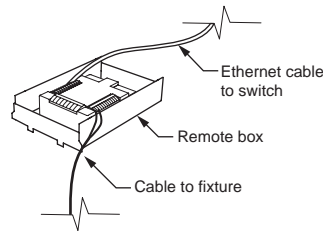
### REMOTE MOUNT DETAILS

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

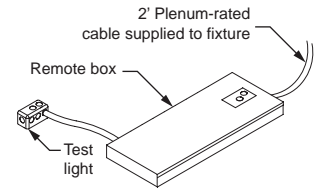
- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See [Technical Info](#) for dimension details.

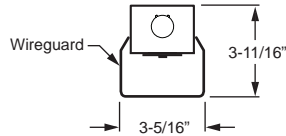
#### NODE



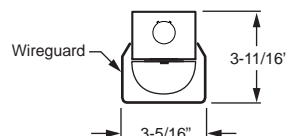
#### NODE AND EM OPTION



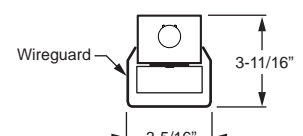
### ACCESSORIES DETAILS



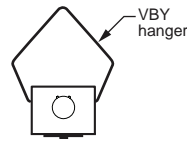
**WG-75**  
Wireguard shown with 75



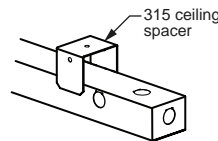
**WG-75**  
Wireguard shown with 75R



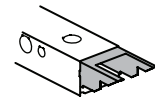
**WG-75**  
Wireguard shown with 75S



**VBY**  
Y-hanger  
shown installed



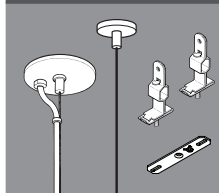
**315**  
Ceiling spacer  
shown installed



**RA-75**  
Row aligner  
shown installed

### AIRCRAFT CABLES (requires RA75 row aligner)

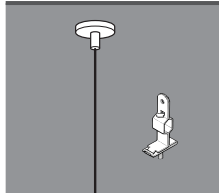
#### FEEDER FIXTURE – ø1/16" AIRCRAFT CABLE



EXAMPLE: ACF/D48		
MOUNTING	TYPE	LENGTH
ACF/ = Aircraft	D = 1' grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"

Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.

#### JOINER FIXTURE – ø1/16" AIRCRAFT CABLE



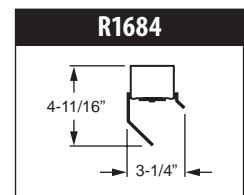
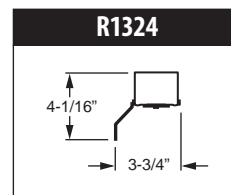
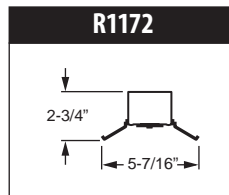
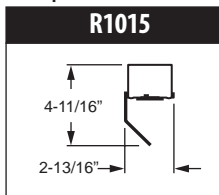
EXAMPLE: ACJ/D48		
MOUNTING	TYPE	LENGTH
ACJ/ = Aircraft	D = 1' grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"

Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.

**NOTE:** Electrical supply is brought into the feeder (or stand-alone) fixture, either as part of a row or as an individual mount unit. Joiner fixtures complete the row.

### SPECIAL REFLECTORS (ordered separately, only available with 75; cannot be used with wireguard accessories)

Example: R1172-4-75LED REFL



#### POWER SUPPLY CABLE

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

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