

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

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

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



## FEATURES

- Ideal for data centers, commercial offices, schools and industrial spaces
- Wide lens shape provides 13% uplight to illuminate dark ceilings
- High ambient option for extreme environments
- HE option delivers superior efficacies up to 182 lm/W
- Row applications produce continuous light with minimal interruption
- Diffuse acrylic lens enhances uniformity and minimizes glare
- Variety of mounting accessories for surface and suspended applications
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Six standard finish options and a wide selection of custom colors complement the architectural elements of any space
- 2', 3', 4', and 8' lengths available
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING – 22-gauge die-formed C.R.S.
- SHIELDING – Diffuse acrylic lens.
- 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 > 72,000 hours per IES TM-21. L80 > 102,000 hours with HE option. 25°C maximum ambient operating temperature. 50°C max with HA50 Option. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shades 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
  - UL 924 available, see Options.
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at [hew.com/buy-american](http://hew.com/buy-american)
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: 75W - 4 - L85/835 - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT
75W	2 22-1/2"	2'	8 80	27 2700K
	3 33-9/16"	L15 1,500lm	9 90	30 3000K
	4 44-5/8"	L25 2,500lm		35 3500K
	8 89-1/4" <sup>[2]</sup>	L64 6,400lm		40 4000K
		Single CCT only		50 5000K
		L32 3,200lm		TW Tunable white (3000K-5000K)
		L42 4,200lm		TW2 Tunable white (2700K-6500K)
			Single CCT only	
			L65 6,500lm	
			L85 8,500lm	
			L100 10,000lm	
			L130 13,000lm	
			L170 17,000lm	
			L200 20,000lm	

## OPTIONS <sup>[3]</sup>

See page 4 for **FINISH OPTIONS**.

EM/10WLP	Low-profile 10-watt emergency battery <sup>[4]</sup>
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
HE	High efficacy lumen package <sup>[5]</sup>
HA	High ambient operating temperature, 40°C <sup>[6]</sup>
HA50	High ambient operating temperature, 50°C <sup>[7]</sup>
315	1-1/2" ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2' chains
RA-75	Row aligner <sup>[8]</sup>

(L__)	Additional lower lumen packages available <sup>[9]</sup> Example: 7,000 nominal lumens = 75W-4-L85/835-(L70)
QC__	Quick-connect wiring harness <sup>[10]</sup>
GEN	Approved for UL 924 emergency generator circuit through-feed wiring <sup>[11]</sup>
SP1	10kV surge protection, 120 or 277V
SP2	10kV surge protection, 208 or 240V
SP3	10kV surge protection, 347V

## AIRCRAFT CABLES (EXAMPLE: ACF/D48) <sup>[12]</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"

## CONTROL

Click [HERE](#) for linear control and sensor options.

Click [HERE](#) for industrial control and sensor options.

– None

## DRIVER

See page 4 for **ADDITIONAL DRIVER OPTIONS**.

DIM	Driver with external 0-10V dimming wires
DIM1	1% Driver with external 0-10V dimming wires
DRV	Driver without external dimming wires

## VOLTAGE

120	120V
208	208V
240	240V
277	277V
UNV	120-277V
347	347V <sup>[13]</sup>

## NOTES

- <sup>1</sup> Lumen output based on 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
- <sup>2</sup> Ships with (2) 4' lenses.
- <sup>3</sup> Remote EM batteries: max remote distance 50', including suspension length. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for REMOTE MOUNT BATTERY DETAILS.
- <sup>4</sup> Not available with 2' fixtures.
- <sup>5</sup> Not available with 90 CRI, 3' Length, 2' L15, 4' L30, or 8' L60 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.

- <sup>6</sup> Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.
- <sup>7</sup> Lumen restrictions apply: L32 max for 2', L40 max for 3', L65 max for 4', L130 max for 8'. Not available with EM batteries.
- <sup>8</sup> Required when row mounting with aircraft cables.
- <sup>9</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>10</sup> See page 3 for QUICK-CONNECT OPTIONS.
- <sup>11</sup> Maximum mounting height is 15.4' (4.7 m). Minimum lumen output is 400 lm/ft. See [hew.com/UL924](http://hew.com/UL924) for details.
- <sup>12</sup> Units specified with aircraft cable require cord and RA-75 row aligner. See page 3 for MOUNTING ACCESSORY DETAILS.
- <sup>13</sup> Not available with EM batteries.



# 75W LED

## Wide Lens Narrow Strip

### FIXTURE PERFORMANCE DATA

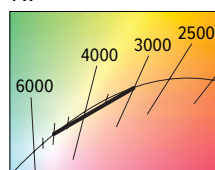
	LED PACKAGE	DELIVERED LUMENS	STANDARD		HE OPTION <sup>[1]</sup>		AMBIENT TEMPERATURE (°C)		
			WATTAGE	EFFICACY (lm/W)	WATTAGE	EFFICACY (lm/W)	HA OPTION		HA50 OPTION
							w/EM	NO EM	NO EM
2'	L15	1511	10.8	140	—	—	40	40	50
	L25	2470	18.2	136	14.8	167	40	40	50
	L32	2936	21.3	138	17.2	170	40	40	50
	L42	4124	31.4	132	23.0	180	35	40	—
3'	L40	3885	28.2	138	—	—	35	40	50
	L64	6259	48.2	130	—	—	30	35	—
	L30	2916	19.7	148	—	—	40	40	50
	L50	4867	33.0	148	26.7	182	40	40	50
4'	L65	5994	42.3	142	35.8	168	40	40	50
	L85	8098	56.2	144	47.6	170	35	40	—
	L100	9640	68.3	141	56.9	169	30	30	—
	L60	5520	35.3	157	—	—	40	40	50
8'	L100	9568	65.9	145	54.1	177	35	35	50
	L130	12353	87.9	141	70.8	175	35	35	50
	L170	16197	112.4	144	94.8	171	35	35	—
	L200	19281	136.5	141	113.9	169	30	30	—

### MULTIPLIER TABLE

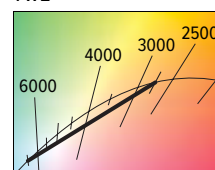
	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	—	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	—	—	1.01
90 CRI	2700K	0.80	—	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	—	—	1.02

- <sup>1</sup> Not available with 90 CRI.
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K for static white and 4000K for tunable white, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
  - To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
  - Use multiplier tables to calculate additional options.
  - POE PR fixture efficacy is typically 10-12% higher than shown at same lumen level. Consult factory during project design phase for details

TW

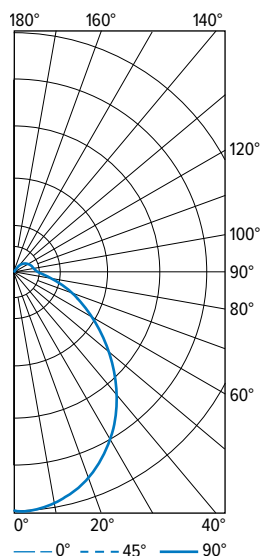


TW2



### PHOTOMETRY

75W-4-L85/835 Total Luminaire Output: 8098 lumens; 56.2 Watts | Efficacy: 144 lm/W | 80 CRI; 3500K CCT

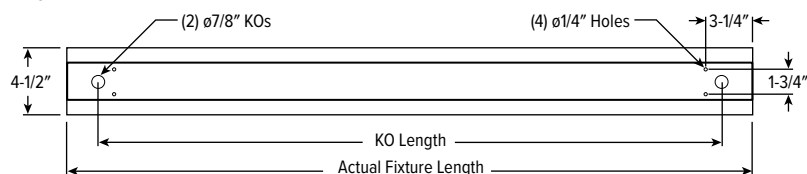


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2621	2621	2621	
5	2593	2605	2623	247
15	2478	2487	2506	701
25	2241	2259	2280	1039
35	1896	1932	1964	1205
45	1475	1540	1598	1187
55	1046	1143	1235	1024
65	658	800	918	788
75	334	520	661	541
85	96	321	469	334
90	7	253	393	
95	16	208	331	214
105	37	180	255	176
115	60	182	233	164
125	82	183	227	151
135	91	175	216	127
145	92	149	195	94
155	103	125	162	61
165	109	120	134	34
175	115	111	91	11
180	105	105	105	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1988	25
	0 - 40	3193	39
	0 - 60	5404	67
	0 - 90	7066	87
	90 - 120	554	7
	90 - 150	926	11
	90 - 180	1032	13
	0 - 180	8098	100

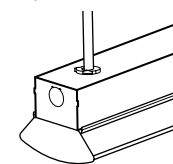
### FIXTURE DETAILS

#### BACKVIEW



	7/8" KOs	ACTUAL FIXTURE LENGTH
2'	18-3/8"	22-1/2"
3'	29-1/2"	33-9/16"
4'	40-1/2"	44-5/8"
8'	85-1/8"	89-1/4"

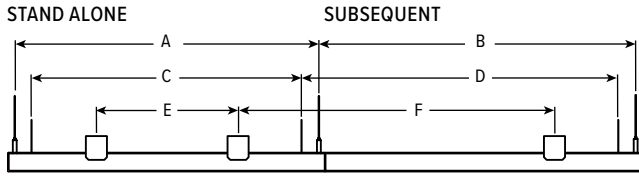
#### POWER ENTRY



# 75W LED

## Wide Lens Narrow Strip

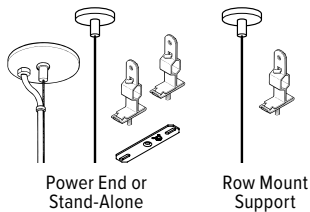
### MOUNTING ACCESSORY DETAILS



### 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"
3'	32-1/2"	33-9/16"	30-1/16"	33-9/16"	21"	33-9/16"
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:

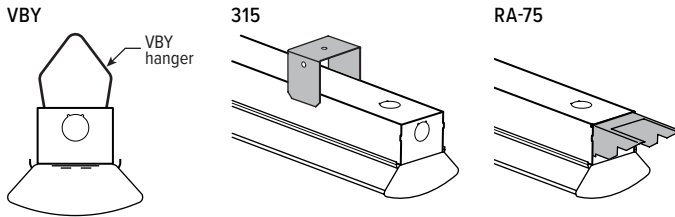
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.
- Cable kit provides 10/32 male thread for connection to fixture.

### CORD FOR SUSPENDED PRODUCT

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	24 24"	3	8D 18ga	/W White /B Black
	48 48"	4		
	96 96"	5 <sup>[1]</sup>		
		6 <sup>[1]</sup>		

<sup>1</sup> Includes (2) 22ga purple & pink dimming conductors



### REMOTE MOUNT BATTERY DETAILS

#### EM/10WRM/RTS



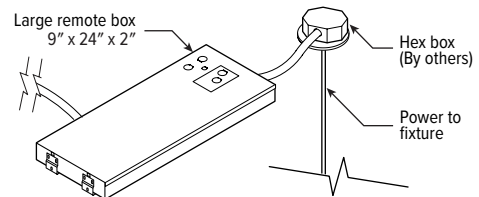
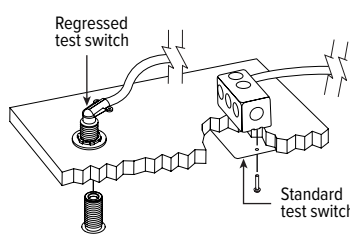
Regressed test switch  
ø1-3/4"

#### EM/10WRM



Standard test switch  
2-3/4" x 4-1/2"

Max remote distance is 50' including suspension length, connection by others.



### QUICK-CONNECT OPTIONS

Note: Quick-connect wiring required for row mounting. All QC harnesses contain (5) 16ga conductors plus ground.

DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)
QCBRW	3	Black, Red, White	On/off switching (DRV) or line voltage dimming when equipped with EM battery packs
QCBW/PK	4	Black, White, Purple, Pink	Single circuit with 0-10V low voltage dimming (DIM)
QCRW/PK	4	Red, White, Purple, Pink	Alternating circuits on/off switching with 0-10V low voltage dimming (DIM)
QCBRW/PK	5	Black, Red, White, Purple, Pink	On/off switching when equipped with EM battery packs and 0-10V dimming (DIM)
QCBW/RPK	5	Black, White, Red, Purple, Pink	On/off switching with 0-10v dimming and 0-10v tunable using shared common
QCUU	N/A	N/A	QC harness passes through fixture, but is not connected to it



# 75W LED

## Wide Lens Narrow Strip

### FINISH OPTIONS

WHITE



BLACK



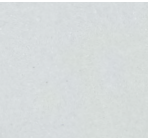
BRONZE



NICKEL



SILVER



ALUM



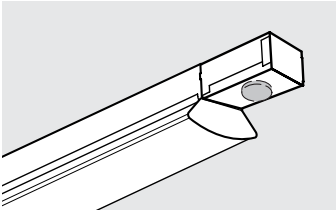
RAL# \_\_\_\_\_



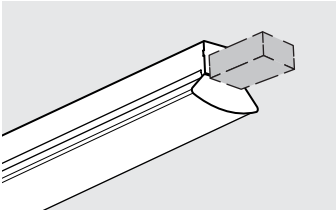
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

### SENSOR & NODE PLACEMENT DETAILS

Box Mount



Elbow Mount



### ADDITIONAL DRIVER OPTIONS

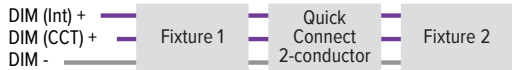
Note: Restrictions may apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder)

CATALOG NUMBER	DESCRIPTION
DRV <sup>[1]</sup>	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT)
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE <sup>[1]</sup>	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC <sup>[1]</sup>	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40 <sup>[1]</sup>	40% step-dimming driver
SD50 <sup>[1]</sup>	50% step-dimming driver
LDE1 <sup>[1]</sup>	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
PoE PR	Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver

<sup>1</sup> Single CCT only.

### TUNABLE WHITE DRIVER DETAILS

DIM



DMX



DALI



LD2

