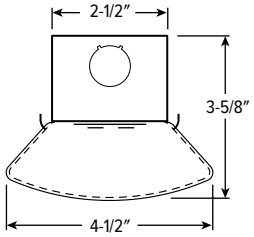
75W LED
Wide Lens Narrow Strip



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | UL 924 | TW

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 193 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
- Optional wireguard provides added protection
- 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
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: 75W - 4 - L30/835 - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH	LUMENS [1] 2′	3′	4′	8′	CRI	CCT
75W	**2** 22-1/2″	**L15** 1,500lm	**Single CCT only**	**L30** 3,000lm	**L60** 6,000lm	**8** 80	**27** 2700K
	3 33-9/16″	**L25** 2,500lm	**L40** 4,000lm	**L50** 5,000lm	**L100** 10,000lm	**9** 90	**30** 3000K
	4 44-5/8″	**Single CCT only**	**L64** 6,400lm	**Single CCT only**	**Single CCT only**		**35** 3500K
	8 89-1/4″ [2]	**L32** 3,200lm		**L65** 6,500lm	**L130** 13,000lm		**40** 4000K
		L42 4,200lm		**L85** 8,500lm	**L170** 17,000lm		**50** 5000K
		L60 6,000lm		**L100** 10,000lm	**L200** 20,000lm		**TW** Tunable white (3000K-5000K)
				L120 12,000lm	**L240** 24,000lm		**TW2** Tunable white (2700K-6500K)

OPTIONS [3]

*See page 4 for **FINISH OPTIONS**.*
*See page 4 for **QUICK-CONNECT OPTIONS**.*

EM/10WLP	Low-profile 10-watt emergency battery [4]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
EM/10W/ST	10-watt self-diagnostic emergency battery [5]
HE	High efficacy lumen package [6]
HA	High ambient operating temperature, 40°C [7]
HA50	High ambient operating temperature, 50°C [8]
315	1-1/2″ ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2′ chains
RA-75	Row aligner [9]
WG-75W	11-gauge white powder coat wireguard [10]
(L__)	Additional lower lumen packages available [11] Example: 7,000 nominal lumens = 75W-4-L85/835-**(L70)**
QC__	Quick-connect wiring harness [12]
GEN	Approved for UL 924 emergency generator circuit through-feed wiring [13]
SP1	10kV surge protection, 120 or 277V
SP2	10kV surge protection, 208 or 240V
SP3	10kV surge protection, 347V

AIRCRAFT CABLES (EXAMPLE: ACF/D48) [14]

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 [15]
DIM1 1% Driver with external 0-10V dimming wires [16]
DRV Driver without external dimming wires [17]

VOLTAGE

120 120V
208 208V
240 240V
277 277V
UNV 120-277V
347 347V [18]

NOTES

1. 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.
2. Ships with (2) 4′ lenses.
3. 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.
4. Not available with 2′ fixtures, 4′ L120 or 8′ L240 lumen packages.
5. Not available with 2′ fixtures, 4′ L120 or 8′ L240 lumen packages.
6. Not available with 90 CRI, 3′ Length, 2′ L15, 4′ L30, or 8′ L60 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.
7. Not available with 2′ L60, 4′ L120 and 8′ L240 lumen packages. Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.
8. Lumen restrictions apply: L32 max for 2′, L40 max for 3′, L65 max for 4′, L130 max for 8′. Not available with EM batteries.
9. Required when row mounting with aircraft cables.
10. Ships separately, field-installed.
11. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
12. See page 4 for QUICK-CONNECT OPTIONS.
13. Maximum mounting height is 15.4′ (4.7 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
14. Units specified with aircraft cable require cord and RA-75 row aligner. See page 3 for MOUNTING ACCESSORY DETAILS.
15. 0.1% Driver with tunable white.
16. Not available with tunable white.
17. Not available with tunable white.
18. Not available with EM batteries.

75W LED
Wide Lens Narrow Strip

FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD WATTAGE	STANDARD EFFICACY (lm/W)	HE OPTION [1] WATTAGE	HE OPTION [1] EFFICACY (lm/W)	AMBIENT TEMPERATURE (°C) HA OPTION w/EM	HA OPTION NO EM	HA50 OPTION NO EM
2'	L15	1509	10.7	141	–	–	40	40	50
	L25	2531	16.9	149	14.7	172	40	40	50
	L32	3337	22.6	148	17.3	193	40	40	50
	L42	4262	30.0	140	25.9	165	35	40	–
	L60	6093	42.5	143	35	174	–	–	–
3'	L40	4040	26.8	151	–	–	35	40	50
	L64	6541	46.0	142	–	–	30	35	–
4'	L30	3084	19.7	157	–	–	40	40	50
	L50	5062	33.4	152	27.4	185	40	40	50
	L65	6516	43.9	149	35.4	184	40	40	50
	L85	8524	60.6	141	48.2	177	35	40	–
	L100	10110	68.1	149	57.9	175	30	30	–
	L120	12041	82.9	145	70.4	171	–	–	–
8'	L60	5841	35.9	163	–	–	40	40	50
	L100	10124	67.1	151	53.7	189	35	35	50
	L130	13031	87.0	150	71.7	182	35	35	50
	L170	17047	121.1	141	95.1	179	35	35	–
	L200	20219	136.1	149	115.7	175	30	30	–
	L240	24082	165.7	145	140.8	171	–	–	–

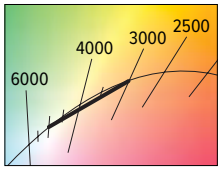
MULTIPLIER TABLE

	CCT	COLOR TEMPERATURE 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

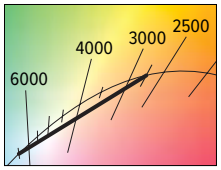
1 Not available with 90 CRI.

- 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.

TW

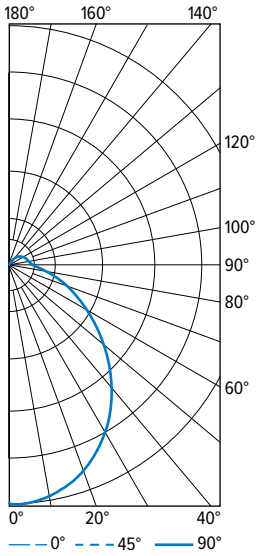


TW2



PHOTOMETRY

75W-4-L30/835 Total Luminaire Output: 3084 lumens; 19.7 Watts | Efficacy: 157 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION

VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	998	998	998	
5	987	992	999	94
15	944	947	954	267
25	854	860	868	396
35	722	736	748	459
45	562	587	609	452
55	398	435	471	390
65	250	304	350	300
75	127	198	252	206
85	36	122	179	127
90	3	96	150	
95	6	79	126	82
105	14	69	97	67
115	23	69	89	63
125	31	70	86	58
135	35	67	82	48
145	35	57	74	36
155	39	48	62	23
165	42	46	51	13
175	44	42	35	4
180	40	40	40	

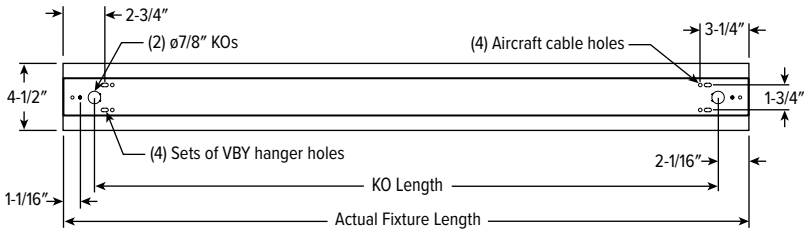
LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	757	25
0 - 40	1216	39
0 - 60	2058	67
0 - 90	2691	87
90 - 120	211	7
90 - 150	353	11
90 - 180	393	13
0 - 180	3084	100

75W LED
Wide Lens Narrow Strip

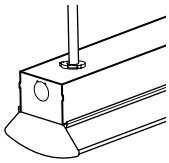
FIXTURE DETAILS

BACKVIEW



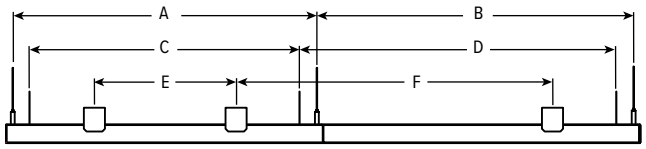
	7/8″ KOs	ACTUAL FIXTURE LENGTH
2′	18-3/8″	22-1/2″
3′	29-1/2″	33-9/16″
4′	40-1/2″	44-5/8″
8′	85-1/8″	89-1/4″

POWER ENTRY



MOUNTING ACCESSORY DETAILS

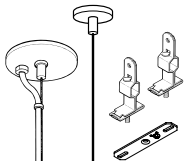
STAND ALONE / SUBSEQUENT



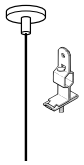
MOUNTING LENGTH

	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)



Power End or Stand-Alone



Row Mount Support

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.

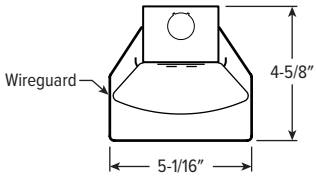
CORD FOR SUSPENDED PRODUCT

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.

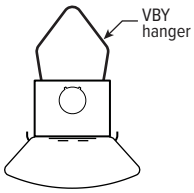
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	**24** 24″ **48** 48″ **96** 96″	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

[1] Includes (2) 22ga purple & pink dimming conductors

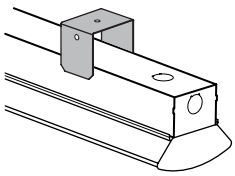
WG-75



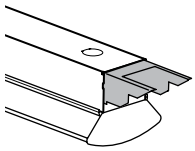
VBY



315

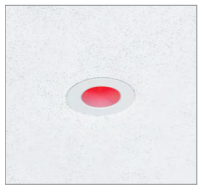


RA-75



REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

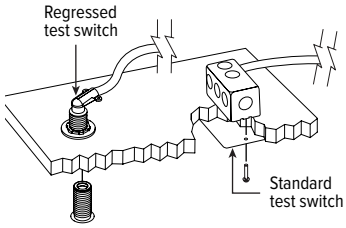


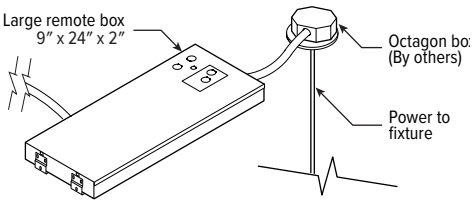
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

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





75W LED Wide Lens Narrow Strip

QUICK-CONNECT OPTIONS

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

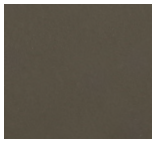
DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)
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

FINISH OPTIONS

WHITE

BLACK

BRONZE



NICKEL

SILVER

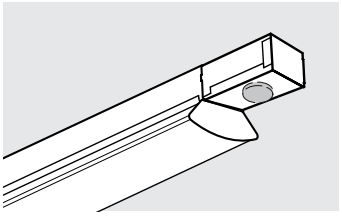
ALUM

RAL#____

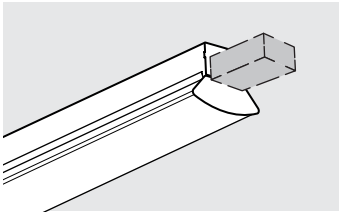
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

SENSOR & NODE PLACEMENT DETAILS

Box Mount



Elbow Mount



ADDITIONAL DRIVER OPTIONS

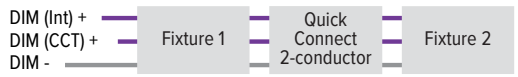
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	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 0.1% dimming and (1) 0-10V signal controls CCT)
DIM1 [1]	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	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 [1]	40% step-dimming driver
SD50 [1]	50% step-dimming driver
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
DCC	Remote UL Class 2 DC constant current supply, UL- or CSA-listed, by others

1 Single CCT only.

TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI

LD2