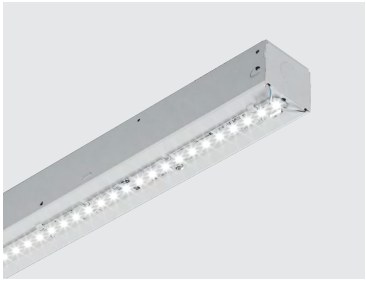
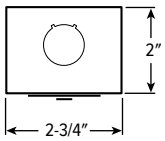
75 LED Narrow Strip





CATALOG #:

TYPE:

PROJECT:

FEATURES

- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Companion round and square lensed fixtures preserve continuity, see hew.com/75
- Row applications produce continuous light with minimal interruption between fixtures
- Variety of mounting accessories for surface and suspended applications
- Special reflectors are available to provide precise light distribution
- HE option delivers superior efficacies up to 192 lm/W
- Optional wireguard provides added protection
- 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
- Support human-centric design with adaptive, individualized lighting using tunable white light
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

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 > 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 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
  - 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: 75 - 4 - L85/835 - OPTIONS - CONTROL/DIM - UNV

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

OPTIONS [2]

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

EM/10WLP	Low-profile 10-watt emergency battery [3]
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 [4]
HE	High efficacy lumen package [5]
HA	High ambient operating temperature, 40°C [6]
HA50	High ambient operating temperature, 50°C [7]
WG-75	11-gauge white powder coat wireguard [8]
315	1-1/2″ ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2′ chains
RA-75	Row aligner [9]
45AMB	(2) 45° adjustable mounting brackets [10]
(L__)	Additional lower lumen packages available [11] Example: 7,000 nominal lumens = 75-4-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 5 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. 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.
3. Not available with 2′ fixtures, 4′ L120 or 8′ L240 lumen packages.
4. Not available with 2′ fixtures, 4′ L120 or 8′ L240 lumen packages.
5. Not available with tunable white or 90 CRI, 3′ Length, 2′ L15, 4′ L30, or 8′ L60 lumen packages. See page 2 for FIXTURE PERFORMANCE DATA.
6. Not available with 2′ L60, 4′ L120 and 8′ L240 lumen packages. Lumen restrictions apply. See page 2 for FIXTURE PERFORMANCE DATA.
7. Lumen restrictions apply: L32 max for 2′, L40 max for 3′, L65 max for 4′, L130 max for 8′. Not available with EM batteries.
8. Ships separately, field-installed. Not available with special reflectors.
9. Required when row mounting with aircraft cables.
10. Cord recommended, ships separately. See page 3 for MOUNTING ACCESSORY DETAILS. Field-adjustable up and down in 7-1/2° increments.
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 Tunable White or EM batteries.

75 LED Narrow Strip

FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	STANDARD WATTAGE	STANDARD EFFICACY (lm/W)	HE OPTION [1] WATTAGE	HE OPTION EFFICACY (lm/W)	AMBIENT TEMPERATURE (°C) HA OPTION w/EM	HA OPTION NO EM	HA50 OPTION EM
2′	L15	1592	10.8	147	–	–	40	40	50
	L25	2602	18.2	143	14.8	176	40	40	50
	L32	3092	21.3	145	17.2	179	40	40	50
	L42	4344	31.4	138	23.0	189	35	40	—
	L60	6052	43.6	139	34.5	176	—	—	—
3′	L40	4092	28.2	145	–	–	35	40	50
	L64	6593	48.2	137	–	–	30	35	—
4′	L30	3071	19.7	156	–	–	40	40	50
	L50	5126	33.0	155	26.7	192	40	40	50
	L65	6313	42.3	149	35.8	176	40	40	50
	L85	8530	56.2	152	47.6	179	35	40	—
	L100	10154	68.3	149	56.9	178	30	30	—
	L120	12105	85.9	141	68.2	177	—	—	—
8′	L60	5814	35.3	165	–	–	40	40	50
	L100	10078	65.9	153	54.1	186	35	35	50
	L130	13011	87.9	148	70.8	184	35	35	50
	L170	17060	112.4	152	94.8	180	35	35	—
	L200	20309	136.5	149	113.9	178	30	30	—
	L240	24208	171.7	141	136.4	177	—	—	—

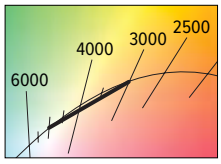
[1] Not available with 90 CRI.

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI, 3500K for single CCT 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.

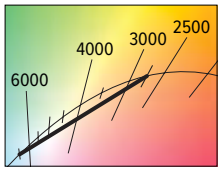
MULTIPLIER TABLE

	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

TW

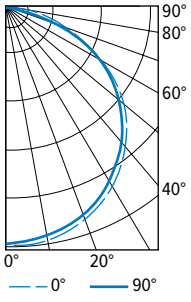


TW2



PHOTOMETRY

75-4-L85/835-DIM Total Luminaire Output: 8530 lumens; 56.2 Watts | Efficacy: 152 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	2896	2896	2896	
5	2917	2887	2876	275
15	2837	2799	2791	792
25	2663	2624	2610	1213
35	2415	2366	2338	1484
45	2066	2006	1990	1552
55	1634	1580	1560	1415
65	1124	1069	1048	1070
75	581	543	531	582
85	104	116	101	144
90	9	14	9	

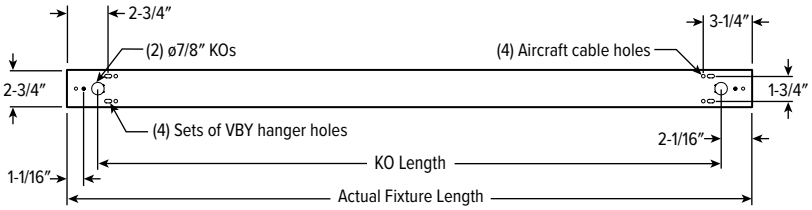
LUMEN SUMMARY ZONE	LUMENS	% FIXTURE
0 - 30	2279	27
0 - 40	3763	44
0 - 60	6730	79
0 - 90	8527	100
0 - 180	8530	100

SEE NEXT PAGE FOR FIXTURE DETAILS.

75 LED Narrow Strip

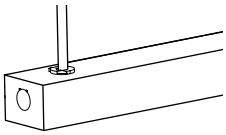
FIXTURE DETAILS

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"

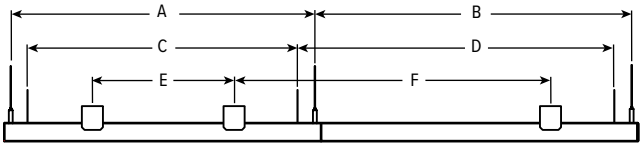
POWER ENTRY



MOUNTING ACCESSORY DETAILS

STAND ALONE

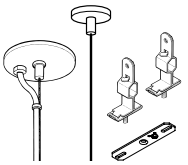
SUBSEQUENT



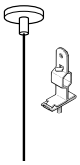
MOUNTING LENGTH

	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.

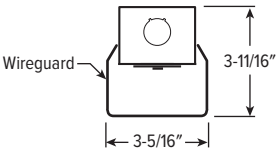
CORD FOR SUSPENDED PRODUCT

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.

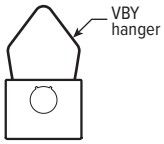
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	**24** 24" **48** 48" **96** 96"	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

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

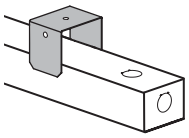
WG-75



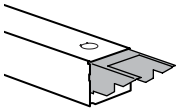
VBY



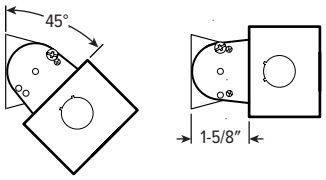
315



RA-75

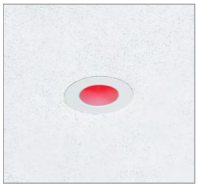


45AMB



REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

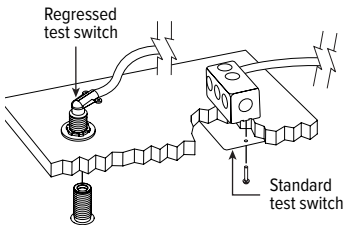


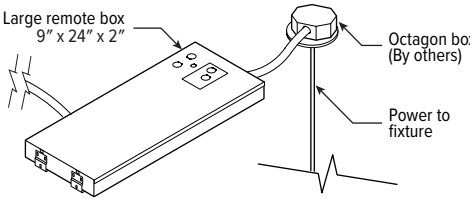
Regressed test switch
ø1-3/4"

EM/10WRM

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

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





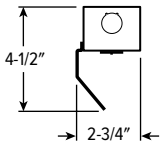
QUICK-CONNECT OPTIONS

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

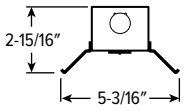
DESIGNATION	NUMBER OF 16GA WIRES FACTORY CONNECTED (EXCLUDING GROUND)	WIRE COLOR/POWER SUPPLY FACTORY CONNECTIONS	TYPICAL USE
QCBW	2	Black, White	On/off switching (DRV) or line voltage dimming (DIM LINE)
QCRW	2	Red, White	Alternating circuits on/off switching (DRV) or line voltage dimming (DIM LINE)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

SPECIAL REFLECTOR OPTIONS

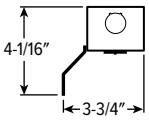
R1015



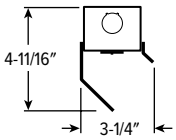
R1172



R1324



R1684

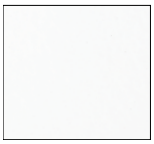


Reflectors ordered and shipped separately. Cannot be used with wireguard accessories.

Example: **R1172**-4-75LED REFL

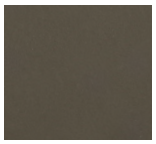
FINISH OPTIONS

WHITE



BLACK

BRONZE



NICKEL

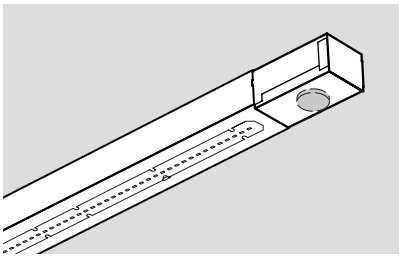
SILVER

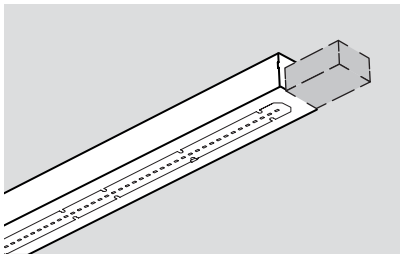
ALUM

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





ADDITIONAL DRIVER OPTIONS

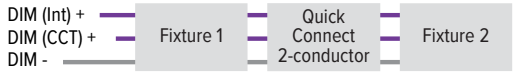
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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