75 tunable WHITE
Narrow Strip

Williams

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT

2″

2-3/4″

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Companion round and square lensed fixtures preserve continuity, see hew.com
- 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
- High-performance up to 132 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′, 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.
- 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. 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. 50/60 Hz constant current driver.
- 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.
  - 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 - L75/8TW - OPTIONS - CONTROL/DALI - UNV

SERIES	LENGTH	LUMENS [1]			CRI	CCT
75	2 22-1/2″	2′	4′	8′	8 80	TW Tunable white (3000K-5000K)
	4 44-5/8″	L25 2,500lm	L40 4,000lm	L80 8,000lm	9 90	TW2 Tunable white (2700K-6500K)
	8 89-1/4″		L53 5,300lm	L106 10,600lm		
			L75 7,500lm	L150 15,000lm		

OPTIONS [2]

See page 2 for FINISH OPTIONS. See page 2 for SPECIAL REFLECTOR 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
(L__)	Additional lower lumen packages available [5] Example: 6,500 nominal lumens = 75-4-L75/8TW-(L65)
WG-75	11-gauge white powder coat wireguard [6]
315	1-1/2″ ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2′ chains
RA-75	Row aligner [7]
45AMB	(2) 45° adjustable mounting brackets [8]
SP1	10kV surge protection, 120 or 277V
SP2	10kV surge protection, 208 or 240V

AIRCRAFT CABLES (EXAMPLE: ACF/D48) [9]

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 [3]

See page 4 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [10]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [11]

DRIVER

See page 4 for DRIVER DETAILS.

DALI Driver prewired for DALI applications
DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
DMX Driver prewired for DMX applications
DSR Sensor-ready driver without external dimming wires (D4i DALI-2). [12]
LD2 Lutron DALI-2 digital driver, 1%

VOLTAGE

120	120V
208	208V
240	240V
277	277V
UNV	120-277V

NOTES

[1] Lumen output based on 80 CRI/4000K CCT. 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] See page 3 for SENSOR & NODE PLACEMENT DETAILS.

[4] Not available with 2′ fixtures.

[5] Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

[6] Shipped separately, field-installed. Not available with special reflectors.

[7] Required when row mounting with aircraft cables.

[8] Cord recommended, ships separately. See page 3 for MOUNTING ACCESSORY DETAILS. Field-adjustable up and down in 7-1/2° increments.

[9] Units specified with aircraft cable require cord. See page 3 for MOUNTING ACCESSORY DETAILS. Requires RA-75 row aligner. See page 3 for MOUNTING ACCESSORY DETAILS.

[10] DSR and LD2 Drivers only.

[11] DSR and LD2 Drivers only.

[12] Lutron Athena Controls only.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)
2'	L25	19.8	2513	127
4'	L40	31.0	4051	131
	L53	43.2	5430	126
	L75	57.5	7599	132
8'	L80	62.0	8102	131
	L106	86.5	10860	126
	L150	115.9	15199	131

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, 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 table to calculate additional options.

MULTIPLIER TABLE

	CCT	COLOR TEMPERATURE			
		TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	–	–	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	–	–	1.01	1.04
90 CRI	2700K	–	–	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	–	–	0.88	1.04

TW
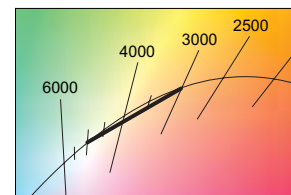
TW2
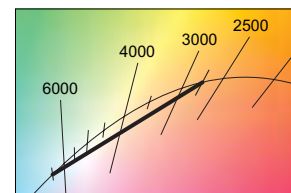
PHOTOMETRY

**75-4-L75/8TW-DALI** Total Luminaire Output: 7599 lumens; 57.5 Watts | Efficacy: 132 lm/W | 80 CRI; 4000K CCT
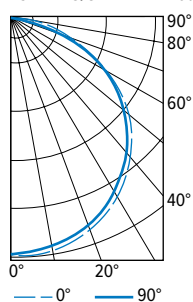
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2580	2580	2580	
5	2599	2572	2562	245
15	2527	2494	2487	705
25	2373	2338	2325	1081
35	2152	2108	2083	1322
45	1840	1787	1773	1383
55	1456	1408	1390	1260
65	1001	952	934	953
75	518	484	473	518
85	92	103	90	128
90	8	13	8	3

ZONE	LUMENS	% FIXTURE
0 - 30	2031	27
0 - 40	3352	44
0 - 60	5996	79
0 - 90	7596	100
0 - 180	7569	100

SPECIAL REFLECTOR OPTIONS

R1015 4-1/2″ 2-3/4″

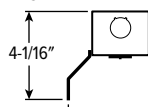**R1172** 2-15/16″ 5-3/16″
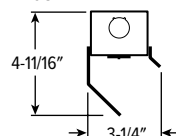
R1324 4-1/16″ 3-3/4″
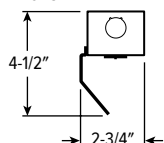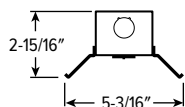
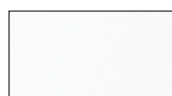**R1684** 4-11/16″ 3-1/4″

Reflectors ordered and shipped separately. Cannot be used with wireguard accessories.
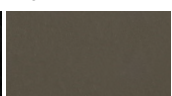
Example: **R1172**-4-75LED REFL

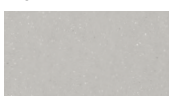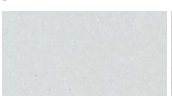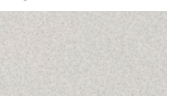## FINISH OPTIONS

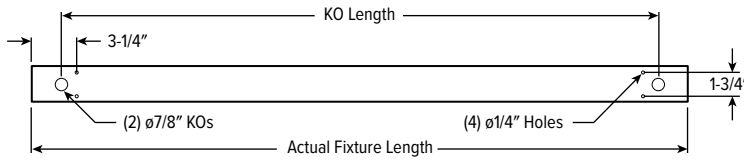WHITE   BLACK   BRONZE   NICKEL   SILVER   ALUM

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.

SEE NEXT PAGE FOR FIXTURE DETAILS

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75 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 ACCESSORY DETAILS
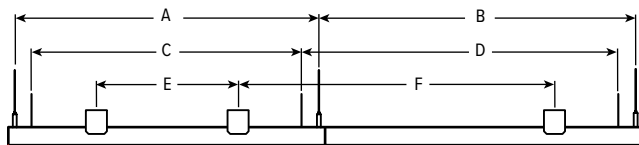
STAND ALONE   SUBSEQUENT

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″
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)

Feeder/Stand-Alone   Joiner
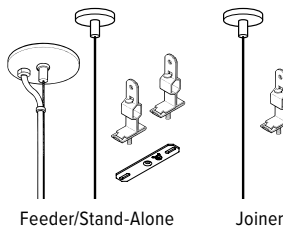
Notes:

- 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.
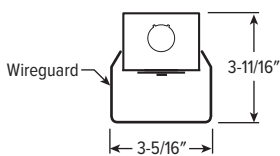
CORD FOR SUSPENDED PRODUCT

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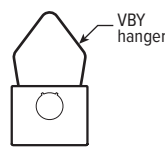
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND. [1]	WIRE SIZE	COLOR
S	**24** 24″ **48** 48″ **96** 96″	3 4 5 6	**8D** 18ga	**/W** White **/B** Black

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

WG-75

Wireguard — 3-11/16″, 3-5/16″

VBY
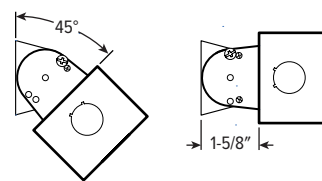

VBY hanger

315

RA-75
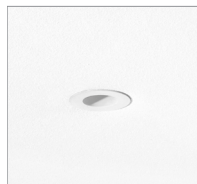

45AMB

45°, 1-5/8″
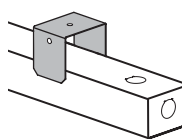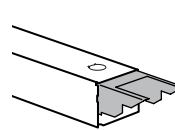
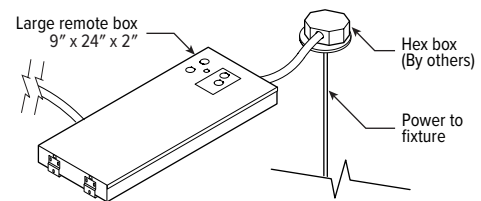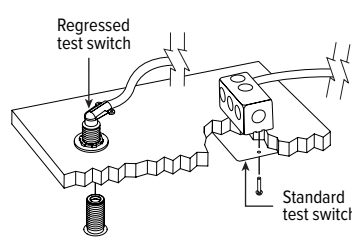## REMOTE MOUNT BATTERY DETAILS

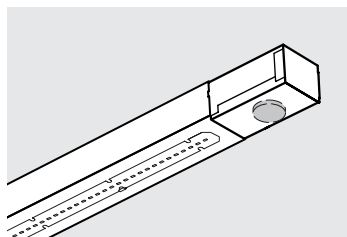### EM/10WRM/RTS

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.

Regressed test switch
Standard test switch

Large remote box 9″ x 24″ x 2″
Hex box (By others)
Power to fixture

SENSOR & NODE PLACEMENT DETAILS

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ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 Drivers only.

SPECIFICATIONS

TYPE	Radio Frequency
MOUNTING HEIGHT	8′ – 12′
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron

LUTRON

SENSOR COVERAGE PATTERNS

9′ height: ø12′ coverage
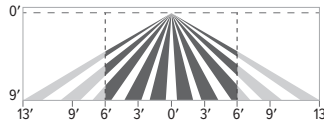
Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8′	114
9′	144
10′	178
12′	256

SENSOR DETAIL

Dimensions: ø1-1/8″

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

OCCWS-FSP-311-L_-120/277 Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.
**OCCWS-FSP-211-L_-120/277** Wattstopper PIR motion and daylight sensor, 120/277. Must specify lens: L2, L3, or L7. Factory installed.
FSIR-100 Remote controller for 211 sensor. Please specify quantity required per project. Ordered and shipped separately.
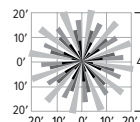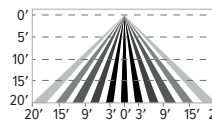
SPECIFICATIONS

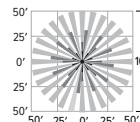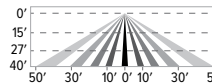|	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8′ – 40′
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS

L2 8′ height: ø48′ coverage
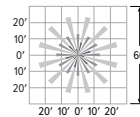
L3 20′ height: ø40′ coverage
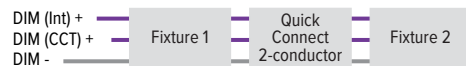

L7 40′ height: ø100′ coverage

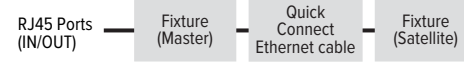### SENSOR DETAIL

Dimensions
L2/L3: ø2-3/8″ | L7: ø3-1/4″

DRIVER DETAILS

DIM

DIM (Int) +
DIM (CCT) +
DIM -

Fixture 1 — Quick Connect 2-conductor — Fixture 2

DMX

RJ45 Ports (IN/OUT) — Fixture (Master) — Quick Connect Ethernet cable — Fixture (Satellite)

DALI

DALI +
DALI -

Fixture 1 — Quick Connect 2-conductor — Fixture 2

LD2

DA +
DA -

Fixture 1 — Quick Connect 2-conductor — Fixture 2

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