75R | 75S tunable WHITE
Narrow Strip

Williams

3-5/16″

3″

2-3/4″   2-3/4″

75R Shown   75S Shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Small fixture profile allows inconspicuous placement in coves or confined spaces
- Round and square lenses provide a clean look for architectural environments
- Special reflectors are available to provide precise light distribution
- Row applications produce continuous light with minimal interruption between fixtures
- Diffuse acrylic lens enhances uniformity and minimizes glare
- Variety of mounting accessories for surface and suspended applications
- High-performance up to 123 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.
- 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 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: 75R - 4 - L53/8TW - OPTIONS - CONTROL/DALI - UNV

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

OPTIONS [3]

See page 3 for FINISH OPTIONS. See page 3 for SPECIAL REFLECTOR OPTIONS.

EM/10WLP	Low-profile 10-watt emergency battery [5]
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 [6]
	Example: 4,800 nominal lumens = 75R-4-L53/8TW-**(L48)**
WG-75	11-gauge white powder coat wireguard [7]
315	1-1/2″ ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2′ chains
RA-75	Row aligner [8]
45AMB	(2) 45° adjustable mounting brackets [9]
SP1	10kV surge protection, 120 or 277V
SP2	10kV surge protection, 208 or 240V

AIRCRAFT CABLES (EXAMPLE: ACF/D48) [10]

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 [4]

See page 5 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [11]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [12]

DRIVER

See page 5 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). [13]
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. 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 4 for REMOTE MOUNT BATTERY DETAILS.
4. See page 4 for SENSOR & NODE PLACEMENT DETAILS.
5. Not available with 2′ fixtures.
6. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
7. Shipped separately, field-installed.
8. Required when row mounting with aircraft cables.
9. Cord recommended, ships separately. See page 4 for MOUNTING ACCESSORY DETAILS. Field-adjustable up and down in 7-1/2° increments.
10. Units specified with aircraft cable require cord. See page 4 for MOUNTING ACCESSORY DETAILS. Requires RA-75 row aligner. See page 4 for MOUNTING ACCESSORY DETAILS.
11. DSR and LD2 Drivers only.
12. DSR and LD2 Drivers only.
13. Lutron Athena Controls only.

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Strips
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75R | 75S tunable WHITE
Narrow Strip

FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)
2'	L25	19.8	2362	119
4'	L40	31.0	3808	123
	L53	43.2	5104	118
8'	L80	62.0	7616	123
	L106	86.5	10208	118

- 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

		COLOR TEMPERATURE			
	CCT	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
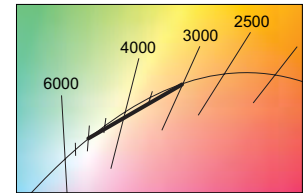
TW2
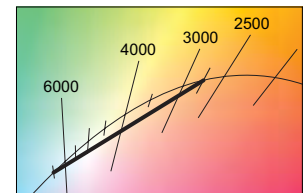
PHOTOMETRY

75R-4-L53/8TW-DALI Total Luminaire Output: 5360 lumens; 33.7 Watts | Efficacy: 159 lm/W | 80 CRI; 4000K CCT
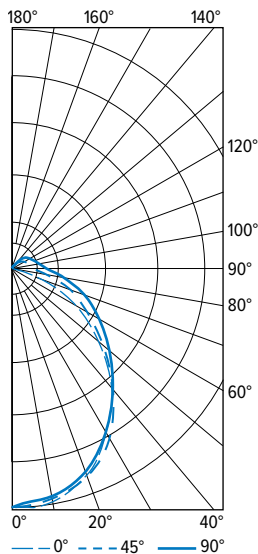
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1717	1717	1717	
5	1736	1711	1690	163
15	1657	1653	1641	465
25	1493	1527	1538	701
35	1268	1351	1397	837
45	980	1107	1207	848
55	664	858	985	751
65	411	624	739	590
75	177	417	513	406
85	42	266	332	250
90	6	206	270	
95	1	165	218	149
105	0	99	145	90
115	0	62	98	55
125	0	35	67	31
135	0	19	42	16
145	0	8	23	6
155	0	4	11	2
165	0	0	2	0
175	0	0	0	0
180	0	0	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1329	25
	0 - 40	2166	40
	0 - 60	3765	70
	0 - 90	5011	94
	90 - 120	293	6
	90 - 150	347	7
	90 - 180	349	7
	0 - 180	5360	100

PHOTOMETRY CONTINUED ON NEXT PAGE.

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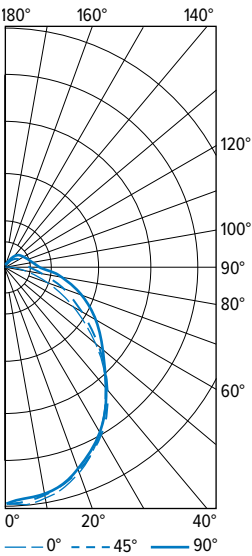
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Strips
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75R | 75S tunable WHITE
Narrow Strip

75S-4-L53/8TW-DALI Total Luminaire Output: 5104 lumens; 43.2 Watts | Efficacy: 118 lm/W | 80 CRI; 4000K CCT


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0º	45º	90º	
0	1722	1722	1722	
5	1737	1714	1690	163
15	1660	1646	1625	462
25	1482	1489	1464	683
35	1241	1267	1239	786
45	956	979	998	762
55	663	731	814	662
65	390	529	644	521
75	170	341	469	355
85	30	203	309	209
90	0	155	246	
95	0	145	217	141
105	0	126	183	116
115	0	108	161	94
125	0	87	136	69
135	0	61	104	45
145	0	37	71	24
155	0	23	40	10
165	0	11	19	3
175	0	0	0	0
180	0	0	0	

CANDLEPOWER DISTRIBUTION

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1308	26
	0 - 40	2093	41
	0 - 60	3518	69
	0 - 90	4602	90
	90 - 120	351	7
	90 - 150	489	10
	90 - 180	502	10
	0 - 180	5104	100

SPECIAL REFLECTOR OPTIONS

R1015
4-1/2″
2-3/4″
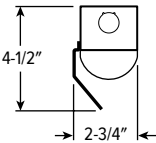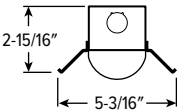
R1172
2-15/16″
5-3/16″

Reflectors ordered and shipped separately. Cannot be used with wireguard accessories. To remove reflector, first remove the lens.

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

FINISH OPTIONS
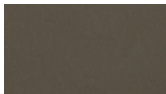
WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM
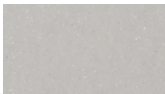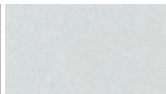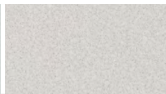
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.

SEE NEXT PAGE FOR FIXTURE DETAILS

75R | 75S tunable WHITE
Narrow Strip

FIXTURE DETAILS

BACKVIEW

KO Length

3-1/4″

1-3/4″

(2) ø7/8″ KOs   (4) ø1/4″ Holes

Actual Fixture Length
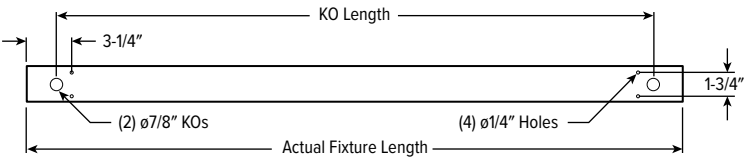
	7/8″ KOs (G)	ACTUAL FIXTURE LENGTH (H)
2′	18-3/8″	22-1/2″
4′	40-1/2″	44-5/8″
8′	85-1/8″	89-1/4″

MOUNTING ACCESSORY DETAILS

STAND ALONE

A
C
E

SUBSEQUENT

B
D
F
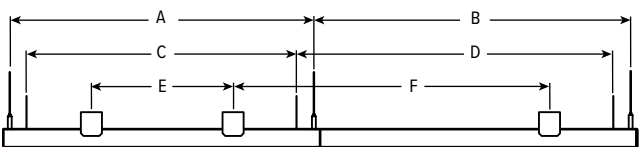
MOUNTING LENGTH

	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
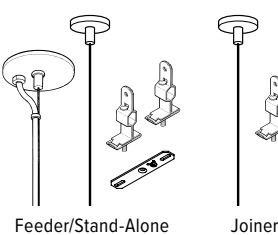
Notes:

- 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.
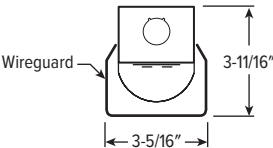- Cable kit provides 10/32 male thread for connection to fixture.

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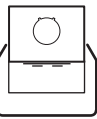
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND. [1]	WIRE SIZE	COLOR
S	**24** 24″ **48** 48″ **96** 96″	3 4 5 6	**8D** 18ga	**/W** White **/B** Black

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

WG-75
75R

Wireguard

3-11/16″

3-5/16″

75S
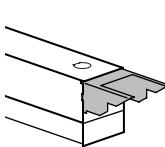
VBY

VBY hanger

315

RA-75

45AMB

45°

1-5/8″
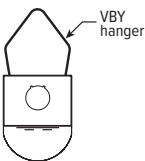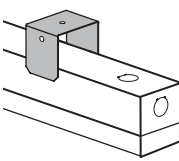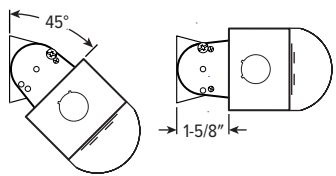
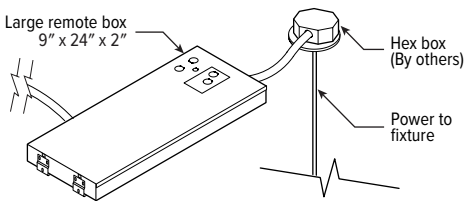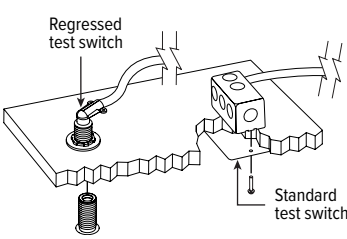## REMOTE MOUNT BATTERY DETAILS
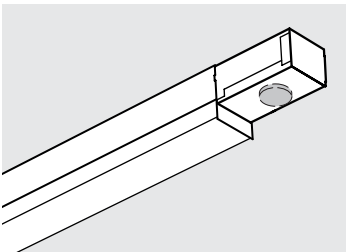
EM/10WRM/RTS

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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75R | 75S tunable WHITE
## Narrow Strip

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
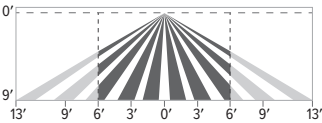
Motion Sensor Coverage

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

SENSOR DETAIL
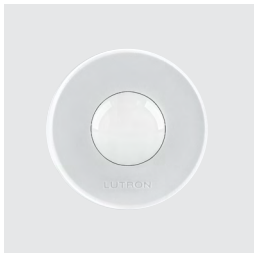
Dimensions: ø1-1/8"

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.
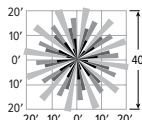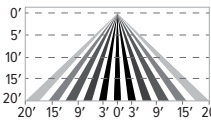
SPECIFICATIONS

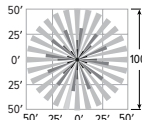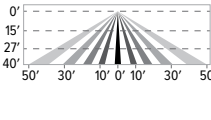|	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS
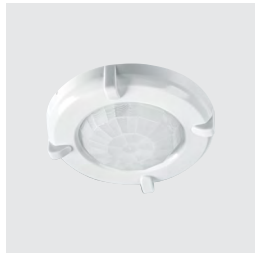
L2 8' height: ø48' coverage
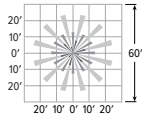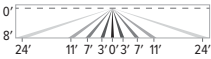
L3 20' height: ø40' coverage

L7 40' height: ø100' coverage

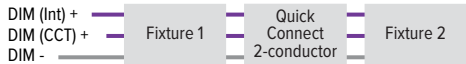### SENSOR DETAIL

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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