75L tunable WHITE
Flat Lens Strip

Williams

3-1/4″

2-3/4″

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT 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
- Choice of diffuse and prismatic lenses
- Flat lens provides even illumination and minimizes glare
- Row applications produce continuous light with minimal interruption between fixtures
- Variety of surface and suspended mounting accessories
- Wide range of light levels to meet application requirements
- High-performance up to 118 lm/W
- Optional wireguard provides added protection
- 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.
- **SHIELDING** – Diffuse matte acrylic, .080″ thick.
- **ELECTRICAL** – High-quality mid-power LED board. L70 > 60,000 hours per IES TM-21. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses. 25°C maximum ambient operating temperature.
- **MOUNTING** – Surface (ceiling or wall) or suspended.
- **LISTINGS** –
  - cETLus conforms to UL STD 1598. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 75L - 4 - L65/8TW - DMA - OPTIONS - CONTROL/DALI - UNV

ORDERING INFO

SERIES	LENGTH [1]	LUMENS [2]	CRI	CCT		SHIELDING	
75L	**2** 2′	**2′**	**8** 80	**TW**	Tunable white (3000K-5000K)	**DMA**	Diffuse matte acrylic, .080″ thick
	4 4′	**L25** 2,500lm	**9** 90 [4]	**TW2**	Tunable white (2700K-6500K)	**AF12125**	Frosted acrylic, pattern #12, .125″ thick
	8 8′ [3]	**4′**					
		L35 3,500lm					
		L65 6,500lm					
		8′					
		L70 7,000lm					
		L130 13,000lm					

OPTIONS [5]

EM/10WLP	Low-profile 10-watt emergency battery [7]
EM/10WRM	Remote mount 10-watt emergency battery [8]
WG-75	11-gauge white powder coat wireguard [9]
315	1-1/2″ ceiling spacer
VBY	(2) Y-hangers
VBY-2	(2) Y-hangers with 2′ chains
RA-75	Row aligner [10]
45AMB	(2) 45° adjustable mounting brackets [11]
(L__)	Additional lower lumen packages available.[12] Example: 5,500 nominal lumens = 75L-4-L65/8TW-**(L55)**
SP1	10kV surge protection, 120 or 277V
SP2	10kV surge protection, 208 or 240V

AIRCRAFT CABLES (EXAMPLE: ACF/D48) [13]

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

–	None

See page 4 for Additional Control Options. [14]

DRIVER [6]

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
PSQ	Lutron T-Series 2-channel tunable white 1%.

VOLTAGE

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

NOTES

[1] For actual length, see page 2 for FIXTURE DETAILS.
[2] Lumen output based on 80 CRI/4000K CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
[3] Ships with (2) 4′ lenses.
[4] Extended lead times may apply. Consult factory for availability.
[5] See page 2 for FINISH OPTIONS. See page 3 for MOUNTING DETAILS.
[6] See page 4 for DRIVER DETAILS.
[7] 4′ and 8′ only. Not available with L65 and L130 lumen packages.
[8] See page 3 for MOUNTING DETAILS.
[9] Shipped separately, field-installed.
[10] Required when row mounting with aircraft cables.
[11] Cord recommended, ships separately. See page 3 for MOUNTING DETAILS. Field-adjustable up and down in 7-1/2° increments.
[12] Specify in increments of 100 nominal lumens. Option must be scified with next higher lumen package.
[13] Units specified with aircraft cable require cord. See page 3 for MOUNTING DETAILS. Requires RA-75 row aligner. See page 3 for MOUNTING DETAILS.
[14] See page 3 for SENSOR PLACEMENT DETAILS.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	DMA LENS		AF12125 LENS	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
2'	L25	26.9	2562	95	2949	110
4'	L35	34.2	3502	102	4031	118
	L65	64.4	6621	103	7619	118
8'	L70	68.5	7004	102	8059	118
	L130	128.8	13241	103	15237	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

|	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
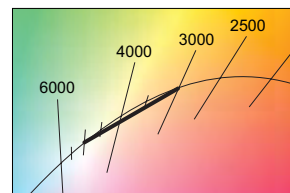
TW2
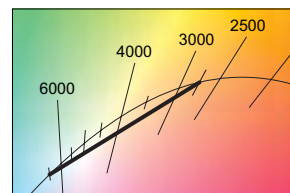
PHOTOMETRY

75L-4-L65/8TW-DMA Total Luminaire Output: 6621 lumens; 64.4 Watts | Efficacy: 103 lm/W | 80 CRI; 4000K CCT
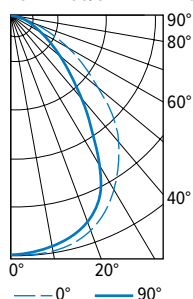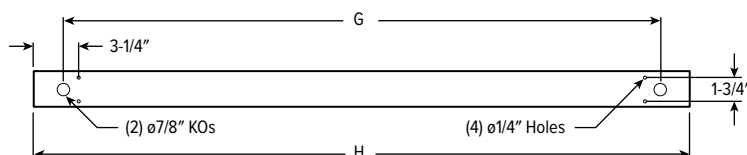

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2949	2949	2949	
5	3009	2932	2882	278
15	2862	2782	2707	784
25	2589	2476	2352	1140
35	2207	2037	1867	1277
45	1732	1522	1322	1187
55	1212	1030	874	940
65	752	612	512	626
75	362	285	240	312
85	83	60	57	76
90	0	0	0	

ZONE	LUMENS	% FIXTURE
0 - 30	2203	33
0 - 40	3480	53
0 - 60	5607	85
0 - 90	6621	100
0 - 180	6621	100

FIXTURE DETAILS

BACKVIEW

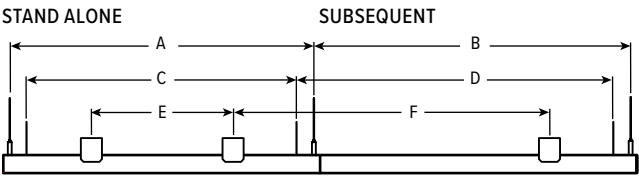| 7/8" KOs (G)	ACTUAL FIXTURE LENGTH (H)
2'	18-3/8"	22-1/2"
4'	40-1/2"	44-5/8"
8'	85-1/8"	89-1/4"

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.

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MOUNTING 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)
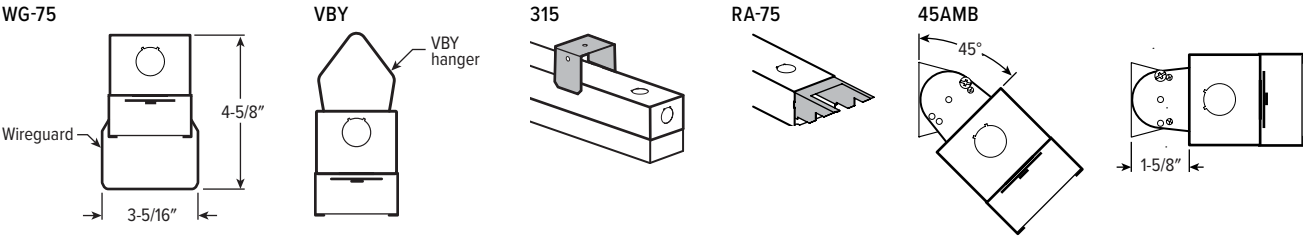

Feeder/Stand-Alone
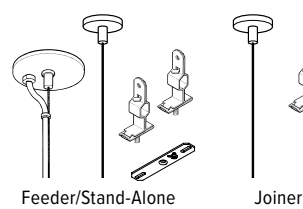
Joiner

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.

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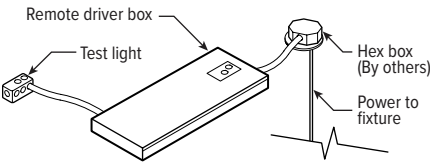
EXAMPLE: S2438D/W				
CORD TYPE	**LENGTH**	**# OF COND.** [1]	**WIRE SIZE**	**COLOR**
S	**24** 24" **48** 48" **96** 96"	**3** **4** **5** **6**	**8D** 18ga	**/W** White **/B** Black

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

WG-75

Wireguard

4-5/8"

3-5/16"

VBY

VBY hanger

315

RA-75

45AMB

45°

1-5/8"

REMOTE MOUNT BATTERY

Max remote distance 50'.

Remote driver box

Test light

Hex box (By others)

Power to fixture

SENSOR PLACEMENT DETAILS

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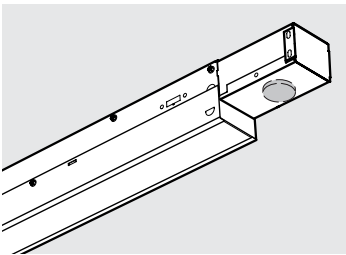
ADDITIONAL CONTROL OPTIONS

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.
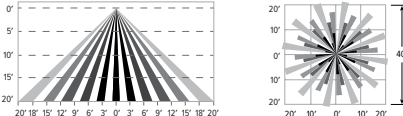
SPECIFICATIONS

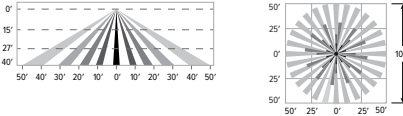|	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 40'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 75°C
COMMISSIONING	311 Sensor: App (iOS or Android) 211 Sensor: FSIR-100 Remote

SENSOR COVERAGE PATTERNS
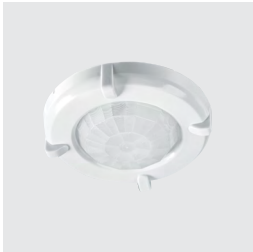
L2 8' height: ø48' coverage
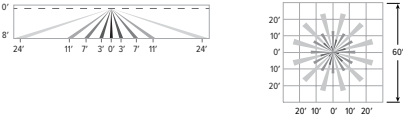
L3 20' height: ø40' coverage
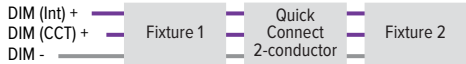
L7 40' height: ø100' coverage

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

LUTRON T-SERIES

T1
T2
— Fixture 1 — Quick Connect 2-conductor — Fixture 2

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