LUMENFOCUS

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

90+ CRI

POWER SELECT LED

EWL S G2 8 Power Select | LED Slim Wrap

Features:

- High performance LED technology
- 0-10V dimming drivers standard
- Field replaceable LED boards and drivers
- Can be surface, stem, or cable mounted as individual units or in continuous rows
- Buy American Act compliant *(All base luminaires are BAA compliant. Addition of options may change eligibility. Contact factory for details.)*

Applications:

Suitable for industrial, retail, and institutional applications

- Warehouse
- Manufacturing Facility
- Stock Room
- Classroom

Warranty:

- 5 year limited system warranty - see www.LumenFocus.com for complete warranty terms and conditions

Construction:

- Die-formed heavy-gauge cold rolled steel
- Pre-painted with a highly durable, highly reflective white finish
- Frosted Acrylic Lens

MADE IN USA

USING DOMESTIC AND FOREIGN COMPONENTS

BUY AMERICAN ACT COMPLIANT - BAA

Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations

c UL us

Predicted Lifetime:

- L70 ≥ 171,000 hrs (calculated)
- L80 ≥ 108,000 hrs (calculated)
- L90 ≥ 53,000 hrs (reported)
- 81% lumen maintenance @ 102,000 hrs *(based on LM-80, TM-21 and in-situ laboratory testing)*
- Driver: 85,000 hrs at 120V input, 100% load and 60ºC/140ºF case temperature

Ambient Operating Temp:

- -30°C to 40°C

www.lumenfocus.com
880 Facet Rd. | Henderson, NC 27537
252-430-6970

Ordering Guide:

example: EWL S G2 8 SEL35 UV FA 940 QC

Series	Version	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Options
EWL S	G2	8		UV	FA				
EWL S Slim Wrap	**G2** Gen 2	**8** 8'	**SEL15** 15W Selectable Output **SEL25** 25W Selectable Output **SEL35** 35W Selectable Output **SEL45** 45W Selectable Output **SEL75** 75W Selectable Output **SEL100** 100W Selectable Output	**UV** 120-277	**FA** Frosted Acrylic	**930** 90 CRI/3000K **935** 90 CRI/3500K **940** 90 CRI/4000K **950** 90 CRI/5000K	**Blank** None **VC** V-Chain Hangers **QC** 10' Quick Hang Cable Kit **QC15** 15' Quick Hang Cable Kit **QC20** 20' Quick Hang Cable Kit	**Blank** No Controls **ZOSMD** Microwave Daylight/Motion Sensor With Step-Dimming (High/Low/Off)(1) **ZOFD1** Leviton Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Sensor with Grouping(1) **ZOFDU** Leviton Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Sensor with Grouping, Scheduling(1) **Z221BL_** Wattstopper Programmable Photo/ Motion Multi-Voltage Sensor (high/low/off)(2) **Z321BL_** Wattstopper Bluetooth-enabled Programmable Photo/Motion Multi-Voltage Sensor (high/low/off)(2)	**Blank** No Options **C6** 6' Single Circuit Cord **C65W** 6' Single Circuit Cord with Low Voltage Connections **C10** 10' Single Circuit Cord **C105W** 10' Single Circuit Cord with Low Voltage Connections **D6** 6' Dual Circuit Cord **D10** 10' Dual Circuit Cord **P(NEMA)** Plug (Specify NEMA configuration) **F** Fuse **EM6** 6.5W Emergency Pack(6) **EM10** 10W Emergency Pack(6) **EM14** 14W Emergency Pack(6) **CC** Conformal Coating **LVL** 0-10V Dimming Leads for Easy Field Access **BAA** Buy American Act Compliant

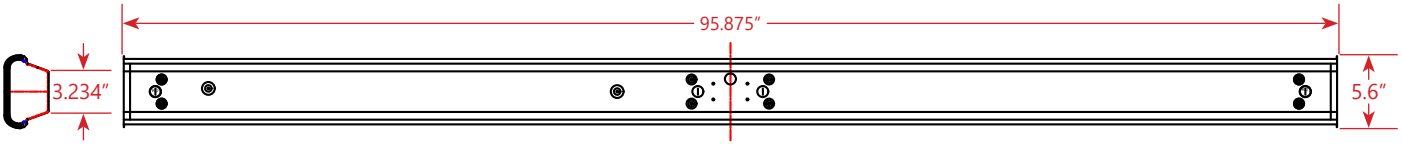
Notes

(1) See Page 4 for more details.
(2) "_" = lens type. See Page 4 for more details.
(3) 120-277V / 0°C-55°C ambient. To estimate lumen output in emergency mode, multiply EM wattage by the Lumens per Watt of the lowest output setting of the luminaire it is installed in.
ex. EWL S G2 8 SEL45 UV FA 940 EM10 → 165.4 LPW x 10W = 1,654 lm

Controls Accessories *(order separately)*

For WattStopper Controls
FSIR-100 Wireless IR Programming Tool (For Z211Lx)

Schematic:



www.lumenfocus.com
880 Facet Rd. | Henderson, NC 27537
252-430-6970

Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
EWL S G2 8 SEL15 UV FA 9xx	8.8	1360.6	154.6	1374.8	156.2	1417.3	161.0	1431.5	162.6
	10.2	1563.1	153.9	1579.4	155.6	1628.2	160.4	1644.5	162.0
	12.0	1832.3	153.2	1851.4	154.8	1908.6	159.6	1927.7	161.1
	13.3	2033.6	152.6	2054.8	154.2	2118.4	159.0	2139.6	160.6
EWL S G2 8 SEL25 UV FA 9xx	14.6	2333.2	160.0	2357.5	161.7	2430.4	166.7	2454.7	168.4
	17.1	2718.9	159.3	2747.2	161.0	2832.2	166.0	2860.5	167.6
	19.6	3103.5	158.7	3135.9	160.3	3232.9	165.3	3265.2	167.0
	22.0	3487.1	158.8	3523.4	160.5	3632.4	165.5	3668.7	167.1
EWL S G2 8 SEL35 UV FA 9xx	23.8	3869.6	162.9	3910.0	164.6	4030.9	169.7	4071.2	171.4
	26.2	4251.1	162.3	4295.4	164.0	4428.2	169.1	4472.5	170.8
	28.6	4631.5	161.7	4679.7	163.4	4824.5	168.5	4872.7	170.1
	31.1	5010.8	161.1	5063.0	162.8	5219.6	167.9	5271.8	169.5
EWL S G2 8 SEL45 UV FA 9xx	33.9	5389.0	158.8	5445.2	160.5	5613.6	165.4	5669.7	167.1
	36.4	5766.2	158.3	5826.3	159.9	6006.5	164.8	6066.5	166.5
	38.9	6142.3	157.7	6206.3	159.4	6398.2	164.3	6462.2	165.9
	41.5	6517.2	157.2	6585.1	158.8	6788.8	163.7	6856.7	165.4
EWL S G2 8 SEL75 UV FA 9xx	53.6	8375.6	156.3	8462.8	157.9	8724.5	162.8	8811.8	164.4
	58.7	9111.1	155.2	9206.0	156.9	9490.7	161.7	9585.6	163.3
	63.8	9842.1	154.2	9944.6	155.8	10252.2	160.6	10354.7	162.2
	69.0	10568.5	153.2	10678.6	154.8	11008.9	159.6	11118.9	161.2
EWL S G2 8 SEL100 UV FA 9xx	74.2	11290.3	152.2	11407.9	153.8	11760.8	158.5	11878.4	160.1
	79.4	12007.5	151.2	12132.6	152.7	12507.8	157.5	12632.9	159.0
	84.7	12720.0	150.2	12852.5	151.7	13250.0	156.4	13382.5	158.0
	90.0	13427.9	149.2	13567.7	150.7	13987.3	155.4	14127.2	156.9

LUMENFOCUS Re-boardABILITY

The EWL features field replaceable boards and drivers. This allows you to upgrade to more efficient technology in the future. Or, in the rare event of a failure, you can rapidly replace defective components. Re-boardABILITY helps to ensure you won't get stuck with an obsolete light fixture. Learn more about Re-boardABILITY here.

Controls Summary:

Control Code	Type	Capabilities	Communication
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V
ZOFD1	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)
ZOFDU	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)
Z221BLx	Motion (PIR), Photosensor	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via IR remote (sold separately)
Z321BLx	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)

Microwave Occupancy Sensor (ZOSMD)

The Leviton OSM3D-DDW (or equivalent) detects motion through low density materials using high frequency electromagnetic waves. This means it can sit discretely behind the EWLN's prismatic lens. The ZOSMD features automatic switching based on motion and ambient light level. ZOSMD option adds step-dimming functionality - standby dimming level 10% / 20% / 30% / 50%. **Max mounting height for ZOSMD is 40 feet.**

Smart Sensors (ZOFD1/ZOFDU)

The ZOFDx option includes high bay and low bay lenses along with aisleway masks that can easily be installed or swapped out in the field. **The high bay lens is good for 20'-40' mounting heights, while the low bay lens is good for 8'-20' mounting heights.**

- Leviton Smart IP66 passive infrared (PIR) sensors
- Features mesh grouping (16 devices per group), occupancy sensing, daylight harvesting, scheduling (for ZOFDU only), single-level switching
- Comes pre-installed on the end cap
- Rated for cold locations
- Configurable through the Leviton Smart Sensor App using a smartphone or other Bluetooth-enabled iOS or Android device

Programmable Sensors (Z221B/Z321B)

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Comes pre-installed on the end cap
- Rated for cold locations
- Parameters for Bluetooth-enabled Z321B adjustable via phone app - iOS or Android
- Parameters adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:

  -L2: 360º lens, maximum coverage 48', diameter from 8' height
  -L3: 360º lens, maximum coverage 40', diameter from 20' height
  -L7: 360º lens, maximum coverage 100', diameter from 40' height

Left: FSIR-100;
Top: Phone app interface for Z321B

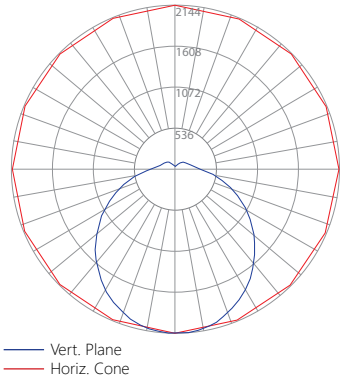
Photometric Data:

EWL S G2 8 SEL45 UV FA 940

Test No.: LLIA002568-007A(s)
Luminaire Lumens: 6,788 lm
Luminaire Watts: 41.5W
Efficacy: 163.7 LPW
Spacing Criterion (0-180): 1.20
Spacing Criterion (90-270): 1.28

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5319	4952	5047
55	4782	4464	4679
65	4153	3931	4300
75	3310	3353	3908
85	1794	2795	3589



Coefficients Of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC		80				70				50				30	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	
1	106	101	96	92	102	97	93	89	92	88	85	86	83	81	
2	96	87	80	74	92	85	78	73	80	74	70	75	71	67	
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	
4	80	68	59	52	77	66	57	51	62	55	49	59	53	48	
5	73	60	51	44	71	59	50	44	56	48	43	53	46	41	
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	
7	63	49	40	34	60	48	40	34	46	38	33	43	37	32	
8	58	45	36	30	56	44	36	30	42	35	29	40	33	29	
9	55	41	33	27	53	40	32	27	38	31	26	37	30	26	
10	51	38	30	25	49	37	30	24	36	29	24	34	28	23	

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	775.57	11.4
0-30	1636.89	24.1
0-40	2661.09	39.2
0-60	4661.86	68.7
0-80	5931.03	87.4
0-90	6206.49	91.4
90-120	376.00	5.5
90-130	454.13	6.7
90-150	549.00	8.1
90-180	581.86	8.6
110-180	304.62	4.5
0-180	6788.35	100.0