Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

90+ CRI **LED**

EWL S G2 4 | LED Slim Wrap

Features:
- High performance LED technology
- 0-10V dimming drivers standard
- DALI drivers available
- 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

Ambient Operating Temp:
- -30°C to 40°C

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)

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

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

c(UL)us

Warranty:
- 5 year limited system warranty - see www.LumenFocus.com for complete warranty terms and conditions
- 10 year warranty option available on specific models
(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)

MADE IN USA
USING DOMESTIC AND FOREIGN COMPONENTS

BAA BUY AMERICAN ACT COMPLIANT

10 YEAR EXTENDED WARRANTY
AVAILABLE ON CERTAIN MODELS

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Ordering Guide:

example: EWL S G2 4 MD UV FA 940 QC

Series	Version	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Options
EWL S	G2	4			FA				
EWL S Slim Wrap	**G2** Gen 2	**4** 4'	**SL** Super Low	**UV** 120-277	**FA** Frosted Acrylic	**930** 90 CRI/3000K	**Blank** None	**Blank** No Controls	**Blank** No Options
			VL Very Low	**34** 347V		**935** 90 CRI/3500K	**VC** V-Chain Hangers	**ZSOL** Leviton Intellect Solo Programmable PIR/Daylight Harvesting Sensor[1]	**EXT10** 10-Year Extended Warranty[5]
			LW Low			**940** 90 CRI/4000K	**QC** 10' Quick Hang Cable Kit	**ZOFD1** Leviton Bluetooth-enabled Programmable Dimming/Occupancy/Daylight Harvesting Sensor with Grouping (120-277V)[2]	**C6** 6' Single Circuit Cord
			MD Medium			**950** 90 CRI/5000K	**QC15** 15' Quick Hang Cable Kit	**ZOFDU** Leviton Bluetooth-enabled Programmable Dimming/Occupancy/Daylight Harvesting Sensor with Grouping, Scheduling (120-480V)[1]	**C65W** 6' Single Circuit Cord with Low Voltage Connections
			HI High				**QC20** 20' Quick Hang Cable Kit	**Z221BL_** Wattstopper Programmable Photo/Motion Multi-Voltage Sensor (high/low/off)[3]	**C10** 10' Single Circuit Cord
			VH Very High					**Z321BL_** Wattstopper Bluetooth-enabled Programmable Photo/Motion Multi-Voltage Sensor (high/low/off)[3]	**C105W** 10' Single Circuit Cord with Low Voltage Connections
								ZOSMD Microwave Daylight/Motion Sensor With Step-Dimming (High/Low/Off)[2]	**D6** 6' Dual Circuit Cord
								ZSLFC2 Keystone SmartLoop Wireless Bluetooth Mesh Occupancy/Daylight Harvesting Smart Sensor[1]	**D10** 10' Dual Circuit Cord
								ZLDS Leviton Intellect DALI Sensor with Dimming/Occupancy/Daylight Harvesting with Network Capabilities[4]	**P(NEMA)** Plug (Specify NEMA configuration)
								ZL7S Leviton Intellect 0-10V Sensor with Dimming/Occupancy/Daylight Harvesting with Network Capabilities[4]	**F** Fuse
								ZLDC Leviton Intellect DALI Fixture Controller with Network Capabilities[4]	**EM6** 6.5W Emergency Pack[6]
								ZL7C Leviton Intellect 0-10V Fixture Controller with Network Capabilities[4]	**EM10** 10W Emergency Pack[6]
								ZENLC Enlighted Micro Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted Connected System[4]	**EM14** 14W Emergency Pack[6]
								ZENLI Enlighted Micro Sensor with Dimming/Occupancy/Daylight Harvesting and Enlighted IoT System[4]	**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] 120-277V only. See Page 4 for more details.
[3] "_" = lens type. See Page 4 for more details.
[4] See Page 5 for more details.
[5] Not available on all models. Certain conditions apply. Consult factory or sales representative for details.
[6] 120-277V / 0°C-55°C ambient. To estimate lumen output in emergency mode, multiply EM wattage by the Lumens per Watt of the luminaire it is installed in.
ex. EWL S G2 4 MD UV FA 940 EM10 → 151.9 LPW x 10W = 1,519 lm

Controls Accessories *(order separately)*

For Leviton Programmable Sensor
ZLS0R-RA1   IR Programming Remote

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

For Keystone SmartLoop Controls
KTSL-WS1-B-SG/G2   5-Button Bluetooth Wireless Wall Switch
KTSL-TK1-USB   USB Time Keeper

For Leviton Intellect Controls
DRKDN-U1W   1-Button Wireless Wall Controller
DRKDN-U2W   2-Button Wireless Wall Controller
DRKDN-U4W   4-Button Wireless Wall Controller
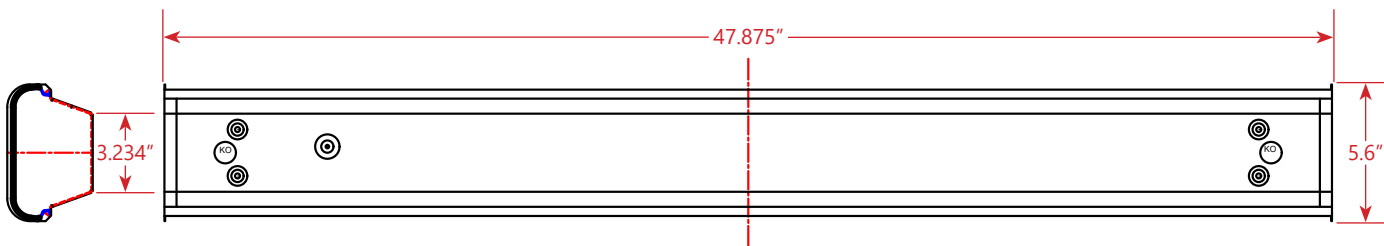DRKDN-U8W   8-Button Wireless Wall Controller

For Enlighted Controls
WS-2-00   Enlighted Remote Control Wall Switch (for Enlighted Connected & IoT)

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Schematic:

47.875"

3.234"

5.6"

Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
EWL S G2 4 SL UV FA 9xx	14.8	2213.1	149.4	2236.1	151.0	2305.3	155.6	2328.3	157.2
EWL S G2 4 VL UV FA 9xx	27.8	4210.8	151.4	4254.6	153.0	4386.2	157.7	4430.1	159.3
EWL S G2 4 LW UV FA 9xx	35.1	5221.3	148.9	5275.7	150.4	5438.9	155.1	5493.3	156.6
EWL S G2 4 MD UV FA 9xx	42.6	6214.1	145.8	6278.8	147.3	6473.0	151.9	6537.7	153.4
EWL S G2 4 HI UV FA 9xx	55.9	8214.1	147.1	8299.6	148.6	8556.3	153.2	8641.9	154.7
EWL S G2 4 VH UV FA 9xx	71.6	10257.1	143.3	10364.0	144.8	10684.5	149.2	10791.4	150.7

Controls Summary:

Control Code	Type	Capabilities	Communication
ZSOL	Motion (PIR), Daylight Harvesting	High/Low/Off	Wired 0-10V, Programmable via IR remote (sold separately)
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)
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V
ZSLFC2	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling, LLLC (Keystone Tech.-SmartLoop)	Wireless Bluetooth Mesh, Programmable via Keystone SmartLoop App for iOS or Android
ZLxS	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling, Demand Response*, BMS Integration*, LLLC (GreenMAX DRC)	Wireless Zigbee 2.4 GHz Mesh, Programmable via GreenMAX DRC app. for iOS or Android along with DRKDN-UxW Wall Controller (sold separately)
ZLxC	Controller, No Sensors	High/Low/Off, High-End Trim, Grouping, Scheduling, Demand Response*, BMS Integration*, LLLC (GreenMAX DRC)	Wireless Zigbee 2.4 GHz Mesh, Programmable via GreenMAX DRC app. for iOS or Android along with DRKDN-UxW Wall Controller (sold separately)
ZENLC	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, Upgradable to IoT (ZENLI), LLLC (Enlighted IoT)*	Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software
ZENLI	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling*, Energy Monitoring*, BMS Integration*, LLLC (Enlighted IoT)*, Space - Building Utilization*, Where - Real Time Location Services*	Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted IoT Software

LLLC = Luminaire Level Lighting Control
* Additional equipment required. Contact LumenFocus representative for details

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.

Dimming 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

Keystone SmartLoop Wireless Control System

The SmartLoop wireless lighting control system by Keystone is a Bluetooth mesh lighting control system that allows you to set up and manage your lighting ecosystem quickly and easily. It's powerful enough to run a space with multiple lighting zones, but simple enough to program in minutes with your smartphone – perfect for warehouses, offices, schools, and auditoriums, whether new construction or retrofit.

- Wireless Bluetooth 2.4 GHz mesh network
- Supports up to 100 devices on a single region, with unlimited regions
- Independent per-fixture control: Occupancy, Daylight Harvesting, Task Tuning, Grouping, Scene Setting, Scheduling
- Commissioned via SmartLoop mobile app for iPhone and Android

ZSLFC2

- Low voltage individual fixture controller for SmartLoop system
- Integrated daylight and PIR motion sensors
- **Up to 16' mounting height.** 16' radius at 16' height.
- Works with 0-10V dim-to-off drivers with 12V aux. power

SmartLoop Accessories

- Bluetooth Wireless Wall Switch: **KTSL-WS1-B-SG/G2**
  - Battery Powered: 2x CR2032
  - 5 Button: Power Toggle, Dimming, Automatic Sensor/Preset Level Operation, Scene Activation

- USB Time Keeper: **KTSL-TK1-USB**
  - Relays time to system components after a power loss
  - Powered by standard USB charging port
  - Internal CR1220 battery backup

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.**

Leviton Intellect Solo Dimming Sensor (ZSOL)

The EWL can be equipped with an integrated Leviton Intellect Solo Sensor ("ZSOL" option). This is a 0-10V dimming Passive Infrared (PIR) occupancy and daylight harvesting sensor.

Other features:
- Partial-on
- Partial-off
- **8' to 10' mounting height**
- IP20 rated
- Detection angle: 120 degrees
- IR remote available for programming sensor from the floor (sold separately)
- Can be used to comply with IECC, ASHRAE 90.1 and 2019 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements.

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

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GreenMAX DRC Wireless Networked Control System
with Leviton Intellect Sensors & Controllers

The GreenMAX DRC Wireless Keypad Room Controllers are used as the brain of the system, managing the fixture integrated Leviton Intellect sensors & controllers. Wirelessly commission, configure, control, monitor and provision the GreenMAX DRC system using the GreenMAX DRC App and an Android or iOS smart device.

- Occupancy/Vacancy Sensing
- Multi-Level Lighting, Partial-On, Partial-Off
- Daylight Harvesting
- Task Tuning
- Scheduling
- Grouping
- Demand Response
- BMS Integration
- ZigBee 2.4 GHz Wireless Mesh Network
- Up to 75' between devices

* DRKDN-UxW room controller required for full functionality and programming of Intellect sensors & controllers

ZLxS
- PIR Occupancy Sensor
- Daylight Sensor
- 0-10V or DALI
- **Up to 20' mounting height**

ZLxC
- Wireless fixture controller, no sensor
- 0-10V or DALI

DRKDN-UxW Room Controllers
- 1-, 2-, 4-, and 8-button configurations
- Line voltage powered: 120-277V
- Max capacity: 60 devices
- Programmable: On/Off/Raise/Lower/ Toggle/Scene
- Use any Android or iOS device for configuration using the GreenMAX DRC App

---

Enlighted: All-in-one sensors, upgradeable systems

Enlighted's SMART Micro Sensor is an all-in-one unit: task tuning, high-end trimming, daylight harvesting, and occupancy/vacancy detection. **Max installation height is 15 feet.**

Enlighted Connected ("ZENLC") offers many features, including motion and switch groups, daylight harvesting, energy reporting, and more. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Enlighted Connected can be fully upgraded to the next tier in the future. So if you start with ZENLC but want to add the functionality of the ZENLI option, you can.
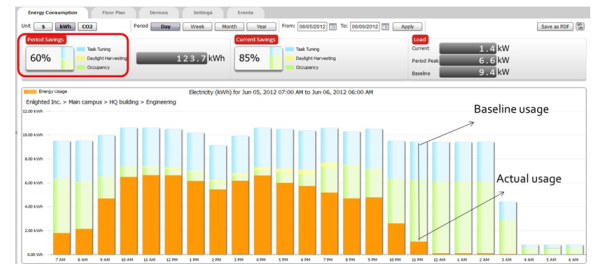
Enlighted Capabilities*	Enlighted Connected (ZENLC)	Enlighted IoT (ZENLI)
Motion and Switch Groups	✓	✓
Daylight Harvesting	✓	✓
Schedule Lighting	✓	✓
Energy Reporting & Optimization	✓	✓
Environment Data & Lighting Controls API	✓	✓
Building Management System Integration	✓	✓
Where & Space Applications		✓
Location & Occupancy APIs & Beaconing		✓
Future App & API Ready		✓

Real-time data analytics

Enlighted's control units compile data in real-time, which can be viewed via the Energy Manager. The Energy Manager is part of the Enlighted Connected and Enlighted IoT configurations.
- Real-time measurements and verification of energy savings
- Space analytics - data can be compiled into motion trails and heat maps
- Analyze traffic density and congestion in a space

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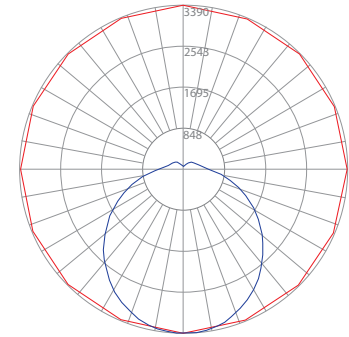© 2025 LumenFocus, LLC.
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Photometric Data:

EWL S G2 4 VH UV FA 940

Test No.: LLIA002568-007A(s)
Luminaire Lumens: 10,684 lm
Luminaire Watts: 71.6W
Efficacy: 149.2 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	16510	15456	15886
55	14755	13896	14729
65	12692	12187	13536
75	9914	10327	12301
85	4949	8494	11298

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

—— Vert. Plane
—— Horiz. Cone

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	1220.68	11.4
0-30	2576.35	24.1
0-40	4188.36	39.2
0-60	7337.42	68.7
0-80	9335.00	87.4
0-90	9768.54	91.4
90-120	591.79	5.5
90-130	714.77	6.7
90-150	864.08	8.1
90-180	915.81	8.6
110-180	479.45	4.5
0-180	10684.35	100.0