

Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____



EWL G2 4 | LED Wrap

Features:

- High performance LED technology
- 90+ CRI standard
- 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

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.)

Construction:

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

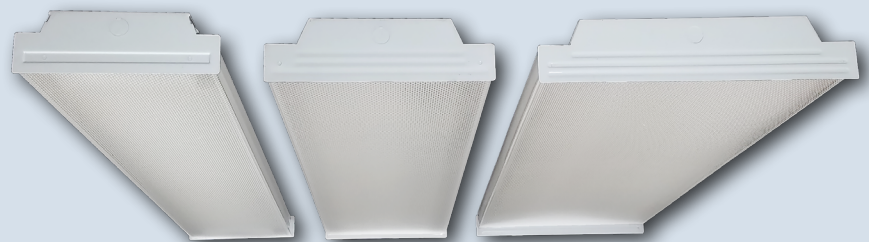
Certifications:

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



Predicted Lifetime:

- L70: $\geq 129,000$ hrs (calculated)
- L80: $\geq 81,000$ hrs (calculated)
- L90: $\geq 39,000$ hrs (reported)
- 85% lumen maintenance @ 60,000 hrs
(based on LM80 and insitu laboratory testing)



The EWL G2 is available in three width options: 9", 11", and 16"



Ordering Guide:

example: EWL 4 MD UV CPA 840 11" QC

Series	Length	Output	Voltage	Shielding	CRI/CCT	Width	Hanging	Controls	Options
EWL G2	4			CPA					
EWL G2 EWL Gen 2	4 4'	SL Super Low	UV 120-277	CPA Clear Prismatic Acrylic	930 90 CRI/3500K	9" 9.25" Width	Blank None (Surface or Pendant Mount)	Blank No Controls	Blank No Options
		VL Very Low	34 347V		935 90 CRI/3500K	11" 11.25" Width	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	16" 16.00" Width	QC 10' Quick Hang Cable Kit	ZOFD1 Leviton Bluetooth-enabled Programmable Dimming/Occupancy/ Daylight Harvesting Sensor with Grouping (120-277V) ⁽²⁾	F Fuse
		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⁾	EM6 6.5W Emergency Pack ⁽⁶⁾
		HI High					QC20 20' Quick Hang Cable Kit	Z221BL_ Wattstopper Programmable Photo/ Motion Multi-Voltage Sensor (high/low/off) ⁽³⁾	EM10 10W Emergency Pack ⁽⁶⁾
		VH Very High						Z321BL_ Wattstopper Bluetooth-enabled Programmable Photo/Motion Multi- Voltage Sensor (high/low/off) ⁽³⁾	EM14 14W Emergency Pack ⁽⁶⁾
								ZOSMD Microwave Daylight/Motion Sensor With Step-Dimming (High/Low/Off) ⁽²⁾	CC Conformal Coating
								ZSLFC2 Keystone SmartLoop Wireless Bluetooth Mesh Occupancy/Daylight Harvesting Smart Sensor ⁽¹⁾	LVL 0-10V Dimming Leads for Easy Field Access
								ZLDS Leviton Intellect DALI Sensor with Dimming/Occupancy/Daylight Harvesting with Newtork Capabilities ⁽⁴⁾	BAA Buy American Act Compliant
								ZL7S Leviton Intellect 0-10V Sensor with Dimming/Occupancy/Daylight Harvesting with Newtork Capabilities ⁽⁴⁾	
								ZLDC Leviton Intellect DALI Fixture Controller with Newtork Capabilities ⁽⁴⁾	
								ZL7C Leviton Intellect 0-10V Fixture Controller with Newtork Capabilities ⁽⁴⁾	
								ZENLO Enlighted Micro Sensor with Dimming/ Occupancy/Daylight Harvesting and Enlighted One System ⁽⁴⁾	
								ZENLC Enlighted Micro Sensor with Dimming/ Occupancy/Daylight Harvesting and Enlighted Connected System ⁽⁴⁾	
								ZENLI Enlighted Micro Sensor with Dimming/ Occupancy/Daylight Harvesting and Enlighted IoT System ⁽⁴⁾	

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 G2 4 MD UV CPA 940-9" EM10 → 141.7 LPW x 10W = 1,417 lm

Controls Accessories (order separately)



For Leviton Programmable Sensor
ZLSOR-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-U2W 4-Button Wireless Wall Controller
DRKDN-U8W 8-Button Wireless Wall Controller



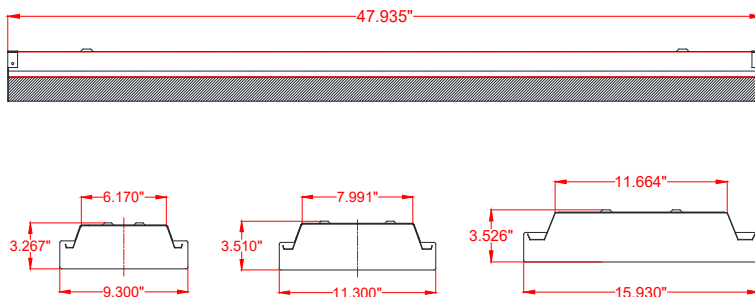
For Enlighted Controls
WS-2-00 Enlighted Remote Control Wall Switch
(for Enlighted Connected & IoT)
WS-2-00-IL Enlighted Remote Control Wall Switch
(for Enlighted One)



Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
EWL G2 4 SL UV CPA 9xx-9"	15.6	2049.6	131.8	2058.2	132.3	2107.1	135.5	2107.1	135.5
EWL G2 4 VL UV CPA 9xx-9"	28.5	3994.5	139.9	4011.3	140.5	4106.6	143.9	4106.6	143.9
EWL G2 4 LW UV CPA 9xx-9"	35.9	4979.4	138.5	5000.4	139.1	5119.1	142.4	5119.1	142.4
EWL G2 4 MD UV CPA 9xx-9"	43.1	5937.0	137.8	5962.1	138.4	6103.7	141.7	6103.7	141.7
EWL G2 4 HI UV CPA 9xx-9"	59.6	7884.0	132.2	7917.2	132.8	8105.3	135.9	8105.3	135.9
EWL G2 4 VH UV CPA 9xx-9"	69.7	9841.2	141.2	9882.7	141.8	10117.5	145.2	10117.5	145.2

Schematic:



The EWL G2 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
ZSQL	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)
ZENLO	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Upgradable to Connected (ZENLC) or IoT (ZENLI)	Wireless Bluetooth Low Energy Mesh, Programmable via Enlighted Room Controller WS-2-00-IL (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



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



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 smart-phone – 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 EWL'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



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.**

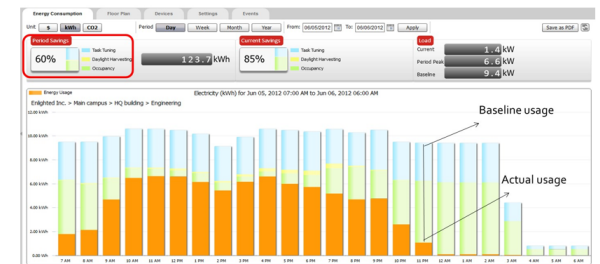
Enlighted sensors come standard with the Enlighted One system (the "ZENLO" option). Enlighted Connected ("ZENLC") offers even more options. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Each system can be fully upgraded to the next tier in the future. So if you start with Enlighted One but want to add energy reporting or building management systems integration in the future, you can.



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



Enlighted Capabilities*	Enlighted One (ZENLO)	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 & Beacons			✓
Future App & API Ready			✓

Note: Additional equipment required for ZENLC and ZENLI

Learn more about our available advanced controls options here:

www.lumenfocus.com/controls-overview

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