

**Note:** This product has been discontinued and replaced with the EWLS G2.



Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat. #: \_\_\_\_\_  
Type: \_\_\_\_\_  
Quantity: \_\_\_\_\_

## LED

## EWL N 8 | LED 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

### Applications:

Suitable for industrial, retail, and institutional applications

- Warehouse
- Manufacturing Facility
- Stock Room
- Classroom

### Ambient Operating Temp:

- -30°C to 40°C

### Predicted L70 Lifetime:

- Up to 189,000 hrs (calculated)
  - For BAA compliant configurations - up to 189,000 hrs (calculated)
- (L70 information for specific configurations available upon request)*

### Construction:

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

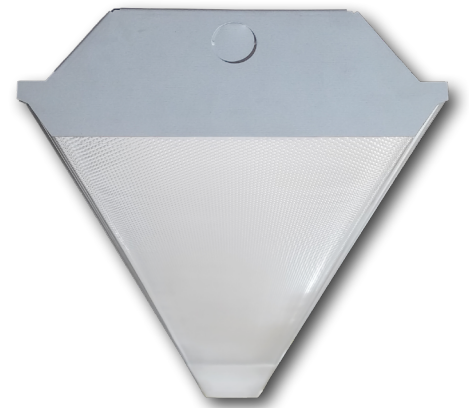
### Certifications:

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



### Warranty:

- 5 year limited system warranty - see [www.LumenFocus.com](http://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.)*



Ordering Guide:

example: EWL N 8 MD UV CPA 840 QC

Series	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Options																		
EWL N	8			CPA																						
EWL N	8 8'	<b>SL</b> Super Low	<b>UV</b> 120-277	<b>CPA</b> Clear Prismatic Acrylic	<b>830</b> 80 CRI/3000K	<b>Blank</b> None	<b>Blank</b> No Controls	<b>Blank</b> No Options																		
		<b>VL</b> Very Low							<b>34</b> 347V	<b>835</b> 80 CRI/3500K	<b>VC</b> V-Chain Hangers	<b>ZOS</b> Occupancy Sensor (On/Off)	<b>EXT10</b> 10-Year Extended Warranty <sup>(4)</sup>													
		<b>LW</b> Low												<b>840</b> 80 CRI/4000K	<b>QC</b> 10' Quick Hang Cable Kit	<b>Z221BL_</b> Wattstopper Programmable Photo/Motion Multi-Voltage Sensor (high/low/off) <sup>(1)</sup>	<b>F</b> Fuse									
		<b>MD</b> Medium																<b>850</b> 80 CRI/5000K	<b>QC15</b> 15' Quick Hang Cable Kit	<b>Z321BL_</b> Wattstopper Bluetooth-enabled Programmable Photo/Motion Multi-Voltage Sensor (high/low/off) <sup>(1)</sup>	<b>EM1</b> Emergency Pack - Up to 8W <sup>(5)</sup>					
		<b>HI</b> High																				<b>QC20</b> 20' Quick Hang Cable Kit	<b>ZOSM</b> Microwave Occupancy Sensor	<b>EM2</b> Emergency Pack - Up to 16W <sup>(5)</sup>		
		<b>VH</b> Very High																							<b>ZPC</b> Photocell	<b>CC</b> Conformal Coating
		<b>SH</b> Super High																								
	<b>ZIFC</b> Douglas IFC Controller with Newtork Capabilities <sup>(2)</sup>	<b>ZENLO</b> Enlighted One Micro Sensor with Dimming/Occupancy/Daylight Harvesting <sup>(3)</sup>	<b>BAA</b> Buy American Act Compliant																							
				<b>ZENLC</b> Enlighted Connected Micro Sensor with Dimming/Occupancy/Daylight Harvesting <sup>(3)</sup>	<b>ZENLI</b> Enlighted IoT Micro Sensor with Dimming/Occupancy/Daylight Harvesting <sup>(3)</sup>																					

Notes

- <sup>(1)</sup> " \_ " = lens type. See Page 3 for lens descriptions.
- <sup>(2)</sup> Max ceiling height for Douglas sensors: 16.4 feet. See Page 4 for more details on advanced controls.
- <sup>(3)</sup> Max ceiling height for Enlighted sensors: 15 feet. See Page 4 for more details on advanced controls.
- <sup>(4)</sup> Not available on all models. Certain conditions apply. Consult factory or sales representative for details.
- <sup>(5)</sup> EM1 and EM2: 120-277V / 0°C-50°C ambient.

Controls Accessories (order separately)

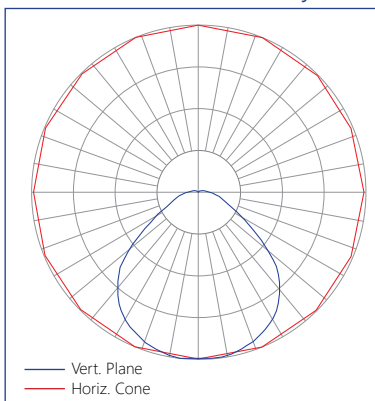
-  **For Douglas Controls**  
 BT-DMSW-U-A Bluetooth 1 Zone Dimmer  
 BT-4BTSW-U-A Bluetooth 4-Button Wall Station  
 BT-8BTSW-U-A Bluetooth 8-Button Wall Station
-  **For Enlighted Controls**  
 WS-2-00 Enlighted Remote Control Wall Switch (for Enlighted Connected & IoT)  
 WS-2-00-IL Enlighted Remote Control Wall Switch (for Enlighted One)

Performance Chart:

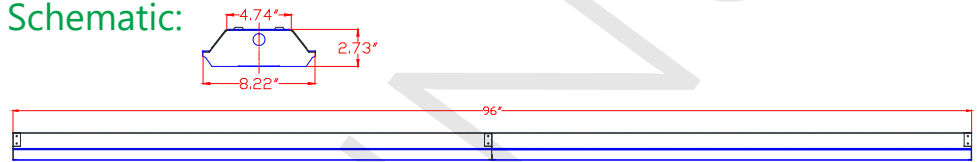
Catalog #	Watts	Lumens (830)	LPW (830)	Lumens (835)	LPW (835)	Lumens (840)	LPW (840)	Lumens (850)	LPW (850)
EWL N 8 SL UV CPA xxx	30	4005	134.3	4072	136.6	4207	141.1	4333	145.3
EWL N 8 VL UV CPA xxx	47	5921	126.9	6020	129.1	6219	133.3	6406	137.3
EWL N 8 LW UV CPA xxx	58	7895	135.7	8027	137.9	8293	142.5	8541	146.8
EWL N 8 MD UV CPA xxx	76	9910	131.0	10077	133.2	10410	137.6	10722	141.7
EWL N 8 HI UV CPA xxx	94	11804	125.7	12002	127.8	12399	132.0	12771	136.0
EWL N 8 VH UV CPA xxx	109	13693	126.0	13923	128.2	14383	132.4	14815	136.4
EWL N 8 SH UV CPA xxx	120	15723	131.3	15988	133.5	16516	137.9	17012	142.1

Photometric Data:

Relative Luminous Intensity

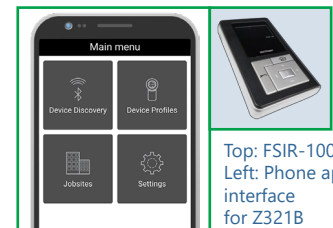


Schematic:



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



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

LUMENFOCUS  
Re-boardABILITY

The EWL N 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.](#)



## Douglas Lighting Controls, Inc.: Cloud-based controls

The EWL N can be equipped with the Douglas Bluetooth Intelligent Fixture Sensor (IFS) as well as the Intelligent Fixture Controller. Max mounting height is 16.4 feet.



### IFS

- Occupancy, vacancy, partial-on and partial-off
- Occupancy timeout adjustable from 5 to 90 minutes
- Primary and secondary daylight harvesting



### IFC

- Listed for emergency control when used on dedicated emergency power bus
- Same occupancy and daylight controls as the IFS when networked with one or more IFS sensors

### Available with both IFS and IFC:

- 0-10V dimming with dim-to-off
- Bluetooth beacon for digital ceiling, IoT and location service strategies
  - 150-foot clear line of sight, 50 feet through standard walls
- May be used with dual-channel, tunable white LED drivers providing auxiliary power and dim-to-off capability
  - Commissioning through Douglas Lighting Controls, Inc. app from Apple app store
  - **Note:** Additional equipment required for IoT capabilities

## CheckLight® Energy Management System

Douglas controls can be integrated with the CheckLight® Energy Management system. This system can help you uncover energy conversion opportunities, create conservation strategies, analyze lighting load inefficiencies, and make configuration changes from anywhere with Douglas' user-friendly interface. You can get measurements, reports, and control your system from a web-based application.

CheckLight® has the capability to look at different facilities within a portfolio and use data benchmarks to compare building performances.

- Find energy conservation opportunities
- Create energy saving strategies
- Analyze load inefficiencies
- Optimize energy management

## 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.

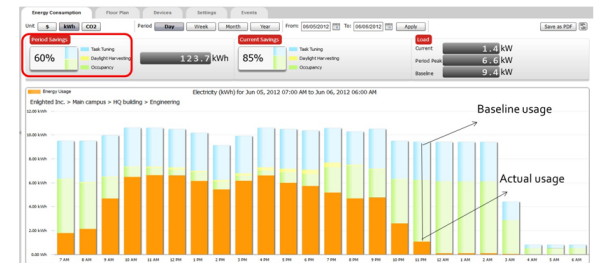
Enlighted sensors come standard with the Enlighted One system (the "ZENLO" option). Enlighted Connected ("ZENLC") offers even more options. The Enlighted IoT ("ZENLI") option allows the full implementation of Enlighted's services. Each system can be fully upgraded to the next tier in the future. So if 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 ZENLC and ZENLI

Learn more about our available advanced controls options here:  
[www.lumenfocus.com/controls-overview](http://www.lumenfocus.com/controls-overview)

© 2022 Enlighted for all Enlighted content and images.  
 © 2022 Douglas Lighting Controls, Inc. for all Douglas content and images. The Bluetooth® word, mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Douglas Lighting Controls is under license. Other trademarks and trade names are those of their respective owners.

