LUMENFOCUS

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

90+ CRI

POWER SELECT LED

ECL G2 4 Power Select | LED Strip

Features:
- High performance LED technology
- Field selectable output
- 90+ CRI Standard
- 0-10V dimming drivers standard
- Field replaceable LED boards and drivers
- Frosted diffuser available to help minimize glare and improve aesthetics
- A wide variety of lumen packages and lengths allows for flexibility in design and helps maximize energy savings
- Saves on installation cost, material cost, and waste
- Buy American Act compliant *(All base luminaires are BAA compliant. Addition of options may change eligibility. Contact factory for details.)*

Applications:
Suitable for most commercial, industrial and institutional applications
- Office
- Retail
- Warehouse
- Coves
- Valences

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

Construction:
- Precision brake formed from heavy gauge cold rolled steel
- Highly durable, highly reflective white finish

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

c UL us

Predicted Lifetime:
- L70: ≥ 129,000 hrs (calculated)
- L80: ≥ 81,000 hrs (calculated)
- L90: ≥ 39,000 hrs (reported)
- 85% lumen maintenance @ 60,000 hrs *(based on LM80 and insitu laboratory testing)*
- Driver: 85,000 hrs at 120V input, 100% load and 60ºC/140ºF case temperature

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

MADE IN USA
USING DOMESTIC AND FOREIGN COMPONENTS

BAA — BUY AMERICAN ACT COMPLIANT

Ordering Guide:

example: ECL G2 4 SEL45 UV FR 940 ZOSMD

Series	Version	Length	Output	Voltage	Shielding	CRI/CCT	Hanging	Controls	Options	Finish
ECL	G2	4		UV						
ECL	**G2** Gen 2	**4** 4'	**SEL15** 15W Selectable Output	**UV** 120-277	**Blank** No Lenses	**930** 90 CRI/3000K	**Blank** None	**Blank** No Controls	**Blank** No Options	**Blank** White
			SEL25 25W Selectable Output		**FR** Frosted Acrylic Diffusers	**935** 90 CRI/3500K	**VC** V-Chain Hangers	**ZOSMD** Microwave Daylight/Motion Sensor With Step-Dimming (High/Low/Off) [1]	**C6** 6' Single Circuit Cord	**BK** Matte Black
			SEL35 35W Selectable Output			**940** 90 CRI/4000K	**QC** 10' Quick Hang Cable Kit	**ZLD1** Leviton Bluetooth-enabled Programmable Dimming/ Occupancy/Daylight Harvesting Sensor with Grouping [1]	**C65W** 6' Single Circuit Cord with Low Voltage Connections	**SL** Metallic Silver
			SEL45 45W Selectable Output			**950** 90 CRI/5000K	**QC20** 20' Quick Hang Cable Kit	**ZLDU** Leviton Bluetooth-enabled Programmable Dimming/ Occupancy/Daylight Harvesting Sensor with Grouping, Scheduling [1]	**C10** 10' Single Circuit Cord	
			SEL75 75W Selectable Output				**SH** Slide Hanger	**Z211L_** Wattstopper FSP Programmable Photo/Motion Multi-Voltage Sensor (high/low/off) [2]	**C105W** 10' Single Circuit Cord with Low Voltage Connections	
								Z311L_ Wattstopper FSP Bluetooth-enabled Programmable Photo/Motion Multi-Voltage Sensor (high/low/off) [2]	**D6** 6' Dual Circuit Cord	
									D10 10' Dual Circuit Cord	
									P(NEMA) Plug (Specify NEMA configuration)	
									SC Safety Cable	
									F Fuse	
									EM6 6.5W Emergency Pack [3]	
									EM10 10W Emergency Pack [3]	
									EM14 14W Emergency Pack [3]	
									QWH(_) Quick Wire Harness [4]	
									SDT(480V) 480V to 277V Step Down Transformer	
									CC Conformal Coating	
									LVL 0-10V Dimming Leads for Easy Field Access	
									BAA Buy American Act Compliant	

Notes

[1] See Page 5 for more details.
[2] "_" = lens type. See Page 5 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. ECL G2 4 SEL15 UV 940 EM10 → 159.9 LPW x 10W = 1,599 lm
[4] "_" for 2-circuit wiring, specify circuit A or B here.

Accessories *(order separately)*

WG(ECL4)   Wire Guard
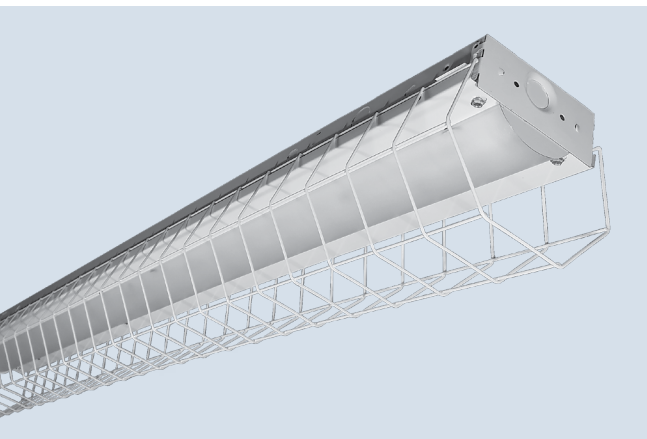
Controls Accessories *(order separately)*

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

Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
ECL G2 4 SEL15 UV 9xx	9.0	1392.3	155.5	1398.2	156.2	1431.4	159.9	1431.4	159.9
	10.3	1603.4	155.2	1610.2	155.9	1648.4	159.6	1648.4	159.6
	12.2	1884.3	154.7	1892.3	155.3	1937.2	159.0	1937.2	159.0
	13.6	2094.2	154.2	2103.0	154.8	2153.0	158.5	2153.0	158.5
ECL G2 4 SEL25 UV 9xx	14.8	2385.5	161.5	2395.5	162.2	2452.4	166.0	2452.4	166.0
	17.3	2787.7	161.0	2799.4	161.7	2865.9	165.5	2865.9	165.5
	19.9	3189.1	160.5	3202.6	161.2	3278.6	165.0	3278.6	165.0
	22.5	3589.2	159.8	3604.3	160.5	3689.9	164.3	3689.9	164.3
ECL G2 4 SEL35 UV 9xx	24.2	3987.0	164.6	4003.8	165.3	4098.9	169.2	4098.9	169.2
	26.8	4381.8	163.8	4400.2	164.4	4504.8	168.4	4504.8	168.4
	29.3	4772.8	162.8	4793.0	163.5	4906.8	167.4	4906.8	167.4
	31.9	5159.4	161.8	5181.1	162.5	5304.2	166.3	5304.2	166.3
ECL G2 4 SEL45 UV 9xx	34.9	5540.6	158.9	5564.0	159.5	5696.1	163.3	5696.1	163.3
	37.5	5915.8	157.7	5940.8	158.3	6081.9	162.1	6081.9	162.1
	40.2	6284.2	156.4	6310.7	157.0	6460.6	160.8	6460.6	160.8
	42.9	6645.0	155.0	6673.0	155.6	6831.5	159.3	6831.5	159.3
ECL G2 4 SEL75 UV 9xx	54.8	8621.2	157.2	8657.6	157.9	8863.2	161.6	8863.2	161.6
	60.2	9330.2	155.0	9369.5	155.6	9592.1	159.3	9592.1	159.3
	65.6	10011.9	152.6	10054.1	153.2	10292.9	156.9	10292.9	156.9
	71.1	10662.7	150.0	10707.7	150.6	10962.0	154.2	10962.0	154.2
ECL G2 4 SEL15 UV FR 9xx	9.0	1324.6	148.0	1330.2	148.6	1361.8	152.1	1361.8	152.1
	10.3	1525.4	147.7	1531.9	148.3	1568.3	151.8	1568.3	151.8
	12.2	1792.7	147.2	1800.3	147.8	1843.0	151.3	1843.0	151.3
	13.6	1992.4	146.7	2000.8	147.3	2048.3	150.8	2048.3	150.8
ECL G2 4 SEL25 UV FR 9xx	14.8	2269.5	153.6	2279.1	154.3	2333.2	157.9	2333.2	157.9
	17.3	2652.1	153.2	2663.3	153.8	2726.5	157.5	2726.5	157.5
	19.9	3034.1	152.7	3046.9	153.3	3119.2	157.0	3119.2	157.0
	22.5	3414.6	152.1	3429.0	152.7	3510.5	156.3	3510.5	156.3
ECL G2 4 SEL35 UV FR 9xx	24.2	3793.1	156.6	3809.1	157.3	3899.6	161.0	3899.6	161.0
	26.8	4168.7	155.8	4186.3	156.5	4285.7	160.2	4285.7	160.2
	29.3	4540.8	154.9	4559.9	155.6	4668.2	159.2	4668.2	159.2
	31.9	4908.5	153.9	4929.2	154.6	5046.3	158.2	5046.3	158.2
ECL G2 4 SEL45 UV FR 9xx	34.9	5271.2	151.1	5293.4	151.8	5419.2	155.4	5419.2	155.4
	37.5	5628.2	150.0	5651.9	150.6	5786.1	154.2	5786.1	154.2
	40.2	5978.6	148.8	6003.8	149.4	6146.4	152.9	6146.4	152.9
	42.9	6321.9	147.4	6348.5	148.1	6499.3	151.6	6499.3	151.6
ECL G2 4 SEL75 UV FR 9xx	54.8	8202.0	149.6	8236.6	150.2	8432.2	153.8	8432.2	153.8
	60.2	8876.5	147.5	8914.0	148.1	9125.7	151.6	9125.7	151.6
	65.6	9525.0	145.2	9565.2	145.8	9792.4	149.2	9792.4	149.2
	71.1	10144.3	142.7	10187.0	143.3	10429.0	146.7	10429.0	146.7

Photometric Data:

Relative Luminous Intensity with FR lens

— Vert. Plane
— Horiz. Cone
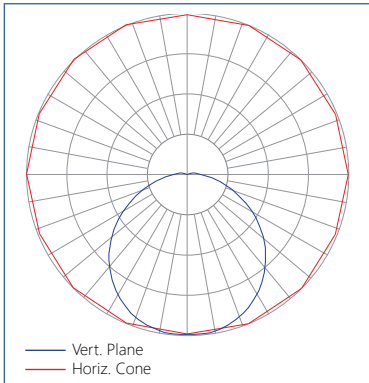
Relative Luminous Intensity without FR lens

— Vert. Plane
— Horiz. Cone

Schematic:

47.875

2.000

4.500
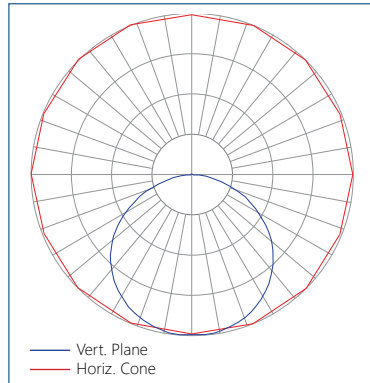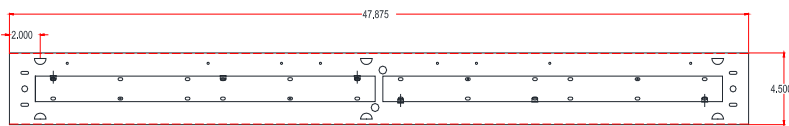
Options:

Shielding Frosted acrylic diffuser lenses minimize glare and improve aesthetics.

Conformal coating Grants LED boards added protection from moisture and corrosion in more hazardous environments.
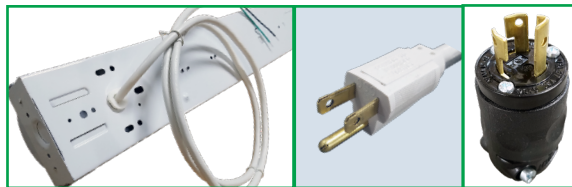
Cords are available in single circuit or dual circuit, 6' or 10'. Standard plug is optional, as are other NEMA configurations if specified.

Wireguards are available for added protection (shipped separately).

Hanging The QC hanging kit (1) comes in 10' or 20'. Cables are pre-looped for easy installation and designed for easy fixture height adjustment. V-hangers and slide hangers are also optional.
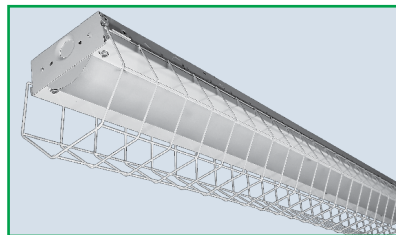
Finish in addition to the standard white finish, the ECL G2 is also available in matte black (pictured) and metallic silver.

LUMENFOCUS

Controls Summary:

Control Code	Type	Capabilities	Communication
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V
ZLD1	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)
ZLDU	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim, Grouping, Scheduling	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)
Z211Lx	Motion (PIR), Photosensor	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via IR remote (sold separately)
Z311Lx	Motion (PIR), Daylight Harvesting	High/Low/Off, High-End Trim	Wired 0-10V, Programmable via Bluetooth App (iOS, Android)

Dimming Sensors (Z211/Z311)

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Comes pre-installed on the fixture
- Rated for cold locations
- Parameters for Bluetooth-enabled Z311 adjustable via phone app - iOS or Android
- Parameters for Z211 adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Available with black lens for black finishes (pictured right)
- Two 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**
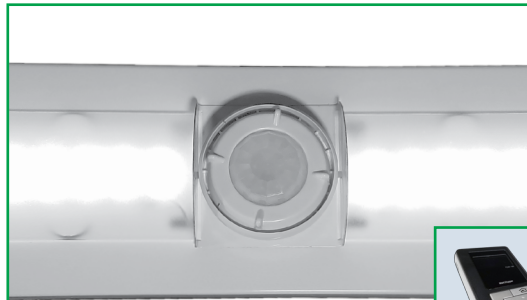
The Wattstopper FSP sensor integrated with the ECL.

FSIR-100

Phone app interface for Z311 sensor

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 ECL G2's frosted 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 40 feet.**

Smart Sensors (ZLD1/ZLDU)

The ZLDx 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 ZLDU only), single-level switching
- Comes pre-installed on the center face of the fixture
- Rated for cold locations
- Configurable through the Leviton Smart Sensor App using a smartphone or other Bluetooth-enabled iOS or Android device

LUMENFOCUS
Re-boardABILITY

The ECL 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.