

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



RCL G2 2 Power Select | LED Channel Retrofit Kit

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



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 60°C/140°F case temperature

Warranty:

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



Ordering Guide:

example: RCL G2 2 SEL35 UV FR 940 4.25" ZOSMD EM10

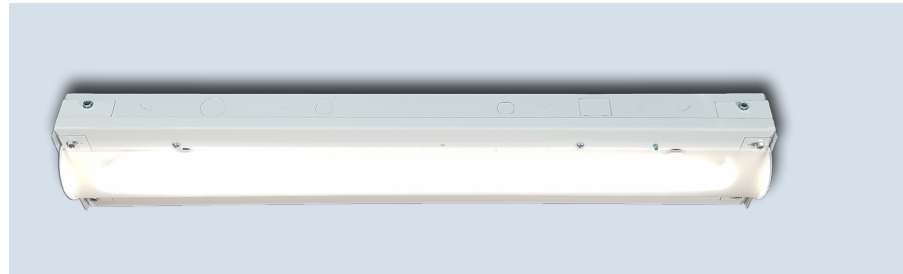
Series	Version	Length	Output	Voltage	Shielding	CRI/CCT	Channel Width	Controls	Options
RCL	G2	2		UV					
RCL	G2 Gen 2	2 2'	SEL15 15W Selectable Output SEL25 25W Selectable Output SEL35 35W Selectable Output SEL45 45W Selectable Output	UV 120-277	Blank No Lenses FR Frosted Acrylic Diffusers	930 90 CRI/3000K 935 90 CRI/3500K 940 90 CRI/4000K 950 90 CRI/5000K	x.xx" Specify Channel Width (in inches) VAR Variable - Adjusts to fit channel widths from 4.00" to 5.00"	Blank No Controls ZOSMD Microwave Occupancy Sensor with Photocell (On/Off/Dim) ⁽¹⁾	Blank No Options EM6 6.5W Emergency Pack ⁽²⁾ EM10 10W Emergency Pack ⁽²⁾ EM14 14W Emergency Pack ⁽²⁾ CC Conformal Coating LVL 0-10V Dimming Leads for Easy Field Access BAA Buy American Act Compliant

Notes

- ⁽¹⁾ 120-277V only. See page 4 for more details.
- ⁽²⁾ 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. RCL G2 2 SEL15 UV 940 EM10 → 155.3 LPW x 10W = 1,553 lm

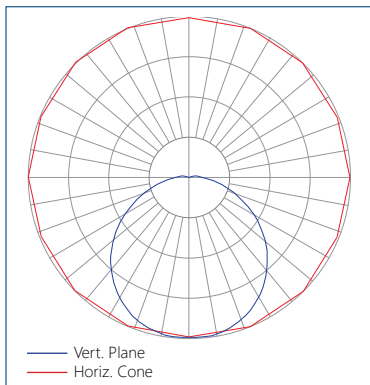
Accessories (order separately)

STD(480V) 480V to 277V Step Down Transformer

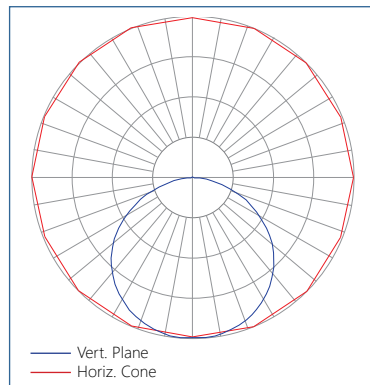


Photometric Data:

Relative Luminous Intensity with FR lens



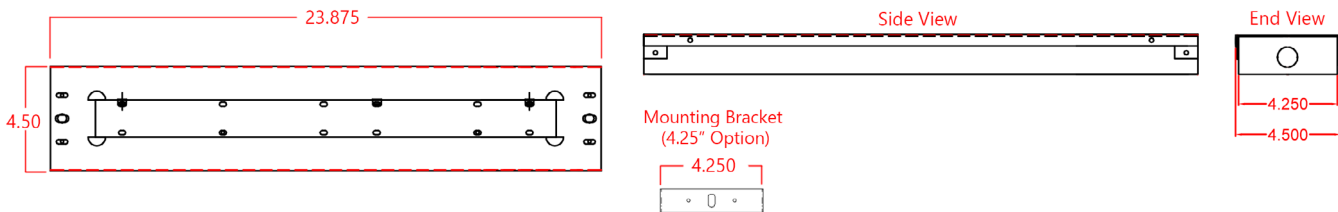
Relative Luminous Intensity without FR lens



Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
RCL G2 2 SEL15 UV 9xx	9.2	1384.6	151.0	1390.5	151.7	1423.5	155.3	1423.5	155.3
	10.6	1585.2	149.3	1591.9	149.9	1629.7	153.5	1629.7	153.5
	12.6	1843.9	146.4	1851.6	147.1	1895.6	150.5	1895.6	150.5
	14.1	2029.5	144.0	2038.1	144.6	2086.5	148.0	2086.5	148.0
RCL G2 2 SEL25 UV 9xx	15.2	2373.6	156.5	2383.6	157.2	2440.2	160.9	2440.2	160.9
	17.8	2755.4	154.5	2767.0	155.1	2832.7	158.8	2832.7	158.8
	20.6	3125.2	152.0	3138.4	152.7	3212.9	156.3	3212.9	156.3
	23.3	3479.9	149.2	3494.5	149.9	3577.5	153.4	3577.5	153.4
RCL G2 2 SEL35 UV 9xx	24.8	3922.9	158.3	3939.5	159.0	4033.0	162.8	4033.0	162.8
	27.4	4287.4	156.4	4305.5	157.0	4407.7	160.7	4407.7	160.7
	30.1	4640.0	154.2	4659.5	154.8	4770.2	158.5	4770.2	158.5
	32.8	4979.0	151.8	5000.0	152.4	5118.7	156.0	5118.7	156.0
RCL G2 2 SEL45 UV 9xx	30.5	4822.1	157.9	4842.4	158.6	4957.4	162.3	4957.4	162.3
	32.9	5148.4	156.7	5170.1	157.3	5292.9	161.1	5292.9	161.1
	35.2	5468.9	155.4	5491.9	156.0	5622.4	159.7	5622.4	159.7
	37.6	5782.7	154.0	5807.1	154.6	5945.0	158.3	5945.0	158.3
RCL G2 2 SEL15 UV FR 9xx	9.2	1310.0	142.9	1315.5	143.5	1346.8	146.9	1346.8	146.9
	10.6	1499.8	141.2	1506.1	141.8	1541.9	145.2	1541.9	145.2
	12.6	1744.5	138.5	1751.8	139.1	1793.4	142.4	1793.4	142.4
	14.1	1920.2	136.2	1928.3	136.8	1974.1	140.1	1974.1	140.1
RCL G2 2 SEL25 UV FR 9xx	15.2	2245.7	148.1	2255.1	148.7	2308.7	152.3	2308.7	152.3
	17.8	2606.9	146.1	2617.9	146.8	2680.1	150.2	2680.1	150.2
	20.6	2956.8	143.8	2969.2	144.4	3039.7	147.9	3039.7	147.9
	23.3	3292.3	141.2	3306.2	141.8	3384.8	145.2	3384.8	145.2
RCL G2 2 SEL35 UV FR 9xx	24.8	3711.5	149.8	3727.2	150.4	3815.7	154.0	3815.7	154.0
	27.4	4056.3	147.9	4073.4	148.6	4170.2	152.1	4170.2	152.1
	30.1	4389.9	145.9	4408.4	146.5	4513.1	149.9	4513.1	149.9
	32.8	4710.6	143.6	4730.5	144.2	4842.9	147.6	4842.9	147.6
RCL G2 2 SEL45 UV FR 9xx	30.5	4562.2	149.4	4581.4	150.0	4690.3	153.6	4690.3	153.6
	32.9	4871.0	148.2	4891.5	148.9	5007.7	152.4	5007.7	152.4
	35.2	5174.2	147.0	5196.0	147.6	5319.4	151.1	5319.4	151.1
	37.6	5471.1	145.7	5494.2	146.3	5624.7	149.8	5624.7	149.8

Schematic:



Controls Summary:

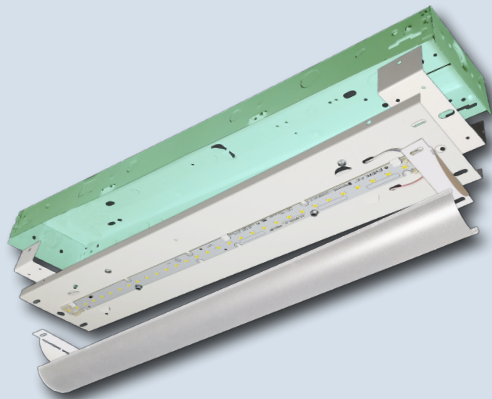
Control Code	Type	Capabilities	Communication
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V

LLC = Luminaire Level Lighting Control

* Additional equipment required. Contact LumenFocus representative for details

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 RCL 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.**



LUMENFOCUS Re-boardABILITY

The RCL 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.](#)

