LUMENFOCUS

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

90+ CRI   LED

RTL G2 22 | LED Troffer Retrofit Kit

Features:
• High performance LED technology
• 90+ CRI standard
• 0-10V dimming drivers standard
• Field replaceable LED boards and drivers
• Frosted diffuser available to help minimize glare and improve aesthetics
• Available in multiple lumen output packages for maximum flexibility
• Easy lift and shift installation saves on labor costs
• Buy American Act compliant *(All base luminaires are BAA compliant. Addition of options may change eligibility. Contact factory for details.)*

Applications:
For use in existing 2x2 troffer luminaires.
• Office
• Retail
• Classrooms
• Healthcare Facilities

Predicted Lifetime:
• L70 ≥ 131,000 hrs (calculated)
• L90 ≥ 40,000 hrs (reported)
(based on LM-80, TM-21 and in-situ laboratory testing)

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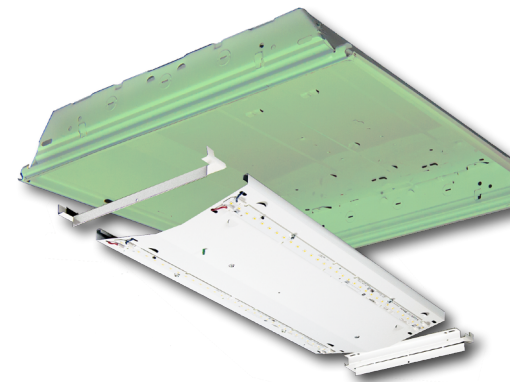• Highly durable, highly reflective white finish

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

c(UL)us

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

Ordering Guide:

example: RTL G2 22 LW UV FR 940 ZOSMD EM6

Series	Size	Output	Voltage	Shielding	CRI/CCT	Controls	Options
RTL G2	22						
RTL G2 RTL Gen2	**22** 2' x 2'	**SL** Super Low	**UV** 120-277	**Blank** No Shielding	**930** 90 CRI/3000K	**Blank** No Controls	**Blank** No Options
		VL Very Low	**34** 347V	**FR** Frosted Acrylic Diffusers	**935** 90 CRI/3500K	**ZOSMD** 0-10V Dimming Mircowave Occupancy Sensor[1]	**EXT10** 10-Year Extended Warranty [3]
		LW Low			**940** 90 CRI/4000K	**ZLDC** Leviton Intellect DALI Fixture Controller with Newtork Capabilities[2]	**EM6** 6.5W Emergency Pack[4]
		MD Medium			**950** 90 CRI/5000K	**ZL7C** Leviton Intellect 0-10V Fixture Controller with Newtork Capabilities[2]	**EM10** 10W Emergency Pack[4]
		HI High					**EM14** 14W Emergency Pack[4]
							LVL 0-10V Dimming Leads for Easy Field Access
							BAA Buy American Act Compliant

Notes

[1] 120-277V only. See page 3 for more details.
[2] See page 3 for more details.
[3] Not available on all models. Certain conditions apply. Consult factory or sales representative for details.
[4] 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. RTL G2 22 MD UV 940 EM10 → 156.5 LPW x 10W = 1,565 lm

Accessories *(order separately)*

• **A12(x)**   Pattern 12 Prismatic Acrylic Lens (x = specify exact dimensions)
• **A23F(x)**   Frosted High Efficiency Pattern 23 Prismatic Acrylic Lens (x = specify exact dimensions)

Controls Accessories *(order separately)*
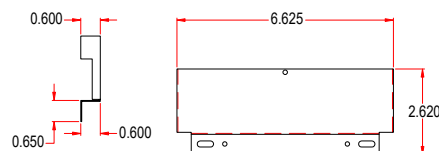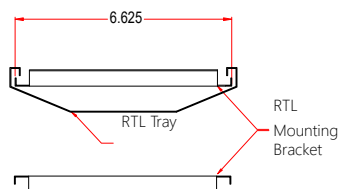
For Leviton Intellect Controls
DRKDN-U1W   1-Button Wireless Wall Controller
DRKDN-U2W   2-Button Wireless Wall Controller
DRKDN-U2W   4-Button Wireless Wall Controller
DRKDN-U8W   8-Button Wireless Wall Controller

Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
RTL G2 22 SL UV 9xx	16.3	2362.9	145.3	2372.9	145.9	2429.2	149.3	2429.2	149.3
RTL G2 22 VL UV 9xx	23.6	3501.4	148.2	3516.2	148.8	3599.7	152.4	3599.7	152.4
RTL G2 22 LW UV 9xx	30.4	4676.4	154.1	4696.1	154.7	4807.6	158.4	4807.6	158.4
RTL G2 22 MD UV 9xx	38.2	5818.2	152.2	5842.7	152.8	5981.5	156.5	5981.5	156.5
RTL G2 22 HI UV 9xx	46.6	6969.8	149.5	6999.1	150.1	7165.4	153.7	7165.4	153.7

Adjustment Factor: FR diffuser = 0.958

Schematic:

6.625

RTL Tray

RTL Mounting Bracket

0.600

0.650 — 0.600

6.625

2.620

Controls Summary:

Control Code	Type	Capabilities	Communication
ZOSMD	Motion (Microwave), Photosensor	On/Low/Off	Wired 1-10V
ZLxC	Controller, No Sensors	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)

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

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.

ZLxC

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

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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

LumenFocus Re-boardABILITY

The RTL 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.

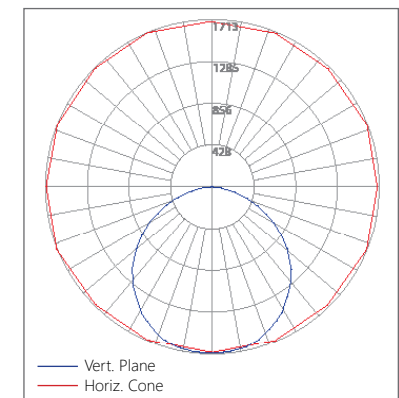## ZOSMD option: Leviton 0-10V High Frequency Microwave Sensor

The RTL G2 can be equipped with an integrated Leviton 0-10V dimming high frequency microwave sensor ("ZOSMD" option). The ZOSMD detects motion through low density materials allowing it to be installed out of site, under the lens. The high frequency waves offer less interference and false tripping than traditional sensing technology for reliable occupancy applications. The integrated daylighting sensor detects natural light and turns lights ON or keeps lights OFF in response to available natural light or the daylight set point when motion is detected.

• Automatic switching or dimming based on motion
• Ambient light override
• Designed to detect movement behind low-density fixture materials or behind objects made of plastic or glass
• Up to 40' mounting height
• Detection Zone: 52' diameter x 49' Height Max
• Standby Dimming Level: 10% / 20% / 30% / 50%
• IP20 rated
• 120-277V

Photometric Data:
Relative Luminous Intensity

Vert. Plane
Horiz. Cone

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LumenFocus reserves the right to change specifications without notice. Consult factory for most up to date specifications.
www.lumenfocus.com
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