

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



## RTL G2 24 | 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 2x4 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

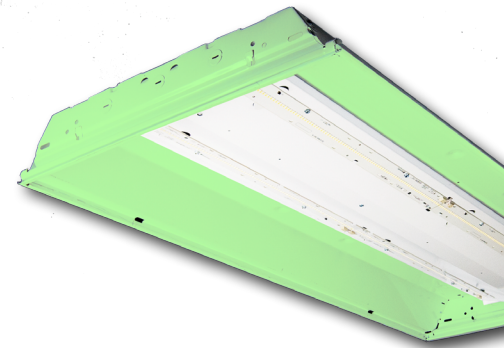
### Certifications:

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



### 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: RTL G2 24 LW UV FR 940 ZOSMD EM6

Series	Size	Output	Voltage	Shielding	CRI/CCT	Controls	Options
RTL G2	24						
RTL G2 RTL Gen2	24 2' x 4'	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 Microwave Occupancy Sensor <sup>(1)</sup>	EXT10 10-Year Extended Warranty <sup>(3)</sup>
		LW Low			940 90 CRI/4000K	ZLDC Leviton Intellect DALI Fixture Controller with Nework Capabilities <sup>(2)</sup>	EM6 6.5W Emergency Pack <sup>(4)</sup>
		ML Medium Low			950 90 CRI/5000K	ZL7C Leviton Intellect 0-10V Fixture Controller with Nework Capabilities <sup>(2)</sup>	EM10 10W Emergency Pack <sup>(4)</sup>
		MD Medium					EM14 14W Emergency Pack <sup>(4)</sup>
		HI High					LVL 0-10V Dimming Leads for Easy Field Access
		VH Very High					BAA Buy American Act Compliant
SH Super High							

Notes

- <sup>(1)</sup> 120-277V only. See page 3 for more details.
- <sup>(2)</sup> See page 3 for more details.
- <sup>(3)</sup> Not available on all models. Certain conditions apply. Consult factory or sales representative for details.
- <sup>(4)</sup> 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 24 MD UV 940 EM10 → 15.74 LPW x 10W = 1,574 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-U4W 4-Button Wireless Wall Controller
  - DRKDN-U8W 8-Button Wireless Wall Controller

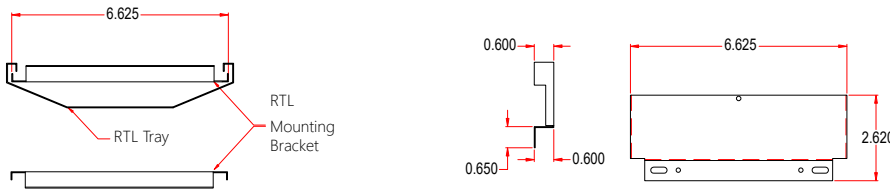
Performance Chart:

Catalog #	Watts	Lumens (930)	LPW (930)	Lumens (935)	LPW (935)	Lumens (940)	LPW (940)	Lumens (950)	LPW (950)
RTL G2 24 SL UV 9xx	22.9	3544.1	154.5	3559.1	155.1	3643.6	158.8	3643.6	158.8
RTL G2 24 VL UV 9xx	28.5	4449.4	155.9	4468.2	156.5	4574.3	160.2	4574.3	160.2
RTL G2 24 LW UV 9xx	31.9	5001.0	156.8	5022.0	157.4	5141.3	161.1	5141.3	161.1
RTL G2 24 ML UV 9xx	37.7	5816.4	154.2	5841.0	154.8	5979.7	158.5	5979.7	158.5
RTL G2 24 MD UV 9xx	45.3	6938.4	153.1	6967.6	153.8	7133.1	157.4	7133.1	157.4
RTL G2 24 HI UV 9xx	54.3	8129.9	149.7	8164.1	150.3	8358.0	153.9	8358.0	153.9
RTL G2 24 VH UV 9xx	58.6	9275.1	158.2	9314.2	158.8	9535.4	162.6	9535.4	162.6
RTL G2 24 SH UV 9xx	66.1	10430.7	157.8	10474.7	158.5	10723.5	162.2	10723.5	162.2

Adjustment Factor: FR diffuser = 0.958



Schematic:



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

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

**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.



- 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 at Leviton.com/apps

**Photometric Data:**  
 Relative Luminous Intensity

