

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

LED

## 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

### 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

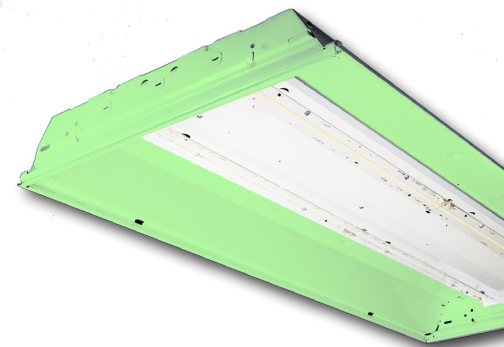
### Certifications:

- 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 EM

Series	Size	Output	Voltage	Shielding	CRI/CCT	Controls	Options
RTL G2	24						
RTL G2 RTL Gen2	24 2' x 4'	<b>SL</b> Super Low  <b>VL</b> Very Low  <b>LW</b> Low  <b>ML</b> Medium Low  <b>MD</b> Medium  <b>HI</b> High	<b>UV</b> 120-277  <b>34</b> 347V	<b>Blank</b> No Shielding  <b>FR</b> Frosted Acrylic Diffusers	<b>930</b> 90 CRI/3000K  <b>935</b> 90 CRI/3500K  <b>940</b> 90 CRI/4000K  <b>950</b> 90 CRI/5000K	<b>Blank</b> No Controls  <b>ZOSMD</b> 0-10V Dimming Microwave Occupancy Sensor <sup>(1)</sup>  <b>ZLDC</b> Leviton Intellect DALI Fixture Controller with Nework Capabilities <sup>(2)</sup>  <b>ZL7C</b> Leviton Intellect 0-10V Fixture Controller with Nework Capabilities <sup>(2)</sup>	<b>Blank</b> No Options  <b>EXT10</b> 10-Year Extended Warranty <sup>(3)</sup>  <b>EM</b> Emergency Pack <sup>(4)</sup>  <b>LVL</b> 0-10V Dimming Leads for Easy Field Access  <b>BAA</b> Buy American Act Compliant

## 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> Up to 12W (120-277V / 0°C-50°C ambient)

## Controls Accessories (order separately)



### For Leviton Intellect Controls

DRKDN-U1W  
DRKDN-U2W  
DRKDN-U2W  
DRKDN-U8W

1-Button Wireless Wall Controller  
2-Button Wireless Wall Controller  
4-Button Wireless Wall Controller  
8-Button Wireless Wall Controller

## Accessories (order separately)

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

## 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 A12 9xx	22.9	3544.1	154.5	3559.1	155.1	3643.6	158.8	3643.6	158.8
RTL G2 24 VL UV A12 9xx	28.5	4449.4	155.9	4468.2	156.5	4574.3	160.2	4574.3	160.2
RTL G2 24 LW UV A12 9xx	31.9	5001.0	156.8	5022.0	157.4	5141.3	161.1	5141.3	161.1
RTL G2 24 ML UV A12 9xx	37.7	5816.4	154.2	5841.0	154.8	5979.7	158.5	5979.7	158.5
RTL G2 24 MD UV A12 9xx	45.3	6938.4	153.1	6967.6	153.8	7133.1	157.4	7133.1	157.4
RTL G2 24 HI UV A12 9xx	54.3	8129.9	149.7	8164.1	150.3	8358.0	153.9	8358.0	153.9
RTL G2 24 VH UV A12 9xx	58.6	9275.1	158.2	9314.2	158.8	9535.4	162.6	9535.4	162.6
RTL G2 24 SH UV A12 9xx	66.1	10430.7	157.8	10474.7	158.5	10723.5	162.2	10723.5	162.2

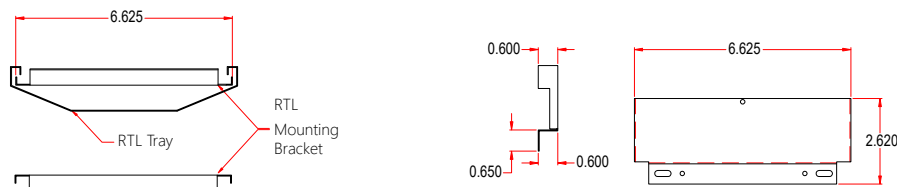
Adjustment Factor: FR diffuser = 0.958



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.](#)



## Schematic:



## Controls Summary:

Control Code	Type	Capabilities	Communication
ZOSMD	Motion (Microwave), Photosensor	On/Off/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.



- 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

## 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

