



**RWL™ G2** **Roadway/Cobrahead**

**DESCRIPTION**

The RWL™ G2 fixture from TGS represents a new performance-based, forward-thinking design for roadway lighting for residential/commercial streets, intersections, and high-speed roadways. Designed for both retrofit and new construction, RWL™ G2 provides multiple lumen packages with field adjustability and distribution options. A Comfort view optic lens is applied to minimize glare and backlight while maximizing luminaire efficacy. RWL™ G2 has tool-less entry providing quick access for installation and maintenance. A variety of control options are available for future upgrades.

**APPLICATION**

Roadway, Parking Lots, Walkways and General Outdoor Spaces



Not all products are qualified on the DLC® QPL. To view our DLC® qualified products, please consult the DLC® Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).



RWL™ G2	
*60W (8,100 lm)	
*100W (13,000 lm)	
<b>*135W (18,000 lm)</b>	
*165W (20,500 lm)	

**FEATURES**

**Construction**

Rugged die-cast aluminum housing with universal four-bolt slip fitter, mounts to 1 1/4" to 2 (1-5/8" to 2- 3/8" O.D.) diameter mast arm, meets the 3G vibration per ANSI C136.31-2010. Aluminum housing provides passive heat-sinking for high performance LED engine. **Tool-less entry for easy access to internal components.**

Durable & corrosion-resistant polyester powder coat finish tested to withstand 1000 hours in salt spray exposure per ASTM B117. Finish meets scribe creepage rating 8 per ASTM D1654.

**Optical System**

Plastic injection moulded precision optical system delivers IESNA TYPE II, III, IV or V distribution.

**Warranty**

10 Year Warranty.  
 See warranty documentation for more information.

DLC Listed Products See Page 4.

**Electrical**

Input voltage: **120-277VAC** or 200-480VAC (Optional)  
 Standard terminal block accommodates 6 to 14 gauge wire.

Standard 10kV/5kA surge protection compliant with:  
 ANSI C136.2-2015 3-part test.  
 IEEE/ANSI C62.41 Location Category C High

IP66 rated LED driver has built-in short circuit, voltage overload, and current overload protection with automatic recovery after correction.

**Controls**

0-10V Dimming  
 NEMA 3 pin, or **7 pin twist-lock receptacles with shortcap** or on/off photocell control available.  
 Dimulator Dimming Photocontrol available.  
 Radiant Wireless Control System available.

**EPA Rating/Outdoor Rating/Impact Rating**

EPA (ft<sup>2</sup>): 0.6 (60W)  
 EPA (ft<sup>2</sup>): **0.8 (100W/135W/165W)**  
**Fixture Rating: IP65**  
**Light Engine Rating: IP66**  
 Impact Rating: IK10

Projected L70: 100,000+ hours  
 Warranty: 10 Years  
 System Efficacy: Up To 145 LpW  
 0-10V Dimming



0-10V Dimming



IP65 Fixture



Dark Sky Friendly (Zero Uplight/ 3000K)



Photocell Option

**Ordering Information**

**EXAMPLE: RWL2-S-60-40-U-P7S-3-G-Wisdot**

Series	Size	Wattage	CCT	Input Voltage	Controls	Distribution	Finish
RWL2	S - Small	60 - 60W	40 - 4000K	U - 120-277VAC	P7S - 7 pin Receptacle with Short Cap P7P - 7 pin Receptacle with On/Off Photocell DIM4-U - Dimulator 120-277 VAC with 7 pin	3 - Type III for Wis DOT	G - Gray Finish B - Black Finish
	M - Medium	100 - 100W 135 - 135W 165 - 165W					

Accessories

- RWL2-FS (Field Adjustable Lumen Switch)
- RWL2-SP10-FF (Surge Protection 10kV/5kA Fail to off)
- RWL2-SP20-FO (Surge Protection 20kV/10kA Fail to off)
- RWL2-SP20-FF (Surge Protection 20kV/10kA Fail to off)
- RWL2-BLS (Back Light Shield)
- TGS-WP-ARM-X (Wood Pole Bracket)

Specifications and Dimensions subject to change without notice.

MOQ and longer lead times may apply, please contact customer service for more information.

\*DLC Listed To view our DLC® qualified products, please consult the DLC® Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).

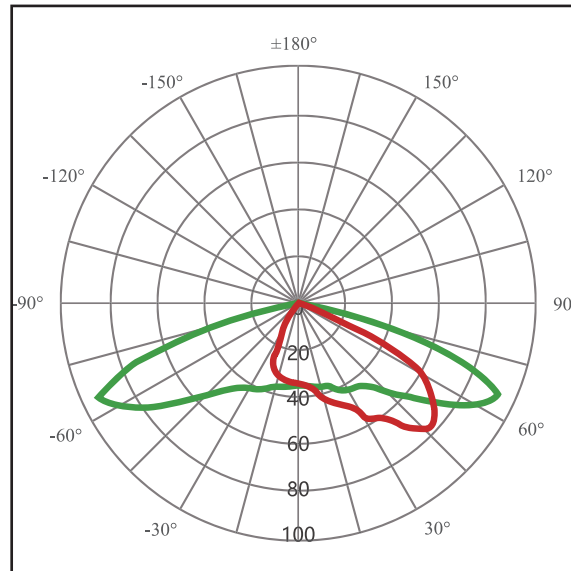
**Performance Information**

Input Voltage	120-277V, 200-480V (Optional)
Input Frequency	50/60Hz, 60Hz
Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	See Performance Table
CRI	>70
Available CCT	3000K, 4000K, 5000K
Projected L70	100,000+ hours
Power Factor	>0.90
THD	<20%
Dimming	0-10V Dimming (Isolated Driver)
Operating Temp.	-40°~122°F
IP Rating	IP65 Fixture, IP66 Light Engine

**IESNA Distribution Type**

TYPE III

\* IESNA LM-63 IES Available

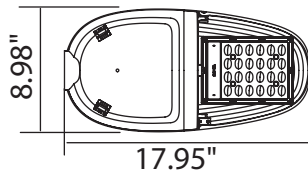


**Product Dimensions**

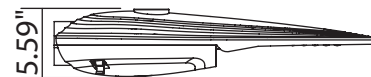
60W



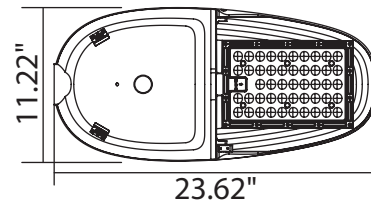
Weight: 7 lbs.



100W/135W/165W



Weight: 12lbs.



**Accessories**



Ingress Wildlife Guard & Bubble Level (Included)



Field Adjustable Lumen Switch [RWL2-FS]



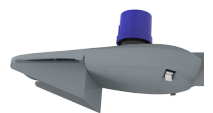
3 Pin or 7 Pin Receptacle & On/Off Photocell [P3P or P7P]



7 Pin Receptacle & Dimulator [DIM4-U or DIM4-H]



Wood Pole Bracket [TGS-WP-ARM-X]



Back Light Shield [RWL2-BLS]

## Dimulator Stand-Alone LED Dimming Photocontrol



### Features

- Factory preset dimming - no selector switch
- 10 Year Warranty
- Compliant with ANSI C136.41 receptacle
- Optional constant all night dimming
- Adaptive lighting control with progressive intensities
- 40kV Surge Protection
- High voltage version available
- Advance time/date algorithm auto-adjusts for daylight savings
- Automatically synchronize to local time

### Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activation (no cycling)
- May be oriented in any direction



Patent #9210746

## ELL Photocell Extra Long Life Photocontrol



### Features

- Designed to meet or exceed the life expectancy of LED fixtures.
- 10 Year Warranty
- 40kV Surge Protection
- High voltage version available

### Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activation (no cycling)
- May be oriented in any direction



## Performance Table

\*LM79 & LM80 Available upon request

SKU	Wattage (W)	4000K	
		Delivered Lumens (lm)	Efficacy (lm/W)
RWL2-S-60-30-U-D-X	60	8084	135
RWL2-M-100-30-U-D-X	100	13472	135
RWL2-M-135-30-U-D-X	135	18113	135
RWL2-M-165-30-U-D-X	165	20508	125

## Electrical Load

System Wattage (W)	Current (A)					
	120V	208V	240V	277V	347V	480V
60	0.53	0.30	0.26	0.23	0.18	0.13
100	0.88	0.50	0.44	0.38	0.30	0.22
135	1.18	0.68	0.59	0.51	0.41	0.30
165	1.44	0.83	0.72	0.63	0.50	0.36

## Lumen Output

System Wattage (W)	Dist. Type	4000K			
		Lumens	B	U	G
60	III	8084	2	0	2
100	III	13472	3	0	3
135	III	18113	3	0	3
165	III	20508	3	0	3

## DLC® Listed

SKU	Wattage	CCT	Type
RWL2-X-60-30-U-D-3-F	60	3000	3
RWL2-X-60-40-U-D-3-F	60	4000	3
RWL2-X-60-50-U-D-3-F	60	5000	3
RWL2-X-100-30-U-D-3-F	100	3000	3
RWL2-X-100-40-U-D-3-F	100	4000	3
RWL2-X-100-50-U-D-3-F	100	5000	3
RWL2-X-135-30-U-D-3-F	135	3000	3
RWL2-X-135-40-U-D-3-F	135	4000	3
RWL2-X-135-50-U-D-3-F	135	5000	3
RWL2-X-165-30-U-D-3-F	165	3000	3
RWL2-X-165-40-U-D-3-F	165	4000	3
RWL2-X-165-50-U-D-3-F	165	5000	3

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