

LED ROADWAY LUMINAIRE

ONE AREA LIGHT. EVERY APPLICATION.

PROJECT:	
CATALOG #	
TYPE:	DATE:

DESCRIPTION

The Litetronics LED Roadway Luminaire Luminaire is a versatile, energy-efficient lighting solution engineered to meet the demands of modern roadway and street lighting. At its core is our exclusive patented **all-in-one 120-480V driver**, a groundbreaking innovation that delivers universal voltage compatibility while simplifying installation and SKU management across diverse applications — from urban streets to commercial parking lots.

Designed for ultimate flexibility, the Roadway Luminaire offers wattage selections and color temperature options, allowing precise customization for any lighting need. High-performance LED technology ensures bright, uniform illumination with reduced glare, maximizing safety and visibility.

Built for durability and convenience, the fixture features an **easy face frame lens** for quick access and maintenance, along with **sealed, bug-free optics** that ensure long-term performance and reduce maintenance. Its rugged construction is designed to withstand harsh outdoor environments, lowering both energy consumption and maintenance costs over time.

The patented all-in-one driver also simplifies project planning and inventory management by eliminating the need to match specific voltages to specific fixtures, making the Roadway Luminaire perfect for new installations or retrofits. Installation is quick and easy, cutting labor time and speeding up project completion.

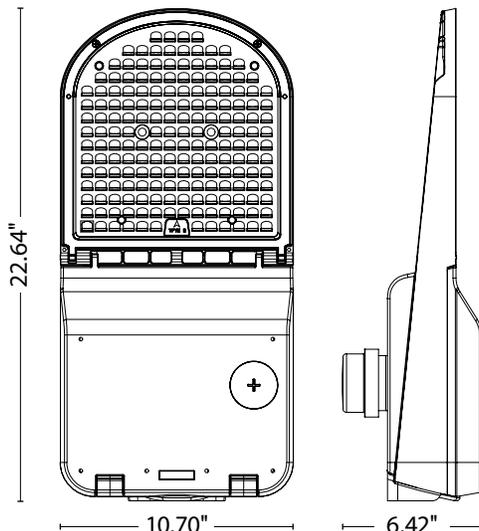
Ideal for municipal roadways, commercial districts, parking lots, and more, the Litetronics LED Roadway Luminaire Luminaire combines cutting-edge technology with long-lasting reliability — the smarter outdoor lighting solution for the future.



DIMENSIONS / WEIGHT

Order Code	Length	Width	Height	Weight
RL1503	22.64"	10.70"	6.42"	9.379lb
RL150B3	22.64"	10.70"	6.42"	9.379lb
RL1503A*	22.64"	10.70"	6.42"	9.379lb

*Note: RL1503A is made in America.



FEATURES & ACCESSORIES

- 3 Selectable Watt Settings
- Selectable CCT
3000K | 4000K | 5000K
- Quick Face Frame Lens Replacements, Type III Distribution (Standard)
- Patented Fixture with 120-480V Driver
- DLC 5.1 Premium
- Rating: IP66 Optical
- Suitable for Wet location
- All Around Waterproof Gasket, Slit Gasket Around Pole
- TAA Compliant with a Made in America Option
- Optional Glare Shields to Meet Code and Local Ordinance
- Internal Level for Adjustable Angles
- Shorting Cap
- Fit on Mast Arms (Poles) with Diameters from 1-5/8" to 2-3/8"
- Corrosion Resistant Clamping Brackets
- Bug Proof Optics
- 3-Pin Photocell Option
- Smart Node Ready with Nema 7 Pin Receptacle
- 20KV Surge Protector

MARKETS

- Urban and Suburban Street Lighting
- Commercial Centers
- Industrial Complexes
- Roadways

CERTIFICATIONS



Specifications

Performance	
Life (@L70)	100,000 Hr.
Warranty	10 Yr.
Operating Temp	-40°F to 131° F (-40°C to 55°C)
Efficacy (LPW)	160LPW
CRI	>70
Electrical	
Input Voltage	120-480V
Input Frequency	50 / 60 Hz
PF	>0.9
THD	<=20%
Surge Protection	20KV
Sensor	Plug-in PIR or Bluetooth occupancy motion sensor
Nema Plug	NEMA plug receptor (7 pin)
Photocell	3-Pin

Optical	
Lens	Type III (Type II, IV, V optional)
Physical	
Finish	Powder Coat
Color	Grey (Optional Black)
Housing	Die cast aluminum corrosion resistant
Industry Standards & Ratings	
IP	66
IK	IK08
Location	Wet
UL / ETL	ETL
FCC	Yes
RoHS	Yes
DLC	5.1 Premium

Product Overview

Easily change Roadway Luminaire light lens



1. To change the lens, remove the two screws from lens frame.



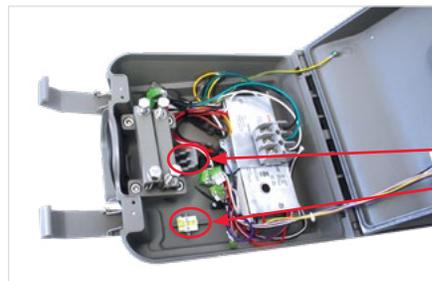
2. Open the fixture frame and easily swap out the lenses.

WEATHER-RESISTANT

The waterproof gasket protects against moisture and ensuring long-lasting durability in harsh environmental conditions.



Six drain holes, located at the bottom of the fixture, prevents moisture building up within the cavity.



Adjustable angles to a minimum of $\pm 5^\circ$ from the axis of the tenon in a minimum of 5 steps:

- a. $+5^\circ, +2.5^\circ, 0, -2.5^\circ, -5^\circ$
- b. High Visibility Level

Ordering Information

Main Fixture

Ordering Code	Description	Watts	Volts	CCT (k)	Lumens
RL1503	LED Roadway Luminaire Luminaire - Gray	75 120 150	120-480V	3000 4000 5000	12000 19200 24000
RL150B3	LED Roadway Luminaire Luminaire - Black	75 120 150	120-480V	3000 4000 5000	12000 19200 24000
RL1503A*	LED Roadway Luminaire Luminaire - Gray	75 120 150	120-480V	3000 4000 5000	12000 19200 24000

*Note: RL1503A is made in America.

ACCESSORIES

Accessories - Sensors & Controls

Part	Image	Description	Usage
SC011		Bluetooth PIR Sensor with IR	This sensor enables wireless control of fixtures, or groups of fixtures, through the LiteSmart mobile app
SCR054		Remote Control for bluetooth plug-in PIR and Microwave sensors	Used to Commission LiteTronics "Next Generation" LiteSmart IR-Enabled Sensor. (For SC0011)

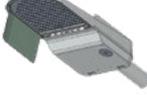
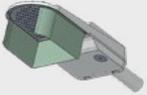
Note: RL1503A is made in America.

Accessories - Lenses

Part	Description	Usage
RLAL1502*	Type II 150W Lens	Roadway Luminaire Luminaire Accessory Lens for use with 150W product Type II
RLAL1504*	Type IV 150W Lens	Roadway Luminaire Luminaire Accessory Lens for use with 150W product Type IV
RLAL1505*	Type V 150W Lens	Roadway Luminaire Luminaire Accessory Lens for use with 150W product Type V
OLAPC	Photocontrol with NEMA 3-Pin Plug	Photocontrol with NEMA 3-Pin Plug for Roadway Luminaire Luminaire, 120-480V

* **Note:** Made to order only.

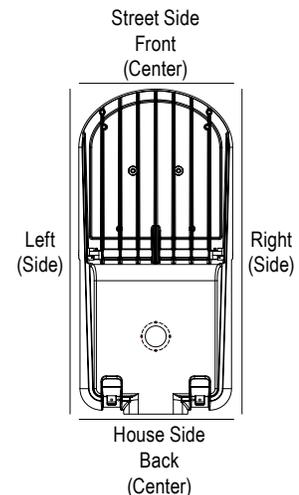
Accessories - Glare Shields

Part	Image	Description	Usage
RLAGS1*		Front Glare Shield	Roadway Luminaire Luminaire Front Glare Shield for 150W
RLAGS2*		Back Glare Shield	Roadway Luminaire Luminaire Back Glare Shield for 150W
RLAGS3*		Left Glare Shield	Roadway Luminaire Luminaire Left Glare Shield for 150W
RLAGS4*		Right Glare Shield	Roadway Luminaire Luminaire Right Glare Shield for 150W
RLAGS5*		U-Shaped Glare Shield	Roadway Luminaire Luminaire U-Shaped Glare Shield for 150W

* **Note:** Made to order only.

Glare Shield IES Reference Guide

The diagram below identifies fixture orientations to assist in selecting the correct IES file for glare shield configurations. Separate IES files are provided based on which side(s) or position(s) the glare shield is installed.



Disclaimer: Specifications are subject to change without notice. While LiteTronics makes every effort to ensure accuracy, we do not guarantee the completeness or reliability of the information provided. For the most current product data, please visit www.litetronics.com.