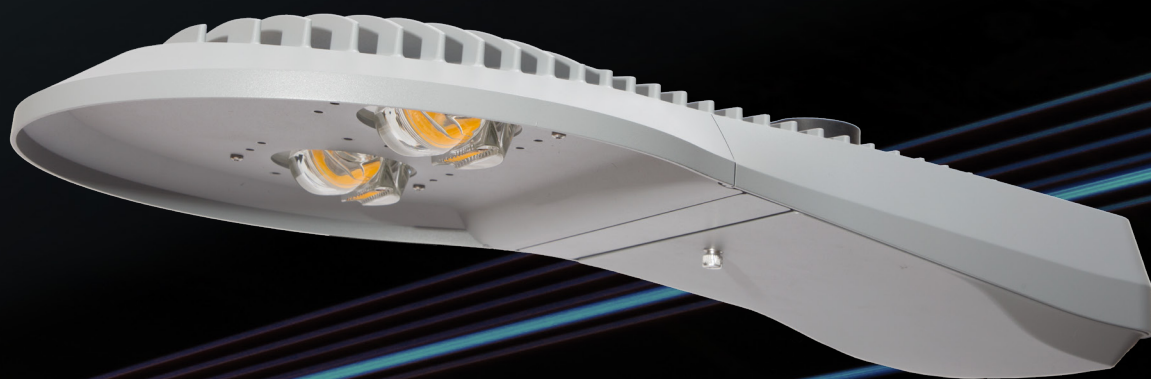


# RoadMax™

Redefine the Road Ahead

Low-glare proprietary optics | Highly configurable | Uncompromised performance



**evluma**

RoadMax Roadway Lighting  
RX1 & RX2

# Performance meets precision

Meet Evluma's new family of cobrahead lights, built on 25+ years of uncompromising LED solutions and thermal management expertise.

RoadMax is a sleek, full-featured, utility-grade luminaire designed to meet the needs of today's utilities and today's drivers. Revolutionary optical design delivers superior low-glare performance and light trespass control – without sacrificing pole spacing – because essential roads deserve exceptional light.



## Applications: Flexibility, from Local to Major

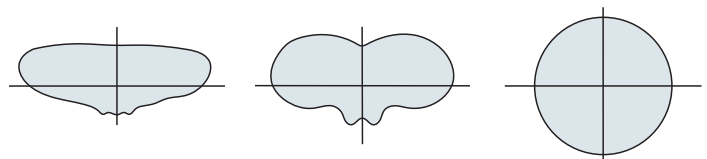
RoadMax was designed to replace HID Cobraheads on multiple roadway types and across diverse applications. RoadMax offers a wide range of configurations, as well as field adjustable settings and field installable secondary optics, delivering tremendous flexibility along with Evluma's unmatched reliability.

### Typical Applications

|                   |                  |                  |
|-------------------|------------------|------------------|
| Utilities         | Campuses         | Auto Dealerships |
| Municipal Streets | Military Bases   | Parking Lots     |
| Public Roadways   | Industrial Parks | And more!        |

## Light Distribution & CCT

Evluma has always prioritized light quality, and RoadMax brings our tradition of low-glare, crisp colors, and uncompromised performance to the roadway market. Our high-performance Type II, Type III, and Type V luminaires offer color temperature options from 2700-5000K. All configurations are Zero Uplight (U0 BUG) for Dark Sky compliance. The combination of aesthetically pleasing light, low glare, and uniform distribution elevates the standard for roadway performance.



Type II

Type III

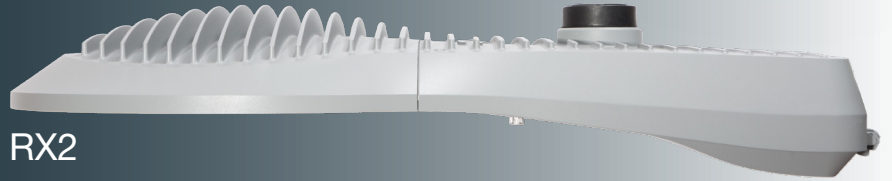
Type V

30-100W  
3,100 - 12,700 lumens



RX1

70-220W  
8,000 - 28,000 lumens



RX2

images are scaled in proportion

A solution and a size to meet every challenge

30-220W LED to replace 70-400W HID



RX1



RX1 with  
Glare Control

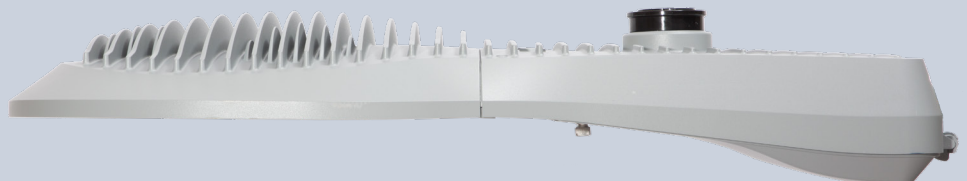


RX2



RX2 with  
Glare Control

RX3 COMING SOON  
up to 300W  
+ 40,000 lumens



# Commanding Roadway Performance PLUS Effective Glare and Light Trespass Control

Recognizing that glare is a significant challenge in the roadway environment, Evluma set out to design a luminaire that delivers industry-leading glare control without compromising performance.

## Precision Primary Optics & Glare-reducing Secondary Optics

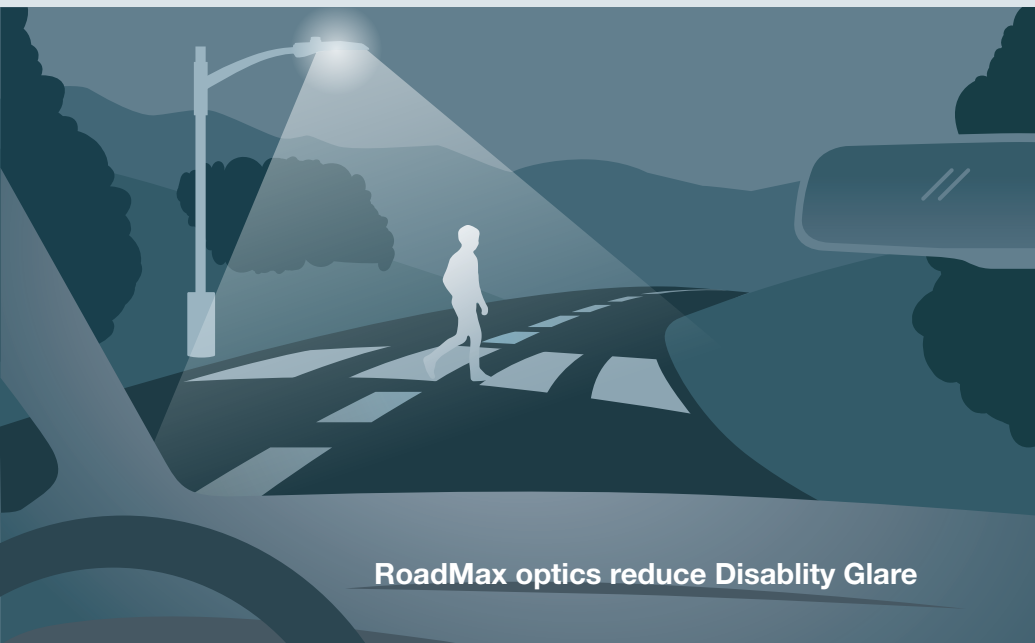
RoadMax's revolutionary optical design makes nighttime roads more pleasant for drivers and residents. The proprietary glass optics for Type II, III, and V are designed to deliver crisp, precise, evenly distributed light. We also offer a compact, field-installable secondary lens to further diffuse light and reduce glare while maintaining outstanding roadway performance.



Disability Glare impacts visual performance

## Disability Glare Control & RP-8 Performance

Disability Glare (aka Blinding Glare) is glare that reduces visual performance and visibility – the last thing you want on the road. A light's Veiling Luminance Ratio indicates its ability to control Disability Glare.



RoadMax optics reduce Disability Glare

RoadMax provides superior roadway performance relative to competition while meeting all RP-8-21 metrics for Uniformity and Veiling Luminance Ratio.

# Photocontrol Failsafe

Never roll another truck for a failed photocontrol.

Photocontrols can typically fail one or more times over the life of an LED luminaire, placing a significant demand on maintenance crews with every trip to the pole. Photocontrol Failsafe is an optional feature on RoadMax that can eliminate the ongoing maintenance costs of photocontrol replacements and the added energy costs and annoyance associated with a dayburner. Whether you've installed a 3-pin or a 7-pin photocontrol, or ordered RoadMax with Evluma's integrated photocontrol, take a potential break in the change of reliability and make it a non-issue with Photocontrol Failsafe.

# Light Trespass Shields & Optional Dimming

## Tackle Discomfort Glare and Spill Light

Reducing Disability Glare is priority one when it comes to eliminating measurable glare on the roadway. Reducing Discomfort Glare, which can be more subjective, and curtailing the light trespass and spill light that contributes to it, benefits pedestrians, residents and even wildlife. At 30w, 2700K and with the secondary lens the RX1 delivers a dimmable 3030 lumens - an ideal building-block for creating a neighborhood ambiance.

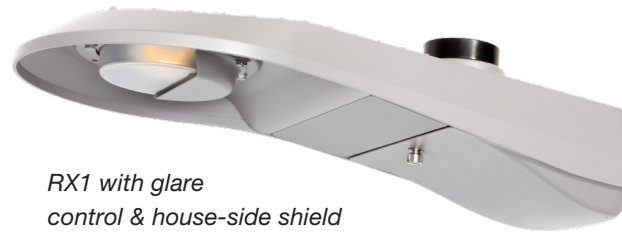
RoadMax is offered with a range of compact, field-installable trespass shields, enabling utilities to eliminate light trespass in any application. We also offer full dimming control via an in-field wattage selector (FAO) or via our mobile app.



### ConnectLED

Unlock additional savings with ConnectLED™. This app for Apple or Android devices communicates wirelessly via BLE (Bluetooth Low Energy) technology to:

- Connect/Disconnect the fixture from service
- Set maximum brightness
- Set scheduled dimming
- Monitor status, and more!

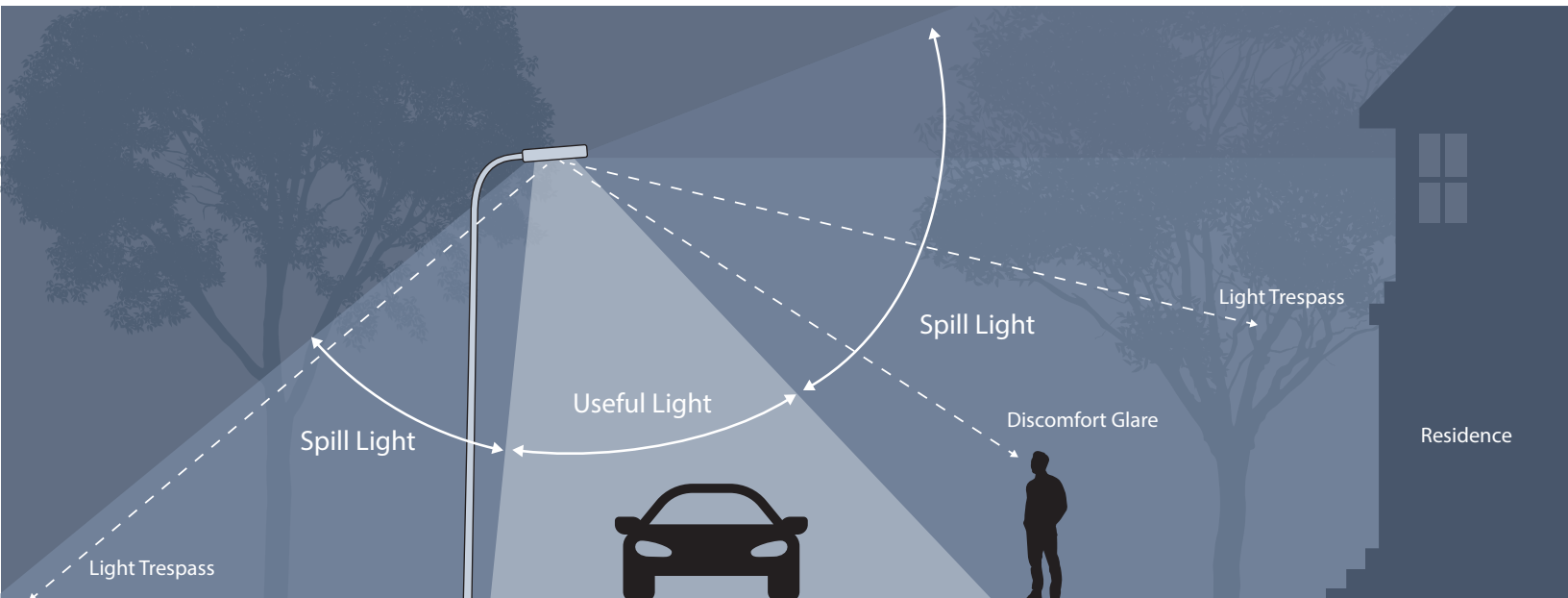


*RX1 with glare control & house-side shield*



*RX1 with glare control & front-side shield*

**Light Trespass, also known as Spill Light**, is any light that spills outside of the intended lighting area. Spill Light is typically emitted at a higher angle than Useful Light and “trespasses” onto areas where less light is preferred.

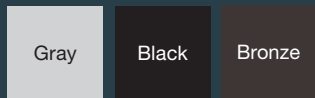


# Construction & Finish



## Color & Finish

RAL TGIC free, polyester powder-coat



available for all models of RX

## Controls

- 3 pin, 7 pin, integrated photocontrol P
- 3 pin + Photocontrol Failsafe, ConnectLED
- 7 pin + Photocontrol Failsafe, ConnectLED
- Evluma's proprietary integrated photocontrol P + Photocontrol Failsafe, ConnectLED



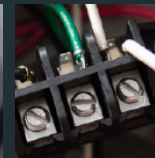
Integrated photocontrol P



Bubble level



Field Adjustable Output (FAO)



Easy-access terminal block



Wildlife Guard

# Technical Specs

### Electrical Data

120-277 VAC 60 Hz.  
Driver Lifetime >100,000 hrs  
-40°C Min / 50°C Max Temp

Please see RX1 & RX2 model datasheets for technical data specific to each model.

### Certification Data

UL 1598. MET Labs  
IP66. IEC 60598-1  
ASTM D2247-68 Humidity  
ASTM B117-19 3,000hr  
Salt Fog Performance Test  
C136.31-2018 Level2/3G Vibration  
ANSI C136.2-2018 20kV/10kA Surge

### Lumen Maintenance

L70 (10,000) >55,000  
L90 (10,000) >55,000  
L70 (TM21) >100,000



**Warranty**  
10-year warranty

## Evluma makes one thing: Utility-grade outdoor LED lighting solutions

From heat management, to light quality, to integrated controls, we've been solving the biggest challenges in LED for over 2 decades. We help cities, municipalities and utility providers evolve their lighting infrastructure to meet needs of tomorrow.

TP-0061 A03



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