

## AreaMax 80W and 100W LED Luminaire

Recommended to replace 200-250W HID

Evluma's most powerful LED luminaire still has the industry's lowest total cost of ownership, with dramatic reductions in maintenance and energy cost over HID

**New from Evluma!** Replace 200W-250W HID street and area lights with AreaMax 80W or 100W LED luminaires. Available in both Type III and Type V light distribution and multiple CCT (2700K-5000K). Recommended for parking lots, service areas, residential roadways, or as a security light.

With 20kV/10kA surge protection, a Class II custom driver, and patented Evluma technology the AreaMax is a robust, utility-grade fixture that's built to last, and backed by a 10-year warranty. Each unit ships with Photocontrol Failsafe™ built-in and the option to activate ConnectLED™ features.

### Photocontrol Failsafe™

**Never roll another truck for a failed photocontrol** – When a photocontrol fails, Photocontrol Failsafe™ takes over, eliminating a truck-roll and guaranteeing dusk-til-dawn operation.



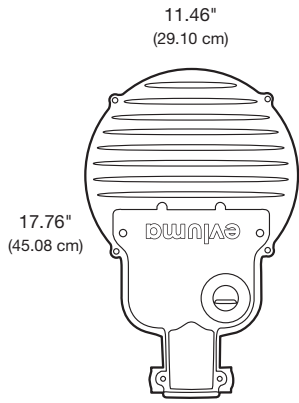
### ConnectLED™

**Wireless lighting management** – Unlock additional savings with ConnectLED™. This app for Apple, Android or Windows devices communicates via BLE (Bluetooth Low Energy) technology to:

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



# Dimensions & Features



## Construction and Finish

Powder-coated, cast aluminum housing, galvanized steel, hinged access hatch with spring clips for easy open and close.

## Mounting

Stainless steel tenon clamp and stainless steel screws accept 2" or 1-1/4" arm for easy slip-on installation.

## Coastal Package Option

Cast aluminum alloy housing with aluminum access hatch, stainless steel tenon clamp and stainless steel bolts.

## Optical (Lens)

Textured glass, white, optical-grade reflective film liner creates a bright, non-glare, diffuse light.

## Thermal Management

Thermal measurement protection circuitry controls current levels to the LEDs. Components of minimal thermal resistance, paired with a custom light engine and finned casting design, maximize cooling.

## Dark Sky Friendly

We are proud to offer several AreaMax models that have received the IDA Dark Sky Seal of Approval. Flat lens models (C) with U0, offered in 3000K or 2700K are IDA compliant.



Assembled in the USA from domestic and imported parts.

# Ordering Information

Sample Number: AX-40-50-5-D-S7-CST-6

Product Family	Watts	CCT	Distribution Type	Lens (Options)	Photocontrol Socket (Options)	Environmental Package (Options)	Leads (Options)
AX = AreaMax	80 = 80 watts 100 = 100 watts	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K	5 = type V 3 = type III	D = dome C = full cutoff	P = integrated S3 = 3 pin socket S7 = 7 pin socket	STD = std outdoor CST = coastal	6 = 66" 10 = 10' 20 = 20' N = none

# Performance Data

80 CRI for 2700K, all other models CRI >70

**80W** recommended to replace 200-250W HID

**100W** recommended to replace 200-250W HID

Code	Lumens	LM/W
<b>TYPE V</b>		
50 5 (C)	10,200	128
50 5 (D)	10,400	130
40 5 (C)	10,100	127
40 5 (D)	10,300	129
30 5 (C)	9,800	123
30 5 (D)	10,000	125
27 5 (C)	8,400	106
27 5 (D)	8,600	108
<b>TYPE III</b>		
50 3 (C)	10,400	131
50 3 (D)	10,600	133
40 3 (C)	10,400	130
40 3 (D)	10,500	132
30 3 (C)	10,000	126
30 3 (D)	10,200	128
27 3 (C)	8,600	108
27 3 (D)	8,800	110

Code	Lumens	LM/W
<b>TYPE V</b>		
50 5 (C)	12,300	123
50 5 (D)	12,500	125
40 5 (C)	12,200	122
40 5 (D)	12,400	124
30 5 (C)	11,800	118
30 5 (D)	12,000	120
27 5 (C)	10,200	102
27 5 (D)	10,400	104
<b>TYPE III</b>		
50 3 (C)	12,600	126
50 3 (D)	12,800	128
40 3 (C)	12,500	125
40 3 (D)	12,700	127
30 3 (C)	12,100	121
30 3 (D)	12,300	123
27 3 (C)	10,400	104
27 3 (D)	10,600	106

## Accessories

**AX-LTS4** Unfinished aluminum light trespass shield (order separately)

## Electrical Data

Driver	90-277 VAC 50/60Hz Proprietary patented Class II Driver
Surge Protection	20kV/10kA IEEE/ANSI C62.41.2-2002 Location C-High

## Lumen Maintenance

L70 (10,000) >	>55,000 hrs
LM at 10,000 hrs	>97%
LM at 100,000 hrs	>83%

**Warranty** 10 yrs

## Energy Data

Power Factor	>99% at 120VAC >91% at 277VAC
THD	<10% at 120 VAC <20% at 277 VAC
Off-state Power	<1/2W
Driver Lifetime	>100,000 hrs
Temperature	Ambient Min -40°C Ambient Max 50°C

## Shipping Data

Single Unit Net Weight	8 lbs.
Packaged Weight	10 lbs.
Pallet	56 units / 600 lbs.

## Certification Data

UL 1598 Met Labs	
IP66. IEC 60598-1	
ASTM D2247-68	Humidity
FM 4473	Hail Impact Resistance
EPA under 0.5 sq ft	
ANSI C136.31-2018	Level 2 3G Bridge/Overpass



# 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-0033 REV A07



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