

available with **ConnectLED™**

The AreaMax is Evluma's premier 40W LED luminaire for area and security lighting. The AreaMax introduces a revolutionary new way to deliver dusk-till-dawn efficiency by reducing your dependence on the traditional photocell. Affordable and easy to install, the AreaMax slides onto the existing pole arm typically used by NEMA Type V dusk-till-dawn fixtures. At a spectacular 100 lm/W for the entire system, the light output of the 40W AreaMax is equivalent to the average 150-175W HID fixture. Order the AreaMax with ConnectLED and take advantage of additional maintenance and energy savings with dimming features and remote commissioning/decommissioning.

PRELIMINARY DATA
FIELD TRIALS UNDERWAY

A M A X - - - - -

PRODUCT ID	WATTS	PERFORMANCE CODES	PHOTOMETRIC TYPE	LENS	CONNECTLED™ CONNECTIVITY
AMAX = AreaMax	40 = 40 watts	4K-6 5K-6	V = Type V	C = Full Cut-Off D = Dome	0000 = No ConnectLED CLED = ConnectLED*

PERFORMANCE CODES

Code	CCT	CRI	Lumens	LED mA	IES File Numbers
4K-6	4000K	>60	>3000	825mA	pending
5K-6	5000K	>60	>4000	825mA	exps004-010

ELECTRICAL PERFORMANCE

- 120-277 VAC 50/60 Hz
- Power Factor >90% and THD <20%
- Class C Lighting Strike Protection for long life in harsh electrical environments
- **Replaceable** high capability surge protection for 20kV/10kA per IEEE/ANSI C62.42.2 - 2002 Location Category C-High

Photocell and mounting arm bracket are not included.
*Delivery methods for ConnectLED may vary depending on quantity and preference. Please contact your sales agent for current information.



RoHS Compliant
L70 at 70,000 Hours
Multiple Lens Options
LM-79 & IES Files Available
UL & In-Situ Testing Pending
Thermal Management Protection Circuitry
Made in the USA of US and Imported Parts



AREAMAX™

The AreaMax introduces a revolutionary new way to deliver dusk-till-dawn efficiency with a built-in photocell fail-safe. Compatible with NEMA standard twist lock photocells, place the AreaMax in the field with a photocell installed. Over time, an internal processor will calibrate the AreaMax to its unique geographic times for sunrise and sunset. Should the photocell fail, the AreaMax will take over based on the information it has collected eliminating a maintenance visit and guaranteeing continuous operation. The AreaMax is also compatible with wireless photocells.

ConnectLED™ (CLED)

ConnectLED is a software application that communicates with the AreaMax via BLE (Bluetooth Low Energy) to:

- commission /decommission the fixture
- create a permanent dimming setting
- upload custom dimming algorithms
- activate motion detection (pending).

Run ConnectLED on a Windows 7, or higher, laptop with a licensed dongle at a range of 150' from the AreaMax. A ConnectLED application for smart phones and tablets will be available in 2013.

Thermal Management

Evluma designed the AreaMax with two critical things in mind: maximum lumens per watt and maximum cooling. Low temperatures are key to LED long life and brightness. Critical components were selected for their minimum thermal resistance and paired with a custom light engine and casting design effectively executing this strategy.

In addition, LED life is assured by thermal management protection circuitry that controls current levels to the LEDs based on temperature. Temperature is measured at the LED package, often referred to as the solder point temp, or T_{SP} . At 65°C the fixture begins to cut back on the current to the LEDs to either maintain, or reduce the temperature back down to 65°C.

Warranty

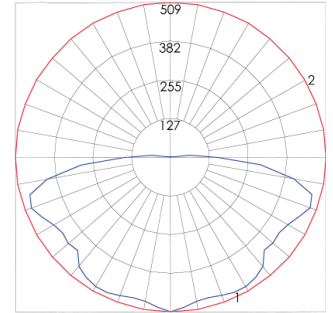
The AreaMax carries Evluma's standard 5 year warranty.

Construction

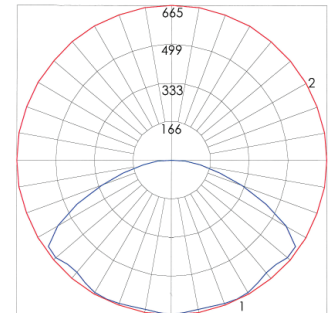
- die cast aluminum housing
- IP65 enclosure rating
- high efficiency reflective optics
- 16 long life LEDs
- self-cleaning glass lenses
- factory installed pigtail
- weight = 8 lbs (approx.)

Multiple Lens Options

Dome Lens
Max Candela: 509 at 0° Angle
.01 fc at over 4 mtg htgs
B1-U3-G1



Full-Cut Off Lens
Max Candela: 665 at 0° Angle
.01 fc at over 3 mtg htgs



Polar Candela Distribution Vertical Plane (1) and Horizontal Cone (2) through maximum candela.

Dimensions

