

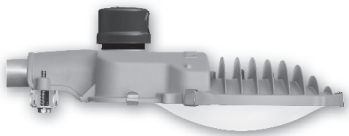
EVLUMA AREAMAX™

LED STREET, AREA AND SECURITY LIGHTING
REPLACES HID DUSK-TO-DAWN LUMINAIRES 100-200W

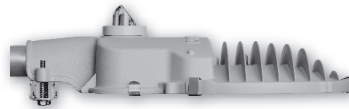
AMAX 30
AMAX 40
AMAX 55
AMAX 70

DESCRIPTION

The AreaMax LED luminaire for street and area lighting is a robust, utility-grade luminaire designed to last for years. Easy to install, the AreaMax saves energy and maintenance time. Perfect for residential street lighting, parking lots, or rural security applications requiring either full cutoff, or maximal visibility with a diffuse, low-glare light. AreaMax ship with Photocontrol Failsafe™ built-in and the option to activate ConnectLED™ features with the purchase of the Evluma custom Bluetooth application.



reuse existing photocontrol with S3 option (dome lens shown)



Evluma integrated photocontrol with P option (flat lens shown)



CERTIFICATION DATA

UL 1598. MET Labs
IP66. IEC 60529
ASTM D2247-68
FM 4473

ANSI C136.31-2010 Level 2
Vibration Bridge/Overpass
EPA under 0.5 sq ft

ENERGY DATA

PF >99% at 120 VAC
THD <8% at 120 VAC
PF >91% at 277 VAC
THD <10% at 277 VAC
<1/2W off-state power
Driver Lifetime >100,000 hrs
-40°C Min / 50°C Max AM Temp

SHIPPING DATA

Pallet Qty:
56 units, 580 lbs

Construction & Finish

Cast aluminum housing with gray powder coat. Hinged access panel is galvanized steel with spring clips to allow for easy open and close. Color by custom order.

Optical (lens)

Textured glass and a white, optical-grade reflective film liner combine to create a bright, diffuse light.

Electrical

Evluma proprietary Class II driver. Dimmable. Patented. 90-277 VAC 50/60 Hz High capability surge protection for 20kV/10kA per IEEE/ANSI C62.41.2 - 2002. Location Category C-High.

Thermal Management

LED life is ensured by thermal management protection circuitry that controls current levels to the LEDs based on temperature. Critical components were selected for their minimal thermal resistance then paired with a custom light engine and casting design to maximize cooling.

Mounting

Stainless steel tenon clamp and stainless steel screws accept 2" (5.08 cm), or 1 1/4" (3.17 cm) diameter arm.

Lumen Maintenance

L70 (10,000) > 60,000 hrs
LM at 10,000 hours = 99%
LM at 100,000 hours > 90%

LM 80 and ISTMT available at www.evluma.com
TM 21 calculations available upon request.

Warranty

Ten-year warranty.
Visit www.evluma.com/products/warranty/

EVLUMA AREAMAX™

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	30 = 30 watts 40 = 40 watts 55 = 55 watts 70 = 70 watts	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K	5 = type V 3 = type III	D = dome C = cutoff	P = integrated S3 = 3 pin socket S7 = 7 pin socket	STD = std outdoor CST = coastal	6 = 66" 10 = 10' 20 = 20' N = none

30W PERFORMANCE

recommended to replace 70-100W HID
CRI for all models > 70

Code	Lumens	LM/W	BUG
50 5 (C)	4500	150	B2-U0-G1
50 5 (D)	4500	153	B2-U2-G1
40 5 (C)	4600	156	B2-U0-G1
40 5 (D)	4800	160	B2-U2-G1
30 5 (C)	4600	155	B2-U0-G1
30 5 (D)	4700	159	B2-U2-G1
27 5 (C)	3600	123	B2-U0-G1
27 5 (D)	3700	126	B2-U2-G1
50 3 (C)	4500	152	B2-U0-G1
50 3 (D)	4600	156	B2-U2-G2
40 3 (C)	4500	152	B2-U0-G1
40 3 (D)	4700	158	B2-U2-G2
30 3 (C)	4500	152	B2-U0-G1
30 3 (D)	4600	156	B2-U2-G2
27 3 (C)	3500	119	B1-U0-G2
27 3 (D)	3700	124	B1-U2-G2

40W PERFORMANCE

recommended to replace 100-150W HID
CRI for all models > 70

Code	Lumens	LM/W	BUG
50 5 (C)	5800	147	B2-U0-G1
50 5 (D)	6000	150	B2-U2-G1
40 5 (C)	6100	154	B2-U0-G1
40 5 (D)	6200	157	B3-U2-G1
30 5 (C)	6100	153	B2-U0-G1
30 5 (D)	6200	156	B3-U2-G1
27 5 (C)	4800	121	B2-U0-G1
27 5 (D)	4900	124	B2-U2-G1
50 3 (C)	5900	149	B2-U0-G2
50 3 (D)	6100	154	B2-U2-G2
40 3 (C)	5900	149	B2-U0-G2
40 3 (D)	6100	155	B2-U2-G2
30 3 (C)	5900	149	B2-U0-G2
30 3 (D)	6100	154	B2-U2-G2
27 3 (C)	4600	117	B2-U0-G1
27 3 (D)	4800	121	B2-U2-G2

55W PERFORMANCE

recommended to replace 100-175W HID
CRI for all models > 70

Code	Lumens	LM/W	BUG
50 5 (C)	7700	140	B3-U0-G1
50 5 (D)	7800	143	B3-U2-G1
40 5 (C)	8100	148	B3-U0-G1
40 5 (D)	8300	151	B3-U2-G1
30 5 (C)	8100	148	B3-U0-G1
30 5 (D)	8300	151	B3-U2-G1
27 5 (C)	6400	117	B2-U0-G1
27 5 (D)	6500	119	B3-U2-G1
50 3 (C)	7700	141	B2-U0-G2
50 3 (D)	8000	146	B2-U2-G2
40 3 (C)	7800	142	B2-U0-G2
40 3 (D)	8000	147	B2-U2-G2
30 3 (C)	7700	141	B2-U0-G2
30 3 (D)	8000	146	B2-U2-G3
27 3 (C)	6100	111	B2-U0-G2
27 3 (D)	6300	116	B2-U2-G2

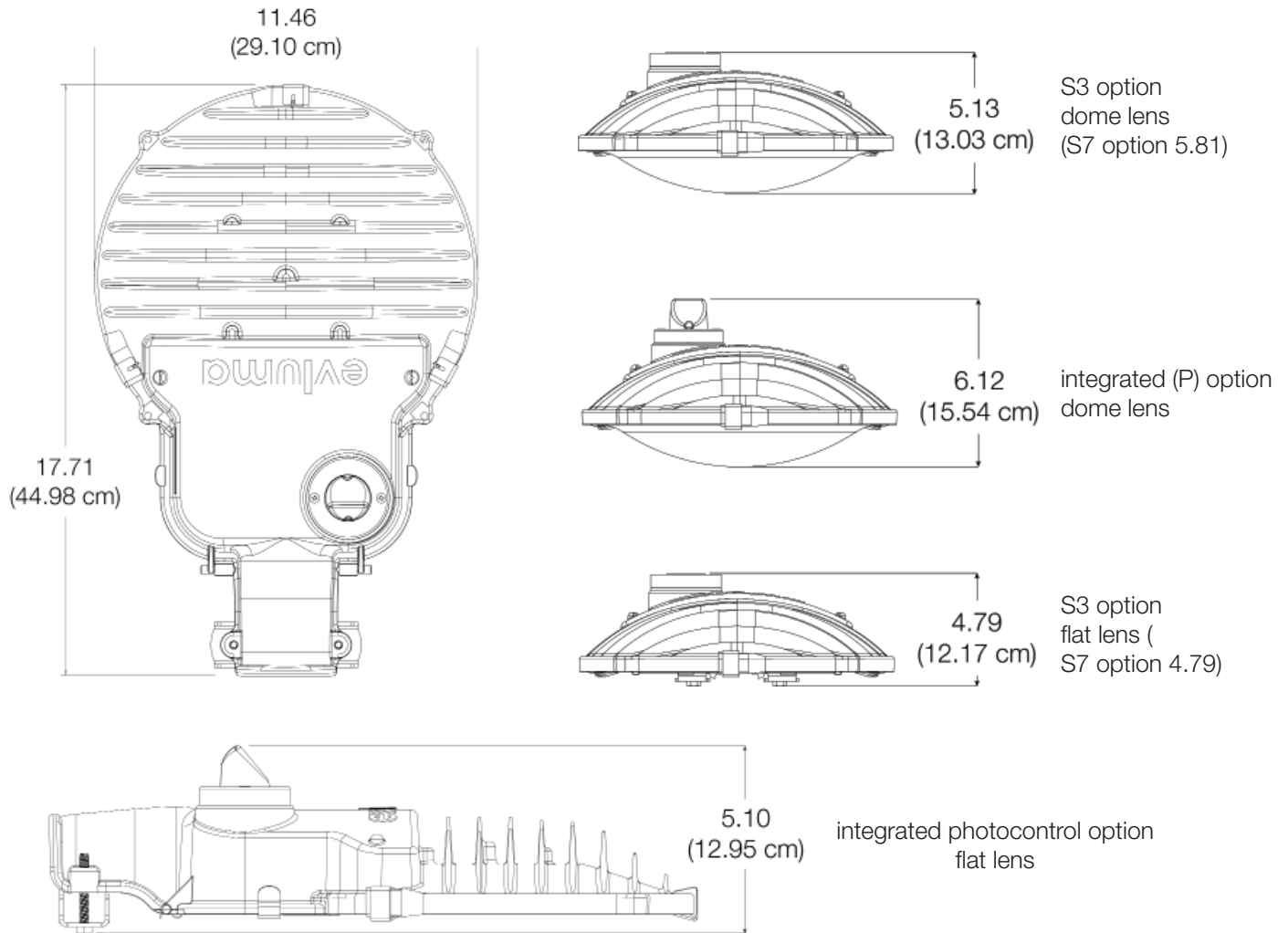
70W PERFORMANCE

recommended to replace 100-200W HID
CRI for all models > 70

Code	Lumens	LM/W	BUG
50 5 (C)	9200	133	B3-U0-G1
50 5 (D)	9500	136	B3-U2-G1
40 5 (C)	9800	141	B3-U0-G1
40 5 (D)	10000	144	B3-U2-G2
30 5 (C)	9800	141	B3-U0-G1
30 5 (D)	10000	144	B3-U2-G1
27 5 (C)	7700	111	B3-U0-G1
27 5 (D)	7900	113	B3-U2-G1
50 3 (C)	9300	134	B2-U0-G2
50 3 (D)	9700	139	B3-U3-G3
40 3 (C)	9400	135	B2-U0-G2
40 3 (D)	9800	140	B3-U3-G3
30 3 (C)	9300	134	B2-U0-G2
30 3 (D)	9700	139	B3-U3-G3
27 3 (C)	7400	106	B2-U0-G2
27 3 (D)	7700	110	B2-U2-G2

EVLUMA AREAMAX™

DIMENSIONS (inches)



Accessories

AMAX-LTS Stainless steel light trespass shield (order separately)

Coastal Environmental Package Option

Corrosive coastal environments have unique requirements. A housing made from cast aluminum alloy with an anti-corrosion chromate coating plus an aluminum access panel, a stainless steel tenon clamp and all stainless steel fasteners guarantee longevity in harsh, wet environments. Required for applications 2000 ft. from a salt water body.

Components	Standard	Coastal
Housing	cast aluminum alloy	cast aluminum alloy (low copper content)
Coating	polyester powder coat	corrosion-resistant chromate coating
Access Panel	galvanized steel	aluminum
Tenon Clamp	stainless steel	stainless steel
Bolts	stainless steel	stainless steel

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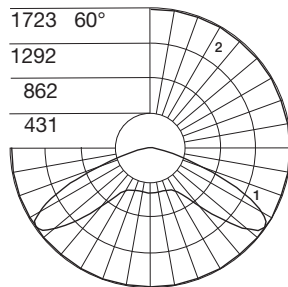
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SAMPLE DISTRIBUTIONS OF LUMINOUS INTENSITY

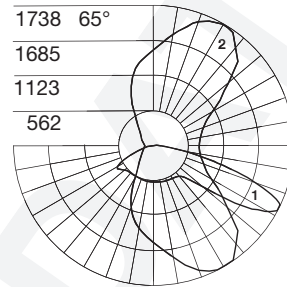
For complete photometrics on all wattages and CCT, please visit our website. Files pending.

AMAX 30 TYPE V TYPE III

Polar Candela Distributions: Vertical Plane (1) and Horizontal Cone (2) through maximum candela

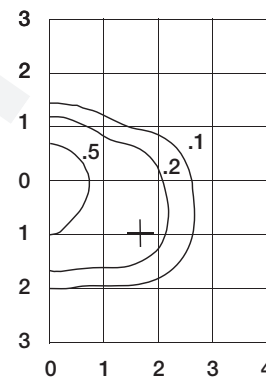
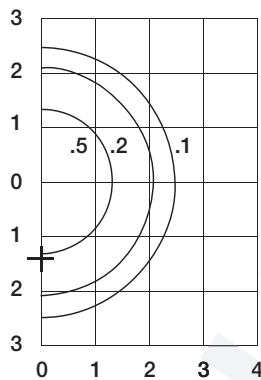


30W 50 5-D
Dome Lens
153 lm/W



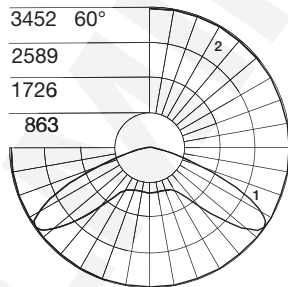
30W 50 3-D
Dome Lens
156 lm/W

IsoFootcandle Lines of Horizontal Illuminance: 25' mounting height (+) Max Candela Point

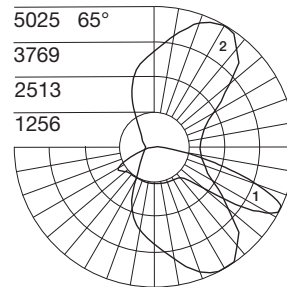


AMAX 70 TYPE V TYPE III

Polar Candela Distributions: Vertical Plane (1) and Horizontal Cone (2) through maximum candela



70W 50 5-D
Dome Lens
136 lm/W



70W 50 3-D
Dome Lens
139 lm/W

IsoFootcandle Lines of Horizontal Illuminance: 25' mounting height (+) Max Candela Point

