

Product Specifications

**Smart™**

Smart Area Lights

100W Smart Area Light
 EL-AL-100
 EL-AL-100HV

FEATURES

- Flexible, modular design.
- Retrofit Kit available for direct light source replacement.
- Multiple choice of optical lenses.
- Advanced, vortex air flow thermal management.
- Easy, low cost maintenance and repair.
- UL, CUL certified to wet location, DLC Listed.

TYPICAL APPLICATIONS

- Suitable for Road Lighting
- Area Lighting

SPECIFICATIONS

PERFORMANCE

LED Chip	CREE XT-E
Lumen Output (IES)	9,734 lm
Power Consumption	97 W
Efficacy (IES)	100.3 lm/W
Beam Angle	120°, 85/135°
Color Temperature	4500~5500K (2500~5500K Optional)
CRI	≥70
Lumen Maintenance	L70>150,000 hours (Calculated Using TM-21 Calculator)
Input Voltage	100-277 VAC (347/480 VAC Optional), Dimming Compatible
Power Factor	0.95 minimum

ENVIRONMENTAL

IP Rating	IP65
Operating Temperature	-30 to 55°C (-22 to 131°F)
Humidity	15% to 90% RH

PHYSICAL

Dimensions (L×W×H)	400×300×200 mm (15.7×11.8×7.9 in)
Weight	12.0 kg (26.5 lbs)
Mounting Options	Slip Fitter, Horizontal Mounting Bracket
Fixture Material	Aluminum Alloy

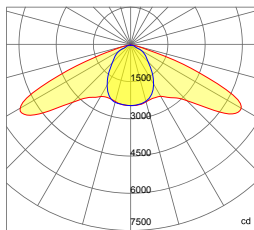
WARRANTY

5 Years

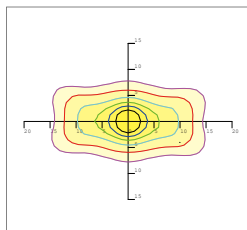
Photometrics



85/135 DEGREE LENS (Clear/Frosted)



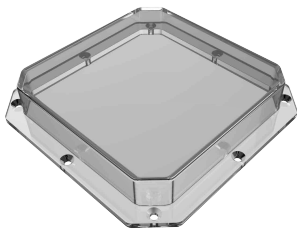
— 0.0~180.0
— 90.0~270.0



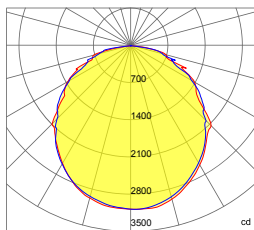
Mounting Hight 6m, 0 Tilt,
50LUX-5LUX

Illumination-85/135 Degree Beaming Angle		
Height	Rectangular Light Spot	LUX
5m	9×24m	82LUX
6m	11×29m	60LUX
7m	13×34m	45LUX
8m	14×39m	35LUX
9m	15×43m	28LUX

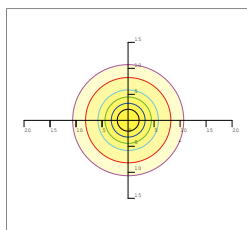
Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	9,734 lm
Light Efficacy (IES)	100.3 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G3
UGR	16/29
IES Classification	Type II
Cutoff Classification	Semi-Cutoff



120 DEGREE LENS



— 0.0~180.0
— 90.0~270.0



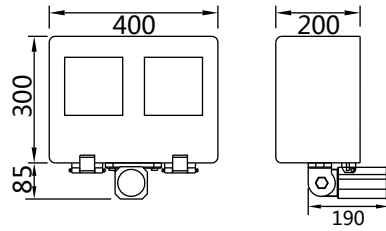
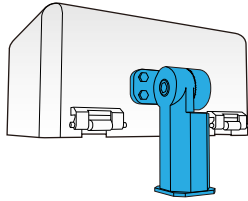
Mounting Hight 7m, 0 Tilt,
50LUX-5LUX

Illumination-120 Degree Beaming Angle		
Height	Beam Diameter	LUX
5m	φ 17m	102LUX
6m	φ 21m	76LUX
7m	φ 24m	58LUX
8m	φ 28m	45LUX
9m	φ 31m	36LUX

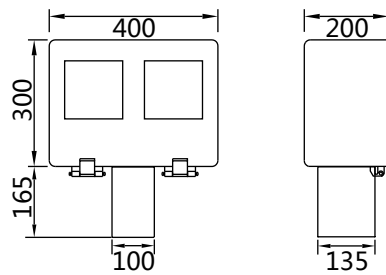
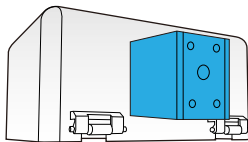
Beam Angle (50% max)	120 DEG
Field Angle (10%)	150 DEG
Luminous Flux (IES)	9,592 lm
Light Efficacy (IES)	97.9 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G2
UGR	23
IES Classification	Type V
Cutoff Classification	Cutoff

Mounting Options

Slip Fitter



Horizontal Mounting Bracket



Ordering Information

