

Product Specifications

**Smart™**

Smart Area Lights

150W Smart Area Light

EL-AL-150

EL-AL-150HV

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)	14,292 lm
Power Consumption	144 W
Efficacy (IES)	99.2 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)	400×460×200 mm (15.7×18.1×7.9 in)
Weight	15.0 kg (33.1 lbs)
Mounting Options	Slip Fitter, Horizontal Mounting Bracket
Fixture Material	Aluminum Alloy

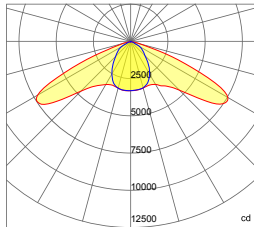
WARRANTY

5 Years

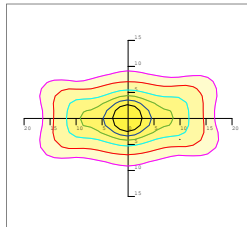
Photometrics



85/135 DEGREE LENS (Clear/Frosted)



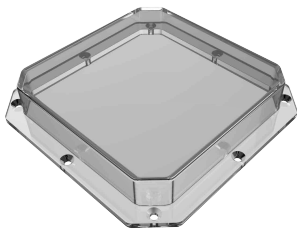
— 0.0~180.0
— 90.0~270.0



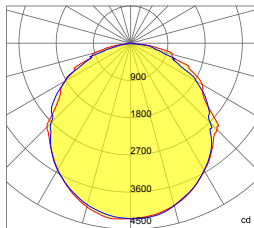
Mounting Hight 7m, 0 Tilt,
50LUX-5LUX

Illumination-85/135 Degree Beaming Angle		
Height	Rectangular Light Spot	LUX
6m	11x29m	88LUX
7m	13x34m	65LUX
8m	15x38m	50LUX
9m	16x43m	40LUX
10m	18x48m	32LUX

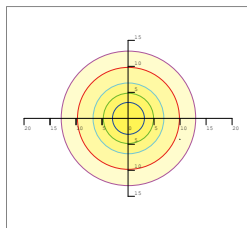
Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	14,292 lm
Light Efficacy (IES)	99.2 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G3
UGR	17/30
IES Classification	Type II
Cutoff Classification	Semi-Cutoff



120 DEGREE LENS



— 0.0~180.0
— 90.0~270.0



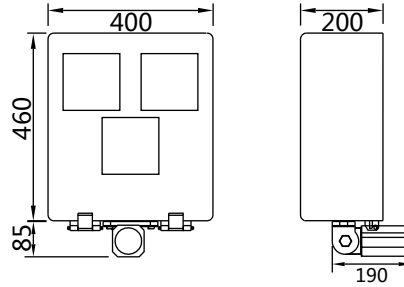
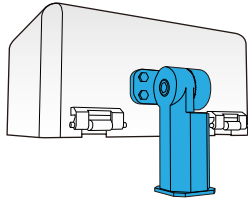
Mounting Hight 9m, 0 Tilt,
50LUX-5LUX

Illumination-120 Degree Beaming Angle		
Height	Beam Diameter	LUX
6m	φ 21m	103LUX
7m	φ 24m	78LUX
8m	φ 28m	60LUX
9m	φ 31m	48LUX
10m	φ 35m	39LUX

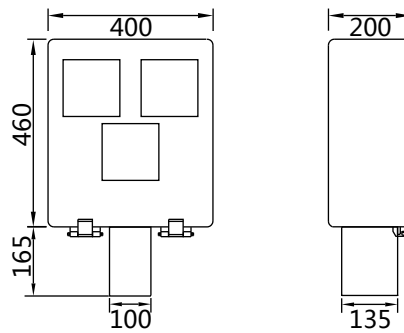
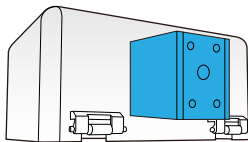
Beam Angle (50% max)	120 DEG
Field Angle (10%)	150 DEG
Luminous Flux (IES)	14,245 lm
Light Efficacy (IES)	99 lm/W
NEMA Type	7H x 7V
BUG Rating	B3-U2-G2
UGR	24
IES Classification	Type V
Cutoff Classification	Cutoff

Mounting Options

Slip Fitter



Horizontal Mounting Bracket



Ordering Information

