

Product Specifications

**Smart™**

Smart Area Lights

300W Smart Area Light
 EL-AL-300
 EL-AL-300HV

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)	28,493 lm
Power Consumption	293 W
Efficacy (IES)	97.6 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)	600×520×260 mm (23.6×20.5×10.2 in)
Weight	27.0 kg (59.5 lbs)
Mounting Options	Slip Fitter, Horizontal Mounting Bracket
Fixture Material	Aluminum Alloy

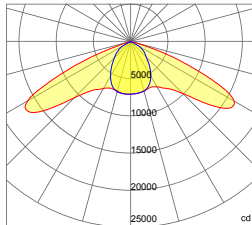
WARRANTY

5 Years

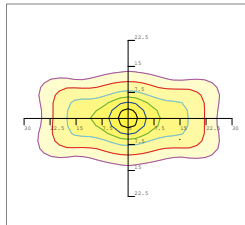
Photometrics



85/135 DEGREE LENS (Clear/Frosted)



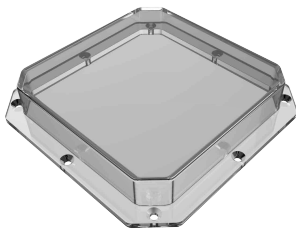
— 0.0~180.0
— 90.0~270.0



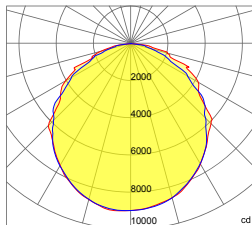
Mounting Hight 11m, 0 Tilt,
50LUX-5LUX

Illumination-85/135 Degree Beaming Angle		
Height	Rectangular Light Spot	LUX
8m	15x39m	102LUX
9m	16x43m	81LUX
10m	18x48m	66LUX
11m	20x53m	55LUX
12m	22x58m	46LUX

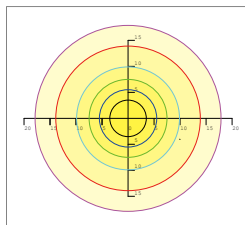
Beam Angle (50% max)	85x135 DEG
Field Angle (10%)	130x150 DEG
Luminous Flux (IES)	28,493 lm
Light Efficacy (IES)	97.6 lm/W
NEMA Type	7H x 7V
BUG Rating	B4-U2-G4
UGR	18/32
IES Classification	Type II
Cutoff Classification	Semi-Cutoff



120 DEGREE LENS



— 0.0~180.0
— 90.0~270.0

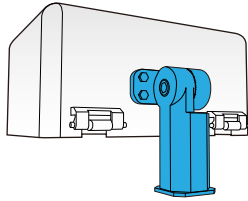


Mounting Hight 12m, 0 Tilt,
50LUX-5LUX

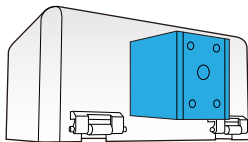
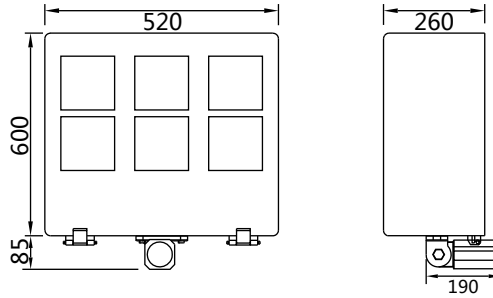
Illumination-120 Degree Beaming Angle		
Height	Beam Diameter	LUX
9m	φ 31m	103LUX
10m	φ 35m	84LUX
11m	φ 38m	69LUX
12m	φ 42m	59LUX
13m	φ 45m	50LUX

Beam Angle (50% max)	120 DEG
Field Angle (10%)	150 DEG
Luminous Flux (IES)	27,679 lm
Light Efficacy (IES)	94 lm/W
NEMA Type	7H x 7V
BUG Rating	B4-U2-G3
UGR	26
IES Classification	Type V
Cutoff Classification	Cutoff

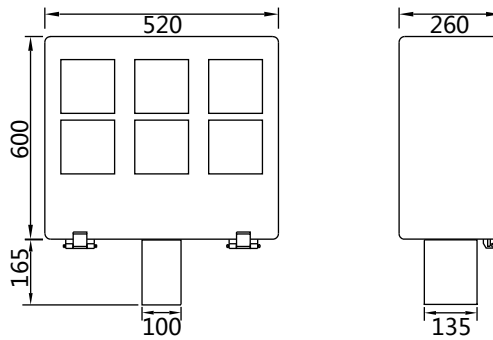
Mounting Options



Slip Fitter



Horizontal Mounting Bracket



Ordering Information

