Project: Type: Date: Notes:

AL3-LED
LED Area Light

The AL-LED fixtures are high efficiency area lights with multiple beam patterns to suit a variety of applications. Intelligently designed, series of fixture provides superior lighting performance and significant energy savings over traditional fixtures.

IDEAL APPLICATIONS

- Roadways
- Parking Lots
- Perimeter Lighting

SPECIFICATIONS

	AL3-LED320	AL3-LED400
PERFORMANCE		
Watts	313W	380.1W
Lumens	38593lm	46689lm
Efficacy	123.3 lm/W	123.58lm/W
Voltage	120-277V, 347V	
Colour Temp	3000K, 4000K, 5000K	
CRI	72.9	71.3
Dimming	0-10V Dim to Off (5%-100%)	
THD	8.15%	6.45%
PF	0.99	0.94
Beam Distribution	T2,T3,T4,T5	
LED Life (L80)	>72,000 hours	
Surge Protector	4kV (driver surge protection) and 10kV additional surge suppression	
Housing Finish	Bronze, Custom Colours	
Housing Details	Die Cast Aluminum	
Mounting (Sold Separately)	Slip Fitter, Wall mount Bracket, Arm for Round pole, Arm for Square pole	
Operating Temp.	-40°C to +40°C (-40°F to 104°F)	
FACTORY INSTALLED OPTIONS		
Photocontrol, Motion Sensor		
CERTIFICATIONS		
UL, 5 Year Warranty, Wet Locations, DLC		

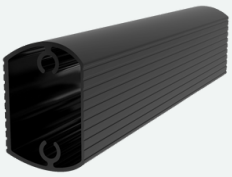
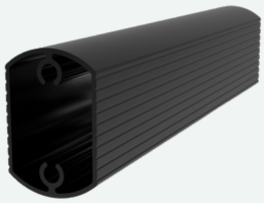
Spec Shown are for 5000K, 120V
Note: 3000K is not DLC listed

ORDERING GUIDE

AL3						DIM		
Fixture	**Wattage**	**Voltage**	**Colour Temp.**	**Beam Distribution**	**Finish**	**Dimming**	**Controls**	**Mounting**
	LED320	B - 120-277V*	5K - 5000K*	T2 - Type 2	BRZ - Bronze *	DIM - 0-10V Dimming	BLANK	BLANK
	LED400	C- 347V	4K - 4000K	T3 - Type 3	CC - Custom Colour		PC- Photocell	SF- Slipfitter
			3K - 3000K	T4 - Type 4			DMS- Dimming Motion Sensor	YK- Yoke
				T5 - Type 5				

*Standard Configuration

MOUNTING SOLD SEPARATELY

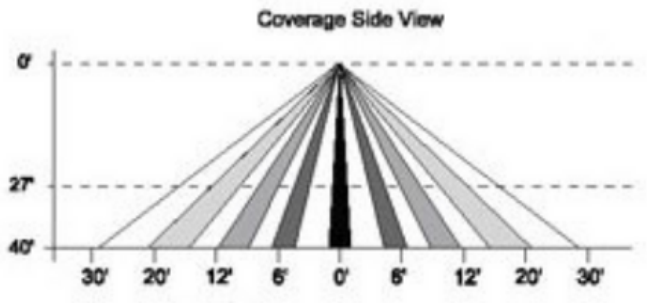
SLIP FITTER MOUNT		6" DIE CAST ARM FOR 4" ROUND POLE	
WALL MOUNT BRACKET		ROUND POLE MOUNT	
12" STRAIGHT ARM FOR SQUARE POLE (6" STRAIGHT ARM ALSO AVAILABLE)		YOKE MOUNT (OPTIONAL FACTORY INSTALLED)	

DMS – 360° PASSIVE INFRA RED DIMMING MOTION SENSOR

The DMS mounts in an outdoor/indoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

SPECIFICATIONS	
Power Supply	120-277VAC
Maximum Load at -40°C - 70°C	Resistive/Tungsten - 600W@120V Ballast Electronic (LED) - 800/1200VA @120/277V
Dim Control Output	0-10V max. 25mA sinking current
Operating Temperature	-10°C to +40°C
Humidity	Max. 95% RH
Detection Radius/Angle	Max Meters/360°
Mounting Height	Max 40ft
Remote Range	50ft. (15m) indoor, no backlight
Certification	IP66, cULus
Warranty	5 years

MOTION SENSOR DETAILS	
Operation	Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On or Off based on the ambient light level so that lighting remains on overnight even without motion detection.
Wireless Remote Control	Initial setup and subsequent sensor adjustments are made using a remote control. This remote control enables adjustment of parameters and is also used to initiate automatic calibration of the DMS ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The remote control stores up to five sensor parameter profiles to speed the configuration of multiple sensors.
Features	• Provides line voltage On/Off switching and 0-1 0VDC dimming control • Works with ballasts or LED drivers • High and low modes fully adjustable from O to 1 0V • Time delay from 5 to 30 minutes • Optional cut off delay • Adjustable ramp up and fade down times • CLASS 2 for whole sensor • Optional day lighting setpoints feature automatic calibration, and permit manual adjustment. • Polycarbonate, flame retardant, UV resistant, impact resistant. • UL773A and FCC.
Applications	Outdoor or indoor applications, ideal for use with Highbay fixtures (HB-LED Series), Area Lights for poles <40’ high (AL-LED Series) or Linear vapourproof with junction box accessory (LFW-LED Series).



- 0 – 10V DC dimming control.
- Multi level dimming from 10%-30% .
- Time delay can be set from 5 – 30 minutes.
- 360° Range - 40 ft high x 30 ft across.

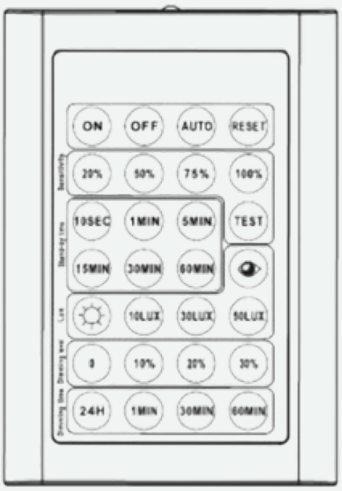
SENSOR DEFAULT SETTINGS

Sensitivity	100%
Standby Time	5 minutes
Daylight Setting	0-10V max. 25mA sinking current
Dimming Level	20%
Dimming Time	60 mins

MOTION SENSOR DETAILS

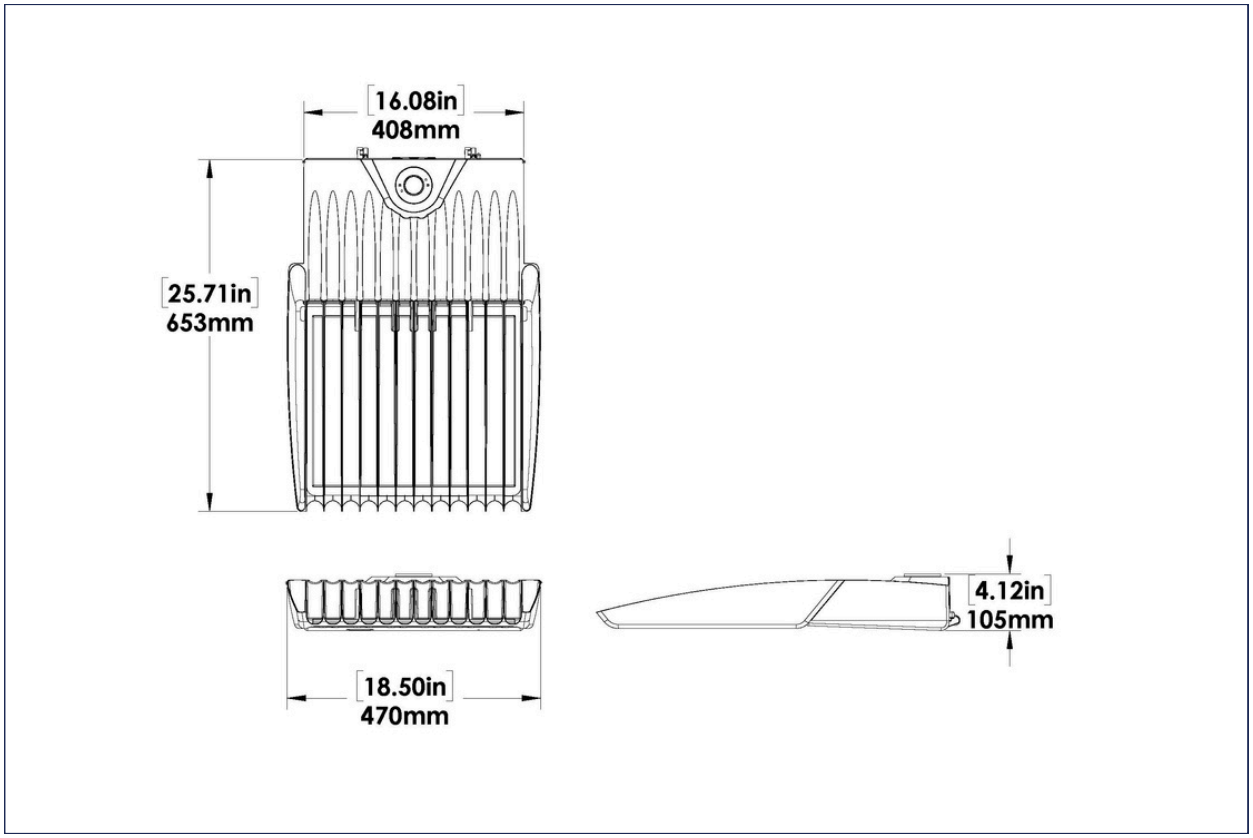
Where	1. Sensitivity is the responsiveness to detect movement. 2. Standby time denotes how long the lights remain at 100% lux levels once the sensor is activated 3. Daylight sensor setting sets the natural light levels needed for the sensor to shut off the fixture. The default setting deactivates the daylights sensor completely. 4. Dimming level indicates the level at which light drops after no motion has been detected during the standby time. 5. Dimming time is how long the light will remain at the low dim level on without activity before it turns off. Sensor is fully adjustable. For custom settings, order Sensor Remote separately.

PROGRAMMING

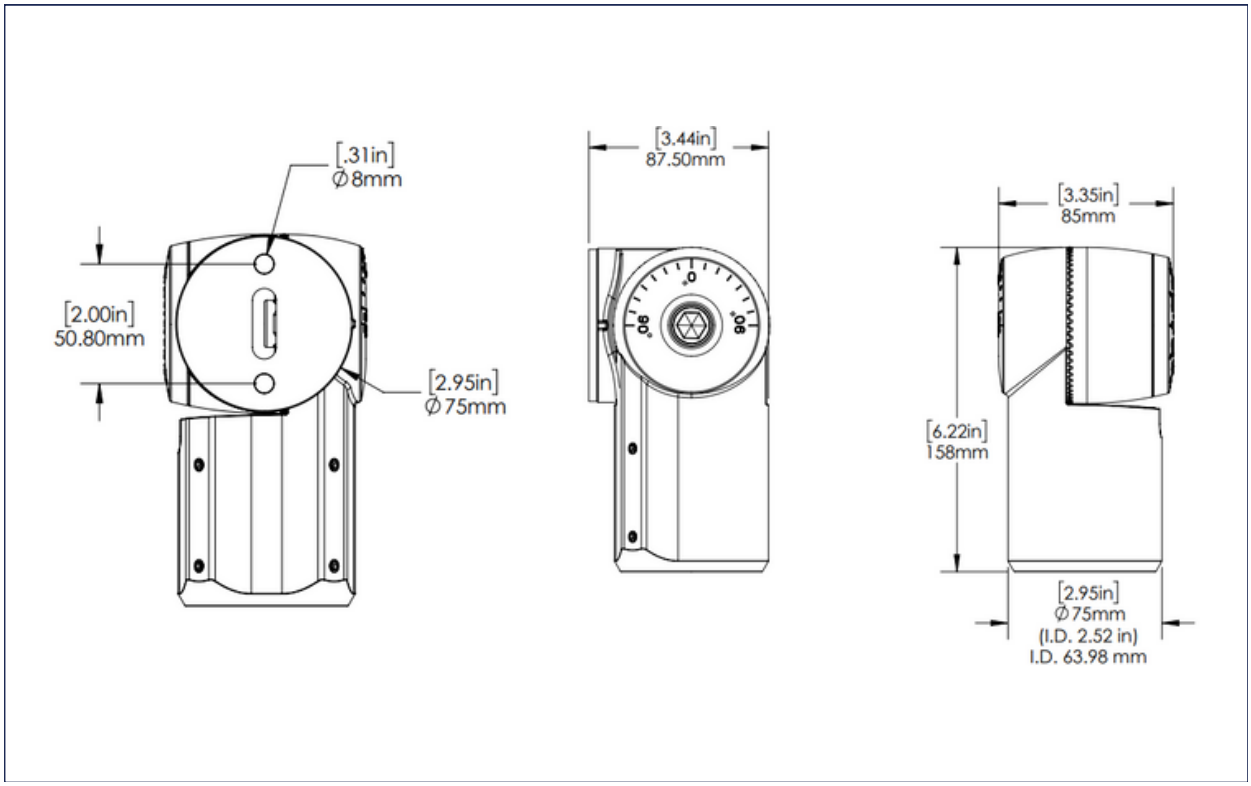


ON / OFF	The light either permanently turns ON / OFF. Sensor is disabled.	TEST	Long pressf or 3-4sf or the sensor to go into test mode which allows the user to test the motion sensor sensitivity in the daylight by disabling the dimming time period and lux level.
AUTO	Turnst he fixture ON with the last saved settings.	RESET	Pressing this buttonw ill resett he light to default setting. 1. 100% Sensors ensitivity 2. 5 min stand-bytime 3. Lux level at daylight threshold 4. 20% dimming level 5. 60 min dimming period
20% 50% 75% 100%	Sett he sensitivity and range oft he motion sensor.	10SEC 10MIN 20MIN 30MIN	Sett he hold –t ime. W hen sensor detects motion, the light stays on at the maximum light level fort he hold-time period chosen.
	When pressed, sensorw ill measuret he Lux level oft he surrounding area and save it. The light will adjust its dimming level based ont he changes occurring with the surrounding ambient light	10 Lux 30 Lux 50 Lux	Sett he Lux level fort he light to operate.T he light will turn on aftert he surrounding light level is less than the light level set on the sensor except the daylight optionw hich disables the Lux settings.
0 10% 20% 30%	Sett he Stand-by dimming level.	24H 1MIN 30MIN 60MIN	Sett he dimming time period. (If set at 24H,t he light stays ON).W hen sensor detects no motion it will stay ON at the dimming level set,f or the chosent ime.

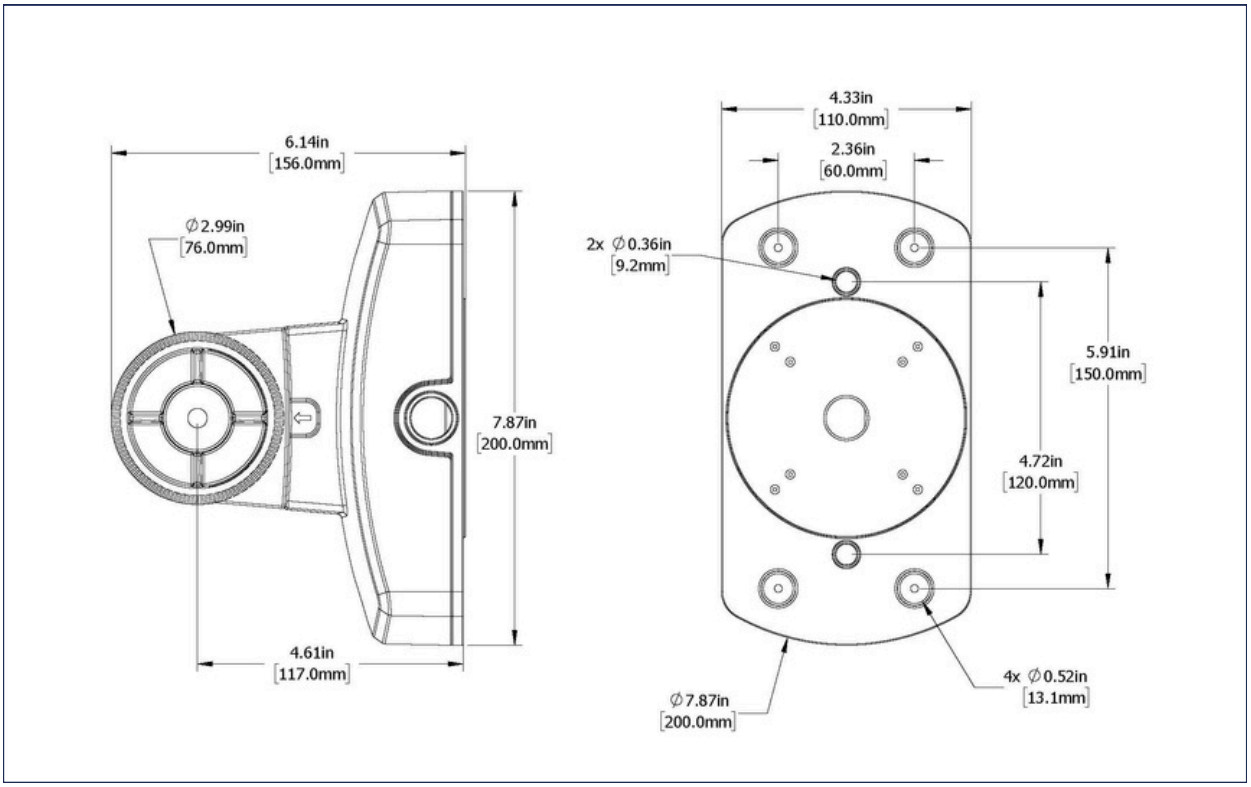
DIMENSIONS



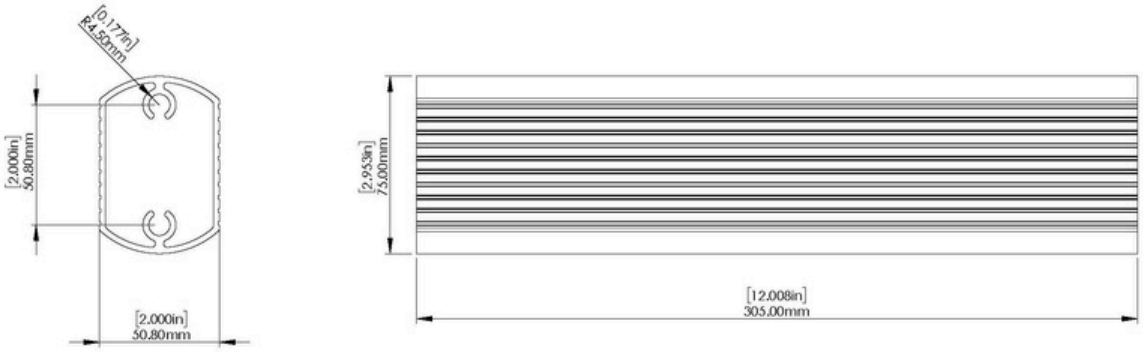
SLIPFITTER MOUNT



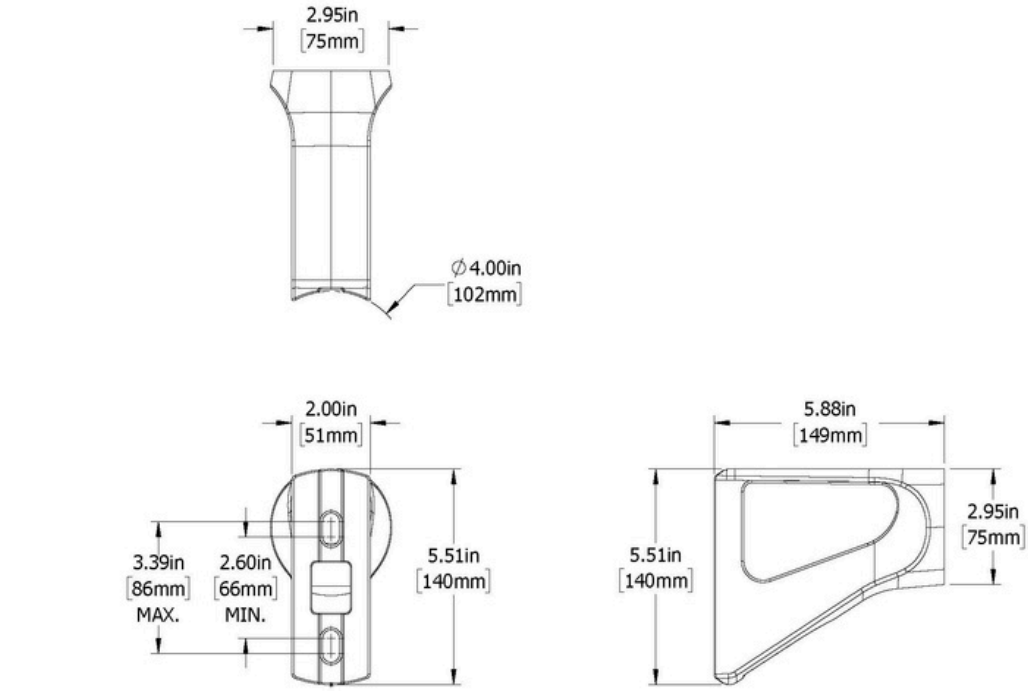
WALL MOUNT BRACKET



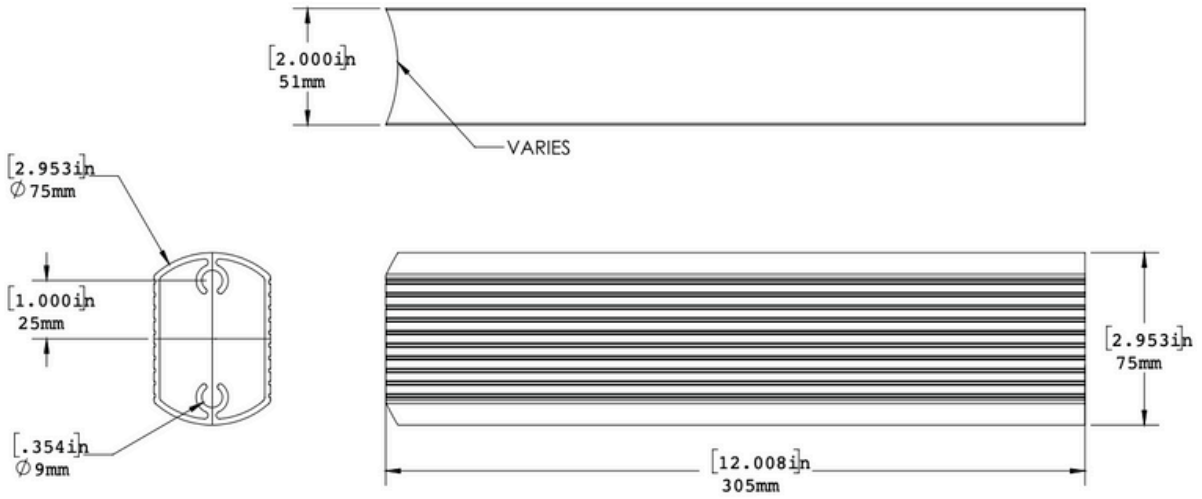
12" STRAIGHT ARM FOR SQUARE POLE



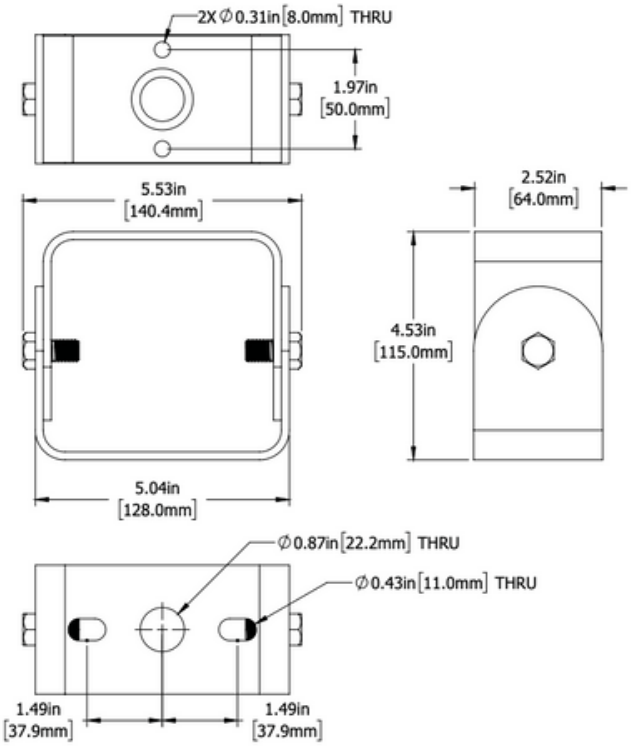
6" DIE CAST ARM FOR 4" ROUND POLE



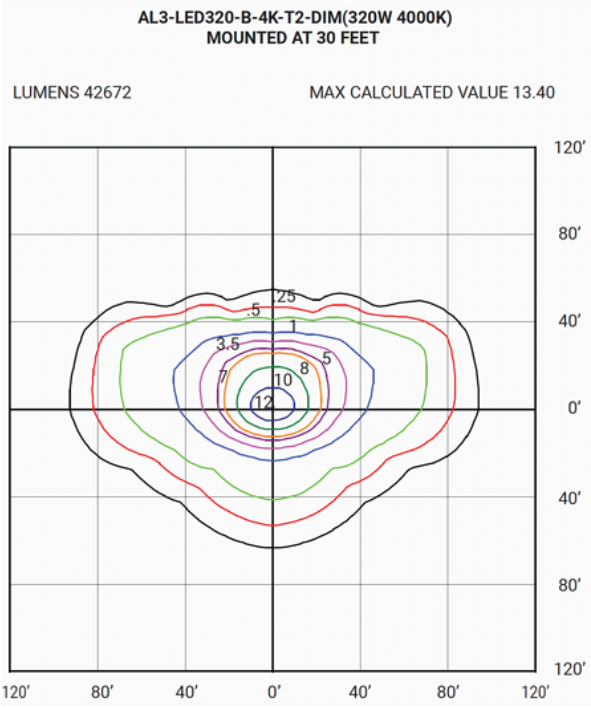
ROUND POLE MOUNT

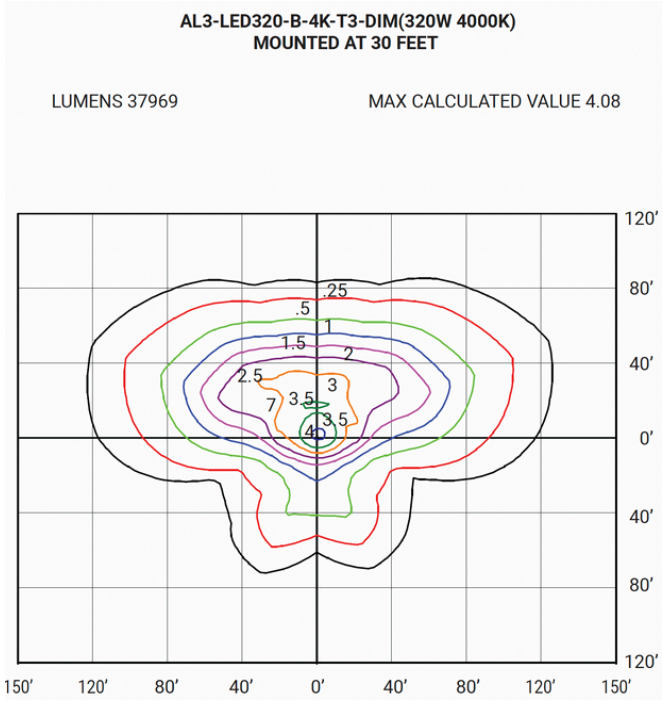


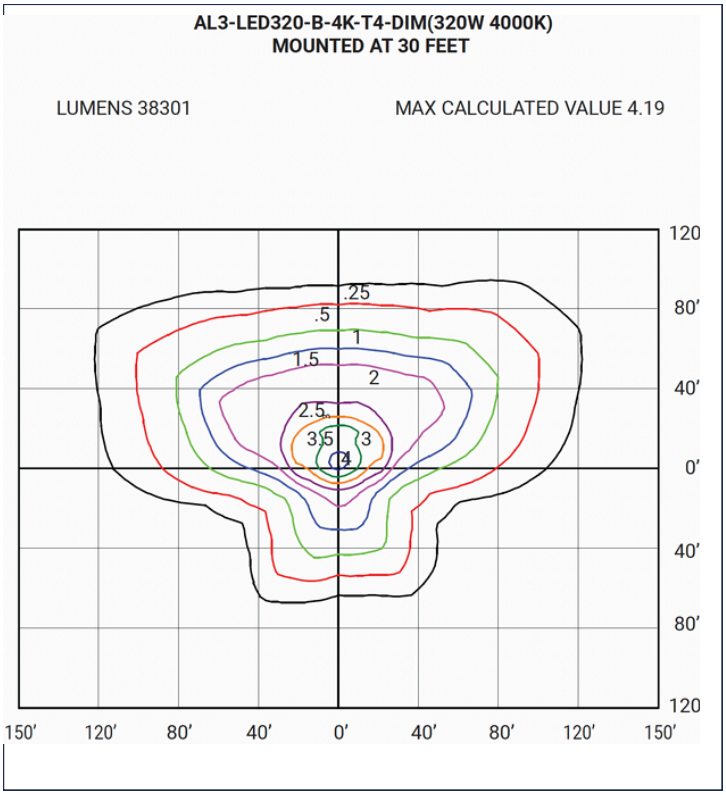
YOKE MOUNT

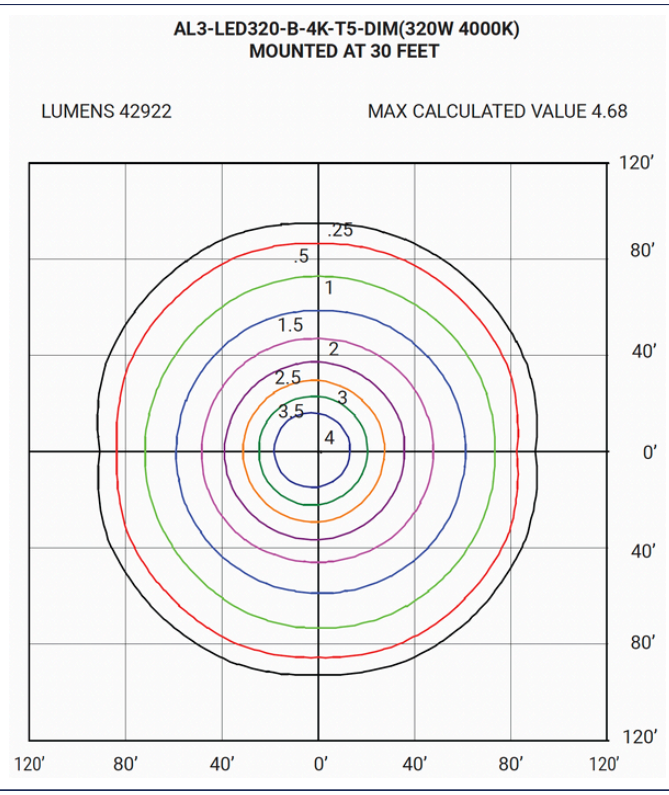


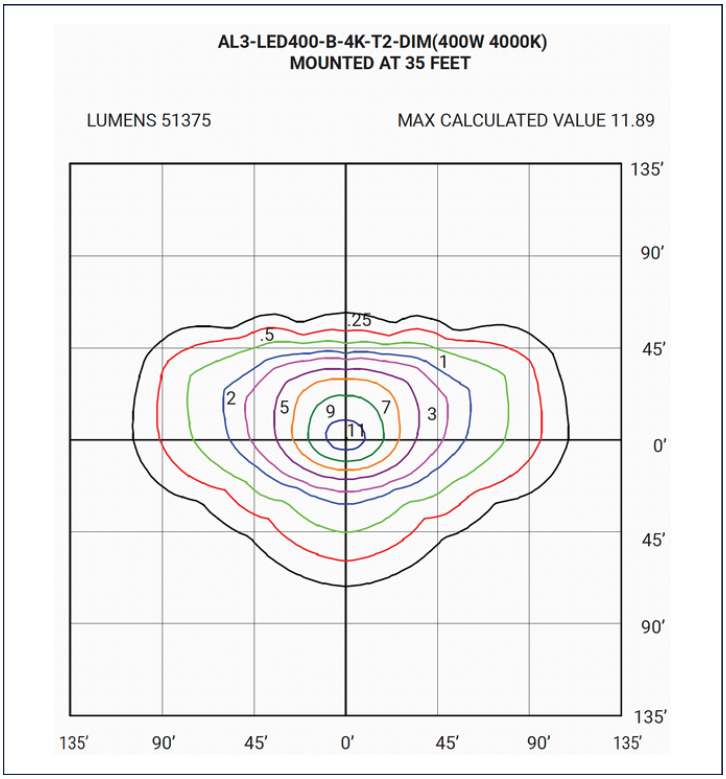
PHOTOMETRIC PLOTS

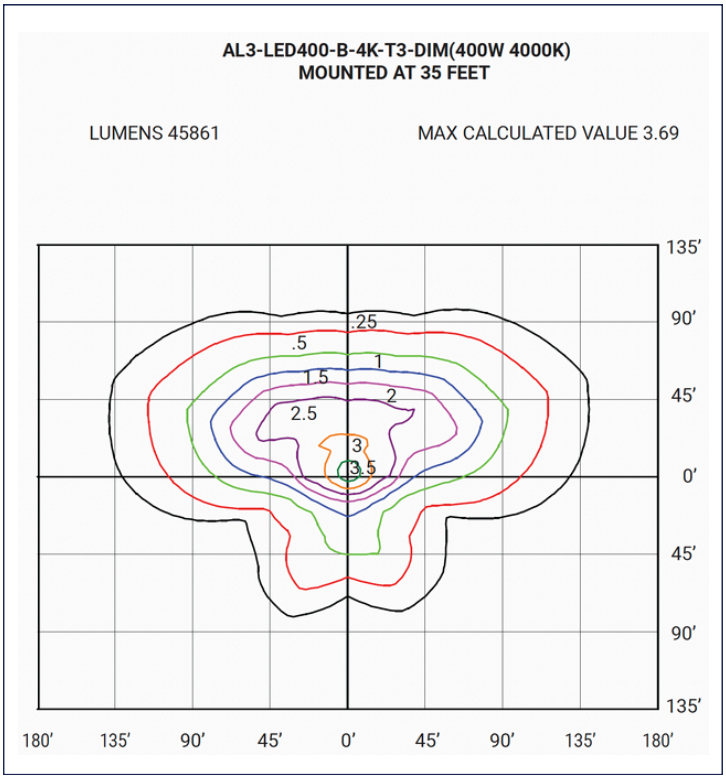


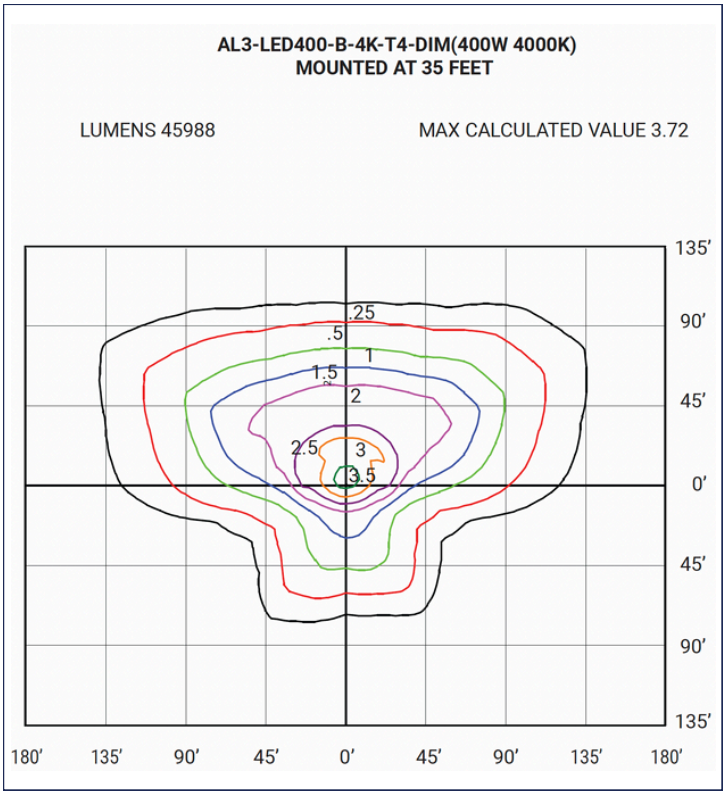


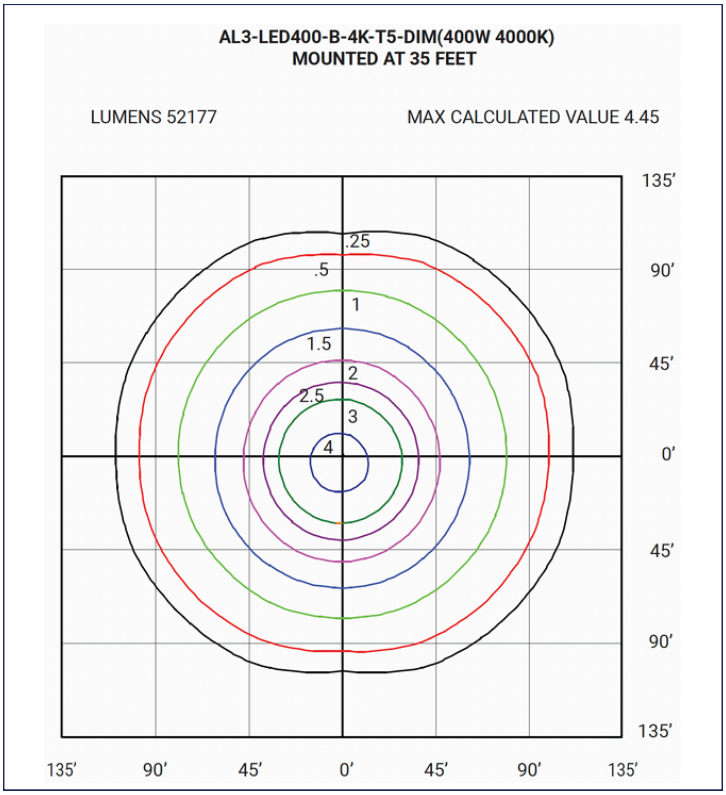




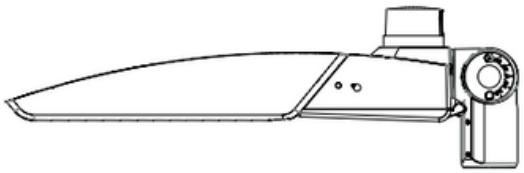

AL3-LED400-B-4K-T2-DIM(400W 4000K)
MOUNTED AT 35 FEET
LUMENS 51375
MAX CALCULATED VALUE 11.89
135′
90′
45′
0′
45′
90′
135′
.25
.5
1
2
5
9
7
3
11
135′ 90′ 45′ 0′ 45′ 90′ 135′


AL3-LED400-B-4K-T3-DIM(400W 4000K)
MOUNTED AT 35 FEET
LUMENS 45861
MAX CALCULATED VALUE 3.69
135′
90′
45′
0′
45′
90′
135′
.25
.5
1
1.5
2
2.5
3
3.5
180′ 135′ 90′ 45′ 0′ 45′ 90′ 135′ 180′

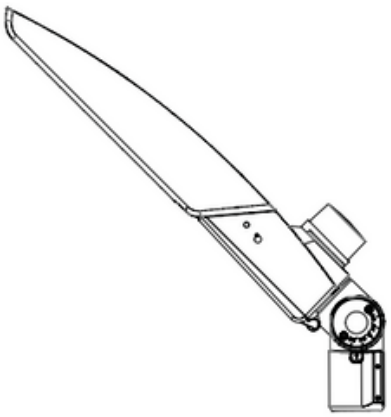

AL3-LED400-B-4K-T4-DIM(400W 4000K)
MOUNTED AT 35 FEET
LUMENS 45988
MAX CALCULATED VALUE 3.72
135′
90′
45′
0′
45′
90′
135′
.25
.5
1
1.5
2
2.5
3
3.5
180′ 135′ 90′ 45′ 0′ 45′ 90′ 135′ 180′


AL3-LED400-B-4K-T5-DIM(400W 4000K)
MOUNTED AT 35 FEET
LUMENS 52177
MAX CALCULATED VALUE 4.45
135′
90′
45′
0′
45′
90′
135′
.25
.5
1
1.5
2
2.5
3
4
135′ 90′ 45′ 0′ 45′ 90′ 135′

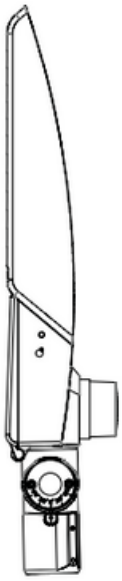
EPA RATING



0° TILT:
1.02



45° TILT:
2.90



90° TILT:
4.06