

Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

LED

ALK L | LED Large Area Light

Features:

- High performance LED technology
- 0-10V dimming drivers down to 10% with 12V Aux power tap
- Multiple mounting options for maximum versatility - trunnion, arm, slipfitter
- Precision crafted optics available in types II, III, IV, and V
- Integrated NEMA 3-pin twist-lock receptacle with shorting cap standard on all models

Applications:

Suitable for most exterior street or area light applications:

- Street Lighting
- Parking Lots
- Sign Lighting
- Building Facades

Ambient Operating Temp.:

- -40°C to 50°C

Warranty:

- 5 year limited system warranty
- see www.LumenFocus.com for complete warranty terms and conditions

Construction:

- Die cast aluminum housing with heat sink
- Durable dark bronze powder coat finish
- 6kV driver surge protection with 10kV external surge protection included
- Integral latch design for hassle-free, hinged access to driver

Certifications:

- UL certified for wet locations
- IP65
- RoHS Compliant



Predicted Lifetime:

- 50,000 hrs rated life
- L70 >54,000 hrs (*reported*)
- L70 >100,000 hrs (*calculated*)
- 82.6% lumen maintenance @ 54,000 hrs (*based on LM-80, TM-21 and in-situ laboratory testing*)



Ordering Guide:

example: ALK L HI 4 UV 840 AM ZPCUV BZ

Series	Size	Output	Optic	Voltage	CRI/CCT	Mounting	Controls	Finish
ALK	L							BZ
ALK	L Large	MD Medium	2 Type II	UV 120-277V	840 80 CRI/4000K	TR Trunnion Mount	Blank None	BZ Bronze
			3 Type III	HV 277-480V ⁽¹⁾	850 80 CRI/5000K	AM Fixed Arm Mount (For Square or Round Poles)	ZPCUV NEMA 3-pin Twist-Lock Photocell (120-277V)	
		HI High	4 Type IV			AMA Adjustable Arm Mount (For Square or Round Poles)	ZPCHV NEMA 3-pin Twist-Lock Photocell (277-480V)	
			5 Type V			SFA Adjustable Slip-Fitter Mount (fits 2-3/8" tenon)	ZOSMD Bi-Level Microwave Occupancy/Daylight Sensor ⁽²⁾	

Notes

⁽¹⁾ Available in HI output only

⁽²⁾ See page 4 for more details

Accessories (order separately)

ALKOSMDRC

Programming Remote for ZOSMD

ALKLGS

Reversible Front Side/Back Side Glare Shield

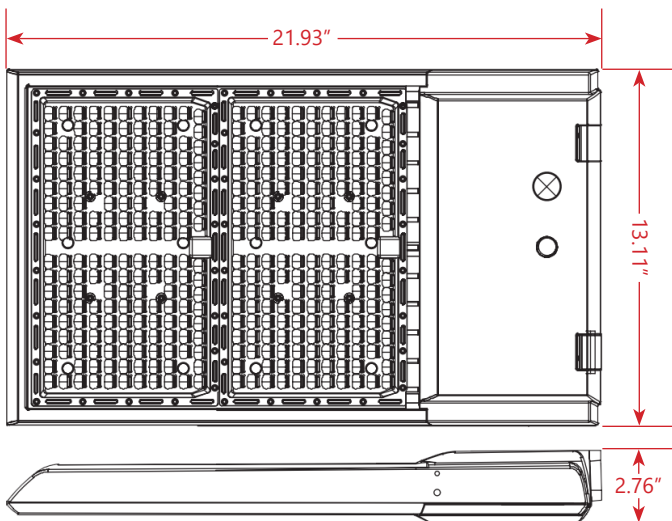


See [ALK product page](#) for available wall and pole mounting brackets

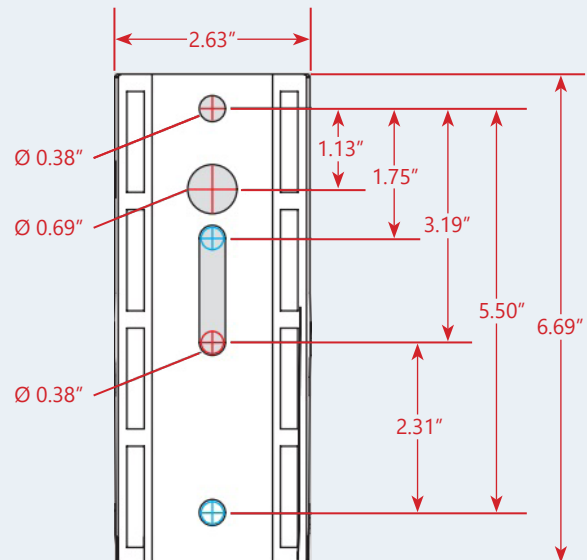
Weight:

ALK L MD: 17.64 lbs.
ALK L HI: 18.08 lbs.
TR mount: 3.10 lbs.
AM mount: 3.40 lbs.
AMA mount: 4.74 lbs.
SFA mount: 3.40 lbs.

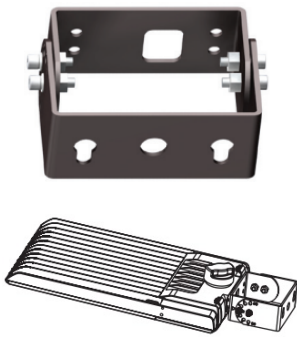
Schematics:



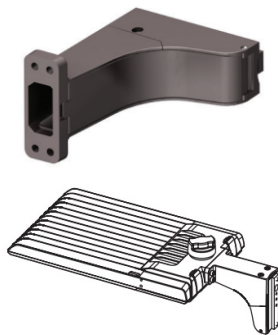
Drill Pattern for AM & AMA Arm Mounts



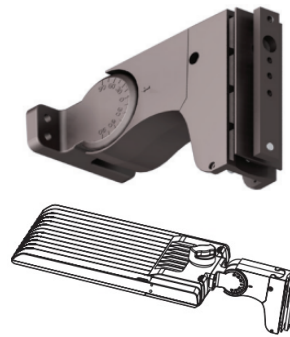
Mounting:



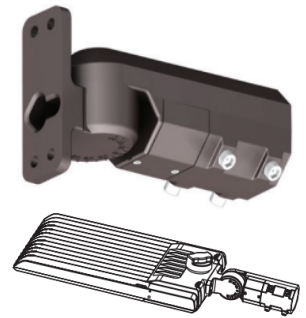
TR
Trunnion Mount



AM
Fixed Arm Mount



AMA
Adjustable Arm Mount



SFA
Adjustable Slip-fitter Mount

Performance Chart:

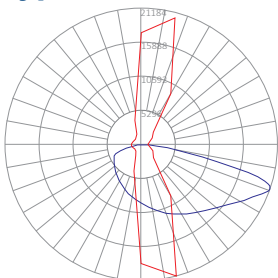
Catalog #	Lumens	Wattage	LPW	BUG Rating
ALK L MD 2 UV 840	29988	210	143.0	B3-U0-G3
ALK L MD 3 UV 840	29588	210	141.1	B3-U0-G4
ALK L MD 4 UV 840	29739	210	141.9	B3-U0-G4
ALK L MD 5 UV 840	29587	210	141.1	B5-U0-G5

Scaling Factor: 5000K = 1.025

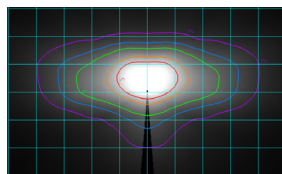
Catalog #	Lumens	Wattage	LPW	BUG Rating
ALK L HI 2 UV 840	41050	289	142.0	B4-U0-G4
ALK L HI 3 UV 840	40902	290	140.9	B3-U0-G4
ALK L HI 4 UV 840	41211	290	142.0	B4-U0-G4
ALK L HI 5 UV 840	41068	291	141.2	B5-U0-G5

Photometric Data:

Type II

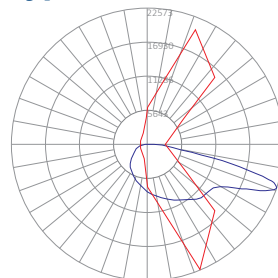


Vert. Plane —
Horiz. Cone —

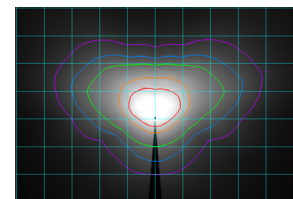


Mounting Height = 30'
Grid: 30' x 30' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type III

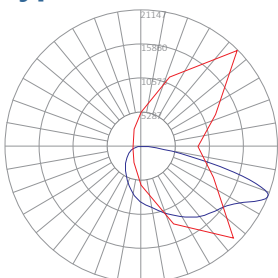


Vert. Plane —
Horiz. Cone —

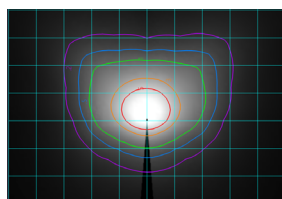


Mounting Height = 30'
Grid: 30' x 30' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type IV

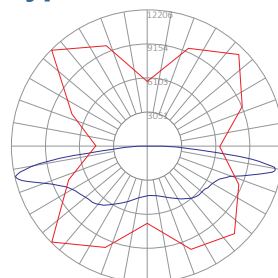


Vert. Plane —
Horiz. Cone —

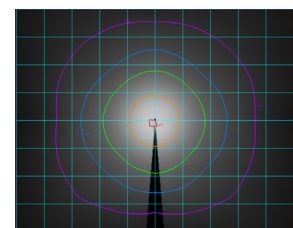


Mounting Height = 30'
Grid: 30' x 30' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type V



Vert. Plane —
Horiz. Cone —



Mounting Height = 30'
Grid: 30' x 30' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc



ZOSMD_: Bi-Level Microwave Occupancy/Daylight Sensor

- Adjustable performance parameters set by **ALKOSMDRC** remote control (sold separately)
- Max Mounting Height = 49'**
- Ambient Operating Temp: -25°C to 50°C
- Powered by 0-10V dimming LED driver
- Adjustable Settings:
 - Brightness: 100% / 90% / 80% / 70%
 - Sensitivity: 100% / 75% / 50% / 20%
 - Hold Time: 30 min / 10 min / 1 min / 10 sec
 - Daylight Threshold: 100 Lux / 50 Lux / 30 Lux / 10 Lux / Disable
 - Standby Time: ∞ / 60 min / 30 min / 1 min
 - Standby Dim Level: 50% / 30% / 20% / 10%

Factory Default Settings:

Standby Dim Level	Hold Time	Daylight Threshold	Standby Time
50%	10 min	Disabled	∞



ALKOSMDRC
Programming
Remote
(sold separately)

EPA Specifications:

Mount	Position	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°	2 Side by Side	3 Side by Side	4 Side by Side
AMA	Horizontal	0.62 ft ²	0.90 ft ²	1.24 ft ²	1.42 ft ²	1.48 ft ²	1.42 ft ²	0.74 ft ²	1.11 ft ²	1.48 ft ²
AMA	45°	1.85 ft ²	2.43 ft ²	1.85 ft ²	3.01 ft ²	4.42 ft ²	3.01 ft ²	3.70 ft ²	5.55 ft ²	7.40 ft ²
SFA	Horizontal	0.60 ft ²	0.98 ft ²	1.20 ft ²	1.53 ft ²	1.57 ft ²	1.53 ft ²	0.86 ft ²	1.30 ft ²	1.73 ft ²
SFA	45°	1.92 ft ²	2.51 ft ²	1.92 ft ²	3.09 ft ²	4.39 ft ²	3.09 ft ²	3.84 ft ²	5.76 ft ²	7.68 ft ²
SFA	Vertical	2.59 ft ²	3.19 ft ²	2.59 ft ²	3.80 ft ²	4.07 ft ²	3.80 ft ²	5.18 ft ²	7.77 ft ²	10.35 ft ²

Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations. All drag coefficients are set as worst case 1.2.

