



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

LED

ALK M | LED Medium 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 M MD 4 UV 840 AM ZPCUV BZ

Series	Size	Output	Optic	Voltage	CRI/CCT	Mounting	Controls	Finish
ALK	M	MD						BZ
ALK	M Medium	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	850 80 CRI/5000K	AM Fixed Arm Mount (For Square or Round Poles)	ZPCUV NEMA 3-pin Twist-Lock Photocell (120-277V)	
			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 ⁽¹⁾	

Notes

⁽¹⁾ See page 4 for more details

Accessories (order separately)

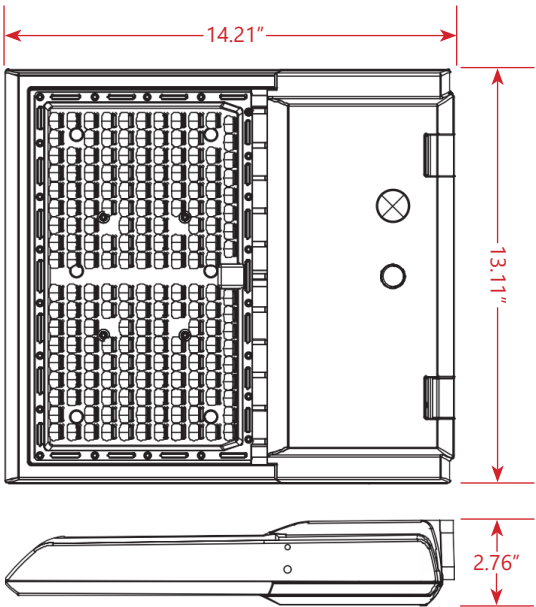
ALKOSMDRC Programming Remote for ZOSMD
ALKMGS Reversible Front Side/Back Side Glare Shield



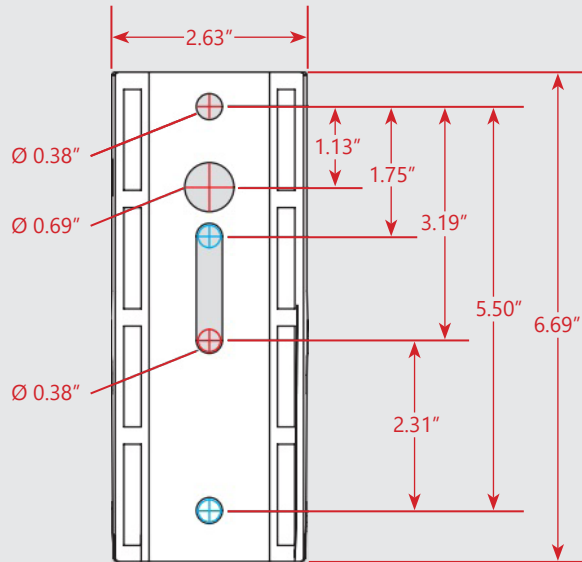
See [ALK product page](#) for available wall and pole mounting brackets

Weight:
ALK M MD: 13.45 lbs.
TR mount: 3.10 lbs.
AM mount: 3.40 lbs.
AMA mount: 4.74 lbs.
SFA mount: 3.40 lbs.

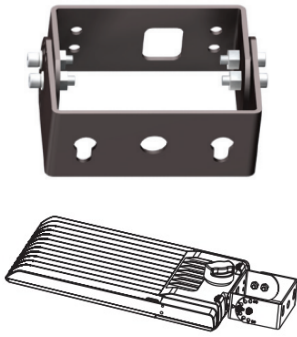
Schematics:



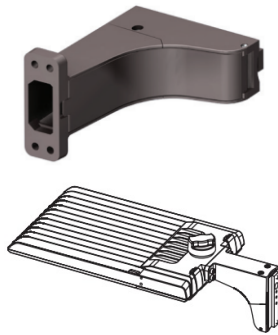
Drill Pattern for AM & AMA Arm Mounts



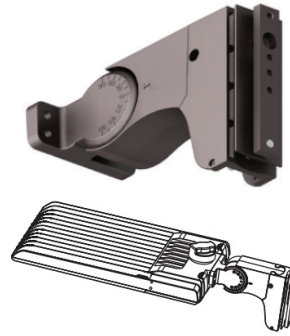
Mounting:



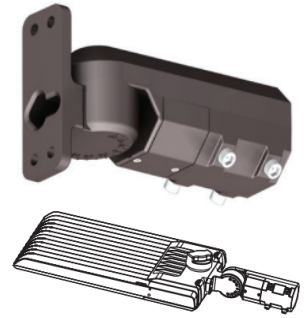
TR
Trunnion Mount



AM
Fixed Arm Mount



AMA
Adjustable Arm Mount



SFA
Adjustable Slip-fitter Mount

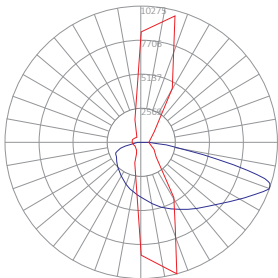
Performance Chart:

Catalog #	Lumens	Wattage	LPW	BUG Rating
ALK M MD 2 UV 840	19663	139	141.0	B3-U0-G3
ALK M MD 3 UV 840	19415	139	139.4	B3-U0-G3
ALK M MD 4 UV 840	19690	139	141.3	B3-U0-G3
ALK M MD 5 UV 840	19250	139	138.2	B4-U0-G4

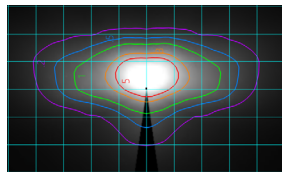
Scaling Factor: 5000K = 1.025

Photometric Data:

Type II

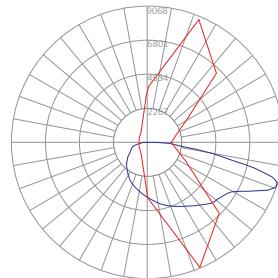


Vert. Plane
Horiz. Cone

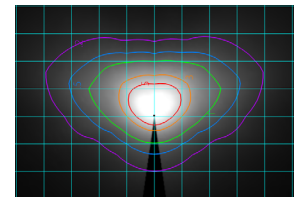


Mounting Height = 20'
Grid: 20' x 20' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type III

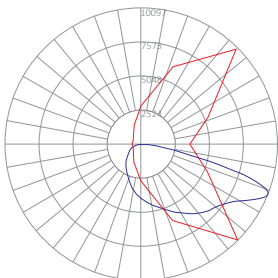


Vert. Plane
Horiz. Cone

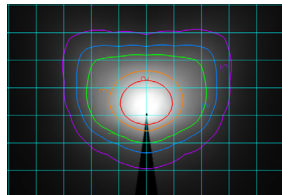


Mounting Height = 20'
Grid: 20' x 20' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type IV

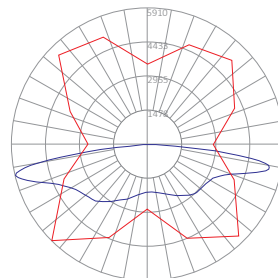


Vert. Plane
Horiz. Cone

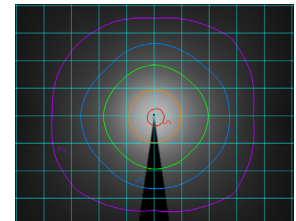


Mounting Height = 20'
Grid: 20' x 20' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type V



Vert. Plane
Horiz. Cone



Mounting Height = 20'
Grid: 20' x 20' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

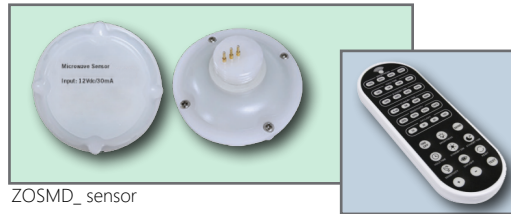


ZOSMD_: Bi-Level Microwave Occupancy/Daylight Sensor

- 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	∞



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	0.50 ft²	0.78 ft²	1.01 ft²	1.19 ft²	1.28 ft²	1.19 ft²	0.74 ft²	1.11 ft²	1.48 ft²
AMA	45°	1.27 ft²	1.73 ft²	1.27 ft²	2.20 ft²	3.10 ft²	2.20 ft²	2.53 ft²	3.80 ft²	5.07 ft²
SFA	Horizontal	0.48 ft²	0.87 ft²	0.97 ft²	1.30 ft²	1.37 ft²	1.30 ft²	0.86 ft²	1.30 ft²	1.73 ft²
SFA	45°	1.34 ft²	1.80 ft²	1.34 ft²	2.28 ft²	3.06 ft²	2.28 ft²	2.67 ft²	4.01 ft²	5.35 ft²
SFA	Vertical	1.76 ft²	2.25 ft²	1.76 ft²	2.73 ft²	2.94 ft²	2.73 ft²	3.53 ft²	5.29 ft²	7.06 ft²

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

