



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

LED

ALK S | LED Small 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 S HI 4 UV 840 AM ZPCUV BZ

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

Notes

⁽¹⁾ See page 4 for more details

Accessories (order separately)

ALKOSMDRC

Programming Remote for ZOSMD

ALKSGS

Reversible Front Side/Back Side Glare Shield

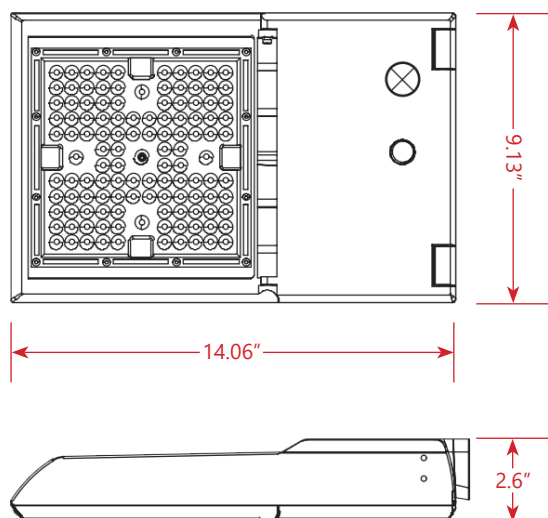


See [ALK product page](#) for available wall and pole mounting brackets

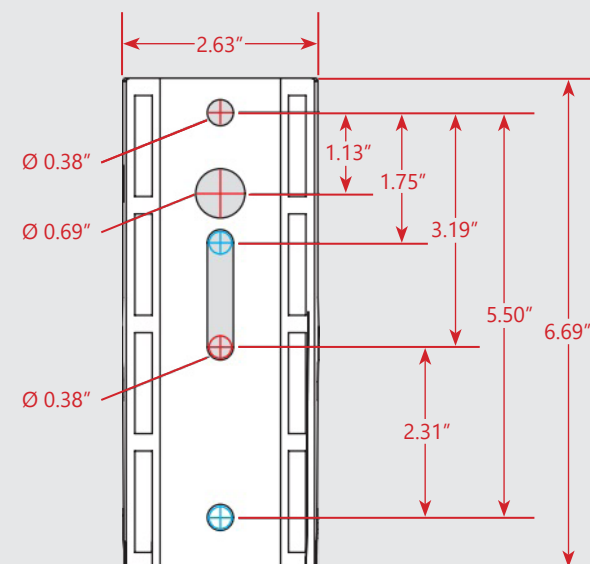
Weight:

ALK S MD: 8.82 lbs.
ALK S HI: 9.26 lbs.
TR mount: 3.10 lbs.
AM mount: 3.40 lbs.
AMA mount: 4.74 lbs.
SFA mount: 3.40 lbs.

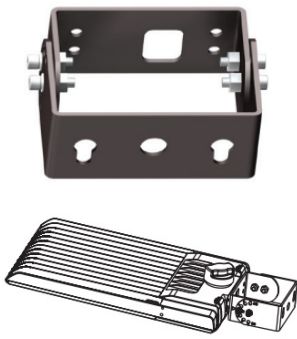
Schematics:



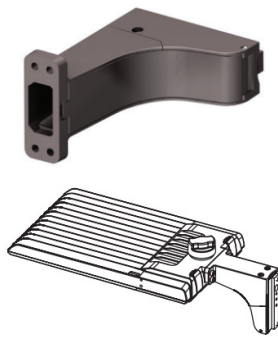
Drill Pattern for AM & AMA Arm Mounts



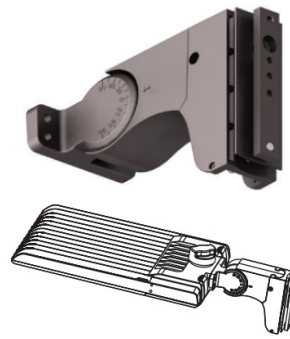
Mounting:



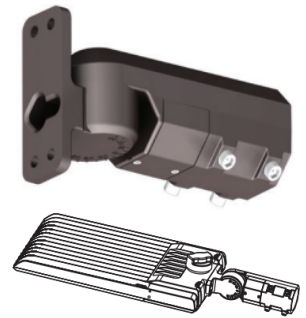
TR
Trunnion Mount



AM
Fixed Arm Mount



AMA
Adjustable Arm Mount



SFA
Adjustable Slip-fitter Mount

Performance Chart:

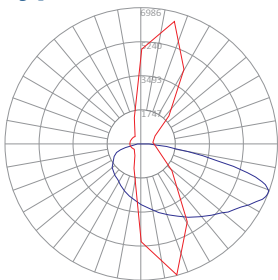
Catalog #	Lumens	Wattage	LPW	BUG Rating
ALK S MD 2 UV 840	9446	68	139.2	B2-U0-G2
ALK S MD 3 UV 840	9300	67	138.2	B2-U0-G2
ALK S MD 4 UV 840	9267	67	137.8	B2-U0-G2
ALK S MD 5 UV 840	9318	67	138.6	B3-U0-G3

Scaling Factor: 5000K = 1.025

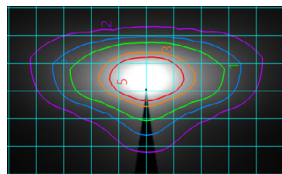
Catalog #	Lumens	Wattage	LPW	BUG Rating
ALK S HI 2 UV 840	14088	101	139.9	B2-U0-G2
ALK S HI 3 UV 840	13856	100	137.9	B2-U0-G2
ALK S HI 4 UV 840	13730	100	137.0	B2-U0-G2
ALK S HI 5 UV 840	13862	100	138.3	B4-U0-G3

Photometric Data:

Type II

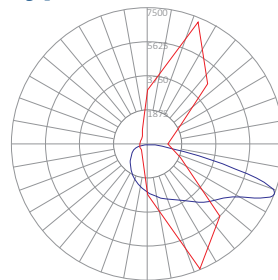


Vert. Plane —
Horiz. Cone —

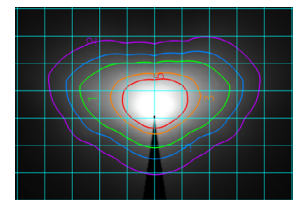


Mounting Height = 15'
Grid: 15' x 15' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type III

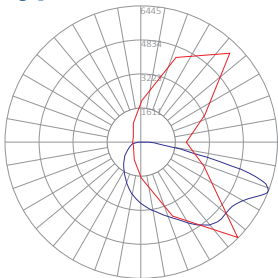


Vert. Plane —
Horiz. Cone —

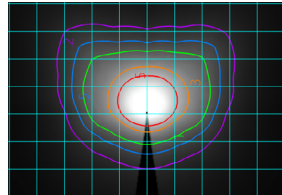


Mounting Height = 15'
Grid: 15' x 15' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type IV

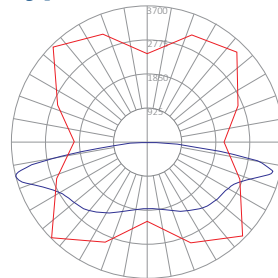


Vert. Plane —
Horiz. Cone —

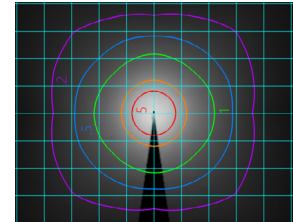


Mounting Height = 15'
Grid: 15' x 15' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

Type V



Vert. Plane —
Horiz. Cone —



Mounting Height = 15'
Grid: 15' x 15' squares
Isolines at:
5fc/3fc/1fc/0.5fc/0.2fc

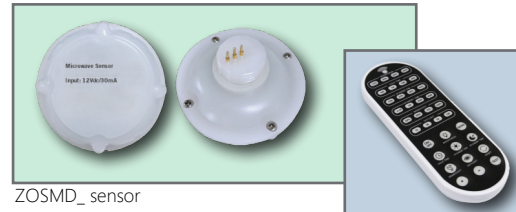


ZOSMD_: Bi-Level Microwave Occupancy/Daylight Sensor

- 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	0.50 ft²	0.73 ft²	1.00 ft²	1.17 ft²	1.21 ft²	1.17 ft²	0.56 ft²	0.85 ft²	1.13 ft²
AMA	45°	0.93 ft²	1.41 ft²	1.00 ft²	1.89 ft²	2.57 ft²	1.89 ft²	1.86 ft²	2.78 ft²	3.71 ft²
SFA	Horizontal	0.48 ft²	0.81 ft²	0.96 ft²	1.28 ft²	1.31 ft²	1.28 ft²	0.69 ft²	1.04 ft²	1.38 ft²
SFA	45°	1.00 ft²	1.48 ft²	1.00 ft²	1.94 ft²	2.63 ft²	1.96 ft²	2.00 ft²	3.00 ft²	4.00 ft²
SFA	Vertical	1.32 ft²	1.79 ft²	1.32 ft²	2.27 ft²	2.70 ft²	2.27 ft²	2.64 ft²	3.95 ft²	5.27 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.

