

LED AREA /SHOE BOX/STREET LIGHT

Power:75W-400W, up to1200W replacement, a true smart New Generation LED shoebox light



O T S E R I E S

UP TO **170**LM/W
www.aokledlight.com



PHILIPS
LUMILEDS



OPTICAL SYSTEM

- Precision engineered lens made of optical grade Mitsubishi polycarbonate for maximum light intensity.
- Type III, Type IV, Type V light patterns are available, right distribution for right project.
- Designed to provide the right amount of light on any small or medium lot, no matter the shape.
- Delivers improved visual comfort by lower glare and providing a wider smoother and more uniform light output.
- Available in 3000K, 4000K, 5000K, 5700K, 6500K CCT.
- Efficacy 140lm/W and 170lm/W optional, higher lumen output, precision light pattern ensure more energy saved.
- Cutoff classification: Cut-off, no uplight pollution.
- Minimum CRI of 70, 80, and 90 optional.

ELECTRICAL

- Standard universal voltage (100-240/277Vac) input, 50/60Hz, 347/480V option.
- L90 calculated life: 50,000+ hours.
- 0-10V/ PMW/ Timer dimming, 3 Timer Modes, Dim-to-Off with Standby Power ≤ 0.5W.
- Constant current driver, 100-277Vac, 50-60Hz, 347/480V.
- High efficiency driver: up to 93.5%, minimum efficiency 87.5%.
- Input Surge Protection: 6kV line-line, 10kV line-earth.
- Photocell, PIR sensor, 20KV SPD available.

up to 170lm/w

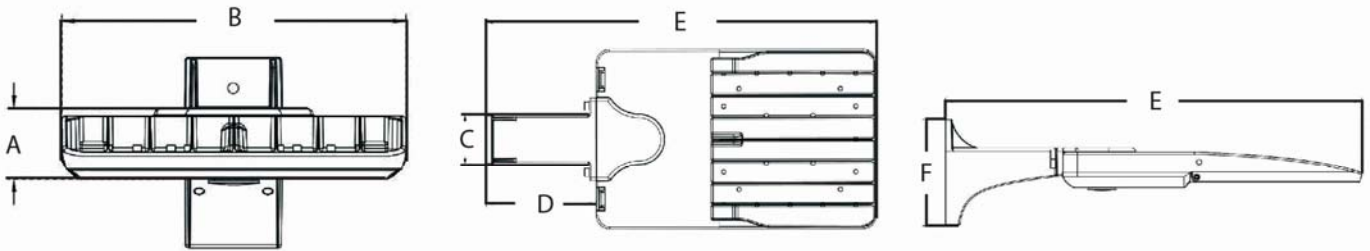
OT SERIES



CERTIFICATIONS/LISTINGS



FIXTURE DIMENSIONS

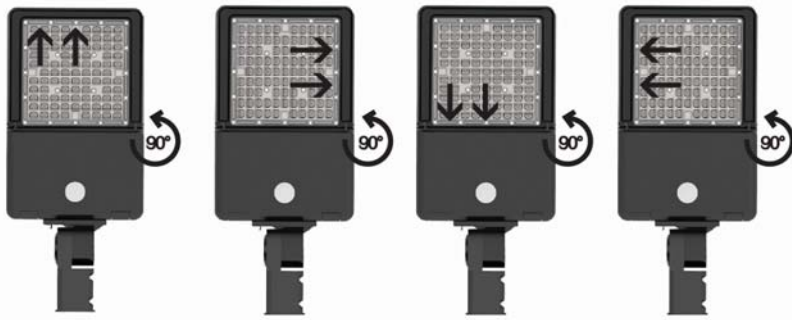


A	B	C	D	E	F
Dimensions of 75W, 115W and 145W models					
56mm/ 2.2"	270mm/ 10.6"	77mm/ 3.0"	165mm/ 6.49"	585mm/ 23"	150mm/ 5.9"
Dimensions of 180W, 200W, 230W and 250W models					
56mm/ 2.2"	350mm/ 13.7"	77mm/ 3"	165mm/ 6.49"	679mm/ 26.7"	150mm/ 5.9"

ORDERING INFORMATION

AOK								
Wattage	Voltage	LED Chips	Type of sensor	CCT & CRI	Beam Angle	Brackets	HOUSING	OPTIONS
75WoT	NV=100-277V	L3=LUMILEDS3030	00=Without sensor	3070=3000K 70CRI	T3=TYPE 3	A=Slip Fitter	BK = BLACK	SPD10KV
115WoT	HV=347/480V	L5=LUMILEDS5050	SN=Motion sensor	3570=3500K 70CRI	T4=TYPE 4	B=Adjustable Arm	BZ = BRONZE	SPD20KV
145WoT		O5=OSRAM5050	PH=Photocell	5070=5000K 70CRI	T5=TYPE 5	Mount	WH = WHITE	DIP
180WoT			DV=Dimmable	5770=5700K 70CRI		C=Trunnion Mount	SG = SILVER GRAY	SWITCH
200WoT				3080=3000K 80CRI		E=Square Pole Mount		
230WoT				4080=4000K 80CRI		F=Round Pole Mount		
250WoT				5080=5000K 80CRI				
300WoT				5780=5700K 80CRI				
400WoT								

EASY LIGHT DISTRIBUTION



The oT area luminaire comes standard with field-rotatable optics
Simply rotate the lens and get light distribution in different directions!

SMART DESIGN



1. Space reserved for photocell sensor
2. Space reserved for occupancy sensor with waterproof seal
3. Tool-free maintenance

MECHANICAL

- Designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED span.
- The housing is made of die-casting aluminum alloy and utilizes external fins ensure greater heat dissipation.
- Anti-corrosion coating.
- Light in Weight: 11lbs for small body and 12lbs for large body.

MOUNTING

- 5 different mounting brackets simplify your installation job, make installation to any style of pole quicker and easier.
- Customized pole adapters available for special installation. Consult AOK for details.

CERTIFICATES

- AOK oT area luminaires have been tested by UL authorized lab in accordance with IESNA LM-79 & LM-80.
- Listed to UL 1598 and UL 8750, UL File number: E497331.
- FCC certified.
- DLC Premium qualified, eligible for rebates.
- Suitable for wet locations.

SERVICE

- Consult AOK for luminosity modeling / lighting simulation.

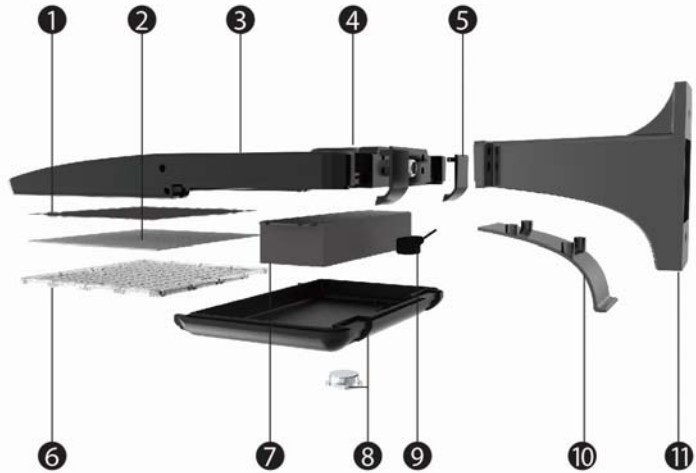
TECHNICAL SPECIFICATIONS

MODEL	WATTS	Replace MHL (170LPW)	LUMEN OUTPUT	FIXTURE DIMENSION	NW	IP & IK
75WoT	75W	300W	13121	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	IP66&IK08
115WoT	115W	400W	18689	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	
145WoT	145W	500W	24699	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	
180WoT	180W	600W	30870	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
200WoT	200W	750W	33012	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
230WoT	230W	850W	36162	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
300WoT	300W	1000W	42000	30*14*3.0" (740*360*75mm)	16.53lbs (7.5kg)	
400WoT	400W	1200W	56000	30*14*3.0" (740*360*75mm)	16.53lbs (7.5kg)	

MODEL	WATTS	Replace MHL (130LPW)	LUMEN OUTPUT	FIXTURE DIMENSION	NW	IP & IK
75WoT	75W	200W	10764	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	IP66&IK08
115WoT	115W	300W	15066	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	
145WoT	145W	400W	19522	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)	
180WoT	180W	500W	25648	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
200WoT	200W	600W	28058	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
230WoT	230W	750W	31123	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
250WoT	250W	1000W	32500	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)	
300WoT	300W	850W	39000	30*14*3.0" (740*360*75mm)	16.53lbs (7.5kg)	
400WoT	400W	1000W	52000	30*14*3.0" (740*360*75mm)	16.53lbs (7.5kg)	

CONSTRUCTION FEATURES

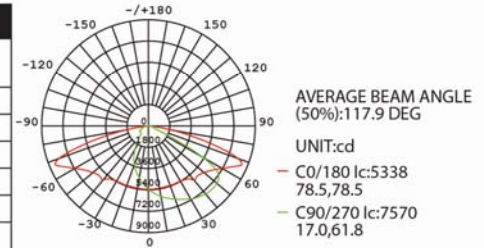
1. Super efficient heat dissipation layer
 2. Light source: PCB board with LEDs
 3. Die casting aluminum unibody main housing, IP66
 4. Space for 5/7 pin receptacle upgradable for photo-cell sensor and smart systems
 5. Tool free buckle to driver access panel
 6. Optical grade rotatable PC lens Type III / IV / V
 7. Top level 1-10V dimmable driver 100-277V / 347V / 480V optional
 8. Tool free driver access panel with space reserved for occupancy sensor covered by removable cap fits with Wattstopper FSP sensor
 9. Surge protection device
 10. Bracket access panel for wiring
 11. Exchangable bracket fits round / square pole.
- Other brackets optional such as yoke, trunnion, etc



PHOTOMETRY

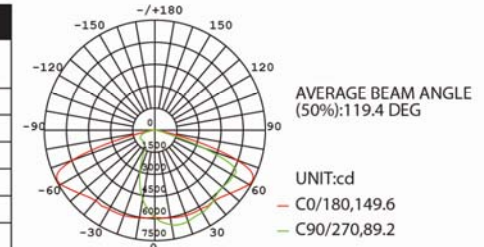
TYPE III MEDIUM DISTRIBUTION (160-170LM/W)

Wattage		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B2-U1-G2	12876	12998	13121	13182
115W	B3-U0-G2	18375	18532	18689	18767
145W	B3-U0-G3	24018	24358	24699	24869
180W	B3-U0-G3	29970	30420	30870	31096
200W	B4-U0-G3	32092	32552	33012	33243
230W	B4-U0-G3	35182	35672	36162	36408



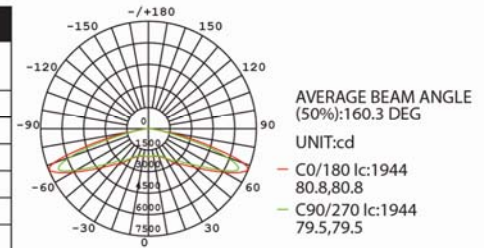
TYPE IV MEDIUM DISTRIBUTION (160-170LM/W)

Wattage		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B3-U0-G2	12876	12998	13121	13182
115W	B3-U0-G3	18375	18532	18689	18767
145W	B3-U0-G3	24018	24358	24699	24869
180W	B3-U0-G4	29970	30420	30870	31096
200W	B4-U0-G4	32092	32552	33012	33243
230W	B4-U0-G4	35182	35672	36162	36408



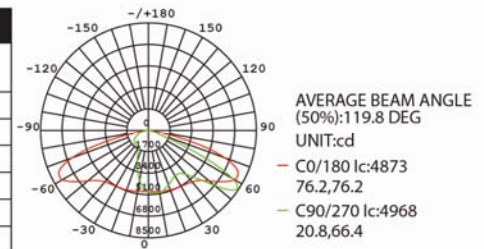
TYPE V MEDIUM DISTRIBUTION (160-170LM/W)

Wattage		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B4-U0-G2	12876	12998	13121	13182
115W	B4-U0-G2	18375	18532	18689	18767
145W	B5-U0-G3	24018	24358	24699	24869
180W	B5-U0-G4	29970	30420	30870	31096
200W	B5-U0-G4	32092	32552	33012	33243
230W	B5-U0-G4	35182	35672	36162	36408



TYPE III MEDIUM DISTRIBUTION (130-140LM/W)

Wattage		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B2-U1-G2	10425	10650	10764	10875
115W	B3-U0-G3	14720	14950	15066	15180
145W	B3-U0-G3	18560	19140	19522	19575
180W	B3-U0-G3	23040	25200	25648	26100
200W	B3-U0-G3	25600	27000	28058	28000
230W	B3-U3-G3	29440	29900	31123	31280



All published Luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited Laboratory.

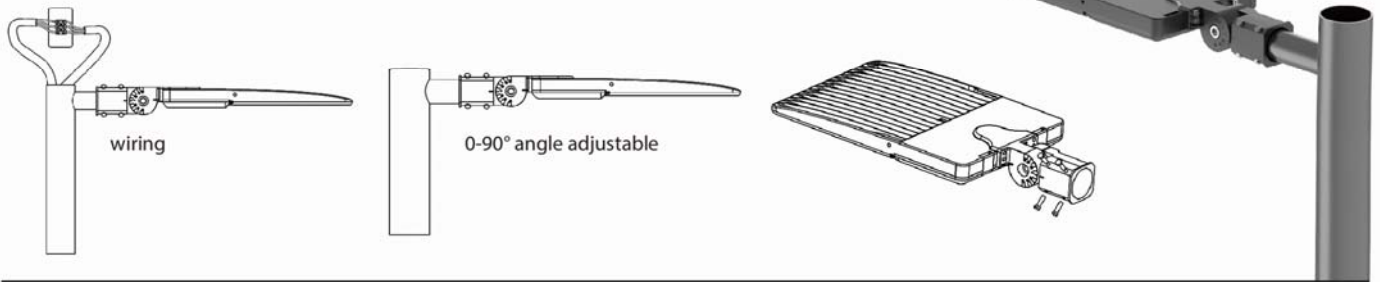


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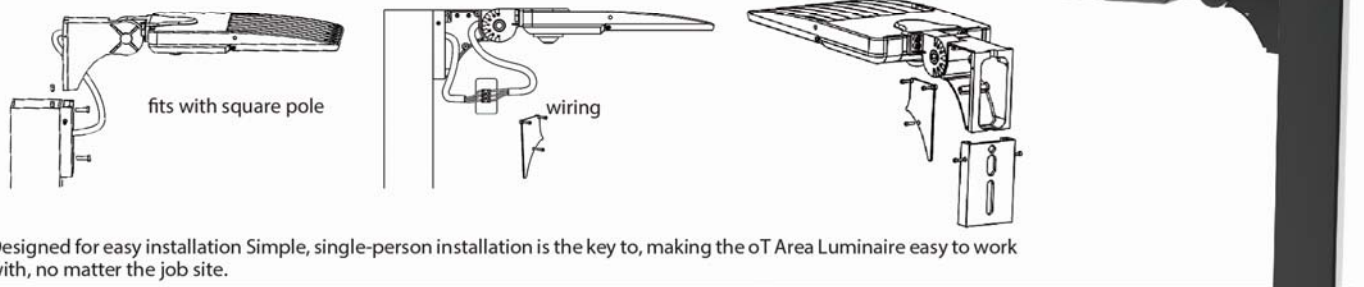
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ACCESSORIES: ORDER SEPARATELY

Type A - Slip Fitter

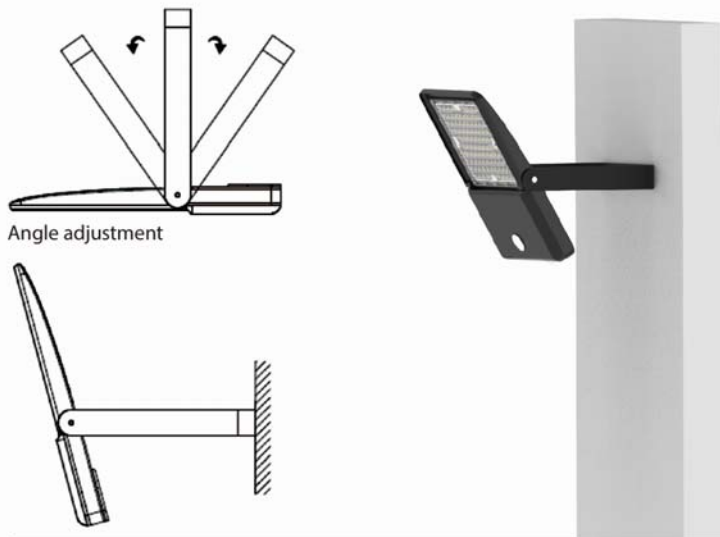


Type B - Adjustable Arm Mount

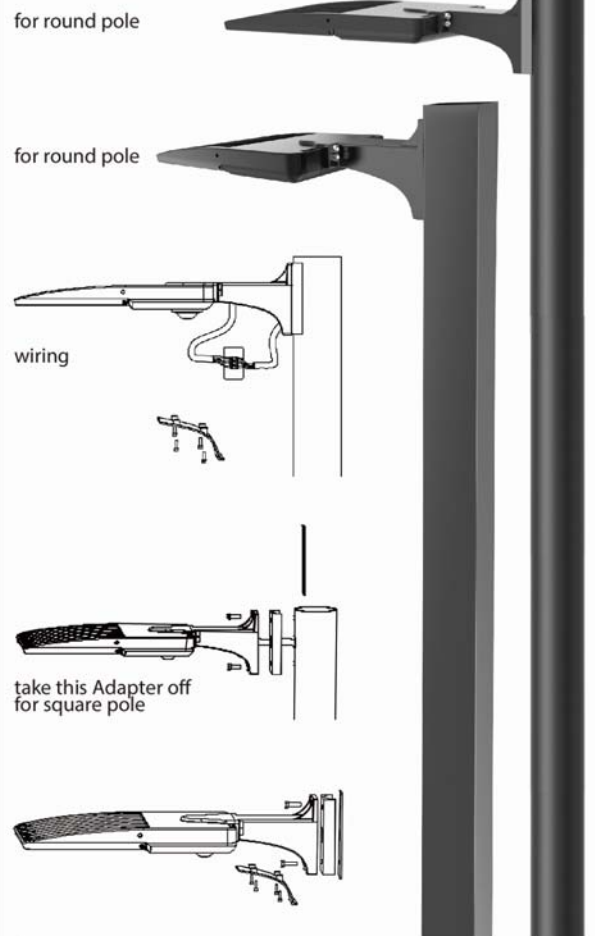


Designed for easy installation Simple, single-person installation is the key to, making the oT Area Luminaire easy to work with, no matter the job site.

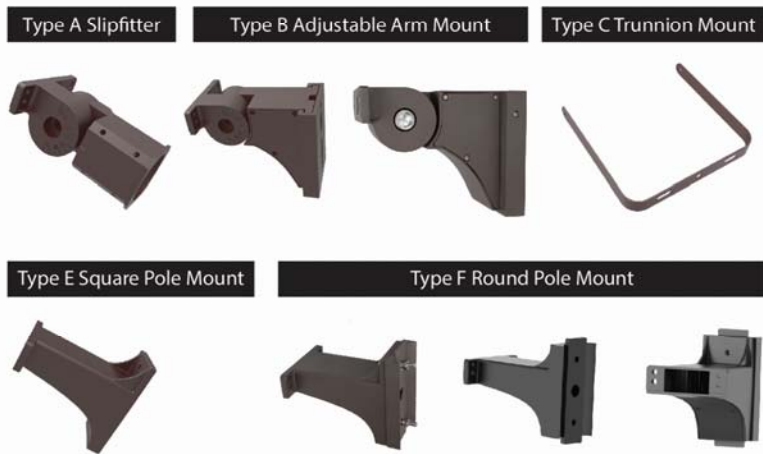
Type C - U Shape Bracket



Type E/F - Direct Arm Mount (For Square / Round poles)



ACCESSORIES: ORDER SEPARATELY



Every AOK OT LED area product comes with integral universal mounting, which allows the luminaire to mount to virtually any existing drill hole pattern on either square or round poles.