AL-SL4
LED SHOEBOX/AREA LIGHT

Apex Lighting

QUICK SHIP | 5 YEAR WARRANTY | IP65 | 10KV | Dimmable | Wet location | EK25

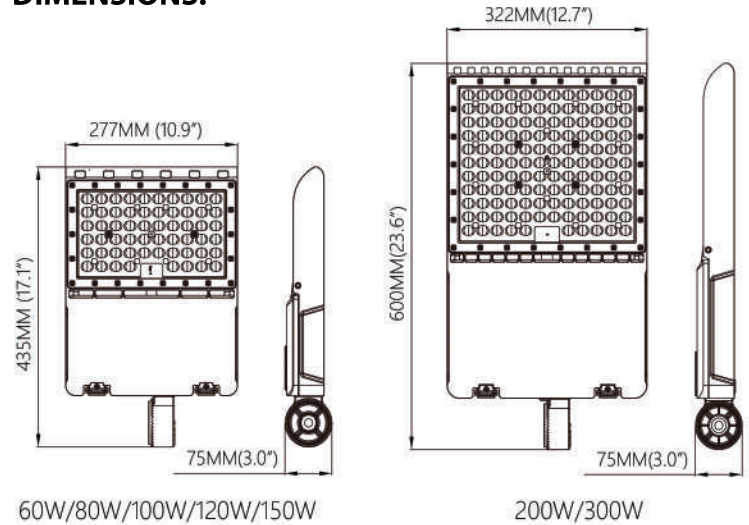DLC PREMIUM | UL CERTIFIED | GS | FC | CE | SAA APPROVALS | RoHS

The LED area light is a device that consists of an aluminum alloy frame, LED light source model and driver. It can be a replacement of HID and other traditional light fixtures, provided with higher efficacy, a longer lifetime of at least 50,000H or even more up to100,000H. Very low breakdown opportunity, higher reliability and better cost than any light before.
The high-performance, IP65-rated luminaire delivers a minimum of 150 lm/W, providing significant energy savings while remaining durable in the field.

FEATURES
• European and American design style, high quality aluminum die casting, DUPONT powder painting process, round shape design, never fade, anti-cracking.
• Adopt aerodynamic design, takes heat away quickly, keeps low temperature for heat sink and LED chip for longer lifespan and higher light efficiency.
• A variety of installation ways, suitable for round pole, square pole, wall, ground and so on. All the screws are SUS316 stainless steel screws with stronger corrosion resistance ability.
• SMD3030 led chip, high CRI, light efficiency up to 150 lm/W, low light decay and long lifespan.
• SOSEN high efficiency series 10KV anti-surge LED driver, installed on die casting cover of led driver, takes heat away quickly to keep lower temperature and longer lifespan.
• Use waterproof connector can prevent wire drag, and Waterproof more reliable.
• Through various of experimental tests: wind resistance level test, conduction radiation, 1.5G seismic test, UV aging test, drop, stacking test etc.

DIMENSIONS:

277MM (10.9") | 435MM (17.1") | 75MM(3.0")
60W/80W/100W/120W/150W

322MM(12.7") | 600MM(23.6") | 75MM(3.0")
200W/300W

TECHNICAL PARAMETERS

DATA SHEET

Model	Typical Wattage (W)	Input voltage (V)	Luminous (Lumen)	Efficacy (lm/W)	Dimmable	Typical CCT (K)	CRI	Beam Angle	LED Chip	PF	IP Rate	Dimension (Bracket not included) (L*W*H)
AL-SL4-60WBCD-EFGH-S4JKL-MN	60W	AC100 - 277V AC277 - 480V	9000 lm	150 lm/W	0-10V	2700K / 3000K / 4000K / 5000K / 5700K / 6500K	Ra70	TYPE3 / TYPE4 / TYPE5	3030	>0.95	IP65	435x277x75 MM 17.1x10.9x3.0 INCH
AL-SL4-80WBCD-EFGH-S4JKL-MN	80W		12000 lm									
AL-SL4-100WBCD-EFGH-S4JKL-MN	100W		15000 lm									
AL-SL4-120WBCD-EFGH-S4JKL-MN	120W		18000 lm									
AL-SL4-150WBCD-EFGH-S4JKL-MN	150W (Small)		22500 lm									
AL-SL4-150WBCD-EFGH-M4JKL-MN	150W (Medium)		22500 lm									520x277x75 MM 20.5x10.9x3.0 INCH
AL-SL4-200WBCD-EFGH-M4JKL-MN	200W		30000 lm									
AL-SL4-240WBCD-EFGH-L4JKL-MN	240W		36000 lm									600x322x75 MM 23.6x12.7x3.0 INCH
AL-SL4-300WBCD-EFGH-L4JKL-MN	300W		45000 lm									

Lighting the World one bulb at a time!

AL-SL4
LED SHOEBOX/AREA LIGHT

APPLICATION
Outdoor roadway mainly
large industrial area, parking field, sidewalks
IP65,wet location
Working temperature:-40°C to +50°C

ELECTRONIC DATA
Input voltage:100-277Vac, 277-480Vac
10KV surge protection
PF>90% and THD<10% (full loading)
Free of flickering

SMART FUNCTION
Dimming function with 3 in1(continual dimming)
Optional for motion sensor and photocell controller

OPTICS
CCT:2700-6500K
CRI:Ra70
Light efficacy: up to 150 lm/W
Beam angle :Type3/Type4/Type5

OTHERS
Pole and wall mounting
Shell materials: Aluminum die casting & PC
Finishing: Brown/White/Black/Customerization
5 years warranty

APPLICATION CASE

LED Shoebox / Area Light can be widely used in Parking lot. Urban roads. Industrial areas. Residential areas. Sidewalks Schools. Gardens and etc

Inner Mongolia Hailar Airport | Parking area of Ford 4s in USA | Los Angeles Port project - USA | Denver tennis court, Colorado - USA
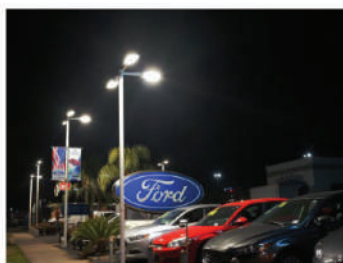
MODEL NOMENCLATURE

| Electronic chart.				Optical chart.				Structure				Smart function	
A	B	C	D	E	F	G	H	I	J	K	L	M	N
Rated power	Input voltage	Driver brand	Dimming	CCT	CRI	LED CHIP	Beam Angle	Dimension	Color	Installation	Lens	Surge Protector	Sensor
60W 80W 100W 120W 150W 200W 240W 300W	L-100~277V H-277~480V	Blank 1-SOSEN 2-MEANWELL 5-FAHOLD	Blank -No dimmable D-Dimmable	27K-2700K 30K-3000K 40K-4000K 50K-5000K 57K-5700K 60K-6000K 65K-6500K	70-Ra70 80-Ra80	1 Seoul3030 2 Tongyifang3030 3 Osram3030	T1 -TYPE 1 T2-TYPE 2 T3-TYPE 3 T4-TYPE 4 T5-TYPE 5	S4 M4 L4	BK -Black BR -Brown WH-White	Blank -Non-bracket A-Bracket A C-Bracket C D-Bracket D E -Bracket E F-Bracket F	Blank-PC G -Glass	Blank -No surge protector SP -Surge protector	Blank -Sensorless L -Photocell M-Motion sensor S -Photocell+motion sensor

Apex Lighting

INSTALLATION DIAGRAM

Bracket A

Slip Fitter mount bracket
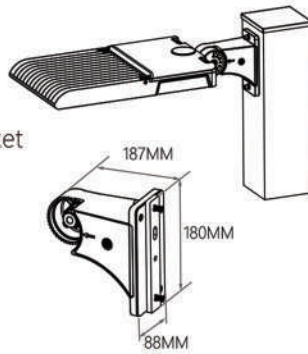Application: Round Pole
Adjustable range:-90°~+90 °
Division:8 °

181MM
77MM
Ø65
77MM
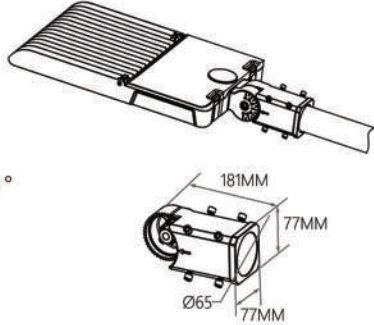
Bracket C

Adjustable Round Pole Arm bracket
Application: Round Pole
Adjustable range:-90 °~+90 °
Division:8°

196MM
180MM
88MM
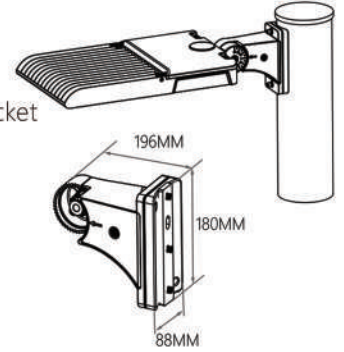
Bracket D

Adjustable Square Pole Arm bracket
Application: Square Pole
Adjustable range:-90 °~+90 °
Division:8 °

187MM
180MM
88MM

Bracket E

YOKE bracket
Application: Wall mount
Adjustable range:-90°~+90 °
Division:8°

170MM
75MM
88MM
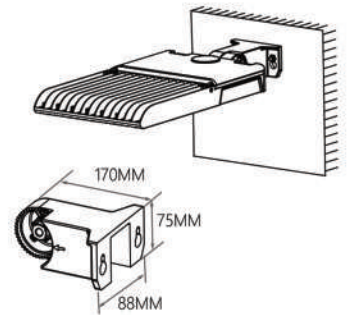
Bracket F

U-bracket
Application: Wall/Pole
Adjustable range: -90°~+90 °
Division: Continuous

360MM
60MM
350MM
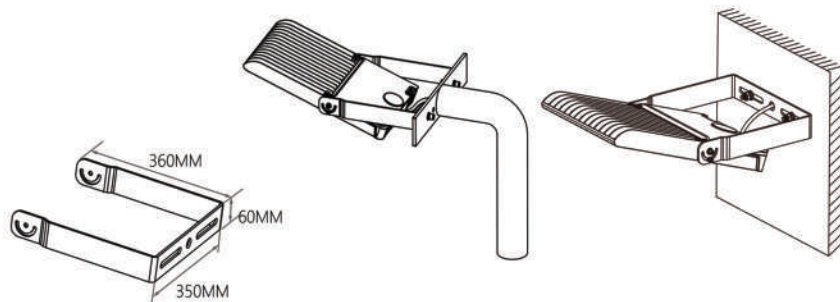
Notice For User

1. Read the installation instructions before install the luminaire.
2. The input voltage and lamps should be matched, after connecting the power line, please make sure the wiring section is insulated.
3. No-professionals, must not install and disassemble the lamps.

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OPTION INSTALLATION

Instructions for Photocell

When the photocell function is required, photocell should be installed on the back of fixture;
When it't not repuired, shorting cap should be installed on the back of fixture.

- Shorting Cap
- Photocell
- Socket
- Fixture
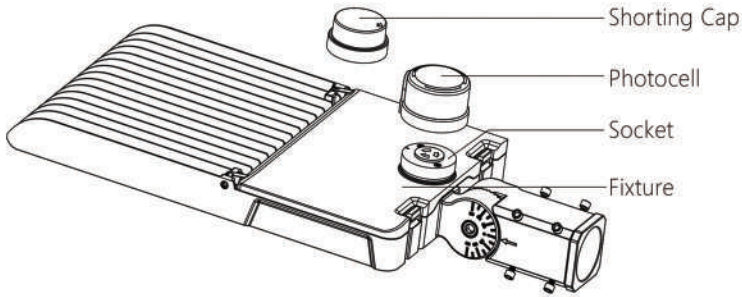
Step1
Shorting cap or photocell is matched to the base holes.

Step2
Turn the shorting cap or photocell clockwise.
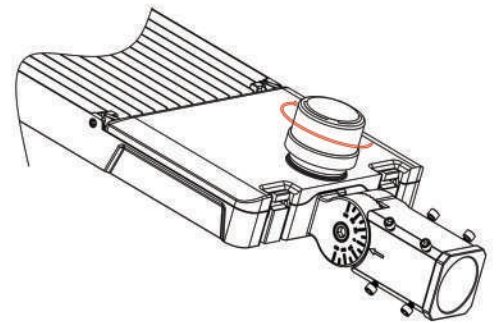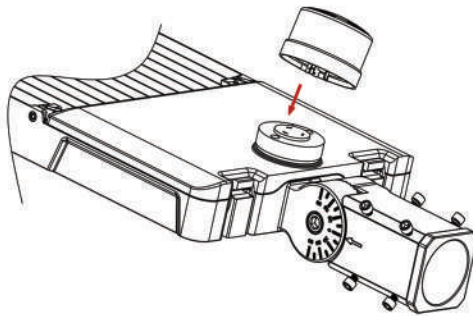
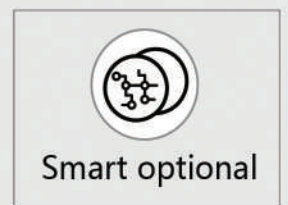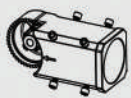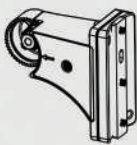Photocell sensor   Shorting cap   Surge protector   Smart optional
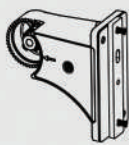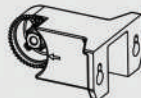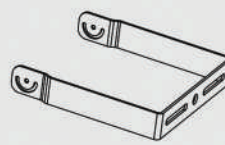
A Slip fitter mount   **C** Round Pole Arm   **D** Square Pole Arm   **E** Yoke   **F** U-Bracket   ......   Bracket optional

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PHOTOMETRIC DATA

	TYPE 3	TYPE 4	TYPE 5
60-150W 20 ft mountion height			
150-200W 25 ft mountion height			
200-300W 30 ft mountion height			
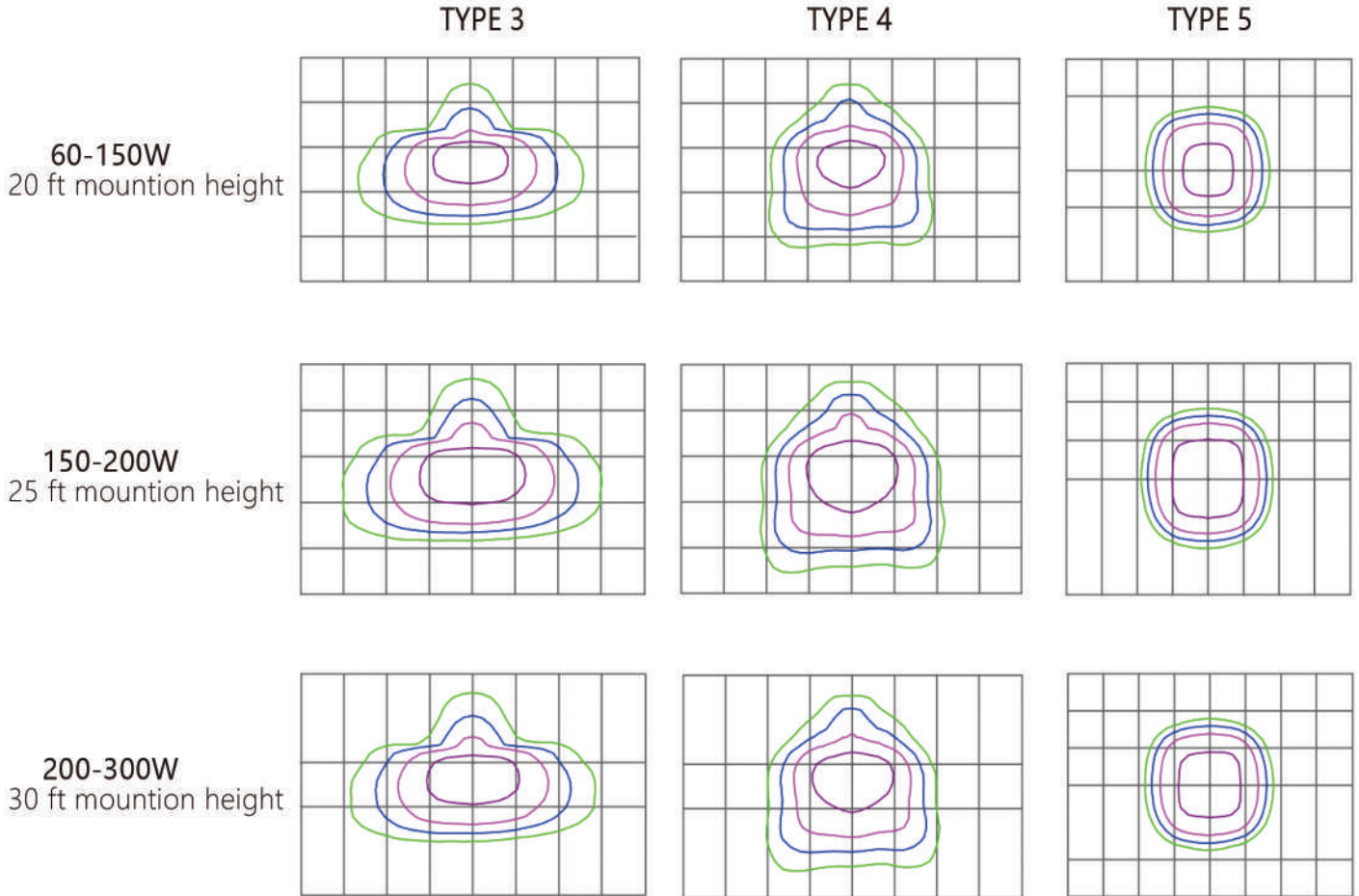
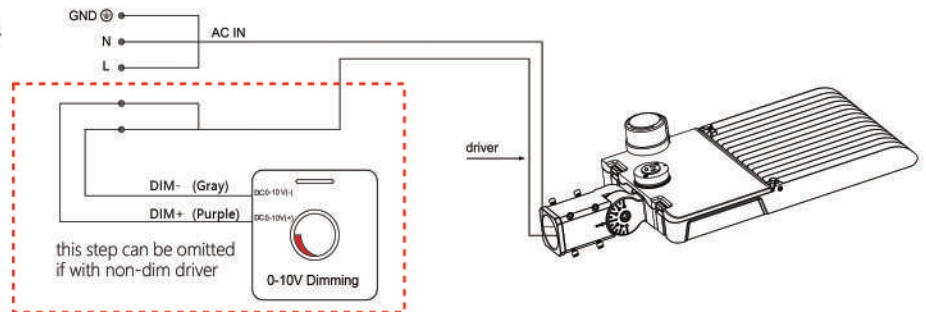## WIRING DIAGRAM

Turn off the power, connect AC wire
Dimmer connection (With dimmable driver).
1. Compatible with 0-10v dimming
2. Connect wires as below, Purple wire is DIM+ , Gray wire is DIM-

GND ⏚
N
L
AC IN

DIM- (Gray)
DIM+ (Purple)
DC0-10V(-)
DC0-10V(+)

this step can be omitted if with non-dim driver

0-10V Dimming

driver

PACKAGE

AREA LIGHT FIXTURE

□150W □200W   MADE IN CHINA

inner box

AREA LIGHT FIXTURE

□150W □200W   MADE IN CHINA

Carton

Type	Package					
Model	60W/80W/100W/120W/150W		150W/200W		240W/300W	
Packing	inner box	Carton	inner box	Carton	inner box	Carton
Packing QTY	1pcs/CTN	5pcs/CTN	1pcs/CTN	5pcs/CTN	1pcs/CTN	3pcs/CTN
CTN SIZE	470x307x108 MM 18.5x12.1x4.2 INCH	490x327x595 MM 19.3x12.9x23.4 INCH	554x307x108 MM 21.8x12.1x4.2 INCH	567x327x595 MM 22.3x12.9x23.4 INCH	630x352x107 MM 24.8x13.9x4.2 INCH	645x369x374 MM 25.4x14.5x14.7 INCH
N.W.	3.9KGS/8.6LBS	19.6KGS/43.1LBS	4.8KGS/10.6LBS	24.1KGS/53.2LBS	7.1KGS/15.6LBS	21.3KGS/46.9LBS
G.W.	4.5KGS/10LBS	23.4KGS/51.5LBS	5.4KGS/11.9LBS	28.5KGS/62.8LBS	7.9KGS/17.5LBS	24.8KGS/54.6LBS
20GP	1275CTN	255CTN	1095CTN	219CTN	813CTN	271CTN
40GP	2720CTN	544CTN	2250CTN	450CTN	1704CTN	568CTN
40HQ	3355CTN	671CTN	2885CTN	577CTN	2214CTN	738CTN

1PCS

5PCS

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