

5 YEAR WARRANTY



POWERED BY
SYNAPSE

Project:

Prepared by:

Type:

Date:

Typical delivered lumen data is approximate. Actual lumens may vary due to installation environment and Distribution Type. See Page 4.

240W (38,400 lm)
320W (48,000 lm)
400W (65,000 lm)
500W (67,500 lm)
600W (81,000 lm)

ORDERING INFORMATION

Sample SKU: ALP2-240-57-4-U-SLA-D-Do

| Series | Wattage | CCT | Distribution | Input Voltage | Mount | Finish | Controls |
|--------|--|--|--|----------------------------------|--|--|---|
| ALP2 | | | | | | | |
| ALP2 | 240 - 240W 320 - 320W 400 - 400W 500 - 500W 600 - 600W | 30 - 3000K 40 - 4000K 50 - 5000K 57 - 5700K | 2 - Type II 3 - Type III 4 - Type IV 5 - Type V | U - 120-277VAC H - 277-480VAC | SLA (For 2 3/8" Round Tenon) SLB (For 1.57" Round Tenon) SLD (For Square Pole) SLE (For Round Pole) TRU (Trunnion Mount) | D - Dark Bronze G - Gray* B - Black* W - White* | Do (Without Control Sensors) D1 (SYNAPSE Wireless Control System) D1-5SC (5 Pin Receptacle W/ Shortcap) D1-5PC (5 Pin Receptacle W/On/Off Photocell) D1-7SC (7 Pin Receptacle W/Shortcap) D1-7PC (7 Pin Receptacle W//On/Off Photocell) D4 (Bi-level Occupancy/Daylight Harvesting Sensor) DIM4-U - Dimulator 120-277 VAC with 7 pin DIM4-H - Dimulator 480VAC with 7 pin |

Accessories

See Page 6.

*MOQ and longer lead times may apply, please contact customer service for more information.

TECHNICAL SPECIFICATIONS

CONSTRUCTION

IP/Enclosure Rating:

IP66 Fixture/IP67 Modular Light Engine

Operating Temperature:

-40°F-113°F

Housing:

Die-cast aluminum

Driver Compartment:

Die-cast aluminum

Optics:

Precision injected molded UV resistance
PC modular optic

ELECTRICAL

Input Voltage:

- 120-277VAC
- 277-480VAC

THD:

<20%

Power Factor:

>0.9

Surge Protection:

10kV (Standard)
20kV/10kA (Optional):

Compliant With:

- ANSI C136.2-2015 Extreme
- ANSI C82.77-5-2015 High Exposure
- IEEE C62.41.2 Location Category C High Exposure

CONTROLS/DIMMING

- 1-10V Dimming (Standard)
- Photocell option available
- Dimulator Dimming Photocontrol available
- SYNAPSE Wireless Control System

ENGINE & OPTICAL

Available Type Distribution:

Type II, Type III, Type IV, Type V

CRI:

- CRI≥70 (Standard)

Available CCT:

3000K, 4000K, 5000K, 5700K

Projected L70:

>140,000 hrs

WARRANTY

5 Year Warranty based on usage.
See warranty documentation for more information.

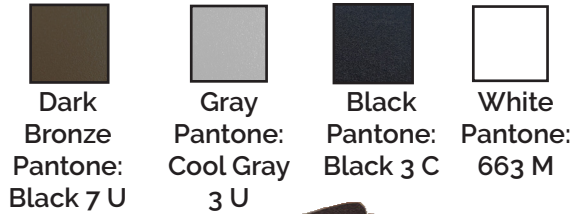
FEATURES

Constructions

- IP66 Die-cast Aluminum Housing
- Modular Design For Easy Installation, Replacement, & Maintenance
- Sleek Low Profile Design: Low EPA Rating

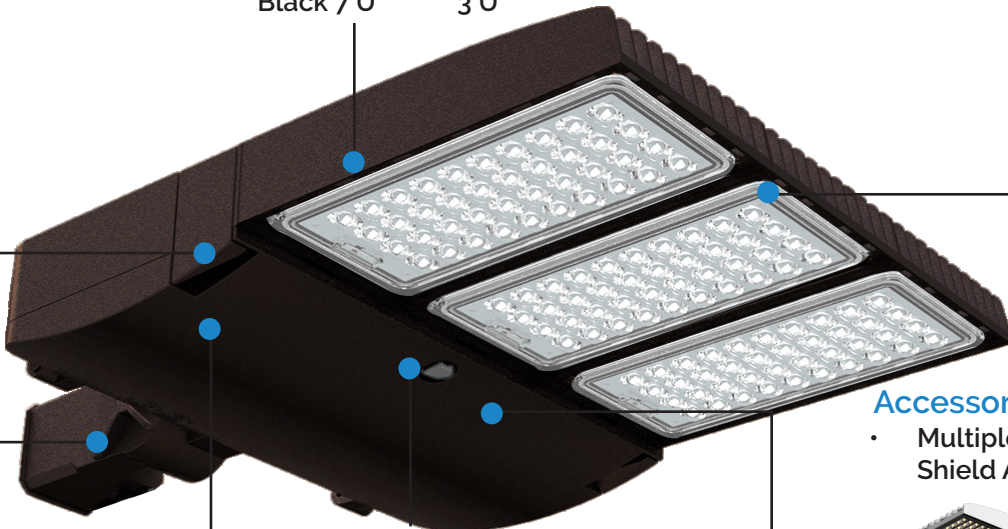
Finish

- Corrosion Resistant Polyester
- Standard Finish: Dark Bronze
- Available Finish:



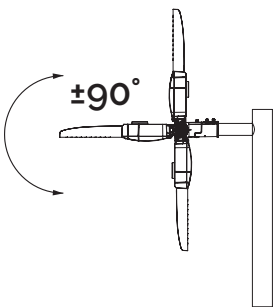
LED Module

- IP67 LED Module
- Type II, III, IV, V Distribution



Mounting

- Standard Mounting Diameter: 2 3/8" (60mm)
- 6 Mounting Options
- Adjustable Mounting

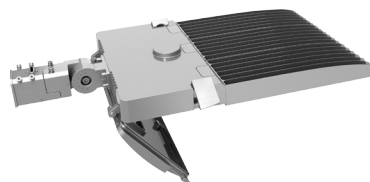


Pressure Release Valve

- Release Pressure To Prevent Moisture Buildup

Tool-less Driver Compartment

- Convenient Tool-less Driver Compartment Release For Quick Wiring & Service



Accessories

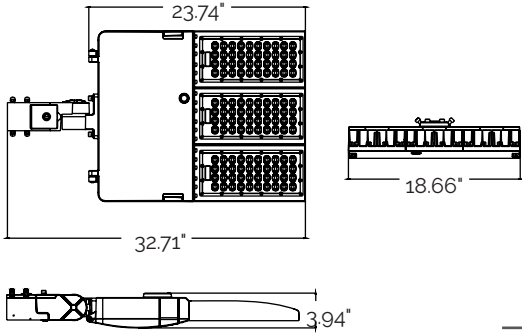
- Multiple Light Spill Shield Available



Electrical/Control

- 120-277VAC & 277-480VAC Available
- Dimulator Dimming Photocontrol, Photocell, or Bi-level Occupancy/Daylight Harvesting Sensor Available
- Surge Protection:
 - 10kV Standard
 - 20kV Optional
- Powered By SYNAPSE Wireless Control System

TECHNICAL DETAIL



| Wattage | *System Efficacy | |
|---------|------------------|-------------------|
| | 3000K | 4000K/5000K/5700K |
| 240W | 145lm/W | 160lm/W |
| 320W | 135lm/W | 150lm/W |

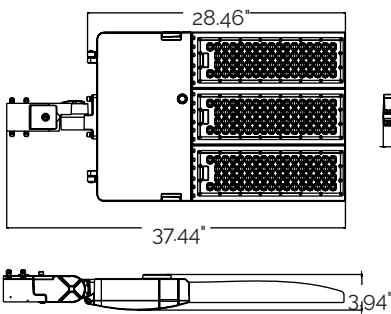
EPA: 0.53ft²

Net weight: 26.9 lbs.

Gross weight : 30.4 lbs.

Product Dimension: 32.7"x18.66"x3.94"

| | 1 | 2@180° | 2@90° | 3@90° | 3@120° | 4@90° | 2@180° |
|---------------|------|--------|-------|-------|--------|-------|--------|
| Configuration | | | | | | | |
| EPA (ft2) | 0.53 | 1.06 | 0.96 | 1.49 | 0.99 | 1.49 | 1.06 |
| Weight (lbs.) | 26.9 | 53.8 | 53.8 | 80.7 | 80.7 | 107.6 | 53.8 |



| Wattage | *System Efficacy | |
|---------|------------------|-------------------|
| | 3000K | 4000K/5000K/5700K |
| 400W | 140lm/W | 150lm/W |
| 500W | 130lm/W | 135lm/W |
| 600W | 130lm/W | 135lm/W |

EPA: 0.6ft²

Net weight: 33.0 lbs.

Gross weight : 37.0 lbs.

Product Dimension: 37.44"x18.66"x3.94"

| | 1 | 2@180° | 2@90° | 3@90° | 3@120° | 4@90° | 2@180° |
|---------------|------|--------|-------|-------|--------|-------|--------|
| Configuration | | | | | | | |
| EPA (ft2) | 0.60 | 1.20 | 1.03 | 1.63 | 1.12 | 1.63 | 1.20 |
| Weight (lbs.) | 33.0 | 66.0 | 66.0 | 99.0 | 99.0 | 132.0 | 66.0 |

PERFORMANCE TABLE

Lumen Output

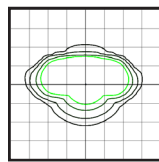
Lumen value are from photometric test performed in accordance with IESNA LM-70-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

| System Watts | Dist. Type | 3000K | | | | 4000K | | | | 5000K | | | |
|--------------|------------|--------|---|---|---|--------|---|---|---|--------|---|---|---|
| | | Lumens | B | U | G | Lumens | B | U | G | Lumens | B | U | G |
| 240W | 2 | 34805 | 4 | 0 | 3 | 36651 | 4 | 0 | 3 | 37339 | 4 | 0 | 3 |
| | 3 | 35476 | 3 | 0 | 4 | 36527 | 4 | 0 | 4 | 37955 | 4 | 0 | 4 |
| | 4 | 34854 | 4 | 0 | 4 | 37052 | 4 | 0 | 4 | 37685 | 4 | 0 | 4 |
| | 5 | 35529 | 5 | 0 | 5 | 37720 | 5 | 0 | 4 | 38930 | 5 | 0 | 3 |
| 320W | 2 | 44481 | 4 | 0 | 3 | 45022 | 4 | 0 | 4 | 48034 | 4 | 0 | 3 |
| | 3 | 42375 | 4 | 0 | 4 | 44784 | 4 | 0 | 4 | 46333 | 4 | 0 | 4 |
| | 4 | 42401 | 4 | 0 | 4 | 45096 | 4 | 0 | 4 | 46150 | 4 | 0 | 4 |
| | 5 | 42859 | 5 | 0 | 3 | 46772 | 5 | 0 | 4 | 48317 | 5 | 0 | 4 |
| 400W | 2 | 55736 | 5 | 0 | 5 | 58008 | 5 | 0 | 4 | 59172 | 5 | 0 | 4 |
| | 3 | 55611 | 5 | 0 | 5 | 57664 | 5 | 0 | 5 | 59443 | 5 | 0 | 5 |
| | 4 | 56058 | 5 | 0 | 4 | 57883 | 5 | 0 | 5 | 59168 | 5 | 0 | 4 |
| | 5 | 57085 | 5 | 0 | 4 | 59260 | 5 | 0 | 4 | 61459 | 5 | 0 | 4 |
| 500W | 2 | 65018 | 5 | 0 | 4 | 67761 | 5 | 0 | 4 | 69196 | 5 | 0 | 4 |
| | 3 | 63624 | 5 | 0 | 5 | 66690 | 5 | 0 | 5 | 67478 | 5 | 0 | 5 |
| | 4 | 63963 | 5 | 0 | 5 | 65758 | 5 | 0 | 5 | 67807 | 5 | 0 | 5 |
| | 5 | 65463 | 5 | 0 | 4 | 67945 | 5 | 0 | 5 | 69639 | 5 | 0 | 4 |
| 600W | 2 | 80855 | 5 | 0 | 5 | 84806 | 5 | 0 | 5 | 84803 | 5 | 0 | 5 |
| | 3 | 79985 | 5 | 0 | 5 | 84543 | 5 | 0 | 5 | 84545 | 5 | 0 | 5 |
| | 4 | 80652 | 5 | 0 | 5 | 84802 | 5 | 0 | 5 | 84803 | 5 | 0 | 5 |
| | 5 | 81095 | 5 | 0 | 4 | 85252 | 5 | 0 | 4 | 85257 | 5 | 0 | 4 |

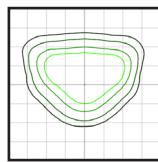
PHOTOMETRIC DATA

*IESNA LM-63 Available

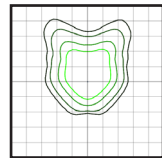
| Multiplier | Mounting Height |
|------------|-----------------|
| 2.8 | 15' |
| 1.6 | 20' |
| 1.0 | 25' |
| 0.7 | 30' |
| 0.5 | 35' |



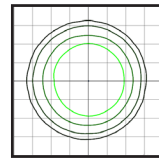
Type II



Type III



Type IV



Type V

ELECTRICAL LOAD

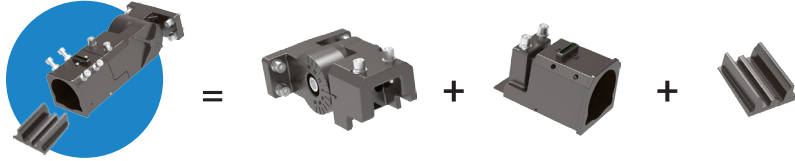
| Wattage (W) | Input Voltage | | | | | |
|-------------|---------------|------|------|------|------|------|
| | 120V | 208V | 240V | 277V | 347V | 480V |
| 240 | 2.00 | 1.15 | 1.00 | 0.87 | 0.69 | 0.50 |
| 320 | 2.67 | 1.54 | 1.33 | 1.16 | 0.92 | 0.67 |
| 400 | 3.33 | 1.92 | 1.67 | 1.44 | 1.15 | 0.83 |
| 500 | 4.17 | 2.44 | 2.08 | 1.81 | 1.44 | 1.04 |
| 600 | 5.00 | 2.88 | 2.50 | 2.16 | 1.72 | 1.25 |

MOUNTING BRACKET ARM

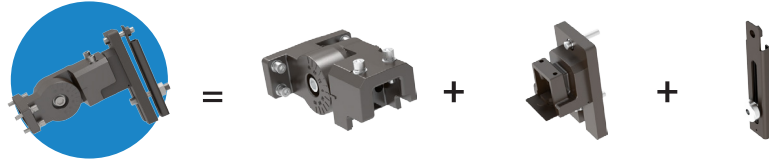
SLA (For 2 3/8" Round Tenon)



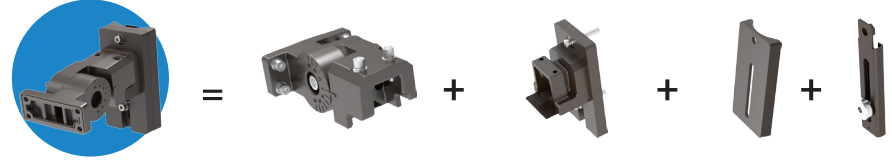
SLB (For 1.57" Round Tenon)



SLD (For Square Pole)

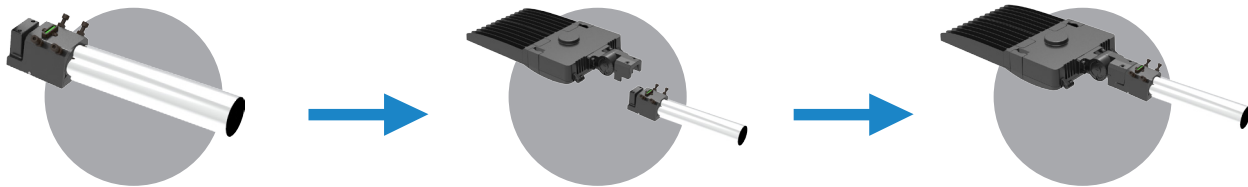


SLE (For Round Pole)

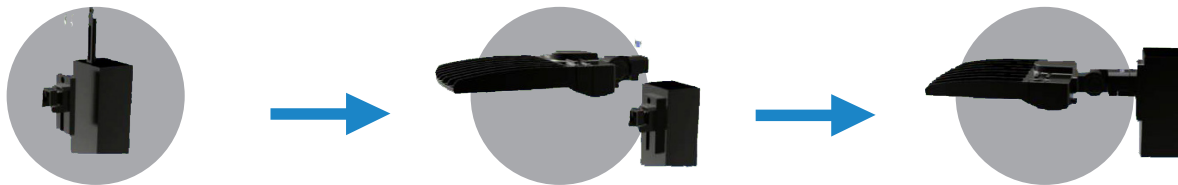


MOUNTING BRACKET INSTALLATION

SLA or SLB — Different O.D. Tenon Mount



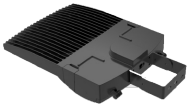


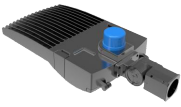


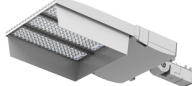


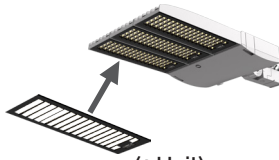
SLD — Square Pole Mount



SLE — Round Pole Mount



ACCESSORIES

| | | | | | | |
|--|---|---|---|--|-------------------------|--|
|  | Trunnion |  | ALP2-TRU |  | Back Light Shield | ALP2-M-BLS (240W~600W) |
|  | Photocell or Dimulator Dimming Photocontrol |  |  |  | Full Spill Light Shield | ALP2-M-FLS (240W~600W) |
|  | Bi-level Occupancy/Daylight Harvesting Sensor |  | |  | Back Light Control | ALP2-S-BLC (240W~320W) ALP2-M-BLC (400W~600W) |

ALP2-TEN (Wall Mount Tenon) [Not Pictured] [See Spec Here]
ALP2-FS (Field Adjustable Lumen Switch)
SP-U-20kV (20kV/10kA Surge Protection [120-277V])
SP-H-20kV (20kV/10kA Surge Protection [277-480V])
DSF (Dark Sky Friendly [3000KI])

Note: Back Light Control sold as individual units:
• ALP2-S-BLC [3 units (240W~320W)]
• ALP2-M-BLC [3 units (400W~600W)]
Please note how many units you require when ordering.

(1 Unit)

Accessories

Light Shield/ Back Light Control

PHOTOCONTROLS

Dimulator - Stand-Alone LED Dimming Photocontrol

Features

- Factory preset dimming - no selector switch
- 10 Year Warranty
- Compliant with ANSI C136.41 receptacle
- Optional constant all night dimming
- Adaptive lighting control with progressive intensities
- 40kV Surge Protection
- High voltage version available
- Advance time/date algorithm auto-adjusts for daylight savings
- Automatically synchronize to local time



Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activation (no cycling)
- May be oriented in any direction



Patent #9210746

ELL Photocell Extra Long Life Photocontrol

Features

- Designed to meet or exceed the life expectancy of LED fixtures.
- 10 Year Warranty
- 40kV Surge Protection
- High voltage version available



Bat Eye Technology

- Advanced light sensor, only reacts to sunlight
- Immune to LED and other artificial light
- No false activation (no cycling)
- May be oriented in any direction



POWERED BY

SYNAPSE



- Utility grade power monitoring.
- WiFi Mesh Receiver Nodes.
- Communication range is up to 1 mile line of sight.
- Control dimming and On/Off.
- Secure, over-the-air software upgrades.



- Manual/Remote/Web access to Nodes.
- Control up to 1000 Nodes.
- Weather protected.
- Optional, pre-configured 5 button switch to allow for control of all lighting (Central Base Station only).



Central Control
Base Station
(Optional)

or SimplySnap Controller

WiFi or LAN Network
with
browser based
control interface

Optional Cloud Control
with Verizon 4G LTE

CONTROL PRE-COMMISSIONING

Default settings are indicated by *

| Sensitivity Range | Time Delay | Daylight Harvesting | Stand-by Light Level Setting | Stand-by Time Setting |
|-------------------|------------|------------------------|------------------------------|-----------------------|
| 20% | 10s | *Light sensor disabled | 0% | ∞ |
| 50% | 1min | 1 FC (10lux) | *10% | 1min |
| 75% | *5min | 3 FC (30lux) | 30% | 30min |
| *100% | 15min | 5 FC (50lux) | 50% | *60min |

Sensitivity Range:

Setting that determines the range of the motion sensor when the daylight sensor is disabled.

Time Delay:

The light can be set to stay ON for any period of time between approx. 10sec and the maximum of 60 min. Any movement detected before this time elapses will re-start the timer.

Daylight Harvesting:

The chosen light response threshold can be infinitely from approx. 1-5 FC.

Stand-by Light Level:

Setting determines how much lumen output is dimmed down to when no motion is detected.

Stand-by Time:

Setting determines how long after stand-by light level occurs the light will shut off. Up to 60 minutes.