

# ALH SELECTABLE AREA LIGHT

LED Area Light with Selectable CCT and Lumen



## Introduction

ALH is highly cost-effective and offers complete configurations. It delivers 11000lm to 48000lm lumens, which can replace 250W to 1000W HID luminaires.

The whole family includes three different sizes. Slipfitter mount, square or round pole mount arm and Yoke mount are available.

Photocell, motion sensor and external light control shield are also available. It also supports LLLC of AHISEN BLUE and Silvair.

## Product Specifications

### Construction

- The area light features a rugged die-cast aluminum body that uses heatsink and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. The light housing is sealed against moisture and environmental contaminants. The 3G vibration rated compact design minimizes wind load requirements. With a low EPA, it allows pole optimization.

### Electrical:

- Universal voltage AC120-277V/AC120-347V with standard 10KV Surge protector, or High voltage AC277-480V with standard 20KV Surge protector.
- 0-10V dimmable driver, and the dimming wire does not lead out from the fixture.
- Power Factor :  $\geq 0.95$
- THD  $\leq 20\%$ 
  - 2ft long power cord provided for easier installation.

### Optics :

- Light engines are available in (30/40/50)K selectable (CRI70) configurations
- Type III, IV, V distributions optional



### Finish :

- Dark bronze is standard and black, white, grey and other customized colors are available.

### Ambient Temperature:

- 40° F (-40° C) to 113° F (45° C)

### Listing

- UL Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

### Warranty :

- 5-years limited warranty.

## Ordering Guide

EXAMPLE: CPS-ALH(240/260/280/310)WHV(30/40/50)KT3SFDPS

| Brand | Product name<br>ALH | Wattage <sup>1</sup><br>XXXW                                  | Input Voltage <sup>2</sup><br>AA | CCT <sup>3</sup><br>XXK                                                | Dist.Type<br>Y                         | Mount<br>Y                                                                                                                                                                        | Finish<br>Y                                           | Photocontrol<br>Y                              | Sensor<br>Y                                            |
|-------|---------------------|---------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------|--------------------------------------------------------|
| CPS   | ALH                 | (80/100/120/150)W<br>(170/200/220/240)W<br>(240/260/280/310)W | UL=120-277V<br>UH=277-480V       | 30K=3000K<br>40K=4000K<br>50K=5000K<br>(30/40/50)K=<br>3000/4000/5000K | T3=Type III<br>T4=Type IV<br>T5=Type V | SF=Slipfitter Mount<br>PA=Square and Round<br>Pole Mount Arm<br>TR=Trunnion Mount<br>AA=Adjustable Square<br>and Round Pole<br>Mount Arm<br>UB=Universal bracket<br>WM=Wall Mount | D=Dark Bronze<br>B=Black<br>W=White<br>SG=Silver Grey | Blank=without<br>Photocell<br>P=with Photocell | S=with Motion Sensor<br>Blank=without Motion<br>Sensor |

Note: 1.(80/100/120/150)W=150W, 120W, 100W, 80W Selectable, 150W default setting. (170/200/220/240)W=240W, 220W, 200W, 170W Selectable, 240W default setting. (240/260/280/310)W=310W, 280W, 260W, 240W Selectable, 310W default setting.

2.The Input Voltage AC120-277V and AC277-480V is for US Market, AC120-347V is for Canada Market only.

3.(30/40/50)K=3000K, 4000K, 5000K Selectable, 5000K default setting.

# Specification

## Wattage & CCT Selectable

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

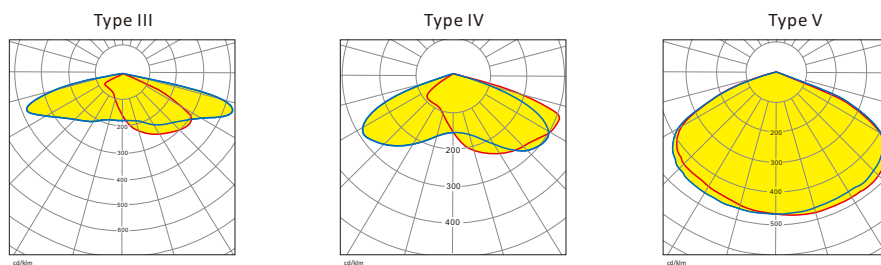
| Size                                       | Watts | Distribution Type | 5000K, CRI70 |   |   |   |     | 4000K, CRI70 |   |   |   |     | 3000K, CRI70 |   |   |   |     |
|--------------------------------------------|-------|-------------------|--------------|---|---|---|-----|--------------|---|---|---|-----|--------------|---|---|---|-----|
|                                            |       |                   | Lumens       | B | U | G | LPW | Lumens       | B | U | G | LPW | Lumens       | B | U | G | LPW |
| Size 1<br>(80/100/120/150)W<br>Selectable  | 80W   | T3                | 12,800       | 3 | 0 | 3 | 160 | 14,450       | 3 | 0 | 3 | 181 | 12,300       | 3 | 0 | 3 | 154 |
|                                            | 100W  |                   | 15,850       | 3 | 0 | 3 | 159 | 17,850       | 3 | 0 | 3 | 179 | 15,250       | 3 | 0 | 3 | 153 |
|                                            | 120W  |                   | 18,600       | 3 | 0 | 3 | 155 | 20,950       | 3 | 0 | 3 | 175 | 17,850       | 3 | 0 | 3 | 149 |
|                                            | 150W  |                   | 22,650       | 3 | 0 | 3 | 151 | 25,500       | 3 | 0 | 3 | 170 | 21,800       | 3 | 0 | 3 | 145 |
|                                            | 80W   | T4                | 12,800       | 3 | 0 | 3 | 160 | 14,450       | 3 | 0 | 3 | 181 | 12,300       | 3 | 0 | 3 | 154 |
|                                            | 100W  |                   | 15,850       | 3 | 0 | 3 | 159 | 17,850       | 3 | 0 | 3 | 179 | 15,250       | 3 | 0 | 3 | 153 |
|                                            | 120W  |                   | 18,600       | 3 | 0 | 3 | 155 | 20,950       | 3 | 0 | 3 | 175 | 17,850       | 3 | 0 | 3 | 149 |
|                                            | 150W  |                   | 22,650       | 3 | 0 | 3 | 151 | 25,500       | 3 | 0 | 3 | 170 | 21,800       | 3 | 0 | 3 | 145 |
|                                            | 80W   | T5                | 12,800       | 4 | 0 | 2 | 160 | 14,450       | 4 | 0 | 2 | 181 | 12,300       | 4 | 0 | 2 | 154 |
|                                            | 100W  |                   | 15,850       | 4 | 0 | 2 | 159 | 17,850       | 4 | 0 | 2 | 179 | 15,250       | 4 | 0 | 2 | 153 |
|                                            | 120W  |                   | 18,600       | 4 | 0 | 2 | 155 | 20,950       | 4 | 0 | 2 | 175 | 17,850       | 4 | 0 | 2 | 149 |
|                                            | 150W  |                   | 22,650       | 4 | 0 | 2 | 151 | 25,500       | 4 | 0 | 2 | 170 | 21,800       | 4 | 0 | 2 | 145 |
| Size 2<br>(170/200/220/240)W<br>Selectable | 170W  | T3                | 26,900       | 4 | 0 | 4 | 159 | 28,550       | 4 | 0 | 4 | 168 | 26,150       | 4 | 0 | 4 | 154 |
|                                            | 200W  |                   | 31,050       | 4 | 0 | 4 | 156 | 32,950       | 4 | 0 | 4 | 165 | 30,200       | 4 | 0 | 4 | 151 |
|                                            | 220W  |                   | 33,500       | 4 | 0 | 4 | 153 | 35,550       | 4 | 0 | 4 | 162 | 32,550       | 4 | 0 | 4 | 148 |
|                                            | 240W  |                   | 35,850       | 4 | 0 | 4 | 150 | 38,000       | 4 | 0 | 4 | 159 | 34,800       | 4 | 0 | 4 | 145 |
|                                            | 170W  | T4                | 26,900       | 4 | 0 | 4 | 159 | 28,550       | 4 | 0 | 4 | 168 | 26,150       | 4 | 0 | 4 | 154 |
|                                            | 200W  |                   | 31,050       | 4 | 0 | 4 | 156 | 32,950       | 4 | 0 | 4 | 165 | 30,200       | 4 | 0 | 4 | 151 |
|                                            | 220W  |                   | 33,500       | 4 | 0 | 4 | 153 | 35,550       | 4 | 0 | 4 | 162 | 32,550       | 4 | 0 | 4 | 148 |
|                                            | 240W  |                   | 35,850       | 4 | 0 | 4 | 150 | 38,000       | 4 | 0 | 4 | 159 | 34,800       | 4 | 0 | 4 | 145 |
|                                            | 170W  | T5                | 26,900       | 5 | 0 | 2 | 159 | 28,550       | 5 | 0 | 2 | 168 | 26,150       | 5 | 0 | 2 | 154 |
|                                            | 200W  |                   | 31,050       | 5 | 0 | 2 | 156 | 32,950       | 5 | 0 | 2 | 165 | 30,200       | 5 | 0 | 2 | 151 |
|                                            | 220W  |                   | 33,500       | 5 | 0 | 2 | 153 | 35,550       | 5 | 0 | 2 | 162 | 32,550       | 5 | 0 | 2 | 148 |
|                                            | 240W  |                   | 35,850       | 5 | 0 | 2 | 150 | 38,000       | 5 | 0 | 2 | 159 | 34,800       | 5 | 0 | 2 | 145 |
| Size 3<br>(240/260/280/310)W<br>Selectable | 240W  | T3                | 37,950       | 4 | 0 | 4 | 159 | 42,750       | 4 | 0 | 4 | 179 | 36,900       | 4 | 0 | 4 | 154 |
|                                            | 260W  |                   | 39,950       | 4 | 0 | 4 | 154 | 45,000       | 4 | 0 | 4 | 173 | 38,850       | 4 | 0 | 4 | 150 |
|                                            | 280W  |                   | 42,600       | 4 | 0 | 4 | 153 | 48,000       | 4 | 0 | 4 | 172 | 41,450       | 4 | 0 | 4 | 148 |
|                                            | 310W  |                   | 46,250       | 4 | 0 | 4 | 150 | 52,100       | 4 | 0 | 4 | 168 | 45,000       | 4 | 0 | 4 | 145 |
|                                            | 240W  | T4                | 37,950       | 5 | 0 | 4 | 159 | 42,750       | 5 | 0 | 4 | 179 | 36,900       | 5 | 0 | 4 | 154 |
|                                            | 260W  |                   | 39,950       | 5 | 0 | 4 | 154 | 45,000       | 5 | 0 | 4 | 173 | 38,850       | 5 | 0 | 4 | 150 |
|                                            | 280W  |                   | 42,600       | 5 | 0 | 4 | 153 | 48,000       | 5 | 0 | 4 | 172 | 41,450       | 5 | 0 | 4 | 148 |
|                                            | 310W  |                   | 46,250       | 5 | 0 | 4 | 150 | 52,100       | 5 | 0 | 4 | 168 | 45,000       | 5 | 0 | 4 | 145 |
|                                            | 240W  | T5                | 37,950       | 5 | 0 | 3 | 159 | 42,750       | 5 | 0 | 3 | 179 | 36,900       | 5 | 0 | 3 | 154 |
|                                            | 260W  |                   | 39,950       | 5 | 0 | 3 | 154 | 45,000       | 5 | 0 | 3 | 173 | 38,850       | 5 | 0 | 3 | 150 |
|                                            | 280W  |                   | 42,600       | 5 | 0 | 3 | 153 | 48,000       | 5 | 0 | 3 | 172 | 41,450       | 5 | 0 | 3 | 148 |
|                                            | 310W  |                   | 46,250       | 5 | 0 | 3 | 150 | 52,100       | 5 | 0 | 3 | 168 | 45,000       | 5 | 0 | 3 | 145 |

## Wattage Selectable & Single CCT

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

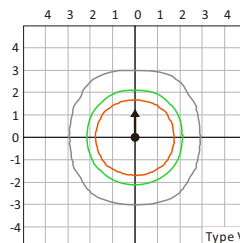
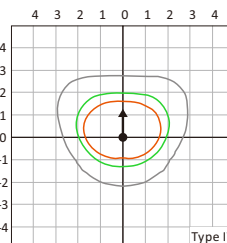
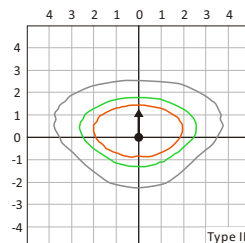
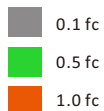
| Size                                       | Watts | Distribution Type | 5000K, CRI70 |   |   |   |     | 4000K, CRI70 |   |   |   |     | 3000K, CRI70 |   |   |   |     |
|--------------------------------------------|-------|-------------------|--------------|---|---|---|-----|--------------|---|---|---|-----|--------------|---|---|---|-----|
|                                            |       |                   | Lumens       | B | U | G | LPW | Lumens       | B | U | G | LPW | Lumens       | B | U | G | LPW |
| Size 1<br>(80/100/120/150)W<br>Selectable  | 80W   | T3                | 12750        | 3 | 0 | 3 | 159 | 12600        | 3 | 0 | 3 | 157 | 12300        | 3 | 0 | 3 | 154 |
|                                            | 100W  |                   | 15800        | 3 | 0 | 3 | 158 | 15550        | 3 | 0 | 3 | 156 | 15250        | 3 | 0 | 3 | 153 |
|                                            | 120W  |                   | 18500        | 3 | 0 | 3 | 154 | 18250        | 3 | 0 | 3 | 152 | 17850        | 3 | 0 | 3 | 149 |
|                                            | 150W  |                   | 22500        | 3 | 0 | 3 | 150 | 22200        | 3 | 0 | 3 | 148 | 21750        | 3 | 0 | 3 | 145 |
|                                            | 80W   | T4                | 12750        | 3 | 0 | 3 | 159 | 12600        | 3 | 0 | 3 | 157 | 12300        | 3 | 0 | 3 | 154 |
|                                            | 100W  |                   | 15800        | 3 | 0 | 3 | 158 | 15540        | 3 | 0 | 3 | 156 | 15250        | 3 | 0 | 3 | 153 |
|                                            | 120W  |                   | 18500        | 3 | 0 | 3 | 154 | 18250        | 3 | 0 | 3 | 152 | 17850        | 3 | 0 | 3 | 149 |
|                                            | 150W  |                   | 22500        | 3 | 0 | 3 | 150 | 22200        | 3 | 0 | 3 | 148 | 21750        | 3 | 0 | 3 | 145 |
|                                            | 80W   | T5                | 12750        | 4 | 0 | 2 | 159 | 12600        | 4 | 0 | 1 | 157 | 12300        | 4 | 0 | 2 | 154 |
|                                            | 100W  |                   | 15800        | 4 | 0 | 2 | 158 | 15540        | 4 | 0 | 1 | 156 | 15250        | 4 | 0 | 2 | 153 |
|                                            | 120W  |                   | 18500        | 4 | 0 | 2 | 154 | 18250        | 4 | 0 | 1 | 152 | 17850        | 4 | 0 | 2 | 149 |
|                                            | 150W  |                   | 22500        | 4 | 0 | 2 | 150 | 22200        | 4 | 0 | 1 | 148 | 21750        | 4 | 0 | 2 | 145 |
| Size 2<br>(170/200/220/240)W<br>Selectable | 170W  | T3                | 27050        | 4 | 0 | 4 | 159 | 26700        | 4 | 0 | 4 | 157 | 26150        | 4 | 0 | 4 | 154 |
|                                            | 200W  |                   | 31200        | 4 | 0 | 4 | 156 | 30800        | 4 | 0 | 4 | 154 | 30200        | 4 | 0 | 4 | 151 |
|                                            | 220W  |                   | 33700        | 4 | 0 | 4 | 153 | 33250        | 4 | 0 | 4 | 151 | 32550        | 4 | 0 | 4 | 148 |
|                                            | 240W  |                   | 36000        | 4 | 0 | 4 | 150 | 35520        | 4 | 0 | 4 | 148 | 34800        | 4 | 0 | 4 | 145 |
|                                            | 170W  | T4                | 27050        | 4 | 0 | 4 | 159 | 26700        | 4 | 0 | 4 | 157 | 26150        | 4 | 0 | 4 | 154 |
|                                            | 200W  |                   | 31200        | 4 | 0 | 4 | 156 | 30800        | 4 | 0 | 4 | 154 | 30200        | 4 | 0 | 4 | 151 |
|                                            | 220W  |                   | 33700        | 4 | 0 | 4 | 153 | 33250        | 4 | 0 | 4 | 151 | 32550        | 4 | 0 | 4 | 148 |
|                                            | 240W  |                   | 36000        | 4 | 0 | 4 | 150 | 35520        | 4 | 0 | 4 | 148 | 34800        | 4 | 0 | 4 | 145 |
|                                            | 170W  | T5                | 27050        | 5 | 0 | 2 | 159 | 26700        | 5 | 0 | 2 | 157 | 26150        | 5 | 0 | 2 | 154 |
|                                            | 200W  |                   | 31200        | 5 | 0 | 2 | 156 | 30800        | 5 | 0 | 2 | 154 | 30200        | 5 | 0 | 2 | 151 |
|                                            | 220W  |                   | 33700        | 5 | 0 | 2 | 153 | 33250        | 5 | 0 | 2 | 151 | 32550        | 5 | 0 | 2 | 148 |
|                                            | 240W  |                   | 36000        | 5 | 0 | 2 | 150 | 35520        | 5 | 0 | 2 | 148 | 34800        | 5 | 0 | 2 | 145 |
| Size 3<br>(240/260/280/310)W<br>Selectable | 240W  | T3                | 38200        | 4 | 0 | 4 | 159 | 37700        | 4 | 0 | 4 | 157 | 36900        | 4 | 0 | 4 | 154 |
|                                            | 260W  |                   | 40200        | 4 | 0 | 4 | 155 | 39650        | 4 | 0 | 4 | 153 | 38850        | 4 | 0 | 4 | 150 |
|                                            | 280W  |                   | 42850        | 4 | 0 | 4 | 153 | 42300        | 4 | 0 | 4 | 151 | 41450        | 4 | 0 | 4 | 148 |
|                                            | 310W  |                   | 46500        | 4 | 0 | 4 | 150 | 45880        | 4 | 0 | 4 | 148 | 44950        | 4 | 0 | 4 | 145 |
|                                            | 240W  | T4                | 38200        | 4 | 0 | 4 | 159 | 37700        | 4 | 0 | 4 | 157 | 36900        | 4 | 0 | 4 | 154 |
|                                            | 260W  |                   | 40200        | 4 | 0 | 4 | 155 | 39650        | 4 | 0 | 4 | 153 | 38850        | 4 | 0 | 4 | 150 |
|                                            | 280W  |                   | 42850        | 4 | 0 | 4 | 153 | 42300        | 4 | 0 | 4 | 151 | 41450        | 4 | 0 | 4 | 148 |
|                                            | 310W  |                   | 46500        | 4 | 0 | 4 | 150 | 45880        | 4 | 0 | 4 | 148 | 44950        | 4 | 0 | 4 | 145 |
|                                            | 240W  | T5                | 38200        | 5 | 0 | 2 | 159 | 37700        | 5 | 0 | 2 | 157 | 36900        | 5 | 0 | 2 | 154 |
|                                            | 260W  |                   | 40200        | 5 | 0 | 2 | 155 | 39650        | 5 | 0 | 2 | 153 | 38850        | 5 | 0 | 2 | 150 |
|                                            | 280W  |                   | 42850        | 5 | 0 | 2 | 153 | 42300        | 5 | 0 | 2 | 151 | 41450        | 5 | 0 | 2 | 148 |
|                                            | 310W  |                   | 46500        | 5 | 0 | 2 | 150 | 45880        | 5 | 0 | 2 | 148 | 44950        | 5 | 0 | 2 | 145 |

## Photometric Diagrams



Isofootcandle plots for the 150W-5000K. Distances are in units of mounting height(30')

### LEGEND



## EPA (Square and round pole arm)

\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data

| Mounting Type | Tilt | EPA(ft <sup>2</sup> )                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|---------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               |      | Single                                                                            | 2@90                                                                              | 2@180                                                                             | 3@90                                                                              | 3@120                                                                             | 4@90                                                                              | 2 Side by Side                                                                      | 3 Side by Side                                                                      | 4 Side by Side                                                                      |
|               |      |  |  |  |  |  |  |  |  |  |
| Size 1        | 0°   | 0.23                                                                              | 0.41                                                                              | 0.42                                                                              | 0.60                                                                              | 0.54                                                                              | 0.80                                                                              | 0.46                                                                                | 0.69                                                                                | 0.91                                                                                |
|               | 10°  | 0.18                                                                              | 0.35                                                                              | 0.35                                                                              | 0.53                                                                              | 0.46                                                                              | 0.69                                                                              | 0.35                                                                                | 0.53                                                                                | 0.71                                                                                |
|               | 20°  | 0.17                                                                              | 0.34                                                                              | 0.34                                                                              | 0.51                                                                              | 0.44                                                                              | 0.67                                                                              | 0.34                                                                                | 0.52                                                                                | 0.69                                                                                |
|               | 30°  | 0.21                                                                              | 0.37                                                                              | 0.39                                                                              | 0.54                                                                              | 0.48                                                                              | 0.74                                                                              | 0.42                                                                                | 0.64                                                                                | 0.85                                                                                |
|               | 40°  | 0.27                                                                              | 0.40                                                                              | 0.45                                                                              | 0.58                                                                              | 0.55                                                                              | 0.80                                                                              | 0.54                                                                                | 0.81                                                                                | 1.08                                                                                |
|               | 45°  | 0.30                                                                              | 0.42                                                                              | 0.50                                                                              | 0.60                                                                              | 0.58                                                                              | 0.83                                                                              | 0.61                                                                                | 0.91                                                                                | 1.21                                                                                |
|               | 50°  | 0.45                                                                              | 0.61                                                                              | 0.72                                                                              | 0.87                                                                              | 0.85                                                                              | 1.21                                                                              | 0.89                                                                                | 1.34                                                                                | 1.79                                                                                |
|               | 60°  | 0.73                                                                              | 0.99                                                                              | 1.19                                                                              | 1.41                                                                              | 1.39                                                                              | 1.96                                                                              | 1.47                                                                                | 2.20                                                                                | 2.94                                                                                |
|               | 70°  | 0.95                                                                              | 1.38                                                                              | 1.57                                                                              | 1.96                                                                              | 1.90                                                                              | 2.74                                                                              | 1.90                                                                                | 2.86                                                                                | 3.81                                                                                |
|               | 80°  | 1.13                                                                              | 1.71                                                                              | 1.89                                                                              | 2.45                                                                              | 2.36                                                                              | 3.40                                                                              | 2.26                                                                                | 3.40                                                                                | 4.53                                                                                |
| Size 2        | 90°  | 1.28                                                                              | 1.99                                                                              | 2.18                                                                              | 2.86                                                                              | 2.77                                                                              | 3.96                                                                              | 2.57                                                                                | 3.85                                                                                | 5.14                                                                                |
|               | 0°   | 0.25                                                                              | 0.44                                                                              | 0.46                                                                              | 0.65                                                                              | 0.58                                                                              | 0.87                                                                              | 0.50                                                                                | 0.75                                                                                | 0.99                                                                                |
|               | 10°  | 0.19                                                                              | 0.38                                                                              | 0.38                                                                              | 0.57                                                                              | 0.50                                                                              | 0.75                                                                              | 0.38                                                                                | 0.58                                                                                | 0.77                                                                                |
|               | 20°  | 0.19                                                                              | 0.37                                                                              | 0.37                                                                              | 0.55                                                                              | 0.48                                                                              | 0.73                                                                              | 0.37                                                                                | 0.56                                                                                | 0.75                                                                                |
|               | 30°  | 0.23                                                                              | 0.40                                                                              | 0.43                                                                              | 0.59                                                                              | 0.53                                                                              | 0.80                                                                              | 0.46                                                                                | 0.69                                                                                | 0.92                                                                                |
|               | 40°  | 0.29                                                                              | 0.44                                                                              | 0.49                                                                              | 0.63                                                                              | 0.60                                                                              | 0.87                                                                              | 0.59                                                                                | 0.88                                                                                | 1.17                                                                                |
|               | 45°  | 0.33                                                                              | 0.45                                                                              | 0.54                                                                              | 0.66                                                                              | 0.63                                                                              | 0.90                                                                              | 0.66                                                                                | 0.99                                                                                | 1.32                                                                                |
|               | 50°  | 0.49                                                                              | 0.66                                                                              | 0.79                                                                              | 0.95                                                                              | 0.93                                                                              | 1.31                                                                              | 0.97                                                                                | 1.46                                                                                | 1.94                                                                                |
|               | 60°  | 0.80                                                                              | 1.08                                                                              | 1.29                                                                              | 1.54                                                                              | 1.51                                                                              | 2.13                                                                              | 1.60                                                                                | 2.39                                                                                | 3.20                                                                                |
|               | 70°  | 1.04                                                                              | 1.50                                                                              | 1.70                                                                              | 2.13                                                                              | 2.07                                                                              | 2.97                                                                              | 2.07                                                                                | 3.11                                                                                | 4.14                                                                                |
| Size 3        | 80°  | 1.23                                                                              | 1.86                                                                              | 2.05                                                                              | 2.66                                                                              | 2.57                                                                              | 3.70                                                                              | 2.46                                                                                | 3.69                                                                                | 4.92                                                                                |
|               | 90°  | 1.39                                                                              | 2.16                                                                              | 2.37                                                                              | 3.11                                                                              | 3.01                                                                              | 4.30                                                                              | 2.79                                                                                | 4.19                                                                                | 5.58                                                                                |
|               | 0°   | 0.35                                                                              | 0.62                                                                              | 0.64                                                                              | 0.91                                                                              | 0.82                                                                              | 1.21                                                                              | 0.69                                                                                | 1.04                                                                                | 1.39                                                                                |
|               | 10°  | 0.27                                                                              | 0.54                                                                              | 0.53                                                                              | 0.80                                                                              | 0.69                                                                              | 1.06                                                                              | 0.54                                                                                | 0.81                                                                                | 1.08                                                                                |
|               | 20°  | 0.26                                                                              | 0.52                                                                              | 0.52                                                                              | 0.77                                                                              | 0.67                                                                              | 1.02                                                                              | 0.52                                                                                | 0.79                                                                                | 1.05                                                                                |
|               | 30°  | 0.32                                                                              | 0.56                                                                              | 0.60                                                                              | 0.83                                                                              | 0.74                                                                              | 1.12                                                                              | 0.64                                                                                | 0.97                                                                                | 1.29                                                                                |
|               | 40°  | 0.41                                                                              | 0.61                                                                              | 0.68                                                                              | 0.88                                                                              | 0.84                                                                              | 1.21                                                                              | 0.82                                                                                | 1.23                                                                                | 1.64                                                                                |
|               | 45°  | 0.46                                                                              | 0.63                                                                              | 0.76                                                                              | 0.92                                                                              | 0.89                                                                              | 1.26                                                                              | 0.92                                                                                | 1.38                                                                                | 1.85                                                                                |
|               | 50°  | 0.68                                                                              | 0.93                                                                              | 1.10                                                                              | 1.32                                                                              | 1.30                                                                              | 1.84                                                                              | 1.36                                                                                | 2.04                                                                                | 2.72                                                                                |
|               | 60°  | 1.12                                                                              | 1.51                                                                              | 1.81                                                                              | 2.15                                                                              | 2.12                                                                              | 2.99                                                                              | 2.24                                                                                | 3.35                                                                                | 4.47                                                                                |
|               | 70°  | 1.45                                                                              | 2.09                                                                              | 2.38                                                                              | 2.99                                                                              | 2.90                                                                              | 4.16                                                                              | 2.90                                                                                | 4.35                                                                                | 5.79                                                                                |
|               | 80°  | 1.72                                                                              | 2.60                                                                              | 2.88                                                                              | 3.72                                                                              | 3.60                                                                              | 5.18                                                                              | 3.44                                                                                | 5.17                                                                                | 6.89                                                                                |
|               | 90°  | 1.95                                                                              | 3.02                                                                              | 3.32                                                                              | 4.35                                                                              | 4.22                                                                              | 6.03                                                                              | 3.91                                                                                | 5.86                                                                                | 7.82                                                                                |

## Power Selection And CCT Selection Capability



### CCT Select Technology

Adjust CCT between 3000/4000/5000K, 5000K default setting.

### Power Select Technology

| Size   | Power Selection                       | Default Setting |
|--------|---------------------------------------|-----------------|
| Size 1 | Adjust power between 80/100/120/150W  | 150W            |
| Size 2 | Adjust power between 170/200/220/240W | 240W            |
| Size 3 | Adjust power between 240/260/280/310W | 310W            |

## Accessories

### Control Options

Call to confirm availability

|                                                                                   |                                                                                           |                                                                                   |                                                                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  | <b>XSCKit01</b><br>Shorting Cap Kit (with receptacle)                                     |  | <b>XPCKit-UNV27V</b><br>Black Twist-lock Photocell Kit (with receptacle) for ALH, at AC120-277V |
|  | <b>XPCKit-UNV34V</b><br>Twist-lock Photocell Kit (with receptacle) for ALH, at AC120-347V |  | <b>XPCKit-HV48V</b><br>Twist-lock Photocell Kit (with receptacle) for ALH, at AC277-480V        |
|  | <b>HDO9VR-PH</b><br>Screw-in PIR Sensor                                                   |                                                                                   |                                                                                                 |

### Glare Control Shield

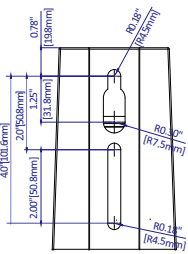
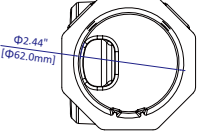
Field-Installable / Field-Use ONLY (purchased separately)

|                                                                                     |                                                                     |                                                                                       |                                                                  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------|
|   | <b>ALH150W-HGS-D-A</b> External<br>Half Glare shield for<br>ALH150W |   |                                                                  |
|  | <b>ALH240W-HGS-D-A</b><br>External Half Glare shield for ALH240W    |   | <b>ALH310W-HGS-D-A</b><br>External Half Glare shield for ALH310W |
|  | <b>ALH150W-FGS-D-A</b><br>External 360° Full Visor for ALH150W      |  |                                                                  |
|  | <b>ALH240W-FGS-D-A</b><br>External 360° Full Visor for ALH240W      |    | <b>ALH310W-FGS-D-A</b><br>External 360° Full Visor for ALH310W   |

## Mounting Information

### Mounts and Brackets

May come with separate box with fixture.

|                                                                                                                                                                            |                                                                                                                                          |                                                                                                                                                                               |                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <br> | <b>ALHSQMD02</b><br>Square & Round Pole Mount for XALH, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.) | <br> | <b>ALHSPMD01</b><br>Slipfitter Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|

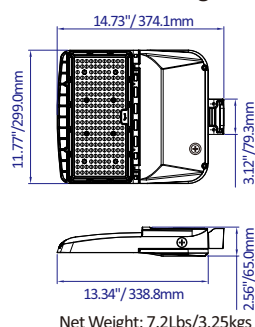
|  |                                                                                                                                          |  |                                                                                                                                                                 |
|--|------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>ALHWMD01</b><br/>Wallmount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)</p>                |  | <p><b>ALHTRMD01</b><br/>Trunnion Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)</p>                                 |
|  | <p><b>ALHUVMD01</b><br/>Universal Bracket Mount for XALH, Dark Bronze (Black, White, Grey and other customized color are available.)</p> |  | <p><b>ALHAAMD02</b><br/>Adjustable Square &amp; Round Pole Mount for XALH, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.)</p> |

## Electrical Data

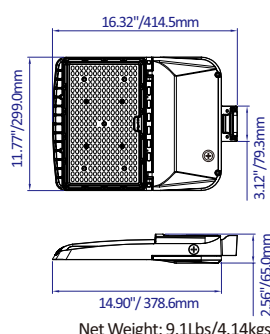
| Model Series          | Wattage(W) | Current (A)       |      |      |      |      |      |
|-----------------------|------------|-------------------|------|------|------|------|------|
|                       |            | Input Voltage (V) |      |      |      |      |      |
|                       |            | 120               | 208  | 240  | 277  | 347  | 480  |
| ALH(80/100/120/150)W  | 80         | 0.74              | 0.43 | 0.37 | 0.32 | 0.26 | 0.19 |
|                       | 100        | 0.93              | 0.53 | 0.46 | 0.40 | 0.32 | 0.23 |
|                       | 120        | 1.11              | 0.64 | 0.56 | 0.48 | 0.38 | 0.28 |
|                       | 150        | 1.39              | 0.80 | 0.69 | 0.60 | 0.48 | 0.35 |
| ALH(170/200/220/240)W | 170        | 1.57              | 0.91 | 0.79 | 0.68 | 0.54 | 0.39 |
|                       | 200        | 1.85              | 1.07 | 0.93 | 0.80 | 0.64 | 0.46 |
|                       | 220        | 2.04              | 1.18 | 1.02 | 0.88 | 0.70 | 0.51 |
|                       | 240        | 2.22              | 1.28 | 1.11 | 0.96 | 0.77 | 0.56 |
| ALH(240/260/280/310)W | 240        | 2.22              | 1.28 | 1.11 | 0.96 | 0.77 | 0.56 |
|                       | 260        | 2.41              | 1.39 | 1.20 | 1.04 | 0.83 | 0.60 |
|                       | 280        | 2.59              | 1.50 | 1.30 | 1.12 | 0.90 | 0.65 |
|                       | 310        | 2.87              | 1.66 | 1.44 | 1.24 | 0.99 | 0.72 |

## Dimensions& Weight

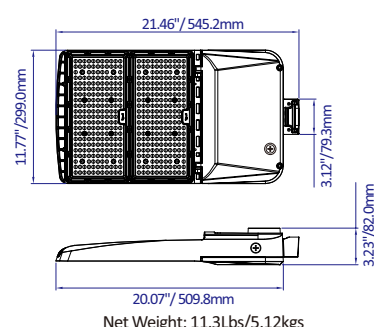
80W / 100W / 120W / 150W  
Without Mounting Bracket



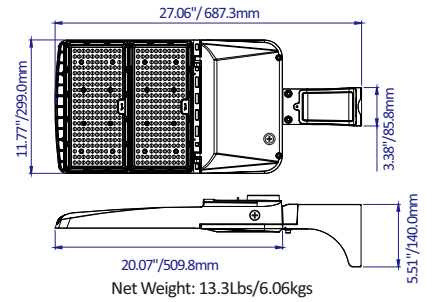
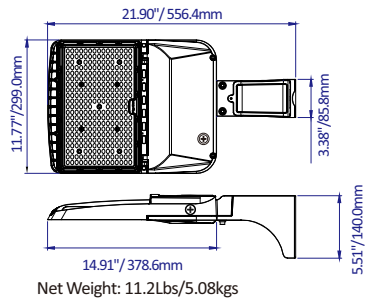
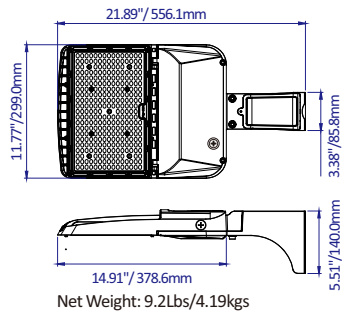
170W / 200W / 220W / 240W



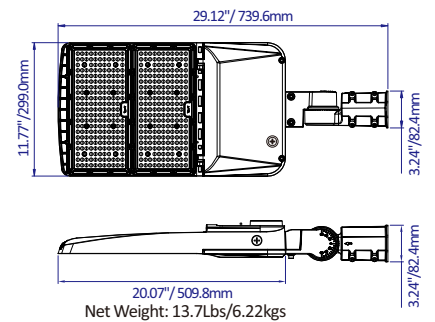
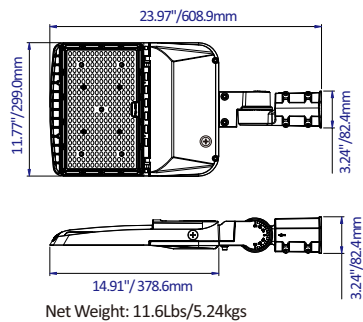
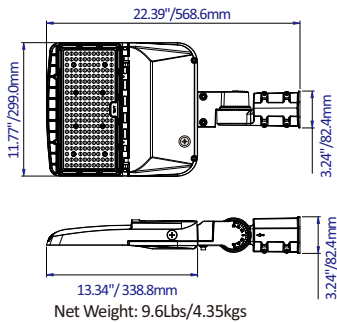
240W / 260W / 280W / 310W



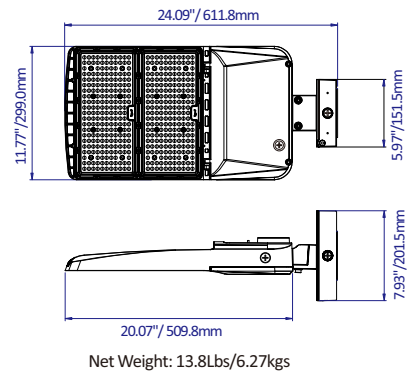
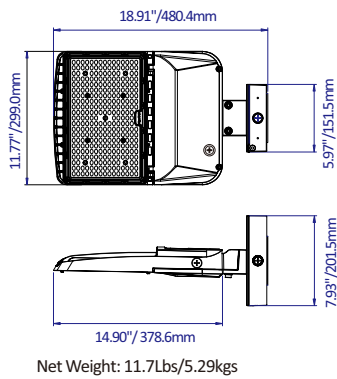
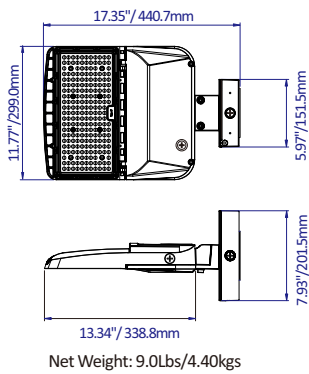
## Square & Round Pole Mount



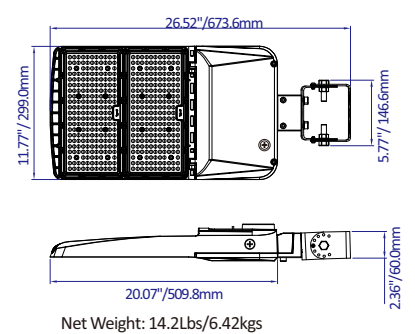
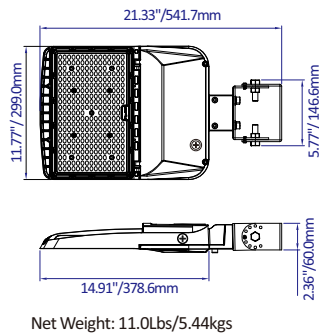
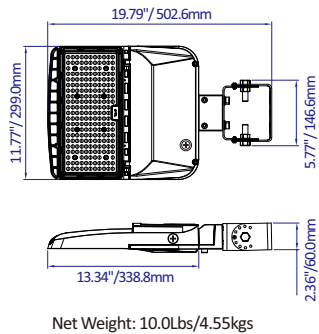
## Slip Fitter Mount



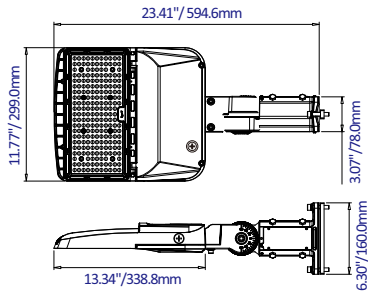
## Wall Mount



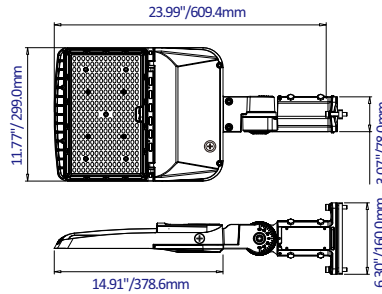
## Trunnion Mount



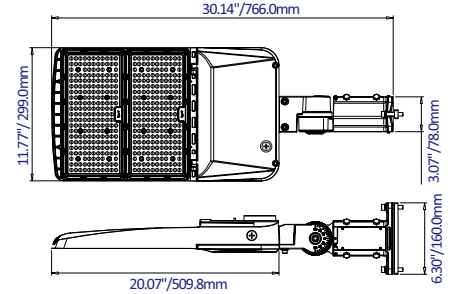
### Universal bracket



Net Weight: 10.6Lbs/4.80kgs

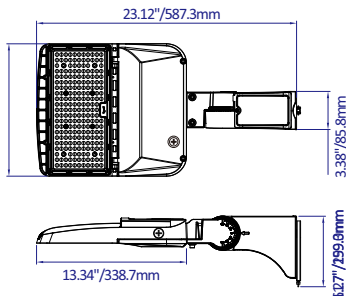


Net Weight: 12.5Lbs/5.69kgs

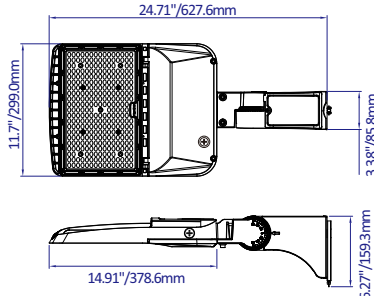


Net Weight: 14.7Lbs/6.67kgs

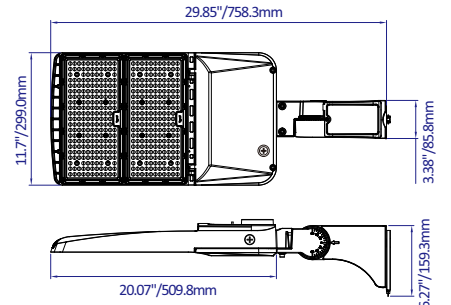
### Adjustable Square & Round Pole Mount



Net Weight: 10.5Lbs/4.74kgs



Net Weight: 12.2Lbs/5.52kgs



Net Weight: 14.5Lbs/6.59kgs

## Shipping Information

| Model                                               | Individual box size (in) | Individual box weight (lbs) | Per carton (pcs) | 20GP (boxes) | 40HQ (boxes) |
|-----------------------------------------------------|--------------------------|-----------------------------|------------------|--------------|--------------|
| ALH(80/100/120/150)W                                | 15.59 x 13.07 x 5.24     | 7.91                        | 1                | 1487         | 2745         |
| ALH(170/200/220/240)W                               | 17.17 x 13.07 x 5.24     | 10.12                       | 1                | 1351         | 2493         |
| ALH(240/260/280/310)W                               | 22.32 x 13.07 x 5.71     | 13.01                       | 1                | 953          | 1759         |
| ALHSQMD02<br>(Square & Round Pole Mount)            | 23.6 x 8.7 x 7.7         | 17.59                       | 8                | 1010         | 1865         |
| ALHSPMD01<br>(Slipfitter Mount)                     | 14.8 x 9.8 x 7.9         | 20.35                       | 8                | 1387         | 2560         |
| ALHWMD01<br>(Wallmount)                             | 17.3 x 13.2 x 8.9        | 21.75                       | 8                | 784          | 1447         |
| ALHTRMD01<br>(Trunnion Mount)                       | 12.8 x 11.6 x 7.5        | 24.21                       | 8                | 1427         | 2635         |
| ALHUVMD01<br>(Universal Bracket Mount)              | 14.4 x 14.0 x 9.3        | 28.68                       | 8                | 854          | 1576         |
| ALHAAMD02<br>(Adjustable Square & Round Pole Mount) | 20.5 x 15.6 x 6.7        | 28.70                       | 8                | 745          | 1375         |