

# KEENE

by Signify

## Site & Area

Area light

AL70/AL150



The **Keene Area light** features energy saving LED technology ideal for pole mounted area lighting applications. The Area light is available with Type 3 and 4 distributions in four lumen packages, providing up to 22,000 lumens.

Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Cat.No: \_\_\_\_\_  
Type: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Ordering guide

Example: AL-150-NW-G2-AR-3-8-FAWS-BZ

| Luminaire     | Wattage            | LED Color-Generation                       | Mounting                     | Distribution         | Voltage                            | Dimming Controls                       | Finish    |
|---------------|--------------------|--------------------------------------------|------------------------------|----------------------|------------------------------------|----------------------------------------|-----------|
| <b>AL</b>     |                    | <b>NW-G2</b>                               | <b>AR</b>                    |                      | <b>FAWS</b>                        |                                        | <b>BZ</b> |
| AL Area Light | 70 70W<br>150 150W | NW-G2 Neutral White, 4000K, 70 CRI, Gen. 2 | AR <sup>1</sup> Arm mounting | 3 Type 3<br>4 Type 4 | 8 120-277 volts<br>6 347-480 volts | FAWS Field Adjustable Wattage Selector | BZ Bronze |

1. Mounts to a square pole.

### Accessories

**AL-SF-G2-BZ** Slip Fitter Mounting Accessory  
(Order separately, field installed)

**AL-RP-G2-BZ** Round Pole Adapter Accessory  
(Order separately, field installed)



Slip Fitter  
Mounting Accessory



Round Pole Adapter  
Mounting Accessory



# AL70/AL150 LED Area light

## Specifications

### Housing

Aluminum die-cast housing with attachable arm, made of low copper die cast aluminum alloy for high resistance to corrosion.

### IP Rating

LED light engine rated IP66. Driver compartment rated to IP65. Luminaire housing is rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

### Vibration Resistance

Luminaire is tested and rated 1.5G over 100,000 cycles conforming to standards set forth by ANSI C136.31-2010. Testing includes vibration to 1.5G acceleration in three axes, all performed on the same luminaire.

### Electrical

Driver efficiency (>90% at full load). Available in 120-277V and 347-480V. IP66 compliant driver. RoHS compliant. Surge protector standard. 10KA per ANSI/IEEE C62.41.2. Each luminaire includes a 3-pin twist lock receptacle and shorting cap.

### LED Board and Array

224 or 336 LEDs. Color temperature 4000K, +/- 250K. Minimum CRI of 70. Metal core substrate.

### Optical System

Type 3 and 4 distributions available.

### LED Thermal Management

The sleek profile with optimized surface area and minimum use of heat fins, allows the one piece housing to provide excellent convection heat transfer thermal management critical to long LED system life.

### Controls

Field Adjustable Wattage Selector (FAWS) and 3 pin Receptacle with shorting cap included as standard on all models.

### Dimming Control Options

Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position at the lumen output selected. Use chart below to estimate reduction in lumen output desired.

| FAWS Position | % of Typical Lumen Output | Wattage Output |
|---------------|---------------------------|----------------|
| AL70          |                           |                |
| 1             | 100%                      | 71W            |
| 2             | 88%                       | 63W            |
| 3             | 78%                       | 55W            |
| 4             | 66%                       | 46W            |
| AL150         |                           |                |
| 1             | 100%                      | 142W           |
| 2             | 90%                       | 126W           |
| 3             | 81%                       | 112W           |
| 4             | 71%                       | 96W            |

### Mounting

Standard luminaire arm mounts to square poles.

### Energy Saving Benefits

System efficacy up to 172lm/W with significant energy savings over HID luminaires.

### Listings

UL/cUL listed to the UL 1598 standard, suitable for Wet Locations. Suitable for use in ambient from -40° to 40°C (-40° to 104°F).

All product configurations are DesignLights Consortium® qualified.

### Finish

Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard color is bronze (BZ).

### Limited Warranty

Luminaires, LED arrays, and drivers are all covered by a 5-year limited warranty. See [signify.com/warranties](https://www.signify.com/warranties) for details.

## Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.  $L_{70}$  is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM 21-11. Published  $L_{70}$  hours limited to 6 times actual LED test hours.

| Ambient Temp °C | LED Current | System Current | Calculated $L_{70}$ hrs <sup>1,2</sup> | $L_{70}$ per TM21 <sup>2,3</sup> | Lumen Maintenance @ 50,000 hrs |
|-----------------|-------------|----------------|----------------------------------------|----------------------------------|--------------------------------|
| 25 °C           | 40mA        | 1359mA         | >100,000                               | >54,000                          | 94%                            |

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.

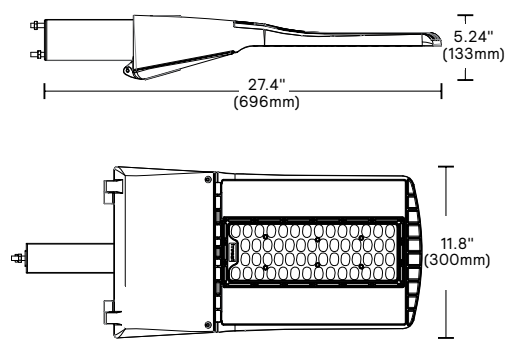
2.  $L_{70}$  is the predicted time when LED performance depreciates to 70% of initial lumen output.

3. Calculated per IESNA TM 21-11. Published  $L_{70}$  hours limited to 6 times actual LED test hours.

# AL70/AL150 LED Area light

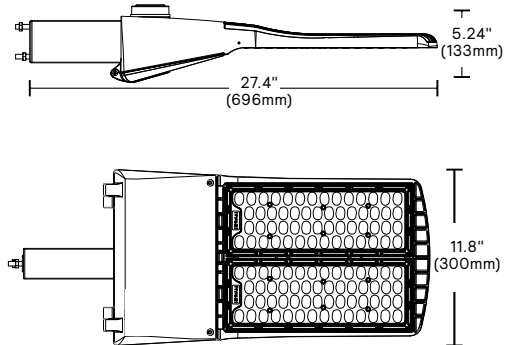
## Dimensions

AL70-NW-G2-AR



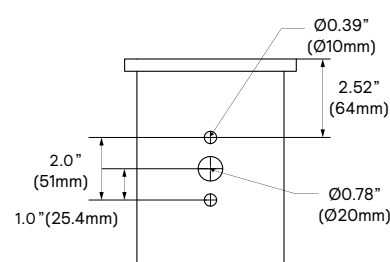
Weight: 13.6lbs (.4536kg)  
EPA: .203ft² (0.019m²)

AL150-NW-G2-AR



Weight: 13.6lbs (.4536kg)  
EPA: .203ft² (0.019m²)

Pole Drill Template



## LED Wattage and Lumen Values

| Ordering Code    | Total LEDs | LED Current (mA) | Color Temp. | Average System Watts | Type 3       |            |                | Type 4       |            |                |
|------------------|------------|------------------|-------------|----------------------|--------------|------------|----------------|--------------|------------|----------------|
|                  |            |                  |             |                      | Lumen Output | BUG Rating | Efficacy (LPW) | Lumen Output | BUG Rating | Efficacy (LPW) |
| AL70-NW-G2-AR-x  | 224        | 394              | 4000        | 46                   | 7609         | B2-U0-G2   | 164            | 7968         | B2-U0-G2   | 172            |
| AL70-NW-G2-AR-x  | 224        | 463              | 4000        | 55                   | 8919         | B2-U0-G2   | 162            | 9340         | B2-U0-G2   | 169            |
| AL70-NW-G2-AR-x  | 224        | 528              | 4000        | 63                   | 10118        | B2-U0-G2   | 161            | 10596        | B2-U0-G2   | 169            |
| AL70-NW-G2-AR-x  | 224        | 604              | 4000        | 71                   | 11451        | B3-U0-G3   | 161            | 11991        | B3-U0-G2   | 168            |
| AL150-NW-G2-AR-x | 336        | 926              | 4000        | 96                   | 15234        | B3-U0-G3   | 159            | 15953        | B3-U0-G3   | 166            |
| AL150-NW-G2-AR-x | 336        | 1078             | 4000        | 112                  | 17500        | B3-U0-G3   | 157            | 18325        | B3-U0-G3   | 164            |
| AL150-NW-G2-AR-x | 336        | 1202             | 4000        | 126                  | 19387        | B3-U0-G3   | 154            | 20301        | B3-U0-G3   | 162            |
| AL150-NW-G2-AR-x | 336        | 1359             | 4000        | 142                  | 21572        | B3-U0-G3   | 152            | 22590        | B3-U0-G3   | 159            |

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown.

Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

FAWS allows the customer to adjust the lumen output and wattage to meet their application requirements



© 2023 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation  
400 Crossing Blvd, Suite 600  
Bridgewater, NJ 08807  
Telephone: 855-486-2216

Signify Canada Ltd.  
281 Hillmount Road,  
Markham, ON, Canada L6C 2S3  
Telephone: 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.