



# Advantage Parking and Canopy (APC)

## Parking Garage & Canopy Light



OVERVIEW	
Lumen Package (lm)	4,000 - 12,000
Wattage Range (W)	34 - 92
Efficacy Range (LPW)	124 - 131
Weight lbs (kg)	17.5 (7.9)
Controls Options	IMWS, ALBCMWS



### QUICK LINKS

## FEATURES & SPECIFICATIONS

### Construction

- Die-cast aluminum lens frame.
- Sleek, low-profile housing (<3.5") with no visible hardware or heat fins.
- Five stage chromate-conversion powder paint manufacturing process provides long life and combats against the elements.
- Hinged quick mount bracket mounts directly to a square or octagonal 4" surface or recessed j-box.
- Standard unit can be mounted to a rigid 3/4" pendant/stem (pendant sold separately). Unit comes standard with 5' 5-conductor cord.

### Optical System

- Precisely controlled edge lit technology provides best in class visual comfort as well as high performance.
- Available in 3000K, 3500K, 4000K and 5000K color temperature.
- Minimum CRI of 70.
- Optional 5% uplight module available.

### Electrical

- 0-10V dimming (10% - 100%) standard.
- The standard surge depends on the lumen range:
  - 4L-6L, which is set to 2kv
  - 8L-10L-12L which is set to 6kv
- Voltage:
  - UNV (120-277 VAC) Input 50/60 Hz
  - UNC (120-347 VAC) Input 50/60 Hz
- L90 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- Operating temperature:
  - Without EM -40C to +40C (-40F to +104F)
  - With EM +5C to +40C (+41F to +104F)
- High-efficacy LEDs with integrated circuit board mount directly to the housing to maximize heat dissipation and promote long life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### Controls

- There are 2 sensor options available:
  - Simple Sensor - integral microwave occupancy (IMWS) sensor
  - Airlink Blue Microwave occupancy Sensor (ALBCMWS)
- Fixture dimming is accomplished via wired and wireless methods:
  - Wired - 0-10V analog low-voltage control that varies DC voltage
  - Wireless - Bluetooth Low Energy (BLE) Mesh

### Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

### Listings

- UL and CUL listed for damp locations
- State of California Title 24 Compliant
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

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Type : \_\_\_\_\_

 **Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

TYPICAL ORDER EXAMPLE: APC 8L T5 UNC 735 BLK EM									
Prefix	Lumen Package	Distribution	Voltage	Color Rendering/Temperature	Finish	EM Options	Controls Options	Options	
APC - Advantage Parking Garage and Canopy	<b>4L</b> - 4,000 Lumens <b>6L</b> - 6,000 Lumens <b>8L</b> - 8,000 Lumens <b>10L</b> - 10,000 Lumens <sup>4</sup> <b>12L</b> - 12,000 Lumens <sup>4</sup>	T5 - Type 5 Symmetrical	UNV - 120V-277V <sup>2</sup> UNC - 120V-347V	<b>730</b> - 70CRI/3000K <sup>4</sup> <b>735</b> - 70CRI/3500K <sup>4</sup> <b>740</b> - 70CRI/4000K <b>750</b> - 70CRI/5000K	<b>BLK</b> - Black <b>SLV</b> - Silver <b>WHT</b> - White <sup>1</sup> <b>BRZ</b> - Bronze <sup>1</sup>	EM - Integral Emergency Battery Backup <sup>5</sup>	<b>IMWS</b> - Integral Microwave Sensor <b>ALBCMW</b> - Airlink Blue (Silvair) Microwave Sensor	<b>SP1</b> - 10kV Surge Protection <b>U</b> - Uplight Module (5%)	



Need more information?

[Click here for our glossary](#)

Have additional questions?

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## PENDANT ORDERING INFORMATION

(Accessories are field installed)

Order Number	Description	Image
BC600 3	3/4" (19 mm) Top Decorative Box Cover Aligner	
BC585	3/4" (19 mm) Top Round Box Cover Aligner	
BC585SQ	3/4" (19 mm) Top Square Box Cover Aligner	

## STEM ORDERING INFORMATION

(Accessories are field installed)

Order Number	Description	Image
ST 6 3	3/4" x 6" (19 mm x 152 mm) Aluminum Stem	
ST 12 3	3/4" x 12" (19 mm x 0.4 m) Aluminum Stem	
ST 18 3	3/4" x 18" (19 mm x 0.5 m) Aluminum Stem	
ST 24 3	3/4" x 24" (19mm x 0.6 m) Aluminum Stem	
ST 36 3	3/4" x 36" (19 mm x 0.9 m) Aluminum Stem	
ST 48 3	3/4" x 48" (19 mm x 1.2 m) Aluminum Stem	
COP 3	3/4" (19 mm) Aluminum Stem Coupler	
819046	APC PMK (Pendant Mount Kit)	

1 Finish is not stock and only available as made to order item (MOQ's apply)

2 Only available in 4L, 6L, 8L

3 Not Used

4 Only available in UNC

5 EM ambient temperature is 5C to 40C



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## PERFORMANCE

### Delivered Lumens<sup>1</sup>

Lumen Package	Distribution	Lens Type	CRI	3000K CCT		3500K CCT		4000K CCT		5000K CCT		Wattage
				Delivered Lumens	Efficacy							
4L	T5	Edge-lit	70	3725	124	3831	127	3787	126	3932	131	30
6L	T5	Edge-lit	70	6179	123	6355	127	6282	125	6522	130	50
8L	T5	Edge-lit	70	8066	120	8295	123	8200	122	8513	126	67
8L	T5	Edge-lit	70	7889	120	8113	123	8020	122	8326	126	66
10L	T5	Edge-lit	70	10026	117	10311	121	10193	119	10582	124	85
12L	T5	Edge-lit	70	12314	112	12619	115	12596	115	13004	118	110

### Electrical Data - Current Draw AMPS<sup>2</sup>

Lumen Package	Wattage	120V	208V	240V	277V	347V
4L	30	0.25	0.14	0.13	0.11	0.09
6L	50	0.42	0.24	0.21	0.18	0.14
8L	67	0.56	0.32	0.28	0.24	0.19
8L	66	0.55	0.32	0.27	0.24	0.19
10L	85	0.71	0.41	0.36	0.31	0.25
12L	110	0.92	0.53	0.46	0.40	0.32

### Recommended Lumen Maintenance - APC<sup>3</sup>

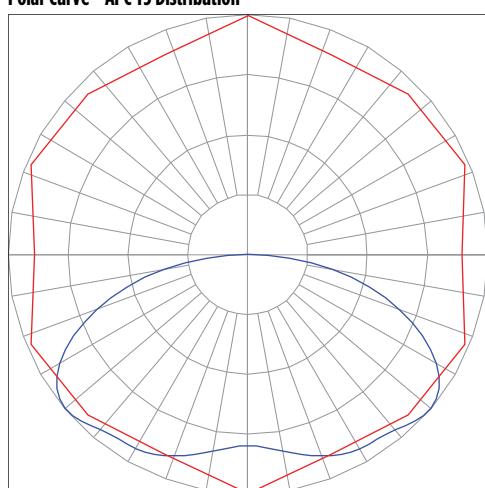
Ambient Temperature °C	Initial <sup>4</sup>	25K hrs. <sup>4</sup>	50K hrs. <sup>4</sup>	75K hrs. <sup>5</sup>	100K hrs. <sup>5</sup>
0 °C	100%	93%	86%	80%	74%
10 °C	100%	95%	89%	84%	79%
20 °C	100%	94%	88%	83%	78%
25 °C	100%	94%	88%	83%	77%
30 °C	100%	94%	88%	82%	77%
40 °C	100%	93%	87%	81%	76%

## PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

### Polar Curve - APC T5 Distribution



█ Vertical Plane   █ Horizontal Cone

1 LED Chips are frequently updated therefore values are nominal.

2 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

3 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.

4 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

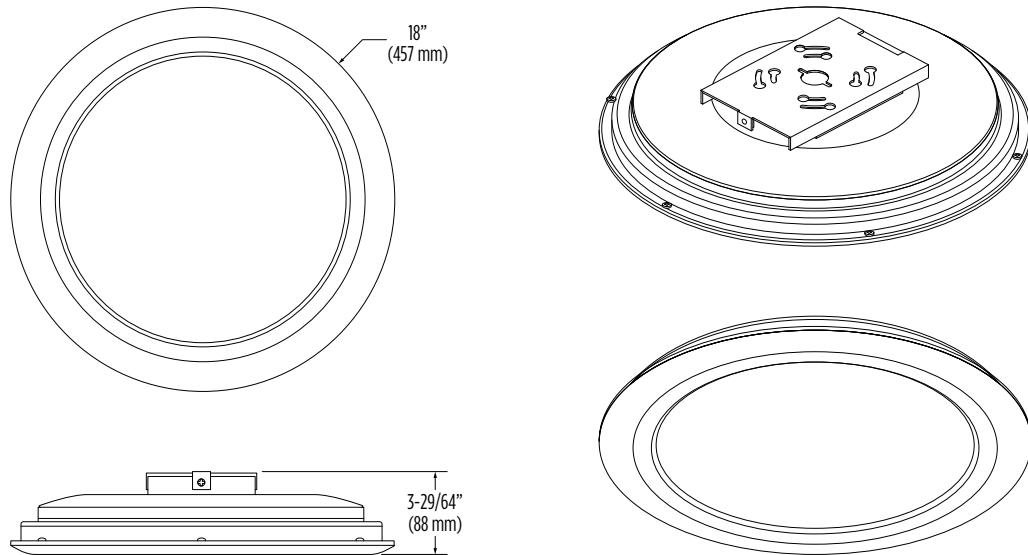
5 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

# Advantage Parking and Canopy (APC)

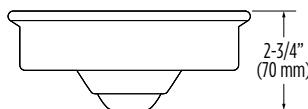
Type : \_\_\_\_\_

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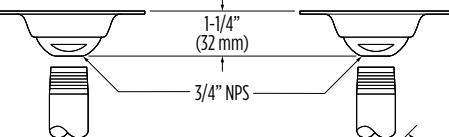
## PRODUCT DIMENSIONS



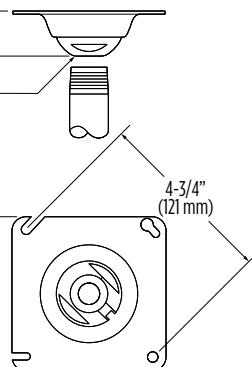
**Decorative Aligner**  
(BC600 3)



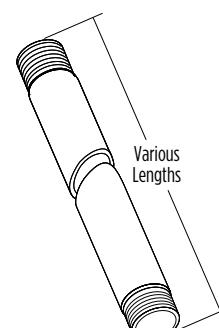
**Round Aligner**  
(BC585)



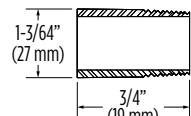
**Square Aligner**  
(BC585SQ)



**Aluminum Stem**  
(ST 6-60 3)



**Thread Notes**  
3/4 - 14 NPT  
(3/4" Pipe)  
(14 Threads Per Inch)  
(National Pipe Tapered)



**APC Angled down**



**APC Side-view**



## MOUNTING

### Direct/Surface Mount

Mounting plate with "quick mount" hanger for one person simple installation to a 4" square or octagonal junction box.



### Pendant/Stem Mount

3/4" threaded nuts (included) provide mounting to rigid 3/4" pendant/stem (order separately).



# Advantage Parking and Canopy (APC)

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Type : \_\_\_\_\_

## CONTROLS

### Microwave Sensor (IMWS)



On/off control

Detection area

Hold time

Daylight threshold

Stand-by period

Stand-by dimming level



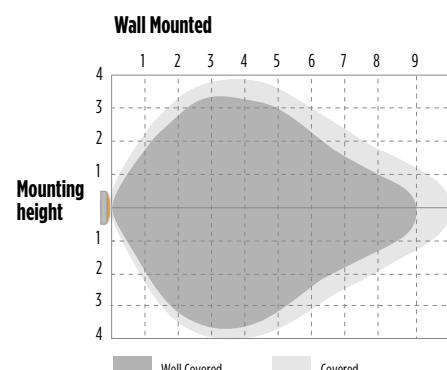
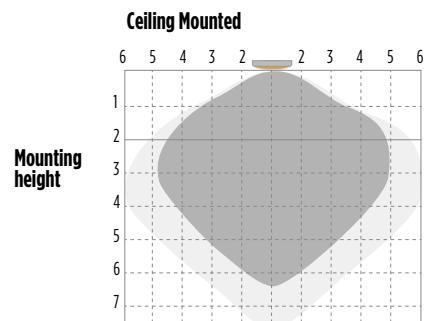
1. 5.8GHz microwave motion sensor with dimmable function.
2. Suitable for Ceiling lights or Bulkhead.
3. Loop in and loop out for easy installation.
4. Sensitive and reliable
5. 3 year limited warranty.

Technical Data	
<b>Operating voltage</b>	120-277VAC,50Hz/60Hz
<b>Switching capacity</b>	Max,3.0A@120Vac,50/60Hz; Max,2.0A@277Vac,50/60Hz
<b>Stand-by power</b>	≤1W
<b>Control method</b>	On/off / 1-10V Dimming
<b>Microwave frequency</b>	5.8GHz±75MHz
<b>Microwave power</b>	<0.3mW
<b>Detection area</b>	10%/50%/75%/100%
<b>Hold time</b>	5s/30s/1min/5min/10min/20min/30min
<b>Daylight threshold</b>	2Lux/10Lux/50Lux/Disable
<b>Stand-by period</b>	0s/10s/1min/10min/30min/1H/∞
<b>Stand-by dimming level</b>	10%/20%/30%/50%
<b>Mounting height</b>	2.5-6m / 8.2-19.68ft
<b>Detection range</b>	Max.ø14m/45.93ft
<b>Motion detection</b>	0.5-1.5m/s
<b>Operating temperature</b>	-20°C~+55°C
<b>IP rating</b>	IP20
<b>Warranty</b>	3 years

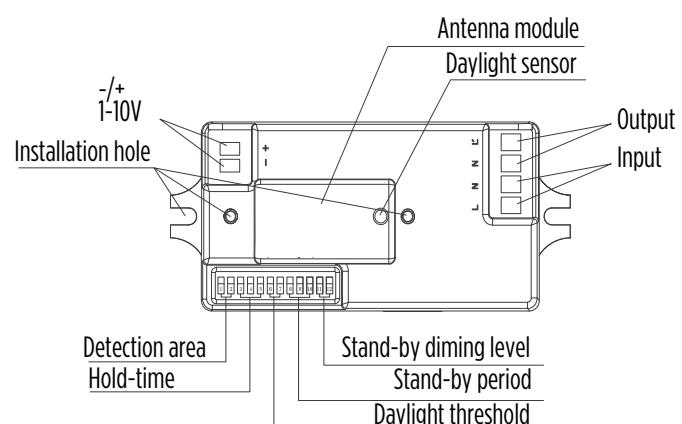
Factory Default Setting: Detection area 100% / Hold time 5s / Daylight threshold Disable/Stand-by period 0s / Stand-by dimming level 10%.

### Detection Coverage

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity. Typical installation height 2.5-6m



### Mechanical Structure



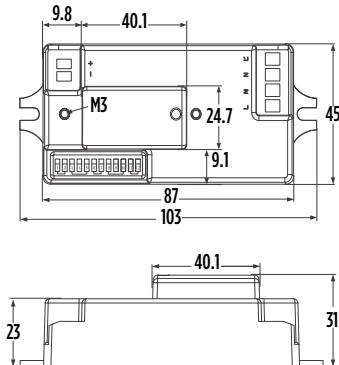
## Advantage Parking and Canopy (APC)

Type: \_\_\_\_\_

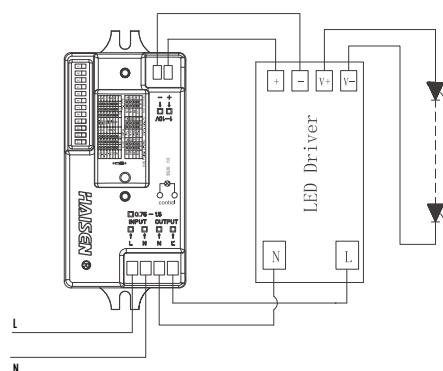
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## CONTROLS

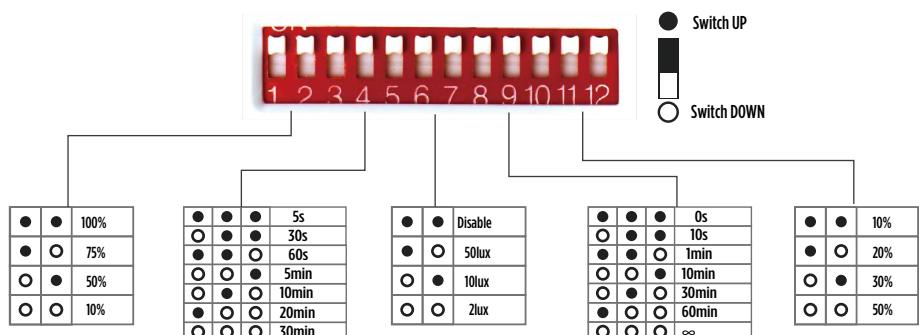
### Dimensions (Unit: mm)



## Wiring Diagram



## Settings



### Detection Area

**Detection Area**  
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

### Hold-time

**Hold time**  
The period of light keeping 100% brightness after moving objects leave the detection area.

### Daylight Threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

### Stand-by Period

**Stand by, Preset**  
The period of light keeping low output before it's completely switched off. When it's preset as  $\infty$  the light always keep at low output if no movement in the detection area and

### Stand-by Dimming Level

**Standby Dimming Level**  
The definition of low output in the standby period.

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Type : \_\_\_\_\_

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## CONTROLS

### Application

#### 1. Automatically ON/OFF function:

Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight,  
even when motion detected,  
light remains OFF.



With insufficient daylight,  
when motion detected, light ON.



After the last detection and  
the present hold time  
elapsed, light OFF.

#### 2. No daylight function

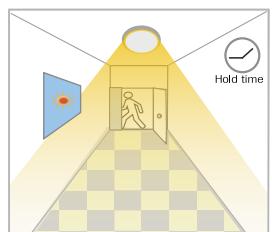
The daylight threshold is set to "Disable".

Light on when detect movement, After people leave, Light off after stand-by period.

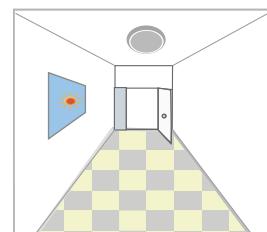
Applications: Dim places such as Basement Parking, Underpass.



When motion is detected,  
the sensor will switch on the  
light to 100% brightness.

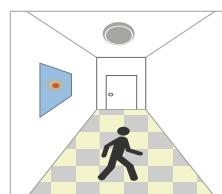


After people leave the detection  
area, light remains 100%  
brightness within hold time.



After the last detection and  
the present hold time  
elapsed, light OFF.

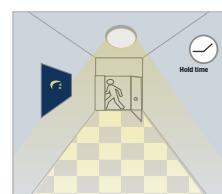
#### 3. Function Demo - Dimmable control/Corridor function



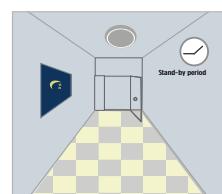
With sufficient daylight,  
even when motion  
detected, light remains  
OFF.



With insufficient  
daylight, when motion  
detected, light ON.



After last detection, the  
light will be dimmed  
down to the stand-by  
dimming level  
(10%,20%,30% or 50%)  
after holdtime.



After the stand-by  
period, light OFF.



# Advantage Parking and Canopy (APC)

Type: \_\_\_\_\_

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## CONTROLS

### AirLink Blue (ALBMWS)

Wireless Bluetooth Mesh Lighting Control System that incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim to provide energy savings code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App with technology partner Silvair. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)



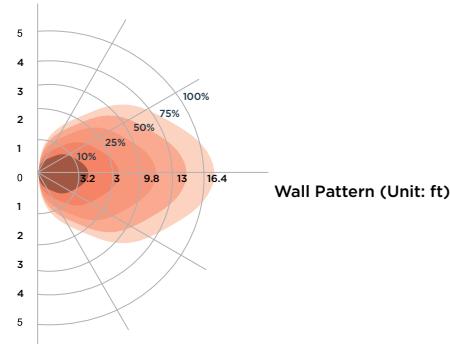
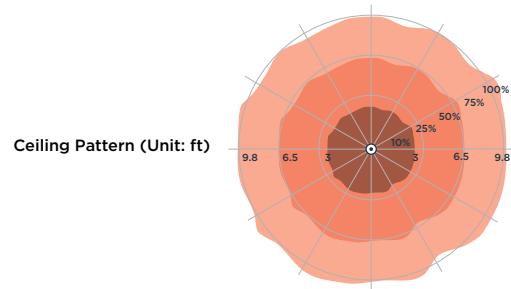
AirLink Blue App



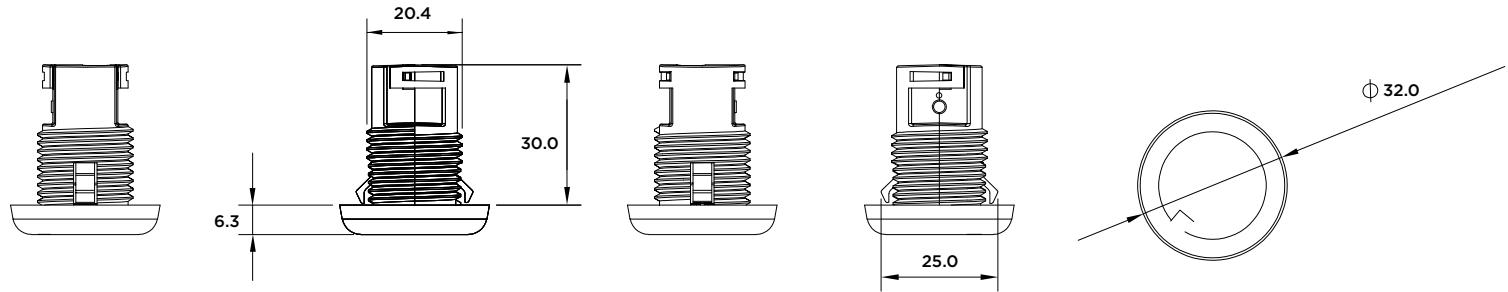
Apple

## Performance

Installation Height: 6.5 ft (2m) to 13.1 ft (4m) max. 19.6 ft (6m)



## Product Dimensions



## Wiring

