

## PRC Series

### LED IP65 Selectable Round High Bay

The Albeo PRC LED Series Round High Bay, 120-277V selectable lumens and selectable cct NSF IP65 Wet Rated luminaire is an exceptional mixture of value and performance. Ideal for high bay applications in industrial and commercial buildings. Designed to replace 175W–650W HID and four-to eight-lamp T5/T8 fixtures with unmatched reliability and quality.



## ProLine®

### CONSTRUCTION

<b>Housing:</b>	Die-cast Aluminum
<b>Lens:</b>	Polycarbonate
<b>Paint:</b>	Powder coat painted housing. No glass in housing or lenses
<b>Weight:</b>	6.5–9.5lb (2.95–4.30kg)
<b>Optical Assembly:</b>	90° clear optic, Optional polycarbonate refractor, drop lens, or aluminum reflector

### OPTICAL SYSTEM

<b>Lumens:</b>	15,000–34,000 (Field Selectable)''
<b>Wattage:</b>	100–240W
<b>Efficacy:</b>	Up to 160 LPW
<b>CCT:</b>	4000K, 5000K (Field Selectable)
<b>CRI:</b>	80
<b>Glare Rating:</b>	UGR<28

### ELECTRICAL

<b>Input Voltage:</b>	120–277V
<b>Input Frequency:</b>	50/60Hz
<b>Power Factor (PF)*:</b>	>0.9*
<b>Total Harmonic Distortion (THD)*:</b>	<20%*
<b>EMI:</b>	FCC CFR Title 47 Part 15, Class A
<b>Surge Protection:</b>	100–277V 6KV surge protection

\* PF and THD may vary with options

### CONTROLS

<b>Dimming:</b>	Standard 0–10VDC, 10%
<b>Sensors:</b>	Field-installable 12V, not suitable for 24V working current <30mA

### LUMEN AMBIENT TEMPERATURE

TYPE	TEMPERATURE RATE
<b>OPERATING TEMPERATURE</b>	With Sensor: –30°C to 50°C Without Sensor: –40°C to 50°C
<b>STORAGE TEMPERATURE</b>	With Sensor: –30°C to 70°C Without Sensor: –40°C to 70°C

### LUMEN MAINTENANCE

<b>LXX (10K) @ HOURS 50,000 HR</b>
L70

### MOUNTING

- **Typical Mounting:** ½" NPT hook included. Wall Mount bracket and safety tether may be ordered separately
- **Cord & Plugs:** 6ft cord included (pre-installed)

### ADDITIONAL NOTES

- UL 1598 Suitable for Wet Locations (IP65)
- NSF Splash Zone rated

### DESIGN LIFE & WARRANTY

- **Current's Limited 5-year Warranty:** Please refer to [IND599](#) in Product Downloads section at: <https://products.gecurrent.com>



### CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

### Ordering Information:

**PRC**    **0**                                    **08**                                    **8L**                                    **QV**                                    **ST**                                    **A**                                    **Q**                                    **B**                                    \_\_\_\_\_

PRODUCT ID	VOLTAGE	LUMENS	CCT/CRI	OPTICS	CONTROLS	MOUNTING	CORD	PLUG	FINISH	OPTIONS
<b>PRC</b>	<b>0</b> = 100–277V	<b>1X</b> = 15,000 – 21,000 <b>2X</b> = 24,000 – 34,000	<b>08</b> = 4000k/5000K, 80 CRI	<b>8L</b> = 90° lens	<b>QV</b> = 0–10V Dimming <i>Controls Ready</i>	<b>ST</b> = Hook <i>Additional mounting accessories available</i>	<b>A</b> = 6ft cord	<b>Q</b> = None	<b>B</b> = Black	<b>(Blank)</b> = No special options

SKU	LUMEN PACKAGE	TYPICAL DELIVERED LUMENS	WATTS	TYPICAL LPW (120-277V)	MAX AMBIENT TEMP (°C)
93157611	<b>1X</b>	15,500	100	155	50°C
	<b>1X</b>	18,360	120	153	50°C
	<b>1X</b>	21,300	150	142	50°C
93157612	<b>2X</b>	24,000	150	160	50°C
	<b>2X</b>	30,200	200	151	50°C
	<b>2X</b>	34,320	240	143	50°C

OPTICAL LENS ACCESSORY	OPTIC DESCRIPTION	OUTPUT MULTIPLIER
<b>Reflector</b>	Polycarbonate Refractor/Lens	98%, 93% w/Lens
<b>Reflector</b>	Aluminium Reflector	90%

**FIELD-INSTALLABLE MOUNTING AND ACCESSORY OPTIONS**

MOUNTING/ACCESSORY OPTIONS	IMAGE	ORDER SKU#	DIMENSIONS/NOTES
Safety Tether (optional)		All Wattage Ranges: 93159859 Min Order Quantity = 10	Cable length: 1m (39.4 in.) Cable Diameter: 2mm(.08 in.)
Wire Guard (optional)		150W: 93159853 200-240W: 93159854 Min Order Quantity = 10	150W: H 4.8cm (1.9 in.); Dia 26.1 cm (10.2 in.) 200-240W: H 5.2cm (2 in.); Dia 31.5cm (12.4 in.)
90° Polycarbonate Refractor (optional)		150W: 93159838 200-240W: 93159839 Min Order Quantity = 1	150W: H 16cm (6.3 in.); Dia 41cm (16.1 in.) 240W: H 16cm (6.3 in.); Dia 41cm (16.1 in.)
Polycarbonate Drop Lens (optional)		All Wattage Ranges: 93159840 Min Order Quantity = 1	Drop lens adds: H 4cm (1.6 in.)
90° Aluminum Reflector (optional)		150W: 93159851 200-240W: 93159852 Min Order Quantity = 5	150W: H 16.1cm (6.3 in.); Dia 42cm (16.5 in.) 200-240W: H 18.2cm (7.1 in.); Dia 47.3cm (18.6 in.)
Wall Mount Bracket (optional)		150W: 93159855 240W: 93159856 Min Order Quantity = 10	Total Height of assembly from top of bracket to bottom of fixture: 150W: 15cm (5.9 in.)?? 240W: 17cm (6.7 in.) ??
PIR Sensor -New (optional)		Sensor: 93159862 Remote: 93159857 Min Order Quantity = 1	Notes: 1. Easy plug-and-play install to center face of fixture; maintains IP65 rating 2. Sensor requires remote if programming is desired

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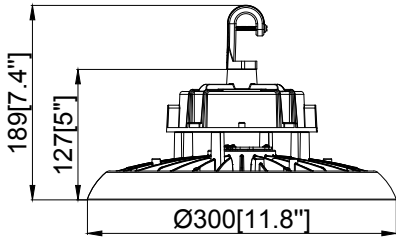
## CUSTOMER NAME

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

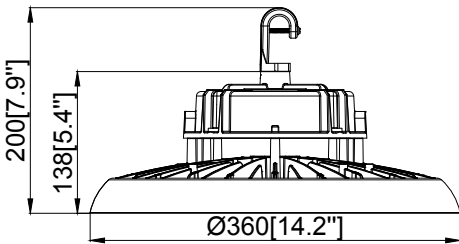
Catalog Number \_\_\_\_\_

### 100W-150W, 120-277V, 15,000-21,300 LUMENS WEIGHT: 2.5 KG (5.5 LBS)



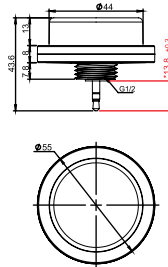
**100W – 150W**

### 150W-240W, 120-277V, 24,000-34,300 LUMENS WEIGHT: 2.7 KG (6.0 LBS)



**150W – 240W**

### FIELD-INSTALLABLE SENSOR (MM)\*

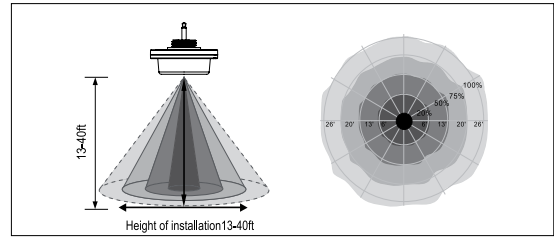


Sensor shown installed

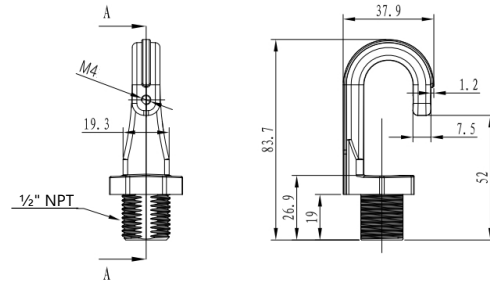


\*See Page 1 for details.

### SENSOR COVERAGE



### HOOK (1/2" NPT), INCLUDED (MM)



**CUSTOMER NAME**

Project Name \_\_\_\_\_

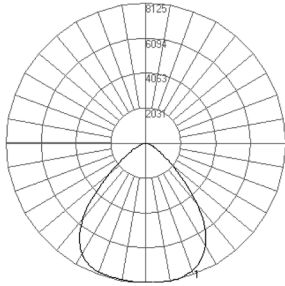
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Catalog Number \_\_\_\_\_

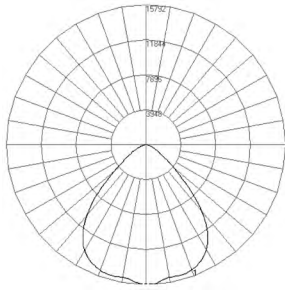
**PHOTOMETRIC DATA**

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**100-150W**  
15,000-21,300 Lumens



**150-240W**  
24,000-34,300 Lumens



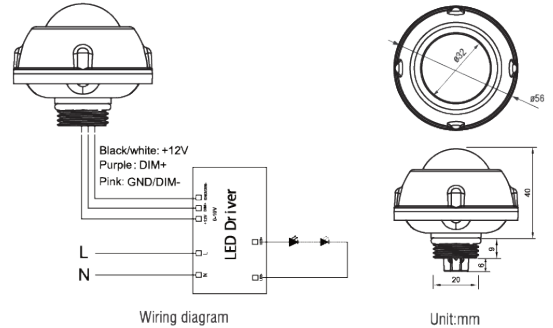
## CUSTOMER NAME

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Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

## MOTION SENSOR ACCESSORY SPECIFICATIONS



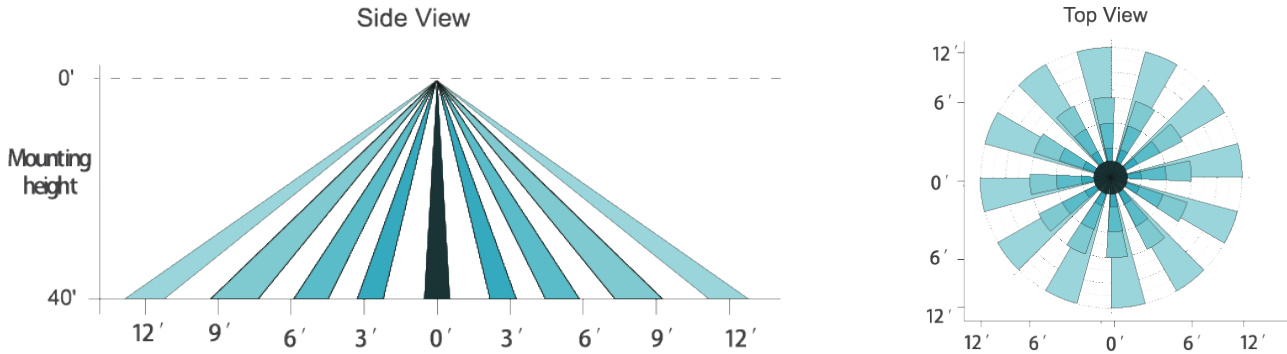
## TECHNICAL DATA

<b>Operating Voltage:</b>	12±2V DC
<b>Operating Current</b>	30mA
<b>Output:</b>	DIM 0-10V
<b>Stand-by Power:</b>	<0.5W
<b>Brightness:</b>	0%-100% Quick Setting: 70%/80%/90%/100%
<b>Hold Time:</b>	10s/1min/10min/30min
<b>Daylight Threshold:</b>	10Lux/30Lux/50Lux/100Lux/Disable
<b>Stand-by Time:</b>	1min/30min/60min + ∞
<b>Stand-by Dimming Level:</b>	10%/20%/30%/50%
<b>Detection Angle:</b>	≤120° (wall mounted), 360° (Ceiling mounted)
<b>Mounting Height:</b>	≤ 12m/39.37ft (Ceiling mounted)
<b>Detection Range:</b>	Radius, 2-4m/6.58-13.12ft (Ceiling mounted)
<b>Operating Temperature:</b>	-30°C~+60°C
<b>IP Rating:</b>	IP65 (Mounted on the light fixture)
<b>Warm-up Period</b>	50S

Note: Default setting - Brightness: 100%, Hold time: 1min, Stand-by dimming level: 20%, Stand-by time: 1min, Sensitivity: 100% (non-adjustable) Daylight: Disable.

## Detection Coverage

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

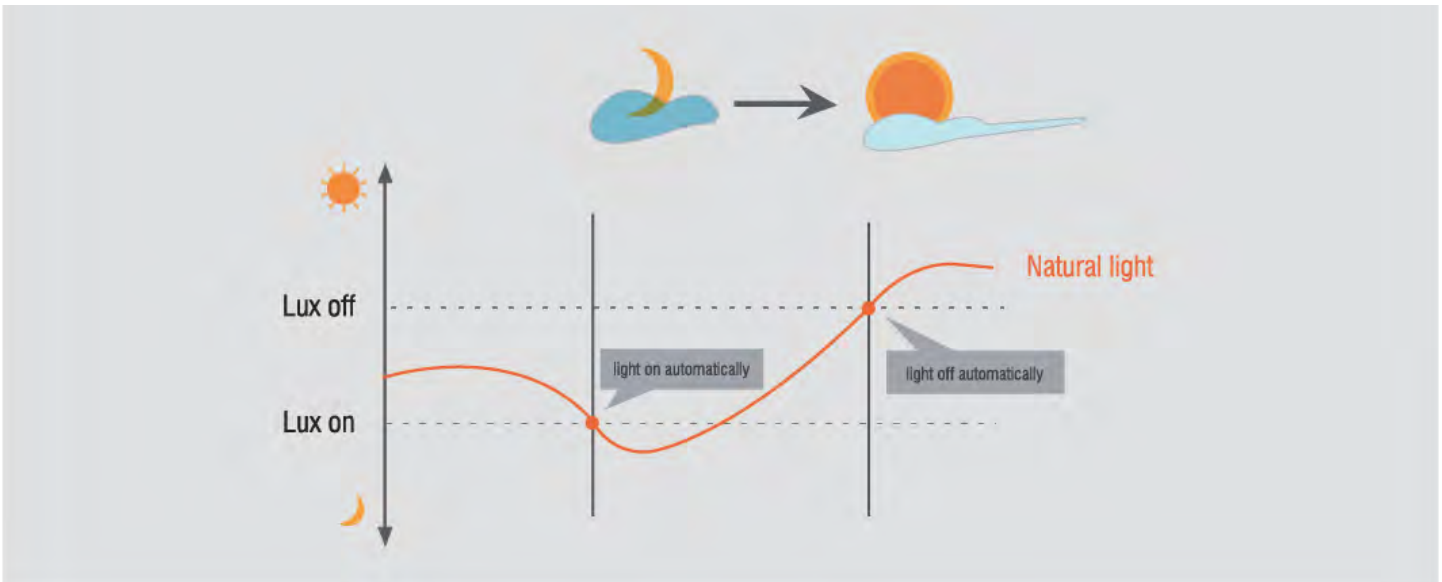


## Lux on/off

Adopted dual PD technology, PRC Motion Sensor is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

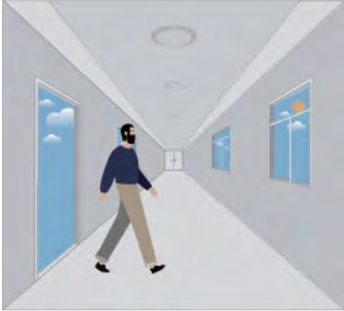
### Preconditions to use the Lux-off function:

1. Stand-by time is  $+\infty$
2. Stand-by dimming level is on 10%, 20%, 30%, or 50%
3. Daylight threshold is on 10Lux, 30Lux, 50Lux, or 100Lux (About 20% error between actual and reference values).



## Performance

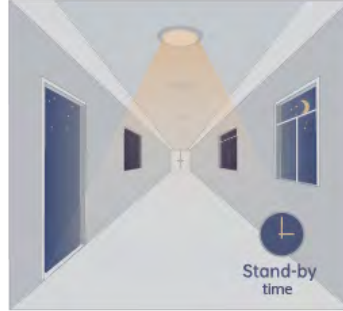
### 1. Automatic On/Off Function



With sufficient daylight, even when motion is detected, light will remain OFF.



With insufficient daylight, the sensor turns light ON when motion gets detected.

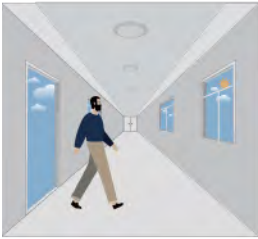


Light dims to stand-by level if no motion detected after hold time.



Light OFF when ambient lux level is higher than preset lux amount.

### 2. Corridor Function, Bi-level Dimmable



With sufficient daylight, the sensor keeps light OFF even motion gets detected, daylight function is on.



With insufficient daylight, the sensor turns light ON when motion gets detected.



After there's no motion detected, the sensor keeps light ON brightness setting for hold time.



After holdtime, sensor dims light to stand-by dimming level for stand-by time.



The sensor turns OFF light automatically after the stand-by time when there's no motion detected.

### 3. Daylight Disable



The sensor turns light ON when motion gets detected.



The sensor keeps light ON for hold time after motion leaves.



After hold time, sensor dims light to stand-by dimming level for stand-by time.



The sensor turns OFF light automatically after the stand-by time when there's no motion detected.

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## Attention

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1. Please read the instructions carefully before using this product and keep it for future reference.
2. The sensor should be installed by a qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

## Installation Precautions

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1. Turn the power off at the circuit breaker before installing the sensor.
2. Do not allow bare wires to show.
3. Assemble any necessary mounting accessories.
4. Have the sensor's lens lower than edge of the fixture and keep the sensor away from heating part.

## Application Environment

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1. Do not mount it outdoors, as it is sensitive to temperature changes.
2. Do not mount in areas with sudden changes in temperature or airflow.
3. Do not have shelves between sensor to the presence area.