

Hannaford Hinesburg

**Lighting Cut Sheets**

7/25/11

Job:  
Type:  
Notes:

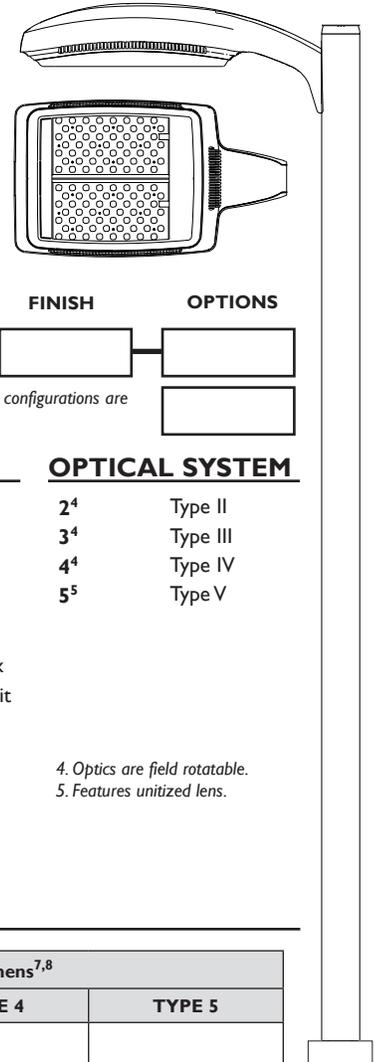
Fixture A and B



# Gullwing LED

## GL18 Area Luminaires

Philips Gardco Gullwing LED luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing. The Philips Gardco Gullwing LED is defined by its high performance, sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The advanced LED optical systems provide IES Types II, III, IV and V distributions. The luminaire features a state of the art integral thermal control system to maximize LED performance and life, and to extend component life. All LED wattages utilize high performance Class 1 LED systems. The door frame is single-piece die cast aluminum, and includes a high transmission glass lens. Luminaires are finished with a fade and abrasion resistant TGIC powdercoat. Gullwing LED luminaires provide full cutoff performance. Existing Philips Gardco Gullwing HID luminaires are suitable for field retrofit with the Gullwing LED retrofit kit.



PREFIX	MOUNTING	OPTICAL SYSTEM	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

### PREFIX

- Complete Luminaires** (See page 3 and page 4 for details on luminaire configurations.)
- GL18** 18" Gullwing LED Luminaire - Constant Wattage
  - GL18-DCC** 18" Gullwing LED with Dual Circuit Control
  - GL18-DIM** 18" Gullwing LED with 0-10V Dimming
  - GL18-MR50<sup>1</sup>** 18" Gullwing LED with Motion Response - 50% Low
  - GL18-APD<sup>2</sup>** 18" Gullwing LED with Automatic Profile Dimming
  - GL18-APD-MRO<sup>1</sup>** 18" Gullwing LED - APD with Motion Response Override

### Retrofit Kit

- GL18-RK** 18" Gullwing LED Retrofit Kit - Constant Wattage

1. Motion Response luminaires require one motion sensor per pole, ordered separately. See **Accessories** on page 2. Motion Response luminaires available 120V or 277V only.  
2. Available 120V through 277V only.

### MOUNTING

- 1** Single Pole Mount
- 2** Twin Pole Mount at 180°
- 2@90** Twin Pole Mount at 90°
- 3** 3-way Pole Mount at 90°
- 3@120<sup>3</sup>** 3-way Pole Mount at 120°
- 4** 4-way Pole Mount
- W** Wall Mount, Recessed J-Box
- WS** Wall Mount, Surface Conduit

3. Not available with PTF option.

### OPTICAL SYSTEM

- 2<sup>4</sup>** Type II
- 3<sup>4</sup>** Type III
- 4<sup>4</sup>** Type IV
- 5<sup>5</sup>** Type V

4. Optics are field rotatable.  
5. Features unitized lens.

### LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts <sup>6</sup>	LED Current (mA)	LED Selection	Luminaire Initial Absolute Lumens <sup>7,8</sup>			
				TYPE 2	TYPE 3	TYPE 4	TYPE 5
<b>Single LED Arrays</b>							
<b>65LA</b>	65	350	CW	4,765	4,633	4,496	5,674
<b>95LA</b>	95	530	CW	6,880	6,404	6,289	7,735
<b>130LA</b>	130	700	CW	8,070	7,805	7,771	9,736
<b>Dual LED Arrays</b>							
<b>125LA</b>	125	350	CW	9,118	8,671	8,603	10,718
<b>200LA</b>	200	530	CW	12,613	11,853	11,594	14,739
<b>255LA</b>	255	700	CW	15,440	14,646	14,157	17,703

6. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.  
7. Values shown are for CW luminaires without the HS external shield option. Tests are in process for NW, WW and luminaires with the HS option. Contact apps@sitelighting.com if any approximate estimates are required for design purposes.  
8. LED arrays feature LEDs that provide from 100 to 130 lumens per watt when operated at 350 mA. Lumen values based on tests performed in compliance with IESNA LM-79.

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G200-016/0611

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# Gullwing LED

## GL18 Area Luminaires

### LED SELECTION

<b>CW</b>	Cool White - 6000°K - 75 CRI
<b>NW</b>	Neutral White - 4000°K - 75 CRI
<b>WW</b>	Warm White - 3000°K - 75 CRI

### VOLTAGE

<b>UNIV</b>	120V through 277V, 50hz or 60hz
<b>HVU</b>	347V through 480V, 50hz or 60hz (High Voltage Universal)

### FINISH

<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>WP</b>	White Paint
<b>NP</b>	Natural Aluminum Paint
<b>OC</b>	Optional Color Paint <i>Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.</i>
<b>SC</b>	Special Paint <i>Specify. Must supply color chip.</i>

### OPTIONS *(Options are not available in GL18-RK retrofit kits, except as specifically noted below. See Note 16)*

<b>LF<sup>16</sup></b>	In-Line/In-Pole Fusing	<b>SPRA<sup>17</sup></b>	Surge Protection for 120V through 277V Input meeting ANSI C62.41.2
<b>PC<sup>9,18</sup></b>	Photocontrol and Receptacle	<b>SPRAH<sup>17</sup></b>	Surge Protection for 347V through 480V Input meeting ANSI C62.41.2
<b>PCR<sup>18</sup></b>	Photocontrol Receptacle only		
<b>HS</b>	External Houseside Shield		
<b>RPA1<sup>10</sup></b>	3" Round Pole Adapter		
<b>RPA2<sup>11</sup></b>	4" and 5" Round Pole Adapter		
<b>MF<sup>12</sup></b>	Mast Arm Fitter		
<b>TR1<sup>13</sup></b>	Single Transition		
<b>TR2<sup>13</sup></b>	Twin Transition		
<b>PTF2<sup>14</sup></b>	Pole Top Fitter - 2 3/8" - 3" Dia. Tenon		
<b>PTF3<sup>14</sup></b>	Pole Top Fitter - 3" - 3 1/2" Dia. Tenon		
<b>PTF4<sup>14</sup></b>	Pole Top Fitter - 3 1/2" - 4" Dia. Tenon		
<b>SQPTF<sup>15</sup></b>	Square Pole Top Fitter		
<b>DL<sup>16</sup></b>	Diffusing Lens <i>(reduces performance significantly)</i>		
<b>SPR</b>	Surge Protection for 120V through 277V Input		
<b>SPRH</b>	Surge Protection for 347V through 480V Input		

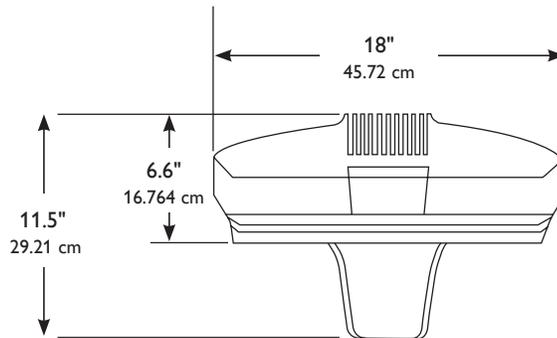
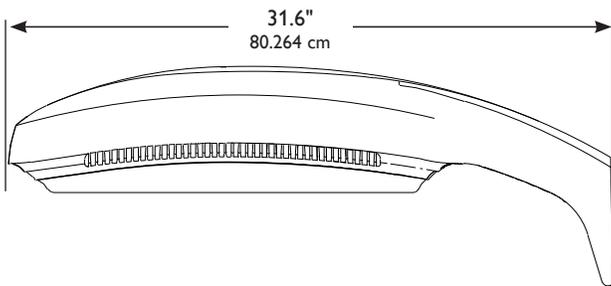
- 9. Not available above 277V.
- 10. Required for 3" O.D. round or tapered round poles where top O.D. is less than 4".
- 11. Required for 4" - 5" O.D. round poles.
- 12. Mounts to a 2-3/8" O.D. mast arm.
- 13. Mounts to a 2-3/8" Top Tenon. Specify a round pole with a 4.50" O.D. for a smooth transition.
- 14. Not available in 120° mounting configurations.
- 15. Requires a 2-3/8" O.D. x 4" tenon or a 2.4" round pole top O.D. Specify Drilling (1, 2, 2@90, 3 or 4 only).
- 16. Available with GL18-RK retrofit kits (as well as other configurations).
- 17. Not available in GL18-DCC.
- 18. Available in GL18 Constant Wattage only.

### ACCESSORIES *(Ordered separately)*

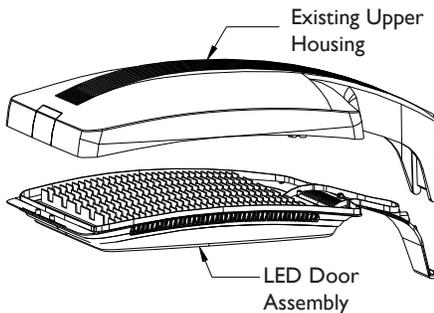
<b>MS-P</b>	120V or 277V Input - Pedestrian Motion Sensor for GL18-MR (Motion Response) or GL18-APD-MRO (Automatic Profile Dimming with Motion Response Override)
<b>MS-A-120V</b>	120V Input - Area Motion Sensor for GL18-MR (Motion Response) or GL18-APD-MRO (Automatic Profile Dimming with Motion Response Override)
<b>MS-A-277V</b>	277V Input - Area Motion Sensor for GL18-MR (Motion Response) or GL18-APD-MRO (Automatic Profile Dimming with Motion Response Override)

*Motion Sensors are ordered separately, with one (1) motion sensor required per pole location for GL18-MR or GL18-APD-MRO luminaires. See Luminaire Configuration Information on page 3 for more details. Pedestrian sensor color is white. Area motion sensor color is Arctic White.*

### DIMENSIONS AND EPA



#### GL18-RK LED Retrofit Kit



Note: Removal of all components of existing G18 Gullwing luminaires, except the upper housing, is required to perform a retrofit. GL18-RK includes all necessary retrofit components.

Note: TGIC polyester powdercoat will fade somewhat in exterior environments over time. Once the retrofit kit is installed, there is a possibility that the upper housing may have faded to a point where there is a noticeable paint difference between the upper housing (existing) and the retrofit kit door frame.

#### EPA Data

1	2	3-4
1.2 ft <sup>2</sup>	2.4 ft <sup>2</sup>	3.2 ft <sup>2</sup>
.12 m <sup>2</sup>	.24 m <sup>2</sup>	.30 m <sup>2</sup>

#### Approximate Weight Single Luminaire

40 lbs / 18.144 kg

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### LUMINAIRE CONFIGURATION INFORMATION (CONTINUED ON PAGE 4)

**GL18:** Philips Gardco Gullwing LED standard luminaire providing constant wattage and constant light output when power to the luminaire is energized.

**GL18-DCC:** Philips Gardco Gullwing LED luminaire provided with dual circuiting, permitting separate switching of each led array. Available on luminaires with dual led arrays only.

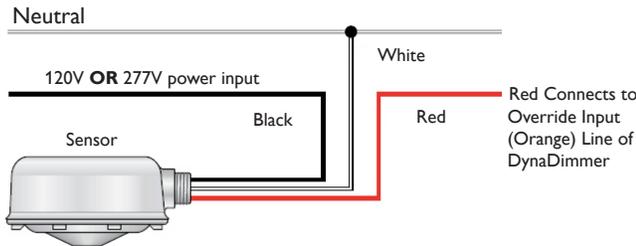
**GL18-DIM:** Philips Gardco Gullwing LED luminaire provided with 0 -10V dimming for connection to a control system provided by others.

**GL18-MR-50:** Philips Gardco Gullwing LED luminaire with motion response, providing a 50% power reduction on low and a commensurate reduction in light output. The power and light output reduction is accomplished utilizing the Philips DynaDimmer module, programmed for a constant 50% power. Power supplied by the motion sensor connected to the override line on the DynaDimmer takes the luminaire to high setting, 100% power and light output, when motion is detected. The luminaire remains on high until no motion is detected for the motion sensor duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes, and is field adjustable from 5 minutes up to 15 minutes.

This configuration is not available for use with wall mounted luminaires.

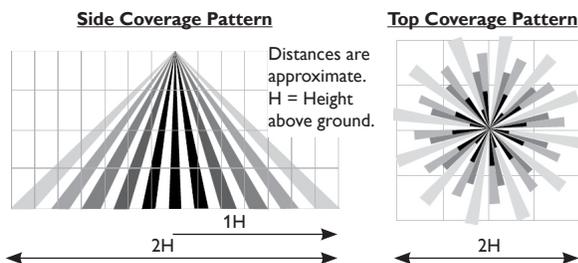
**GL18-MR50 is available in 120V through 277V input only to the luminaire. Motion sensors requires either UNIV input , or single voltage 120V or 277V input, based on the sensor chosen.**

The Pedestrian PIR motion sensor is the WattStopper HB350W-L3. One motion sensor per pole is required and is ordered separately as the MS-P accessory, see page 2. The Pedestrian sensor accept 120V through 277V input.

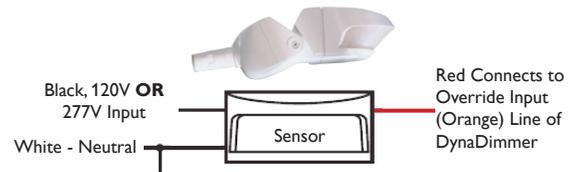


The pedestrian motion detector provides coverage equal to the sensor height above ground , in all directions from the sensor (360°.)

#### Pedestrian PIR Motion Sensor Coverage Pattern:

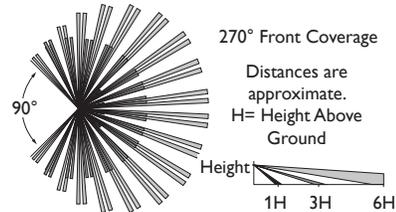


The Area PIR motion sensor is the WattStopper EW-200-120-W (120V Input - MS-GLA-120V) or the WattStopper EW-200-277-W (277V Input - MS-GLA-277V.) One motion sensor per pole is required and is ordered separately. Area sensors require single voltage 120V or 277V input.

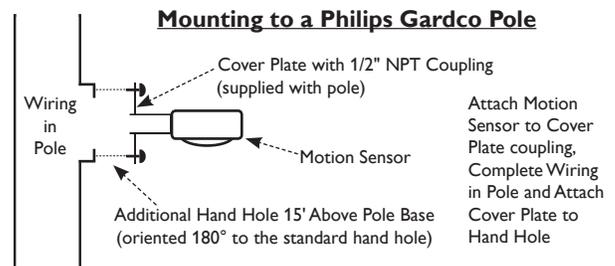


The area motion detector provides coverage equal to up to 6 times the sensor height above ground, 270° from the front-center of the sensor.

#### Area PIR Motion Sensor Coverage Pattern:



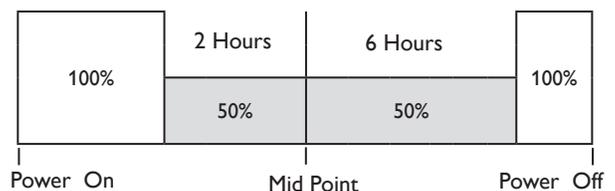
Motion response requires that the pole include an additional hand hole 15 feet above the pole base, normally oriented 180° to the standard hand hole. For Philips Gardco poles, order the pole with the Motion Sensor Mounting (MSM) option which includes the hand hole and a special hand hole cover plate for the sensor with a 1/2" NPT receptacle centered on the hand hole cover plate into which the motion sensor mounts. Once the motion sensor is connected to the hand hole cover plate, then wiring connections are completed in the pole. The plate (complete with motion sensor attached and wired) is then mounted to the hand hole. **If poles are supplied by others, the customer is responsible for providing suitable mounting accommodations for the motion sensor in the pole.**



**GL18-APD:** Philips Gardco Gullwing LED luminaire with Automatic Profile Dimming. Luminaire is provided with the Philips DynaDimmer module included. The DynaDimmer module is programmed to go to 50% power, 50% light output two (2) hours prior to night time mid-point and remain at 50% for six (6) hours after night time mid-point. Mid-point is continuously recalculated by the DynaDimmer module based on the average mid-point of the last two full night cycles. Short duration cycles, and power interruptions are ignored and do not affect the determination of mid-point.

**GL18-APD is available in 120V through 277V input only.**

#### GL18-APD Dimming Profile:



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### LUMINAIRE CONFIGURATION INFORMATION (CONTINUED FROM PAGE 3)

#### GL18-APD is available in 120V through 277V input only.

The GL18-APD offers many of the advantages of a sophisticated control system, including an average energy savings of at least 33% versus constant wattage, constant light output systems, without the need for a control system.

**GL18-APD-MRO:** Philips Gardco Gullwing LED luminaire with Automatic Profile Dimming, with Motion Response Override. The GL18-APD-MRO combines the benefits of both automatic profile dimming and motion response. The luminaire will dim to 50% power, 50% light output, per the dimming profile shown for the GL18-APD. If motion is detected during the time that the luminaire is operating at 50%, the luminaire returns to 100% power and light output. The luminaire remains on high until no motion is detected for the duration period, after which the luminaire returns to low. Duration period is factory set at 15 minutes, and is field adjustable from 5 minutes up to 15 minutes.

This configuration is not available for use with wall mounted luminaires.

#### GL18-APD-MRO is available in 120V through 277V input only to luminaire. The motion sensor requires either 120V or 277V input to the motion sensor.

The GL18-APD-MRO has the same pole requirements and utilizes the same motion sensors as the GL18-MR-50. The motion sensor mounts and wires

identically as well. The GL18-APD-MRO utilizes the identical dimming profile as shown for the GL18-APD.

By combining the benefits of automatic profile dimming and motion response, the GL18-APD-MRO assures maximum energy savings, and insures that adequate light is present if motion is detected.

Note: All motion sensors utilized consume 0.0 watts in the off state.

**GL18-RK:** Philips Gardco Gullwing LED Retrofit kit for existing Gullwing luminaires. The retrofit kit provides a simple way to convert existing sites that utilize Gullwing luminaires to LED. The retrofit kit includes all necessary components to complete the retrofit conversion. The existing optic, ballast tray and door assembly are removed and replaced by retrofit kit components. The retrofit kit includes the door frame and lens as well as the LED driver assembly.

#### The GL18-RK is available only in a constant wattage, constant light output design, and is not available with any Options, except as specifically indicated on page 2.

Note: TGIC polyester powdercoat will fade somewhat in exterior environments over time. Once the retrofit kit is installed, there is a possibility that the upper housing may have faded to a point where there is a noticeable paint difference between the upper housing (existing) and the retrofit kit door frame.

### SPECIFICATIONS

**GENERAL DESCRIPTION:** The Philips Gardco Gullwing LED is defined by its high performance, sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. Gullwing LED luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

**HOUSING:** A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 1.2 ft<sup>2</sup> / .12 m<sup>2</sup>.

**IP RATING:** Gullwing LED 18" luminaires have a rating of IP66.

#### LED RELIABILITY:

PREDICTED LUMEN DEPRECIATION DATA		
Ambient Temperature °C	Driver mA	L <sub>70</sub> Hours <sup>19</sup>
25 °C	350 mA	130,000
	530 mA	100,000
	700 mA	70,000
40 °C	350 mA	100,000
	530 mA	70,000
	700 mA	50,000

19. 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<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output.

**THERMAL MANAGEMENT:** The Philips Gardco Gullwing LED provides die cast aluminum integral thermal radiation fins combined with lateral air ways, to provide the excellent thermal management so critical to long LED system life.

**OPTICAL SYSTEMS:** Lensed LED arrays are set to achieve IES Type II, Type III, Type IV and Type V distributions. Individual LED arrays are replaceable. Types II, III and IV optical systems are field rotatable. Luminaires feature high performance Class 1 LED systems, and include a high transmission glass lens.

**ELECTRICAL:** Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 302°F / 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. All motion sensors utilized consume 0.0 watts in the off state.

**FINISH:** Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidic isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WYP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

**LABELS:** All luminaires bear UL or CUL (where applicable) Wet Location labels.

**WARRANTY:** Philips Gardco luminaires feature a 5 year limited warranty. Philips Gardco LED luminaires with LED arrays feature a 5 year limited warranty covering the LED arrays. Motion sensors are covered by warranty for 5 years by the motion sensor manufacturer. See Warranty Information on [www.sitelighting.com](http://www.sitelighting.com) for complete details and exclusions.

**FULL CUTOFF PERFORMANCE:** Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

Job:  
Type:  
Notes:

Fixture C



# I20 LINE LED

Page 1 of 3

## I21 LED Performance Sconce Constant Wattage - Full Light Output

The Philips Gardco I21 LED Performance Sconce provides an energy efficient, architecturally pleasing solution for wall mount applications. The sloped surface ribs of the die cast aluminum housing create a distinctly unique aesthetic element, and perform important functions in the Philips Gardco thermal management system. The high performance LED optical systems produce full cutoff performance, minimizing glare and light trespass. Philips Gardco's LED technology provides maximized light output and maximum energy savings.



PREFIX	LED CONTROLS	OPTICAL SYSTEM	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS
<input type="text"/>							

Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

### PREFIX

I21 I21 LED Performance Sconce

### LED CONTROLS

CWL Constant Wattage Full Light Output

### OPTICAL SYSTEM

FT Forward Throw

MT<sup>1</sup> Medium Throw

WT Wide Throw

<sup>1</sup>. Includes DL - Diffusing Glass Lens option.

### LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts <sup>2</sup>	LED Current (mA)	LED Selection	Luminaire Initial Absolute Lumens <sup>3,4</sup>				
				FT	FT with Diffuse Lens	MT includes Diffuse Lens	WT	WT with Diffuse Lens
35LA	37.2	364	CW	2,176	*	2,196	2,209	*
50LA	56.6	460	CW	3,082	2,491	3,218	3,432	2,450

<sup>2</sup>. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

<sup>3</sup>. LED arrays feature LEDs that provide 100 lumens per watt when operated at 350 mA. Average luminaire lumens per watt range from 49 to 58 lumens per watt, and are subject to the variances noted above.

<sup>4</sup>. Lumen values based on tests performed in compliance with IESNA LM-79.

\*. Indicates that photometric tests are in process. Photometric tests are also in process for NW LED Selection luminaires. Contact [apps@sitelighting.com](mailto:apps@sitelighting.com) if any approximate estimates are required for design purposes.

### LED SELECTION

CW Cool White - 6000°K - 75 CRI

NW Neutral White - 4500°K - 75 CRI

### VOLTAGE

UNIV Accepts 120V through 277V input, 50hz to 60hz.

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# 120 LINE LED

## 121 LED Performance Sconce Constant Wattage - Full Light Output

### FINISH

<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>WP</b>	White Paint
<b>NP</b>	Natural Aluminum Paint
<b>BGP</b>	Beige Paint
<b>OC</b>	Optional Color Paint Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.
<b>SC</b>	Special Paint Specify. Must supply color chip.

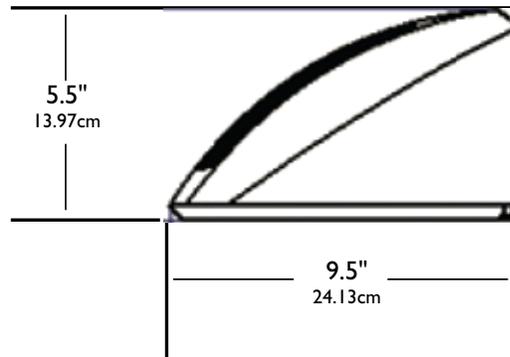
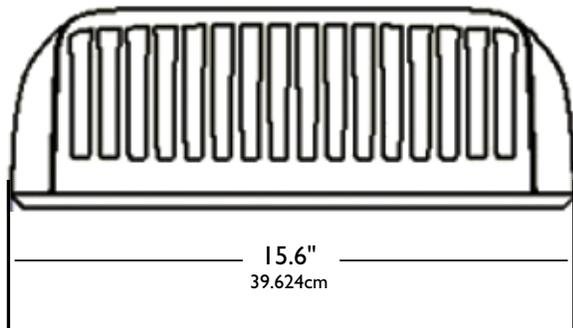
### OPTIONS

<b>F</b>	Fusing
<b>DL<sup>5</sup></b>	Diffusing Glass Lens
<b>PCB</b>	Button Type Photocontrol
<b>WS<sup>6</sup></b>	Wall Mounted Box for Surface Conduit

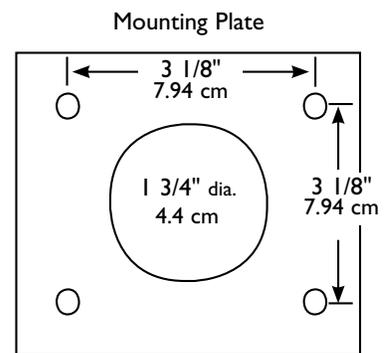
5. FT or WT optical systems only. Supplied standard on MT optical systems.

6. Rear entry permitted.

### DIMENSIONS



Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 5/16" (.79cm) diameter bolts (by others) structurally to the wall.



Mounting Bolt Pattern



## I21 LED Performance Sconce Constant Wattage - Full Light Output

### SPECIFICATIONS

**GENERAL:** Each Philips Gardco I21 luminaire is a wall mounted cutoff luminaire with integrated lensed LEDs mounted in a fixed array. Internal components are totally enclosed in a rain-tight, dust-tight and corrosion resistant housing. The housing, back plate and door frame are die cast aluminum. A choice of three (3) optical systems is available. Luminaires are suitable for wet locations, mounted in the normal downlight position.

**HOUSING:** The single-piece stylized housing is die cast aluminum. A memory retentive gasket seals the housing with the door frame to exclude moisture, dust, insects and pollutants from the luminaire. A black, die cast ribbed backplate is included.

**DOOR FRAME:** A single-piece die cast aluminum door frame integrates to the housing form. The door frame is hinged closed and secured to the housing with two (2) captive stainless steel fasteners.

**OPTICAL SYSTEMS:** LED arrays are set to achieve the wide throw or forward throw distributions. LED are combined with a diffusing lens to produce the medium throw distribution. Luminaires ordered with medium throw optics include a diffusing lens standard.

**ELECTRICAL:** Luminaires are equipped with an LED driver that accepts 120V through 277V, 50hz to 60hz, input. Driver output is either 350 mA or 500 mA, based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 302°F/150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. Power factor is not less than 90%. Luminaires consume 0.0 watts in the off state.

**LED THERMAL MANAGEMENT:** The I21 design provides deep integral thermal radiation fins cast into the upper housing to assist in the thermal management so critical to long LED system life. Metallic screens are placed over the fins and integrated to the housing to prevent the buildup of dust, dirt and contaminants, while permitting required air flow for cooling.

### LED PERFORMANCE:

PREDICTED LUMEN DEPRECIATION DATA <sup>7</sup>		
Ambient Temperature °C	LED Wattage / Driver mA	L <sub>70</sub> Hours <sup>8</sup>
25 °C	35LA / 364	150,000
	50LA / 460	100,000
40 °C	35LA / 364	130,000
	50LA / 460	75,000

7. 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.

8. L<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output.

**FULL CUTOFF PERFORMANCE:** Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

**CUTOFF PERFORMANCE:** Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

1611 Clovis Barker Road, San Marcos, TX 78666  
(800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 [sitelighting.com](http://sitelighting.com)

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Philips Gardco reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

G200-006/0311

**PHILIPS**





## FEATURES & SPECIFICATIONS

**INTENDED USE** — For building- and wall-mounted applications.

**CONSTRUCTION** — Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

**FINISH** — Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish, with other architectural colors available.

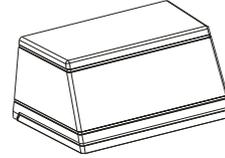
**OPTICAL SYSTEM** — Hydroformed reflector for superior uniformity and control. Medium throw (MD) full cutoff distribution only.

**ELECTRICAL SYSTEM** — HID utilizes a high-reactance, high-power factor ballast. Ballasts are 100% factory tested. Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. Compact fluorescent utilizes an electronic, high frequency ballast. Compact fluorescent socket is four-pin positive latching thermoplastic. UL Listed. Quick-disconnect plug easily disconnects reflector from ballast and fixture from supply wires.

**INSTALLATION** — Easily installed using provided mounting strap. Mount to any non-combustible vertical surface or to a 4" round or square outlet box. Back access through slotted gasket.

**LISTING** — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 rated. Wet location listed.

Catalog Number	
Notes	Type



Decorative Wall-Mounted Lighting

# WSTM

Fixture D

**METAL HALIDE**

50W-70W

**HIGH PRESSURE SODIUM**

35W-70W

**COMPACT FLUORESCENT**

26DTT, 26-42TRT

Standard dimensions - WSTM

Length: 12.50"(31.75 cm)

Depth: 7.50"(19.05 cm)

Height: 5.75"(14.60 cm)

Weight: 14.00lbs (6.35 kg)

All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WSTM 70M MD 120 DNAT LPI

WSTM	MD	Voltage	Options	Lamp <sup>13</sup>
Series	Distribution			
<b>WSTM</b>	<b>MD Medium throw</b>	<b>120</b>	<b>Shipped installed in fixture</b>	<b>LPI Lamp included</b>
		208 <sup>2</sup>	SF Single fuse (120, 277, 347V) <sup>5</sup>	L/LP Less lamp
Wattage/source		240 <sup>2</sup>	DF Double fuse (208, 240V) <sup>5</sup>	
<u>Metal halide</u>		<b>277</b>	EC Emergency circuit (incandescent, 25W max.) <sup>6,7</sup>	
<b>50M</b>		<b>347</b>	GMF Internal slow-blow fusing <sup>5,8</sup>	
<b>70M</b>		<b>TB</b>	DC12 Emergency circuit 12 volt (20W or 35W) <sup>6,7,9</sup>	
<u>High pressure sodium</u>		<b>MVOLT<sup>3,4</sup></b>	DC2012 Emergency circuit 12 volt (20W lamp included) <sup>6,7,9</sup>	
35S <sup>1</sup>			QRS Quartz restrike system (75W max.) <sup>7,11</sup>	
50S			CR Enhanced corrosion resistance	
70S			CRT Non-stick protective coating <sup>10</sup>	
<u>Compact fluorescent</u>			PE Photoelectric cell-button type <sup>5,11</sup>	
26DTT			DFL Diffusing lens	
26TRT			<b>CSA CSA Certified</b>	
<b>32TRT</b>			NOM NOM Certified	
<b>42TRT</b>				
			<b>Shipped separately</b>	
			WSUT5 Uptilt 5 degrees	
			WSTMWG Wire guard <sup>11</sup>	
			<u>Architectural colors<sup>12</sup></u>	
			<u>Standard textured colors</u>	
			(blank) <b>Dark bronze textured</b>	
			DSST Sandstone	
			<b>DNAT Natural aluminum</b>	
			<b>DWHG White</b>	
			<b>DBLB Black</b>	
			<u>Optional textured colors</u>	
			DBNH Bronze	
			DSPD Dark gray	
			DSPJ Light gray	
			DSPE Green	
			DSPG Dark red	
			DSPF Rust	
			DSPH Red	
			<u>Striping</u>	
			SDDB Dark bronze	
			SDWH White	
			SDBL Black	
			SDNA Natural aluminum	
			SDSS Sandstone	
			SDTG Tennis green	
			SDBR Bright red	
			SDBUA Dark blue	
			SDGYM Gray	
			SDYLB Yellow	

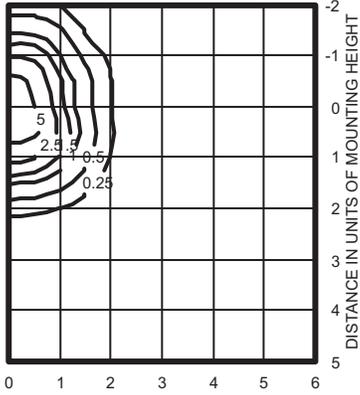
NOTES:

- 120V only.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V); (120/347V in Canada).
- Multi-volt electronic ballast (compact fluorescent lamps) capable of operating any line voltage between 120V and 277V.
- Must specify voltage. Not available with MVOLT or TB.
- Maximum wattage lamp included.
- Available for HID sources only.
- Available for compact fluorescent only.
- Not available with SF or DF.
- Black finish only.
- Must be ordered with fixture; can not be field installed.
- Additional architectural colors available; see www.lithonia.com for more information.
- Must be specified.

# WSTM Metal Halide, High Pressure Sodium, Compact Fluorescent Building Mounted

## WSTM 70S MD (COATED LAMP) TEST NO: LTL15242

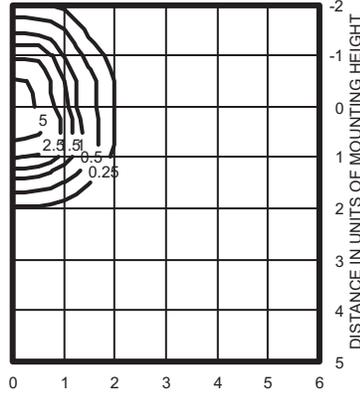
ISOILLUMINANCE PLOT (Footcandle)



70W lamp, horizontal lamp orientation  
Footcandle values based on 12'  
mounting height, 5950 rated lumens.  
Luminaire Efficiency: 65.9%

## WSTM 70M MD (COATED LAMP) TEST NO: LTL15245

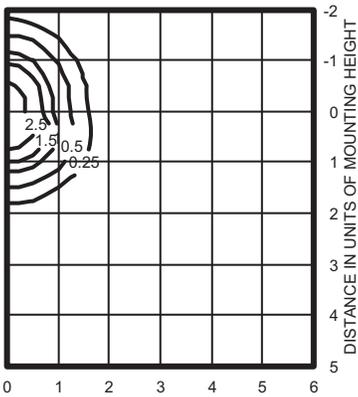
ISOILLUMINANCE PLOT (Footcandle)



70W lamp, horizontal lamp orientation  
Footcandle values based on 12'  
mounting height, 5800 rated lumens.  
Luminaire Efficiency: 60.7%

## WSTM 42TRT MD TEST NO: LTL15247

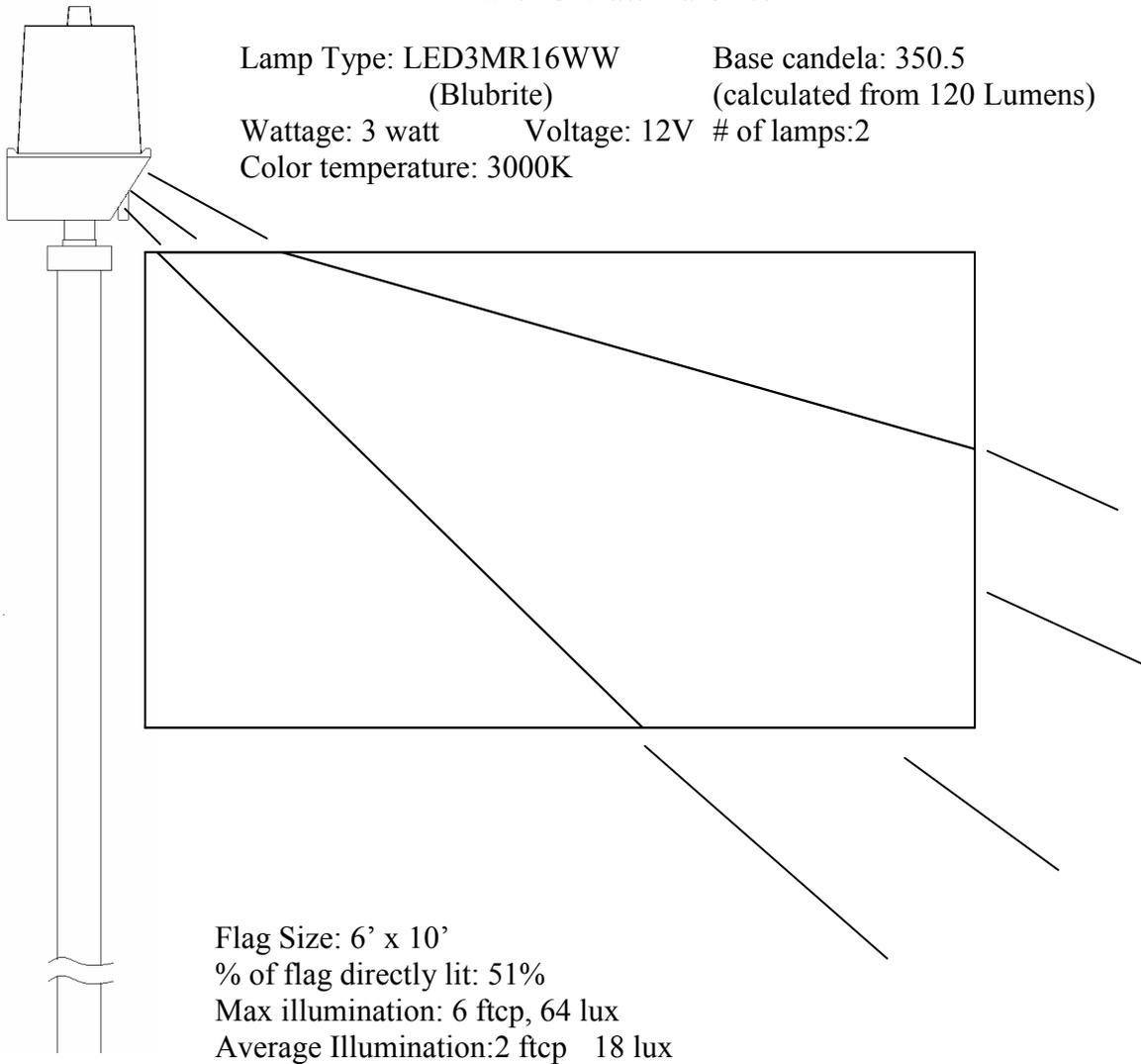
ISOILLUMINANCE PLOT (Footcandle)



42W lamp, horizontal lamp orientation  
Footcandle values based on 12'  
mounting height, 3200 rated lumens.  
Luminaire Efficiency: 55.2%

# Fixture E

## Photometric Report for 8" Internal Halyard Flagpole Beacon With 3 watt Bulbrite LED



Distance to ground: 35'      area illuminated: 13,000 ft<sup>2</sup>

Average Illumination: >.01 ftcp >.1 lux

Not a specification or standard actual results may vary

# FEATURES

## OPTICAL SYSTEM

- Self-flanged, semi-specular or matte-diffuse lower reflector in combination with highly reflective/diffuse upper reflector provides unparalleled performance and efficiency. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides source before source image and smooth transition from top of the reflector to bottom.

## MECHANICAL SYSTEM

- Housing accommodates a maximum 1-1/2" ceiling thickness.
- Light engine and driver are accessible from above or below ceiling and can be upgraded to accommodate future technology improvements.
- 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post installation adjustment possible without the use of tools from above or below ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2"-3/4" and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4in, 4out) No. 12 AWG conductors rated for 90°C.
- Secondary housing adjustment system for precise, final ceiling to flange alignment.

## ELECTRICAL SYSTEM

- Solid state LED light engine available in 3500° or 4100°K color temperatures.
- Class P, thermally protected solid state dimming driver.
- Rated system life of 50,000 hours at 70% output.
- Thermally activated insulation detector.
- Emergency battery pack and SIMPLY5™ energy management system available.
- Luminaire should be installed in applications where ambient temperatures do not exceed 50°C. Ambient temperatures that exceed 50°C will result in reduced lamp life and will void warranty.

## LISTING

- Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

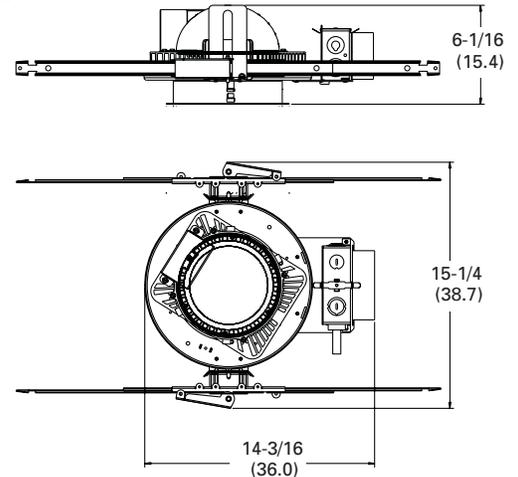
Type Catalog number



LED Downlights

# 6" ECSR

Ecoss™  
Open Reflector



Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap Trim: 7-1/2 (19.1)

Minimum of 9" required above fixture for non-accessible ceilings.

All dimensions are inches (centimeters)

# ORDERING INFORMATION

Example: **ECSR 35/14 6AR LD 120**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

## ECSR

Series	Color temperature	Nominal lumen output	Aperture	Trim color	Finish	Voltage	Driver	Options
<b>ECSR</b>	<b>35/</b> 3500°K <b>41/</b> 4100°K	<b>14</b> 1400 lms	<b>6</b>	<b>AR</b> Clear <b>PR</b> Pewter <b>UBR</b> Umber <b>WTR</b> Wheat <b>GR</b> Gold <b>MB</b> <sup>1</sup> Black baffle <b>WR</b> <sup>1</sup> White painted <b>WB</b> <sup>1</sup> White baffle	(blank) Semi-specular <b>LD</b> Matte-diffuse	<b>120</b> <b>277</b> <b>347</b> <sup>2</sup>	(blank) Sylvania 0-10V dimming ballast <b>S5</b> <sup>3,4</sup> SIMPLY5™ energy management system <b>S5 HW</b> <sup>4</sup> SIMPLY5™ energy management system less Reloc	<b>SF</b> Single fuse <b>EL</b> <sup>5</sup> Emergency battery pack with integral test switch <b>ELR</b> <sup>5</sup> Emergency battery pack with remote test switch <b>TRW</b> White painted flange <b>TRBL</b> Black painted flange <b>LRC</b> <sup>6</sup> Provides compatibility with Lithonia Reloc® System. Access above ceiling required <b>CP</b> Chicago Plenum approved <b>MFLG</b> Microflange™ trim

## NOTES

1. Not available with finishes. TRW standard.
2. Height of fixture increases 3".
3. SIMPLY5™ includes 9" S5 MLC Reloc wiring system (shipped separately). See simply5.net for more information.
4. Available in 120V or 277V only.
5. For dimensional changes, refer to Technical Bulletins tab.
6. For compatible Reloc systems, refer to Technical Bulletins tab.

# 6" ECSR Ecos™ Open Reflector

Distribution Curve

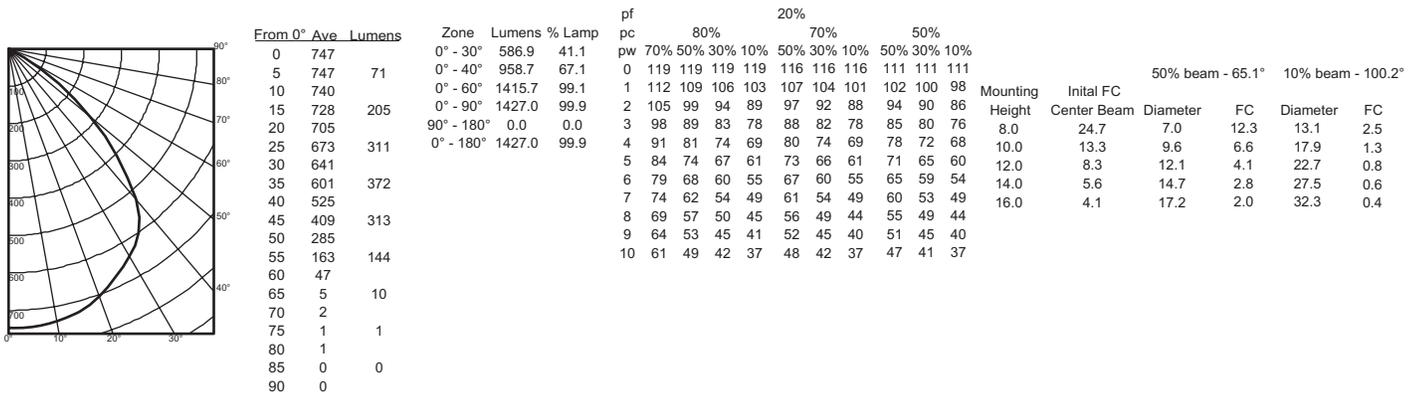
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30"  
Above Floor for a Single Luminaire

ECSR6 35/14 6AR, 38W LED, 1427 delivered lumens, 1.3 s/mh, Input watts: 37.8, Test no. LTL16941



Photometric performance is measured in accordance with IESNA LM-79.

For expanded options and updated photometric information, please visit [www.gothamlighting.com](http://www.gothamlighting.com) or contact the factory directly.

This product is protected by one or more of the following patents that are licensed from Renaissance Lighting, Inc.: 7,148,470.

Gotham patents pending.

**NOTES:**

1. For electrical characteristics, refer to Technical Bulletins tab.
2. Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.
3. Consult factory or IES file for microgroove baffle, black cone and other photometric reports.

**DLED-210**

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Rev 2/10



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