



CUSTOMER NAME _____
PROJECT NAME _____
DATE _____ TYPE _____
CATALOG NUMBER _____

EG2R

LED Garage Light

The Evolve® LED Garage Light (EG2R) fixture features an advanced LED optic specifically designed for applications such as parking decks with low mounting heights to provide high uniformity and excellent vertical light distribution with reduced glare, illuminating your parking area with effective security light levels.

Construction

Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Gray, White (RAL & custom colors available)
Weight:	8 - 10 lbs.

Optical System

Lumens:	5,000 lms
Distribution:	Symmetric Medium
CCT:	3000K & 5000K
CRI (Min):	≥70

Electrical

Input Voltage:	120-277V
Input Frequency:	50/60Hz
Power Factor(PH):	> 90 at rated watts
Total Harmonic Distortion (THD):	≤ 20% at rated watts

Surge Protection

TYPICAL (120 STRIKES)
6kV/3kA*

*Per ANSI C136.2-2015

Lumen Maintenance

Projected Lxx per IES TM-21 at 25°C

LUMEN CODES	LXX(10K) @ HOURS		
	25,000 HR	50,000 HR	60,000 HR
A5	L95	L93	L92

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Ambient Temperature Factor

AMBIENT TEMP (°C)	INITIAL FLUX FACTOR	AMBIENT TEMP (°C)	INITIAL FLUX FACTOR
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00		

Ratings

Operating Temperature:	-40° C to 40° C
Vibration:	1G per Per ANSI C136.31-2010:
LM-79:	Testing in accordance with IESNA Standards
Location:	Mounting Arm 01 and 02 UL suitable for damp locations. All other mounting arms UL suitable for wet locations.

Controls

Dimming:	Standard - 0-10V Optional - DALI (Option U)
Sensors:	Photo Electric Sensors (PE) available LightGrid+™ and Daintree Compatible

Warranty

5 Year (Standard)

Not all product variations listed on the page are DLC qualified.
To ensure that a specific model is qualified, visit www.designlights.org/search.



LISTED

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Ordering Information

EG2R

0

A5

P

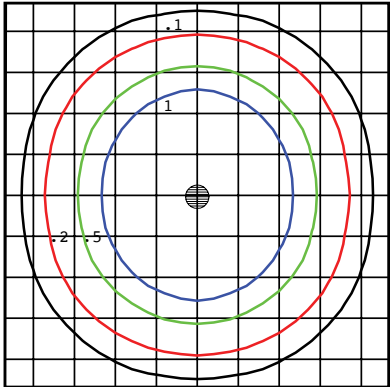
S

PROD. ID	VOLTAGE	OPTIC CODE	LENS TYPE	DRIVE CURRENT	CCT	MOUNTING ARM	COLOR	OPTIONS
E = Evolve	0 = 120-277V	A5 = 5040 lm	P = Prismatic Polycarbonate Lens	S = Standard	40 = 4000K	01 = Primary Electric Disconnect with MPM-C¹	GRAY = Gray	D = Dimming²
G = Garage					50 = 5000K	02 = Primary Electric Disconnect with MPM-3PR¹	WHITE = White	H = Motion Sensor
2R = Housing Round					04 = Primary Electric Disconnect with MPM-3PRW³			
					05 = Primary Electric Disconnect with MPM-3PRTFW³			
					06 = Primary Electric Disconnect with MPM-WW³			
					11 = 3/4" Rigid Pendant Mount³			
		20 = Surface Mounting with Slide On Wiring Box³						

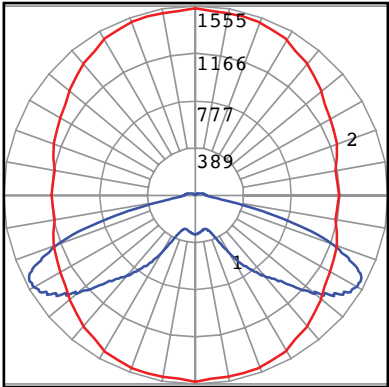
¹ Select for Damp Location Rated
² D option required for External Dimming (option H not needed with option D)
³ Choose this mounting for wet location rated

Optical Code	Dist Code	4000K	5000K	Typical System Wattage 120-277V	IES File Number	
					4000K	5000K
TA5	SM	5040	5040	56	ECLS01_T5SM740_120-277V	ECLS01_T5SM750_120-277V

EG2R
Type V – Symmetric (A5)
5,040 Lumens
5000K
EG2R_A5PS50_-120-277V.IES



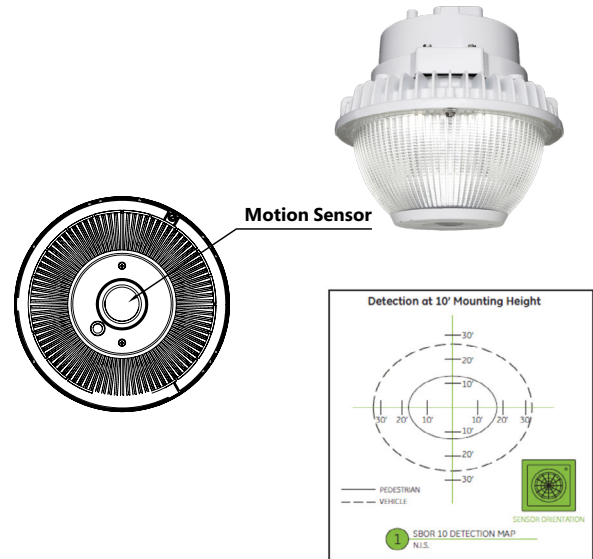
- Mounting Height at 10' Initial
- Footcandle at Grade



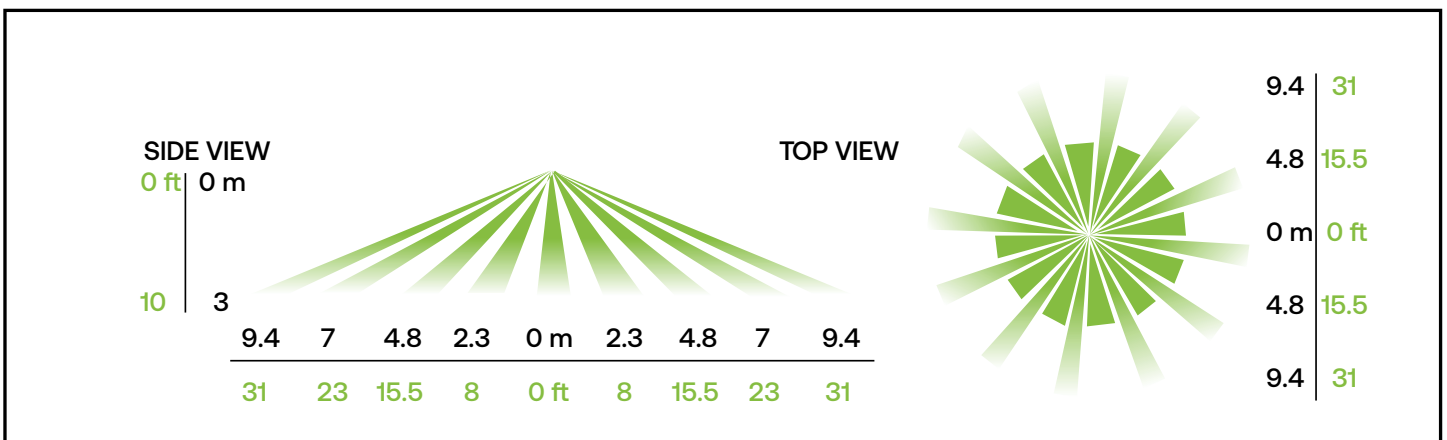
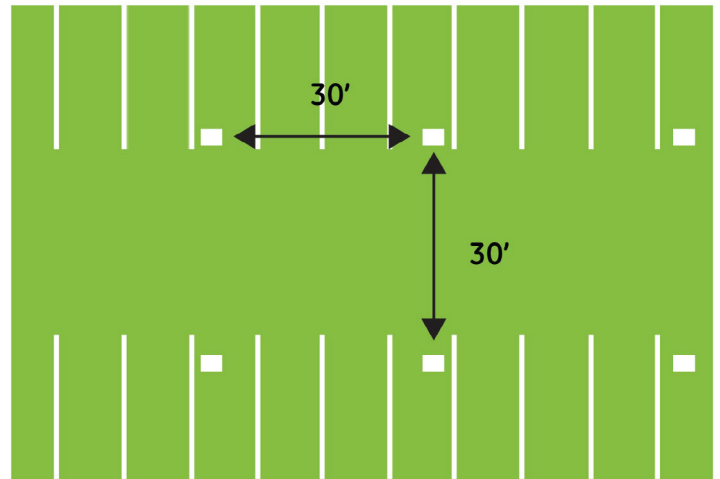
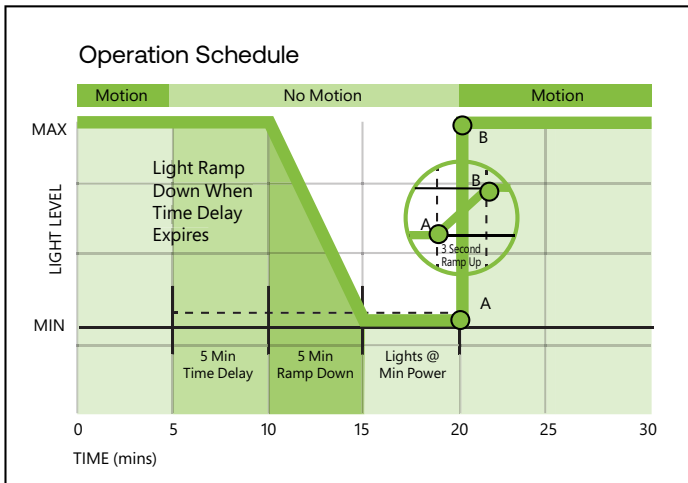
- Vertical plane through horizontal angle of maximum candlepower at 90°
- Horizontal cone through vertical angle of maximum candlepower at 62.5°

H Motion Sensing Option

- Recommended for lower mounting heights between 8-15 ft, this sensor provides excellent pedestrian coverage of greater than 2x the mounting height.
- In a garage application, 360° of coverage is achievable, allowing the sensor detection to closely match the lighting distribution of a typical garage.
- Comes standard with 50% dimmed light output with no occupancy, and full power at occupancy.
- Comes standard with a 5 minute occupancy time delay and a 5 minute ramp-down to the 50% dimmed level.
- Standard options may be reprogrammed in the field. Contact manufacturer for reprogramming instructions.



In a typical parking garage application with a mounting height of 10 ft., the sensor's coverage for walking motion extends out (30 ft.).



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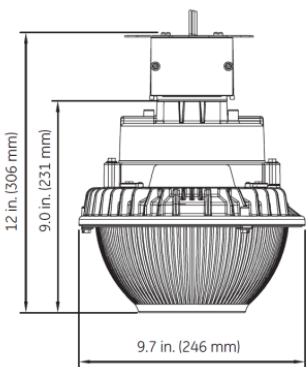
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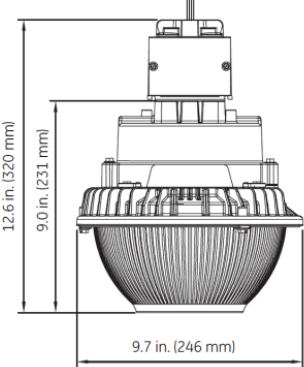
Mounting Option Code: 01, 20

Primary Electric Disconnect w/ MPM-c (01)
Surface Mounting w/ Slide On Wiring Box (20)



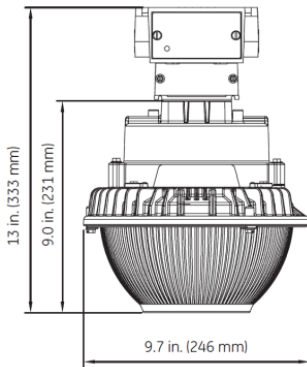
Mounting Option Code: 02, 04

Primary Electric Disconnect w/ MPM-3PR (02)
Primary Electric Disconnect with MPM-3PRW (04)



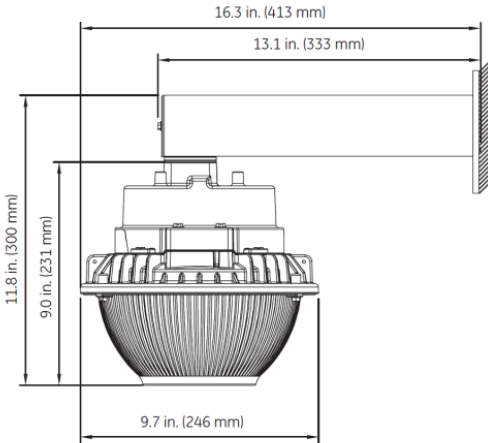
Mounting Option Code: 05

Primary Electric Disconnect w/ MPM-3PRTFW (05)



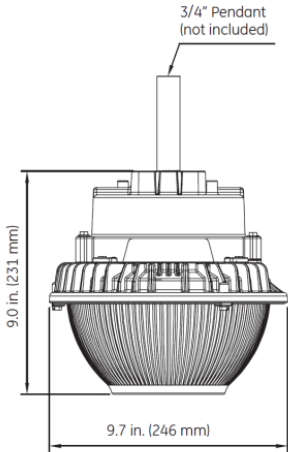
Mounting Option Code: 06

Primary Electric Disconnect w/ MPM-WW (06)



Mounting Option Code: 11

3/4" Rigid Pendant (standard) (11)



Mounting

- 01 = Primary Electric Disconnect with MPM-C1
- 02 = Primary Electric Disconnect with MPM-3PR1
- 04 = Primary Electric Disconnect with MPM-3PRW
- 05 = Primary Electric Disconnect with MPM-3PRTFW
- 06 = Primary Electric Disconnect with MPM-WW
- 11 = 3/4" Rigid Pendant Mount
- 20 = Surface Mounting with Slide On Wiring Box

Motion Sensor

SAP NUMBER	PART NUMBER	DESCRIPTION
Add Part #	Add Part #	Sensor Switch SBOR