

# EES-VGS40Q LED Garage Square



Project Name:	<b>Project Information</b>	Fixture Type:
Complete Catalog #:		Date:
Comments:		

The EnviroLux EES-VGS40Q garage square luminaire with optional integral sensor is available in three wattages with an optical distribution designed to replace HID lighting systems up to 175w MH or HPS. Typical parking garage applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

## SPECIFICATIONS AND FEATURES:

### HOUSING:

Die Cast Aluminum Housing, 1/2" Coin Plugs with O-rings for Conduit or External Sensor. Built-in Sensor Housing with Color-Matched UV-Stabilized Polycarbonate Cover.

### LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750. IP66 Sealed LED Compartment.

### FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

### LENS:

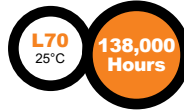
Molded UV-Stabilized Polycarbonate Lens Optically Designed for Garage Lighting Applications.

### MOUNTING OPTIONS:

Surface Mount Model (NM) Includes Easy-Hang Bracket Allowing One-Person Installation, Fits Standard 4" Electrical Box. Adjustable Height Trunnion (T) and Pendant (PA) Models are Shipped Ready For Field Installation of the Mount. Mounts are Shipped in a Separate Carton.

### LED:

High Bin with Aluminum Boards



### WATTAGE:

40w Array: 37w, System: 40w;(Up to 100w HID Equivalent) 60w Array: 53w, System: 60w;(Up to 175w HID Equivalent) 84w Array: 74w, System: 84w;(Up to 175w HID Equivalent)

### DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

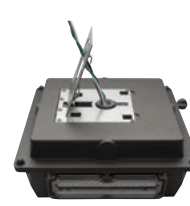
### CONTROLS:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

### WARRANTY:

7-Year Warranty for -40°C to +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.



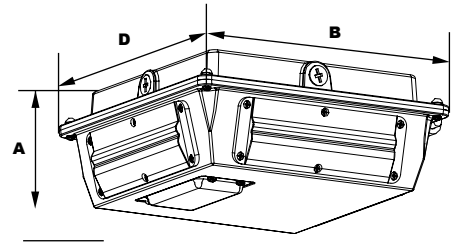
Easy Hang Mount (NM)



Trunnion (T)



Pendant (P)



### Dimensions

<b>Width (D)</b>	11" (280mm)
<b>Length (B)</b>	11" (280mm)
<b>Height 1 (A)</b>	4 1/2" (117mm)
<b>Height with Bracket (A)</b>	5" (125mm)

Complete Units  
Ordering Information  
Example: EES-VGS40QF1X84U4KZPAS2

## EES-VGS40Q LED Garage Square

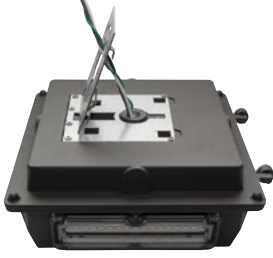
EES-VGS40		F		4K			
Model	Optics	Wattage	Driver	CCT	Color	Mounting	Options
EES-VGS40Q	F=Type VS	1X40=40w 1X60=60w 1X84=84w	U=120-277V H=347-480V	AMBER=AMBER 27K=2700K 3K=3000K 35K=3500K 4K=4000K 5K=5000K	Z=Bronze C=Custom (Consult Factory)		
						NM=Easy-Hang Bracket Only T=Trunnion* PA=Pendant*	
						*Mounting Shipped Separately	
<p>SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection S2=Microwave Sensor with Dimming for Mounting Heights of 8 to 40' (120-277V Only) S4=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. (120-277V Only) BU=Battery Backup, 90 Minutes</p>							



# EES-VGS40Q DuraLED Garage Square



## ADDITIONAL MOUNTING OPTIONS



**EES-VGS40Q with Easy-Hang Bracket (NM)**  
Stamped Steel 2-Piece Bracket Allows One-Person Installation. Mounts Directly to Standard 4" Electrical Box



**EES-VGS40Q with Adjustable Trunnion Mount (T)**  
Stamped Steel Height Adjustable Trunnion, Powdercoat Finish, Includes Hardware



**EES-VGS40Q with Pendant Mount (PA)**  
Includes Top and Bottom Covers, Brackets, and 3/4" Diameter, 15" Long Downrod, Powdercoat Finish, Includes Hardware.

## ACCESSORIES & REPLACEMENT PARTS:



P17117



P17123

### Replacement Parts (Order Separately, Field Installed)

P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.

## PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	4000 CCT 80 CRI				
				Lumens	LPW	B	U	G
LED 37w	350	40	Type V	7,437	201	2	4	3
LED 53w	500	60		10,653	201	3	5	3
LED 74w	700	84		14,208	192	3	5	4

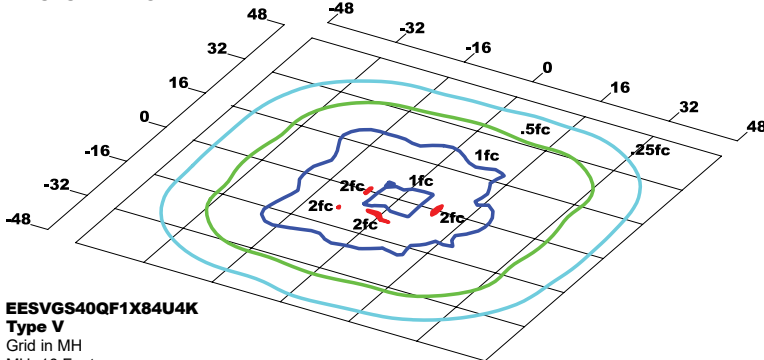
## PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
Lumen Maintenance L70 @ 25°C / 77°F	All wattages up to and including 84w	1.00	0.95	0.89	0.78	138,000
Lumen Maintenance L70 @ 50°C / 122°F		1.00	0.86	0.72	0.43	53,000
Lumen Maintenance L80 @ 40°C / 104°F		1.00	0.92	0.84	0.68	62,000

### NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 500mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

## PHOTOMETRIC DATA



**EESVGS40QF1X84U4K**  
Type V  
Grid in MH  
MH=16 Feet