Stonco

by signify

Site & Area

Garage and Canopy Dualselect

60W and 90W

Stonco Garage and Canopy DualSelect LED luminaire is exactly what you need when searching for durable, cost-effective lighting for parking garages, covered walkways and outdoor canopies. Compact and efficient, it has durable, weather tight construction and a rugged, UV-stabilized lens.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

Example: GC60-SCT-G2-SM-5-10-BZ

Luminaire	LED Color	Generation	Mounting	Distribution	Voltage	Finish
	SCT	G2	SM	5	10	BZ
GC60 Garage & Canopy LED 28W-40W-60W **GC90** Garage & Canopy LED 70W-80W-90W	**SCT** Selectable 3000K,4000K & 5000K, 70CRI	**G2** Generation 2	**SM** Surface Mount	**5** Type 5 Symmetric	**10** 120-347V	**BZ** Bronze

LED Wattage and Lumen Values

Ordering Codes	Total LEDs	System Current (mA)	Color Temp.(K)	Average System Wattage[1]	Lumen Output[1,2] (lm)	Efficacy (LPW)	Weight (kg)
GC60-SCT-G2-SM-5-10-BZ	168	230 @ 120V 330 @ 120V 500 @ 120V	3000/4000/5000 3000/4000/5000 3000/4000/5000	28 40 60	4100/4250/4250 5600/6000/5900 7550/8350/7900	145/150/150 140/150/145 125/140/130	2
GC90-SCT-G2-SM-5-10-BZ	280	583 @ 120V 667 @ 120V 750 @ 120V	3000/4000/5000 3000/4000/5000 3000/4000/5000	70 80 90	9800/10500/10350 10800/11700/11400 11700/12850/12400	140/150/145 135/145/140 125/140/130	4.3

1. Wattage and lumen output may vary by +/-8% due to LED manufacturer forward volt specification and ambient temperature.
2. Lumen values based on photometric tests performed in compliance with IESNA LM-79.

Predicted Lumen Depreciation Data

Ordering Codes	Ambient Temperature °C	LED Current mA	Driver Output Current mA	L_{70} per TM21[1,2]	Lumen Maintenance @ 60,000hrs
GC60-SCT-G2-SM-5-10-BZ	25°C	104	1300	>60,000 hrs	85.8%
GC90-SCT-G2-SM-5-10-BZ	25°C	100	2000	>60,000 hrs	85.8%

1. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
2. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

Accessories (order separately)

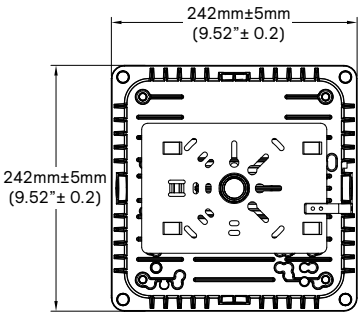
Ordering Code	Description
GC60/90-MH10	Garage & Canopy DualSelect Controller

Remote Controller

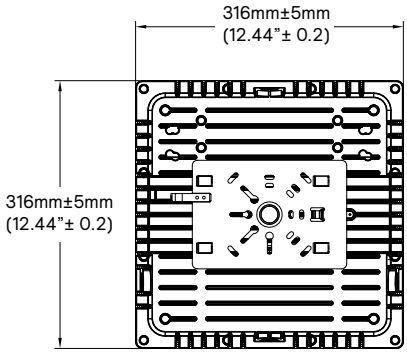
GC LED Garage & Canopy DualSelect Luminaire

60W and 90W

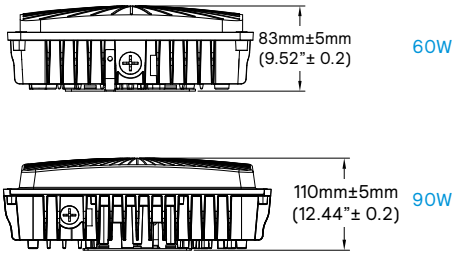
Dimensions



60W



90W



Approximate Luminaire Weight

60W: 5.29lb (2.4kg)
90W: 9.92lb (4.5kg)

Specifications

Housing and Heat Sink

Single piece die cast Aluminum alloy. Housing also acts as a heat sink, designed to ensure high efficacy and superior cooling by natural convection. Air flow pattern always close to LEDs and driver optimizing their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling).

Mounting

Die formed steel plate is supplied for mounting to a recessed or surfacemounted 4” (10.16 cm) junction box (by others) – flush ceiling mount to a recessed junction box, or direct mount to a surface-mounted junction box. Integral hanger on the plate supports the luminaire during wiring. Single screw secures luminaire for quick and easy installation.

Lens

UV stabilized polycarbonate lens with extruded silicone gasket surrounding the entire perimeter of the LED light engine and electronics compartment providing an IP65 seal. Lens secured with tamper-resistant screws.

Light Engine

Composed of 3 main components: LED Module / Optical System / Driver. Electrical components are RoHS compliant.

LED Module

Selectable Color temperature: 3000K, 4000K and 5000K. CRI 70.

Type V symmetric distribution, optimized for target lumens and a superior lighting uniformity.

Driver

120-347V electronic driver, operating range 50/60Hz, Class 2.

Other Integrated Features

Surge Protection: Each luminaire is provided as standard with 4kV surge protection.

Integrated Motion and Daylight Sensor

Equipped with an integrated Motion and Daylight Sensor, controlled by a remote hand-held programming device (GC60/90-MH10) not included in the fixture. Information in Page 3.

Sensor Default Setting:

60W
Hold-on time: 5 min, Dimming level 50%, Stand-by time: 5min, 150lux (active motion sensing), Daylight priority, 100% detection area.

90W
Hold-on time: 5 min, Dimming level 50%, Stand-by time: 5min, 150lux (active motion sensing), Daylight priority, 75% detection area.

Hardware

All exposed screws shall be stainless and/or corrosion resistant and captive. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish

Fade and abrasion resistant, electrostatically applied, powdercoat textured bronze finish.

LED Products Manufacturing Standard

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with EC61340-5-1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Certifications and Compliance

cULus Listed for Canada and USA. DesignLights Consortium qualified. Entire luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

IP65 Rating

Entire luminaire including light engine and driver/ electrical compartment IP65 rated.

Limited Warranty

5-year limited warranty. See signify.com/warranties for details and restrictions. Visit our eCatalog or contact your local sales representative for more information.

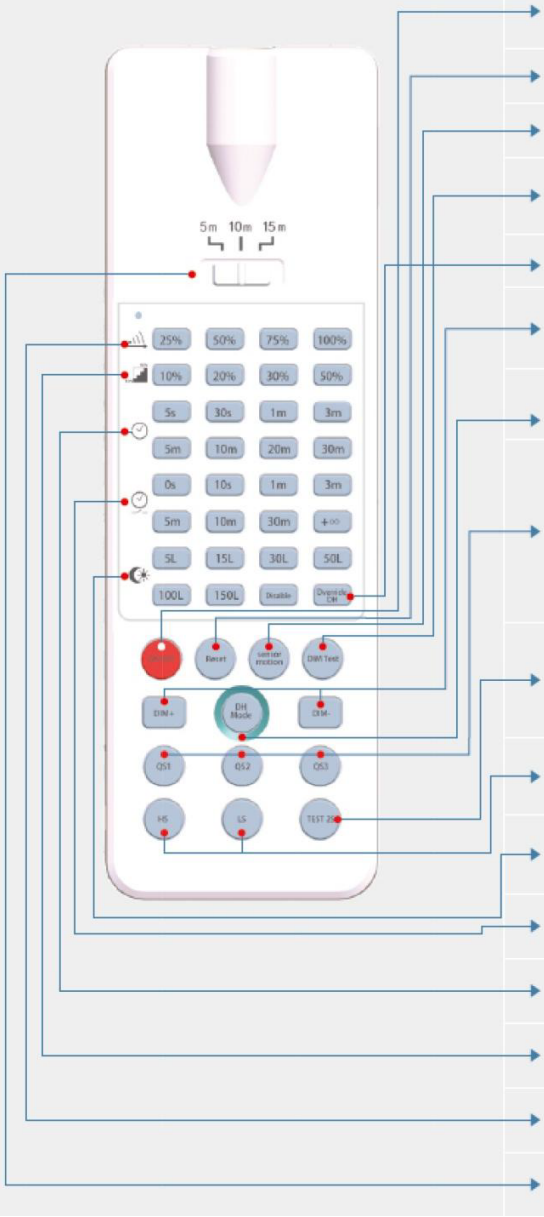
Optical System

Stonco KEENE by signify

Garage & Canopy

GC60/90-MH10
MH10 hand-held wireless

Remote Control

Remote Control Setting	Button	Remarks
		
		Press the “ON/OFF” button, the light goes to constant on/off mode, sensor is disabled, Press “Reset” “Auto mode” button to quit from this mode and the sensor starts to work.
	Reset	Press the “Reset” button, all parameters are same as setting of DIP switch or factory settings.
	Sensor motion	Press the “Sensor motion” button, the light quits from the constant on/off mode, and the sensor starts to work (The latest setting stays in validity)
	DIM Test	Press the “Dim Test” button, the 1-10V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically.
	Dverride DH	Long press 3s, Daylight priority mode will be switched to daylight threshold mode, lux value will go back to previous one.
	DIM+ DIM-	Short press “DIM+/DIM-” button to Set the output lumen level, each press will ±2% light level
	DH Mode	Long press >3s, sensor will be switched to daylight priority mode; if preset daylight value is Disable, press DH Mode can not start daylight priority mode.
	Q1 Q2 Q3	<table><tr><th>Spec Options</th><th>Detection Area</th><th>Hold Time</th><th>Stand-by period</th><th>Stand-by dim level</th><th>Daylight Sensor</th><th>Induction model</th></tr><tr><td>QS1</td><td>100%</td><td>5min</td><td>10min</td><td>10%</td><td>30Lux</td><td>Hs</td></tr><tr><td>QS2</td><td>100%</td><td>10min</td><td>30min</td><td>10%</td><td>Disable</td><td>Hs</td></tr><tr><td>QS3</td><td>100%</td><td>20min</td><td>30min</td><td>10%</td><td>Disable</td><td>Hs</td></tr></table> Note: Detection area / Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.
	TEST 2S	Press the “TEST 2S” bottom can enter the test mode any time. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 5s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing “RESET” or any other function buttons.
	HS LS	Press “HS” button to set the detection area to be high sensitive. Press “LS” button to set the detection area to be low sensitive. The adjustment bases on the “Detection Area” parameter you set.
		Daylight Sensor Set up daylight threshold: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/Disable
		Stand-by period Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞
		Hold time Set up hold time: 5S/30S/1min/3min/5min/10min/20min/30min
		Stand-by dim level Set up stand-by dim level: 10%/20%/30%/50%
		Detection Area Set up detection area: 25%/50%/75%/100%
		Remote Distance Toggle button can set the remote distance of remote control and sensor.

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