

# LED Uplight Parking Garage Canopy Series

Wattages: 28W, 42W, 56W, 70W



LED Uplight Parking Garage Canopy Lighting series can be widely used in indoor or outdoor lighting (wet location), like parking garages, mechanical or electronic processing workshops, storage warehouses, steel mills, gas stations, toll booth, waiting rooms, the platforms of railway station, indoor stadiums and lower cultivating tents etc.

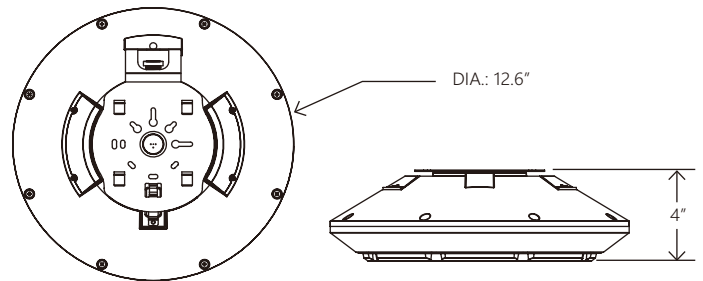
Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.



## FEATURES

- LED high luminous efficiency and long working life.
- High efficiency LED Driver, the wide range input voltage AC120-277V.
- Die-cast aluminum cooling design, high quality and better cooling for LED  $T_j < 85^{\circ}\text{C}$ .
- Excellent optics design, greatly improve the light utilization and evenness.
- Photocell, motion sensor control available (Optional)
- The 1-10V Dimming type is continuous

## DIMENSION



## SPECIFICATION

TYPE	WSD-UPGC2842567W27-45K							
	28W		42W		56W		70W	
WATTAGE								
CCT	4000K	5000K	4000K	5000K	4000K	5000K	4000K	5000K
LUMEN	4326 lm	4246 lm	5818 lm	5713 lm	7321 lm	7137 lm	9080 lm	8790 lm
EFFICACY	>140 lm/W							
UPLIGHT (%)	11.4%							
CRI	70							
INPUT VOLTAGE	AC120-277V							
BEAM ANGLE	156°							
POWER FACTOR	0.90							
DRIVER EFFICACY	90%							
FACTORY SETTINGS	70W & 4000K							
LIFE SPAN	over 50,000 hrs							
WORKING TEMPERATURE	-22°F ~ 113°F							
STORAGE TEMPERATURE	-40°F ~ 176°F							
OUTDOOR RATING	Wet location							
CABLE	3 core, 18AWG (0.3m)							
WARRANTY	5 year limited							

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Motion sensor ready

Optical lens is made of high quality PC material to make the light even and soft.

Top tier LEDs are driven well below recommended safety limits, on both drive current and junction temperature, to keep components cool – maintaining the life of the LED, allowing for a compact and efficient heat sink design.

The uplight contains a certain proportion of upward light to satisfy the visual effect.

High performance, die cast heat sink transfers heat from the light engine to the environment, via large cooling fins, drawing heat away from the fixture, and extending the lifespan of the LEDs.

**WATT/CCT  
SELECTABLE**

POWER:28W/42W/56W/70W  
CCT:4000K/5000K

## EMERGENCY BACK-UP (SOLD SEPARATELY)



**WSD-EMS8W27-XX**  
8W Emergency Backup Battery LED Driver

**WSD-EMS15W27-XX**  
15W Emergency Backup Battery LED Driver

**WSD-EMS20W27-XX**  
20W Emergency Backup Battery LED Driver

## CONTROL (SOLD SEPARATELY)



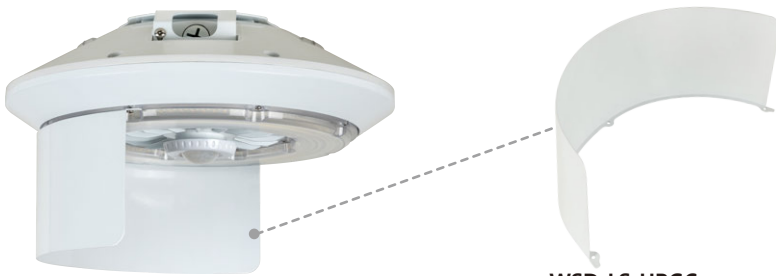
**Bluetooth**

**BRI823-B-D-BLE-SR**  
Bluetooth Microwave Motion Sensor

**BRI823-B-D**  
Microwave Motion Sensor

**RC100**  
Remote Controller

## ACCESSORIES (SOLD SEPARATELY)



**WSD-LS-UPGC**  
Lens Shade

## ORDERING INFORMATION

EXAMPLE:

**WSD-UPGC2842567W27-45K-Z[D, W, B, S]-Y[BLANK, PJ]-E[BLANK, M]**

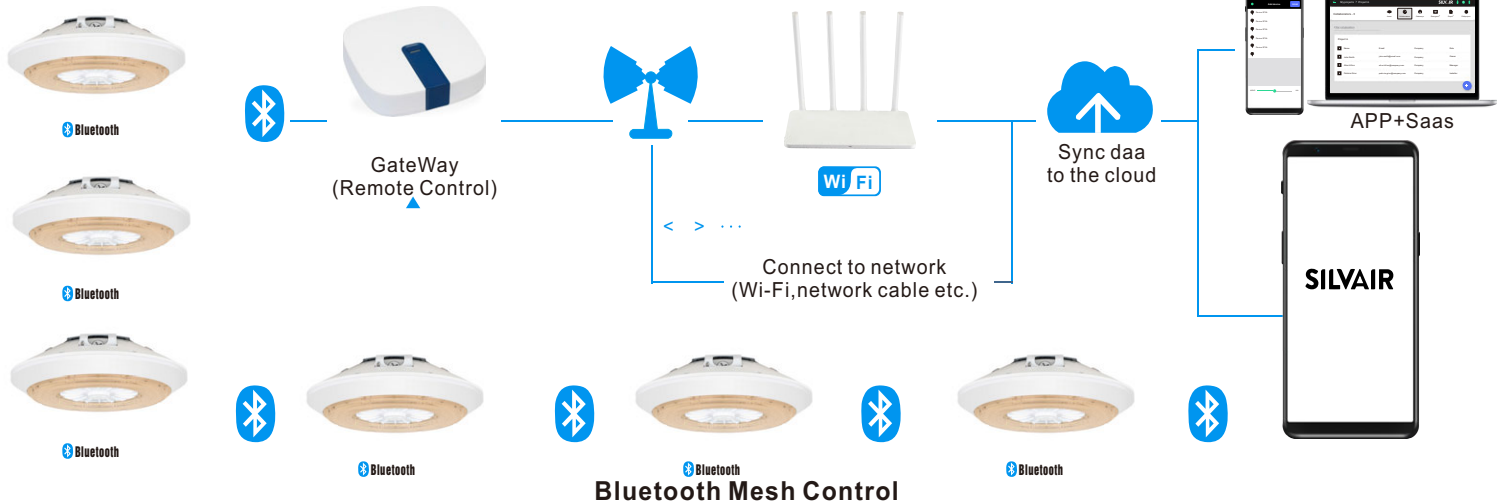
WSD	UPGC	2842567W	27	45K	Z	Y	E
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH	CONTROL 1	CONTROL 2
<b>WISDOM</b>	<b>UPGC</b> (Up Light Garage Canopy)	<b>28W</b> - (28W) <b>42W</b> - (42W) <b>56W</b> - (56W) <b>7W</b> - (70W)	<b>27</b> (AC120-277V)	<b>4K</b> - (4000K) <b>5K</b> - (5000K)	<b>D</b> - (Dark Bronze) <b>W</b> - (White) <b>B</b> - (Black) <b>S</b> - (Silver)	<b>P</b> - (Photocell)	<b>M</b> - (Motion Sensor)



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## GateWay Remote Control



### Functions:

The Silvain Gateway enables the following functions in the Silvain web app: •

- Scheduling (available by default)
  - Scheduling changes in scenes and lighting control scenarios (for example occupancy sensing, daylight harvesting) for specific times or days.
- Energy and occupancy monitoring (additional paid service)
  - Visualizing energy use and occupancy via the Silvain web app.
  - Downloading energy and occupancy via the Silvain web app and cloud-based API.
- Remote monitoring and control (additional paid service)
  - Low-latency monitoring of the status of devices in the network via API.
  - Low-latency control of devices in the network via API. • System diagnostics
    - Monitoring of the status of Bluetooth mesh networks.
    - Remote troubleshooting of networking issues.

### Features:

- Future-proof Linux operating system.
- Simple commissioning using the Silvain Commissioning tools.
- Automatic connection to the Silvain cloud.
- Secure provisioning with secure IDs and encrypted keys.
- High level of hardware and software security (secure boot and encrypted file system can only be accessed with the management platform).
- Automatic security updates.
- Prompt releases of OS updates and fixes to vulnerabilities.
- Low-latency transfer of network, luminaire, and sensor status data to the Silvain cloud.
- Schedule caching.
- Automatic remote firmware updates.
- Display of gateway and network performance metrics (requires the Silvain web app).

## INDUSTRIAL GATEWAY

### SGW-101

Smart Engineering Gateway

The Silvain Gateway connects Bluetooth mesh networks that have been commissioned using the Silvain Commissioning tools to the Silvain cloud. This allows the scheduling of events and delivery of services based on the data generated by these networks.

### SPECIFICATION

<b>POWER SUPPLY</b>	4.5–5.5 V DC, 2 A Power over Ethernet 36–57 V DC (IEEE 802.3af)
<b>OPERATING SYSTEM</b>	Ubuntu Core
<b>PROCESSOR</b>	i.MX6ULL (Y2), 32-bit ARM 800 MHz
<b>MEMORY</b>	512 MB DDR3L SDRAM 8GB eMMC
<b>COMMUNICATION PROTOCOLS</b>	Bluetooth mesh (2.4 GHz Bluetooth Low Energy) Wi-Fi 802.11a/b/g/n/ac (2.4/5 GHz) 4G LTE Cat 1 with 2G/3G (only for Cascade-500-W and Cascade-500-X gateways)
<b>PORTS</b>	1 x RJ45 10/100 Ethernet 1 x USB 2.0 Type-A 2 x external dipole antenna, 5 dBi (only for Cascade-500-W and Cascade-500-X gateways)
<b>REQUIRED AMBIENT TEMPERATURE</b>	0°C to 60°C 32°F to 140°F
<b>ENCLOSURE DIMENSIONS</b>	127 mm x 127 mm x 30 mm (5 inch x 5 inch x 1.2 inch)
<b>MOUNTING POSITION</b>	Wall or surface mounted. As close to the geometrical center of the lighting network as possible, but as far as possible from potential sources of interference.
<b>SECURITY</b>	Secure boot with encrypted operating system Secure communication with the Silvain Cloud over Internet (TLS) Secure communication with devices over qualified Bluetooth mesh

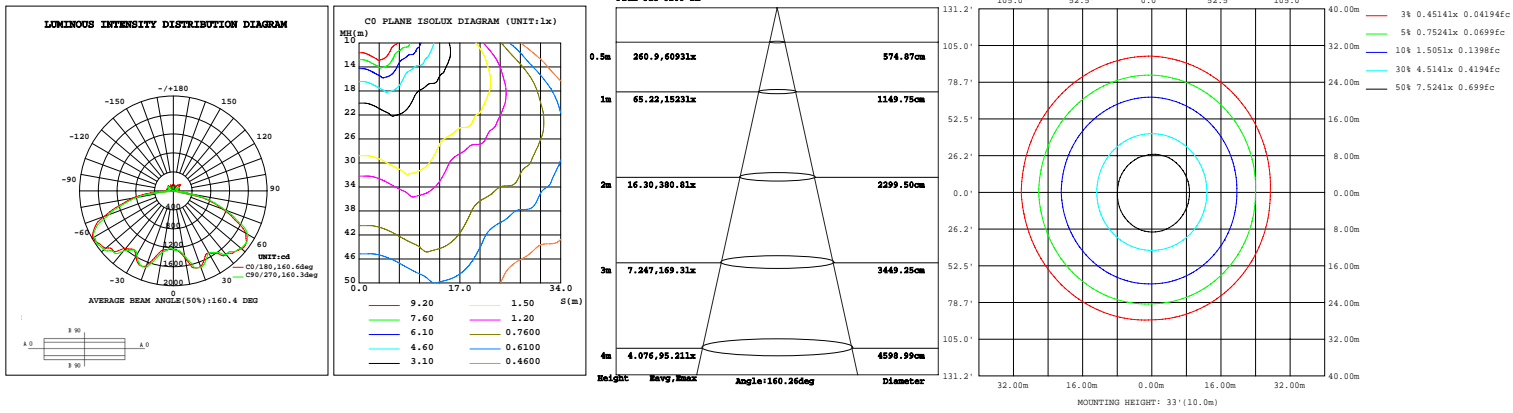
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## PHOTOMETRICS

For complete IES files, please visit our website.

### WSD-UPGC2842567W27-45K (70W&4000K)



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