

LED Uplight Parking Garage Canopy

Wattages: 28W, 42W, 56W, 70W ; 36W, 54W, 72W, 90W



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.

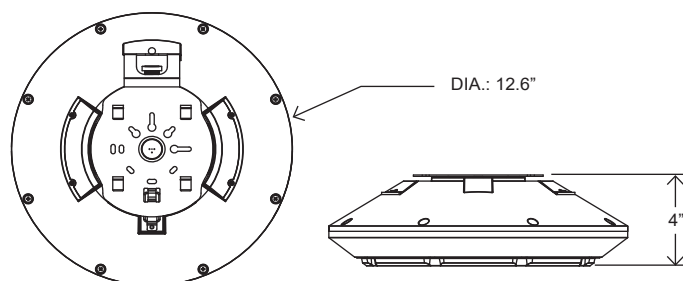
Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.



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 0-10V Dimming type is continuous.

DIMENSION:



SPECIFICATION

TYPE	WSD-UPGC2842567W27-45K-W				WSD-UPGC36547290W27-345K-W			
WATTAGE	28W	42W	56W	70W	36W	54W	72W	90W
CCT	4000K	4000K	4000K	4000K	4000K	4000K	4000K	4000K
LUMEN	4326 lm	5818 lm	7321 lm	9080 lm	6028 lm	8680 lm	11188 lm	13635 lm
EFFICACY	>150 lm/W							
UPLIGHT (%)	11.9%							
CRI	70							
INPUT VOLTAGE	AC120-277V							
BEAM ANGLE	161°							
POWER FACTOR	0.90							
DRIVER EFFICACY	90%							
FACTORY SETTINGS	70W & 4000K				90W & 4000K			
LIFE SPAN	over 50,000 hrs							
WORKING TEMPERATURE	-22°F ~ 113°F							
STORAGE TEMPERATURE	-40°F ~ 176°F							
OUTDOOR RATING	Wet location							
LENS MATERIAL	PC							
CABLE	3 core, 18AWG (0.3m)							
WARRANTY	5 year limited							

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Motion sensor (Options)

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 drawing heat away from the fixture, and extending the lifespan of the LEDs.

WATT/CCT
SELECTABLE

POWER:28W/42W/56W/70W
36W/54W/72W/90W
CCT:4000K/5000K
3000K/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

BRI810-C-F+EM10
Microwave Motion
Sensor

RC100
Remote Controller

ACCESSORIES (SOLD SEPARATELY)



WSD-LS-UPGC
Lens Shade

Packaging information

WATTAGE	28-90W
NT. WEIGHT	6.0 lbs
BOX DIM.	13.19" x 13.19" x 5.9"(1Pcs/CTN)

ORDERING INFORMATION

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

WSD	UPGC	2842567W	27	45K	Z	Y	E
COMPANY	PRODUCT	WATTAGE	VOLTAGE	CCT	FINISH	CONTROL 1	CONTROL 2
WSD LED INC	UPGC (Up Light Garage Canopy)	2842567W 28W/42W /56W/70W 36547290W 36W/54W /72W/90W	27 (AC120-277V)	45K 4K - (4000K) 5K - (5000K) 345K 3K - (3000K) 4K - (4000K) 5K - (5000K)	D - (Dark Bronze) W - (White) B - (Black) S - (Silver)	P - (Photocell)	M - (Motion Sensor)

WSD LED INC
Green Lighting Resources



L3

Coverage Side View

Coverage Top View

360° Coverage

Angle (°)	Distance (m)	Coverage (m)
0	0	0
0	10	0
0	20	0
0	30	0
0	40	0
0	50	0
0	60	0
0	70	0
0	80	0
0	90	0
0	100	0
0	110	0
0	120	0
0	130	0
0	140	0
0	150	0
0	160	0
0	170	0
0	180	0
0	190	0
0	200	0
0	210	0
0	220	0
0	230	0
0	240	0
0	250	0
0	260	0
0	270	0
0	280	0
0	290	0
0	300	0
0	310	0
0	320	0
0	330	0
0	340	0
0	350	0
0	360	0

Coverage Side View

0'

8'

24' 11' 7' 3' 0' 3' 7' 11' 24'

360° Coverage

Coverage Top View

30'

20'

10'

0'

0'

10'

20'

30'

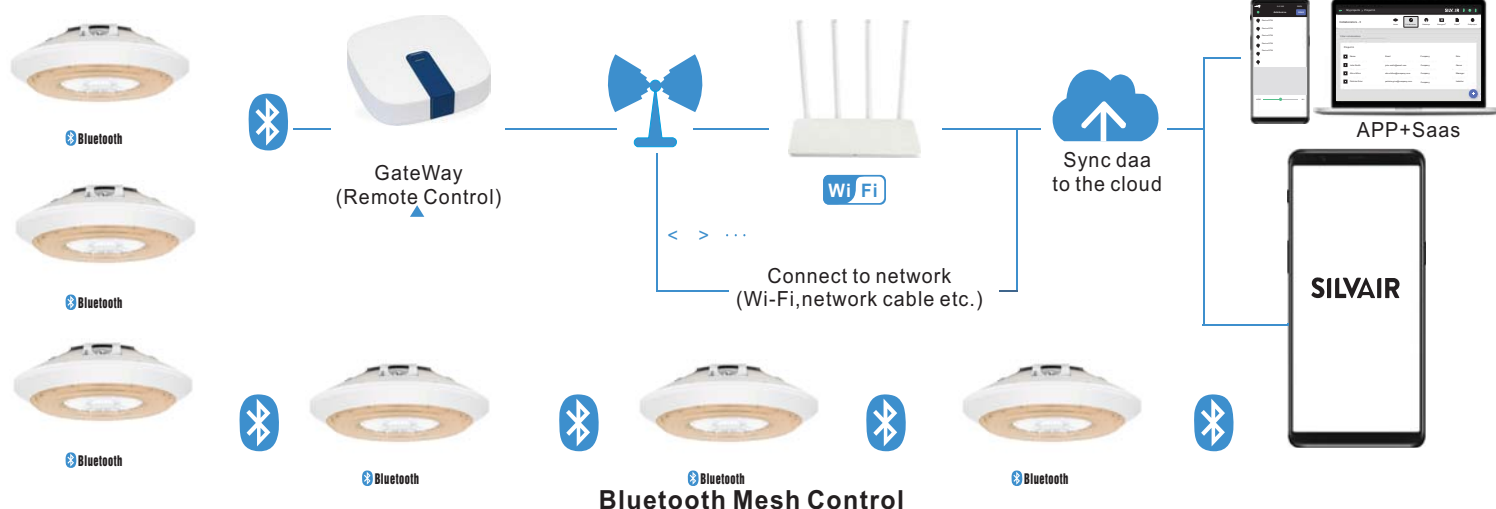
30' 20' 10' 0' 10' 20' 30'

60'

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GateWay Remote Control



Functions:

The Silvair Gateway enables the following functions in the Silvair 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 Silvair web app.
 - Downloading energy and occupancy via the Silvair 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 Silvair Commissioning tools.
- Automatic connection to the Silvair 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 Silvair cloud.
- Schedule caching.
- Automatic remote firmware updates.
- Display of gateway and network performance metrics (requires the Silvair web app).

INDUSTRIAL GATEWAY

SGW-101

Smart Engineering Gateway

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

SPECIFICATION

POWER SUPPLY	4.5–5.5 V DC, 2 A Power over Ethernet 36–57 V DC (IEEE 802.3af)
OPERATING SYSTEM	Ubuntu Core
PROCESSOR	i.MX6ULL (Y2), 32-bit ARM 800 MHz
MEMORY	512 MB DDR3L SDRAM 8GB eMMC
COMMUNICATION PROTOCOLS	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)
PORTS	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)
REQUIRED AMBIENT TEMPERATURE	0°C to 60°C 32°F to 140°F
ENCLOSURE DIMENSIONS	127 mm x 127 mm x 30 mm (5 inch x 5 inch x 1.2 inch)
MOUNTING POSITION	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.
SECURITY	Secure boot with encrypted operating system Secure communication with the Silvair Cloud over Internet (TLS) Secure communication with devices over qualified Bluetooth mesh

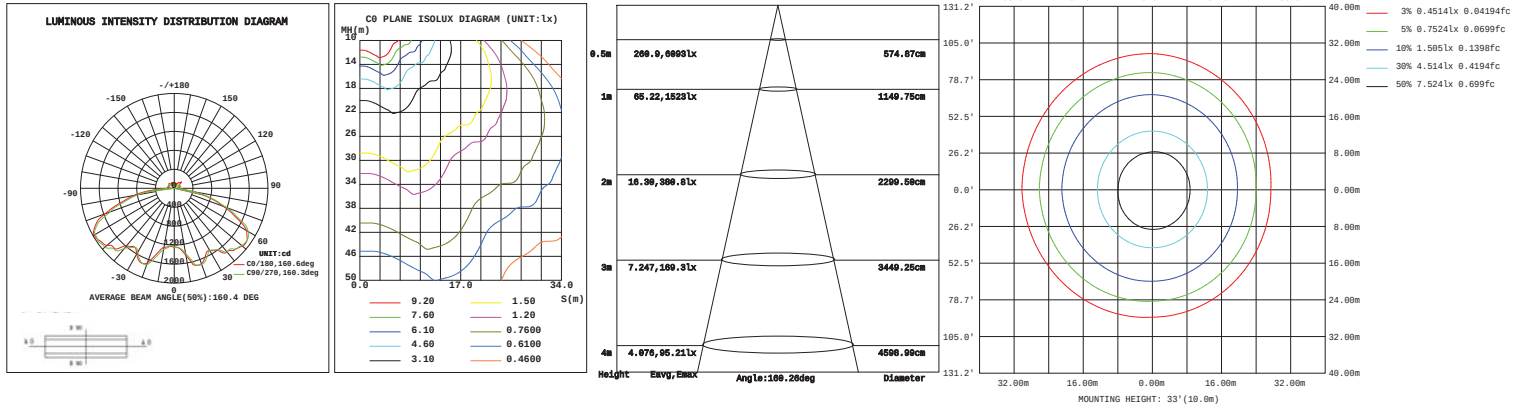
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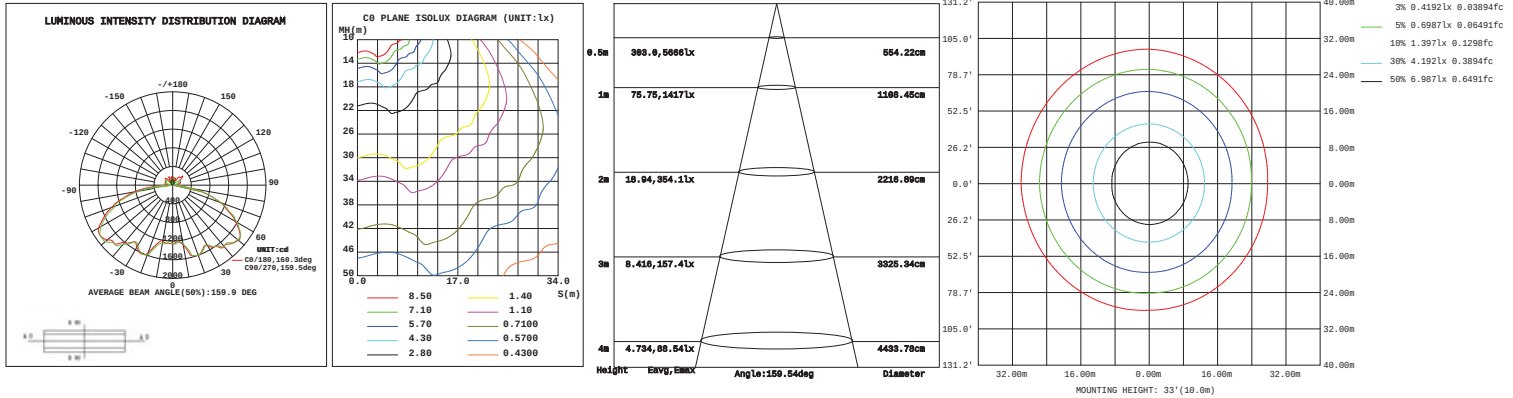
PHOTOMETRICS

For complete IES files, please visit our website.

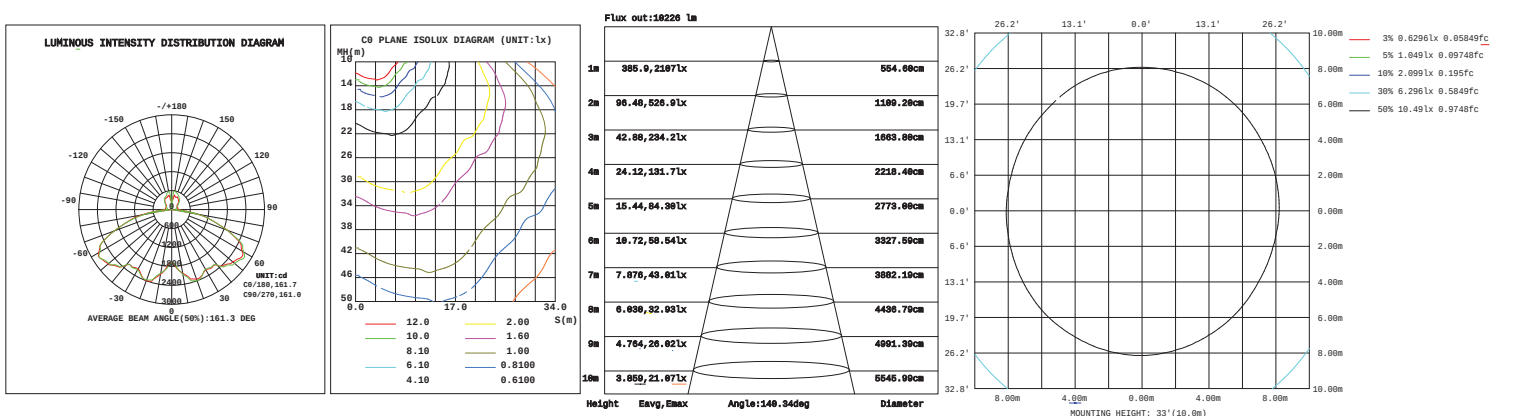
WSD-UPGC2842567W27-45K (70W&4000K)



WSD-UPGC2842567W27-45K (70W&5000K)



WSD-UPGC36547290W27-345K (90W&4000K)



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