Selectable UFO High Bay Light

Lighting and Power Technologies LLC

Wattages: 85W, 120W, 150W ; 115W, 160W, 200W; 140W, 190W, 240W
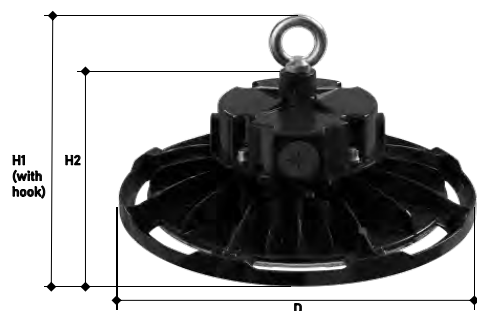
WATT/CCT SELECTABLE

Selectable UFO High Bay Light series can be widely used in outdoor or indoor lighting(Wet location),Excellent for Museums,Underground parking lot,Workshop, warehouse, gymnasiumand many more applications.

♦ LED high luminous efficiency and long working life.

♦ High efficiency LED Driver, the wide range input voltage AC120-277V/ 277-480V.

♦ Die-cast aluminum cooling design, high quality and better cooling for LED Tj < 85℃.

♦ Excellent optics design, greatly improve the light utilization and evenness.

♦ Wireless bluetooth system and Motion sensor control available (Optional)

♦ 12Vdc auxiliary dimming

Structure Features:

♦ Shell materials: Aluminum & PC

♦ Finish:BLACK(Standard)

♦ Net weight : 85-150W:1.84Kg (4.06 lbs)
    115-200W:2.23Kg (4.90 lbs)
    140-240W:2.80Kg (6.17 lbs)

♦ P roduct Size : 85-150W:φ260X154mm(10.2"X6.1")
    115-200W:φ300X154mm(11.8"X6.1")
    140-240W:φ340X164mm(13.4"X6.5")

♦ Carton Size : 85-150W:277X274X139mm
    (10.91"X10.79"X5.47")
    115-200W:317X314X139mm
    (12.48"X12.36"X5.47")
    140-240W:358X354X143mm
    (14.09"X13.94"X5.63")

DIMENSION:

H1 (with hook)

H2

D

Size unit: inch(mm)

Size	150W	200W	240W
Diameter, D	10.2(260)	11.8(300)	13.4(340)
Height 1, H1*	6.1(154)	6.1(154)	6.5(164)
Height 2, H2*	4.3(110)	4.3(110)	4.7(120)

SPECIFICATION									
TYPE									
WATTAGE	85W	120W	150W	115W	160W	200W	140W	190W	240W
LUMEN	12325lm	17400lm	21750lm	16675lm	23200lm	29000lm	20300lm	27550lm	34800lm
EFFICACY	> 145 lm/W								
CCT	3500K,4000K, 5000K								
CRI	80								
INPUT VOLTAGE	AC120-277V/277-480V								
BEAM ANGLE	89º								
POWER FACTOR	0.95								
DRIVER EFFICACY	90%								
DIMMING	0-10V dimming 12V Auxiliary power								
FACTORY SETTINGS	150W & 4000K			200W & 4000K			240W & 4000K		
LIFE SPAN	over 50,000 hrs								
WORKING TEMPERATURE	-22ºF ~ 113ºF								
STORAGE TEMPERATURE	-40ºF ~ 176ºF								
OUTDOOR RATING	Wet location								
CABLE	3 core, 18AWG (72 inch)								
WARRANTY	5 year limited								

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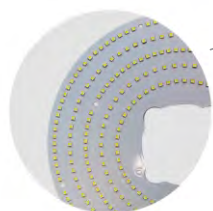
Bluetooth® (Option)

MOTION SENSOR and Bluetooth options

Hook (Standard)

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

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 eficient heat sink design.

WATT/CCT SELECTABLE

Selectable CCT
Three position sliding switch
3500K / 4000K / 5000K

Selectable Power
Three position sliding switch
85W / 120W / 150W
115W / 160W / 200W
140W / 190W / 240W

EMERGENCY BACK-UP (SOLD SEPARATELY)

WSD-EMUFO40W347-R
30W/40W/60W Emergency Backup Battery
Available only for low-voltage (120-277Vac) Luminaire models

CONTROL (SOLD SEPARATELY)

Bluetooth®
ANT-5-4T-BLE-SR
Bluetooth Microwave Motion Sensor
(Silvair Bluetooth)

Bluetooth®
ANT-5-4T-BLE-GE
Bluetooth Microwave Fixture Sensor
(GEBC Bluetooth)

ANT-5-4T Motion Sensor
Bi -level microwave Sensor

ANT-5-4T-PC
Photocell

RC100
Remote Controller

BRI-WS204-GE
4-Button Wireless Wall Switch
(Can only be used for ANT-5-4T-BLE-GE)

MOUNTING (SOLD SEPARATELY)

Φ1.37" (35mm)
Φ0.55" (14mm)
MPT 3/4
1.5" (38mm)
1.77" (45mm)
2.72" (69mm)
0.63" (16mm)
M10×1.5

Trunnion
Item: WSD-UFO-T
Trunnion, Mainly used for indoor or outdoor ceiling installation, can be directly mounted on the ceiling.

UFO High Bay Lights Pendant Adaptor
Item: PDUFO-M10-3/4
Main Parameters: bottom screw M10, top thread NTP3/4"
Material: Aluminum
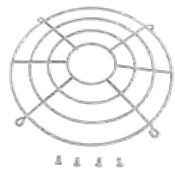
HOOK
Item: WSD-UFO-HOOK
Main Parameters: bottom screw M10

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ACCESSORIES (SOLD SEPARATELY)

WIRE GUARD
Item:
WSD-UFO-PNC-150W
WSD-UFO-PNC-200W
WSD-UFO-PNC-240W

Polycarbonate Cover
Item:
WSD-UFO-PC-150W
WSD-UFO-PC-200W
WSD-UFO-PC-240W

Glare shield on lens bottom
Item:
WSD-UFO-BPC-150W
WSD-UFO-BPC-240W
(200W/240W UFO share the model WSD-UFO-BPC-240W)

UFO block dust plate
Item: WSD-UFO-150BP
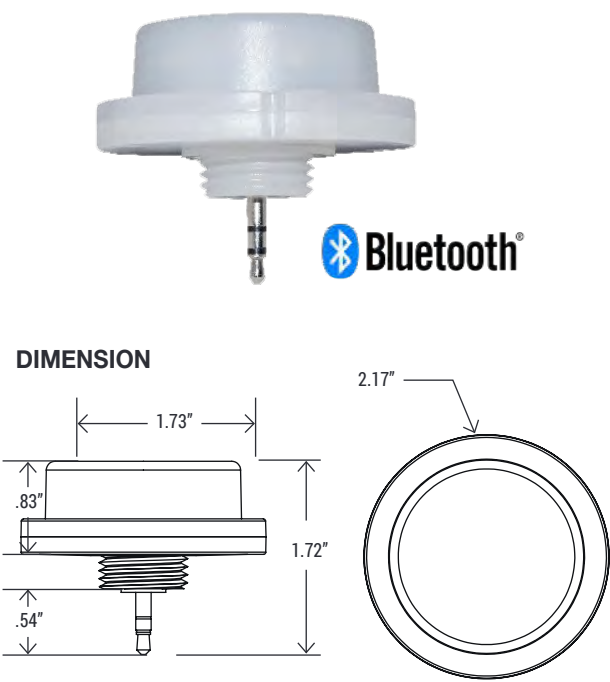(Can only be used for WSD-UFO-BPC-150W)

Aluminum Lamp Shade
Item:
WSD-UFO-150W-ALS
WSD-UFO-200W-ALS
WSD-UFO-240W-ALS

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DIMENSION

1.73"
2.17"
.83"
1.72"
.54"

COVERAGE

13-40ft

Height of installation13-40ft

100%
75%
50%
26' 20' 13' 13' 20' 26'

**ANT-5-4T-BLE-SR**
Plug and Play Network BLE Nodes and Sensor

The Bluetooth Lighting Control provides automated individual and group control of light fixtures using on sensors and Bluetooth sigmesh technology. The ANT-5-4T-BLE-SR mounted in an Commercial lighting fixture and provides multi-level control solution based on motion and or daylight harvesting contribution.

FEATURES
- Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements.
- Quick connect and adjust different sensor angle.
- Easy commissioning with Mobile App (Available in IOS or Android).
- Bluetooth network with Saas working by computer
- Individual addressability and/or grouping.
- Time clock scheduling for individual lights, groups or scenes.
- Multi-level dimming: manual ON/OFF automatic ON/OFF, and automatic partial ON/OFF, daylight harvesting control capability.

SPECIFICATION	
NETWORK BLE MESH	Yes
DAYLIGHT HARVESTING	Yes
MICROWAVE MOTION SENSOR	Yes
DETECTION MODE	Occupancy/Vancancy/Bi-level in 1 Unit
OPERATING VOLTAGE	12-24V DC
OPERATING CURRENT	>50mA
SINKING CURRENT	max. 25mA
CONTROL OUTPUT	0-10V
RADIO FREQUENCY	2.4GHz ± 75MHz
WIRELESS STANDARD	BLE 5.0 MESH
PRORGRAMMING	Silvair iOS App (IOS or Android)
CYBERSECURITY	UL
ENCRYPTION	AES 128-bit
MESH RANGE	60ft node-to-node and 500ft node-to-device (Commissioning)
SAFETY	cULus Listed
FCC	FCC
OPERATING TEMP.	-20°C - +60°C
IP RATING	IP65
WARRANTY	5 year limited
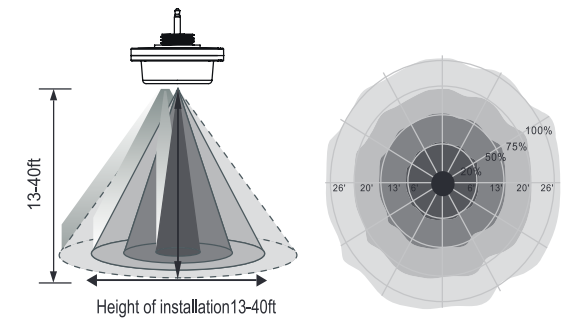
MICROWAVE SENSOR FEATURES	
DAYLIGHT HARVESTING	On/Off
MOTION SENSING	On/Off
FIRST TIME DELAY	1-59 mins/infinite
SECOND TIME DELAY	0-59 mins/infinite
DIM LEVEL	0-100%
MOUNTING HEIGHT	13-40ft
DETECTION RANGE	up to 52ft diameter
DETECTION: HORIZONTAL	360°
DETECTION: VERTICAL	90°

COMMISSIONING
Silvair iOS App or Android makes it easy to pair devices, create groups, set scenes/schedules, customize dimming levels, and adjust high trim based on application needs.

Silvair App

Please scan and download the app.

iOS
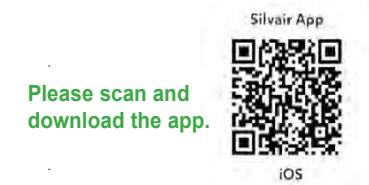
Operation Instruction:
https://youtu.be/8KWPK7z_Tng

Android:

When using silvair, you can search for silvair in Android Google play to download and install it

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GateWay Remote Control

Bluetooth

GateWay (Remote Control)

Wi Fi

Connect to network (Wi-Fi, network cable etc.)

Sync daa to the cloud

APP+Saas

SILVAIR

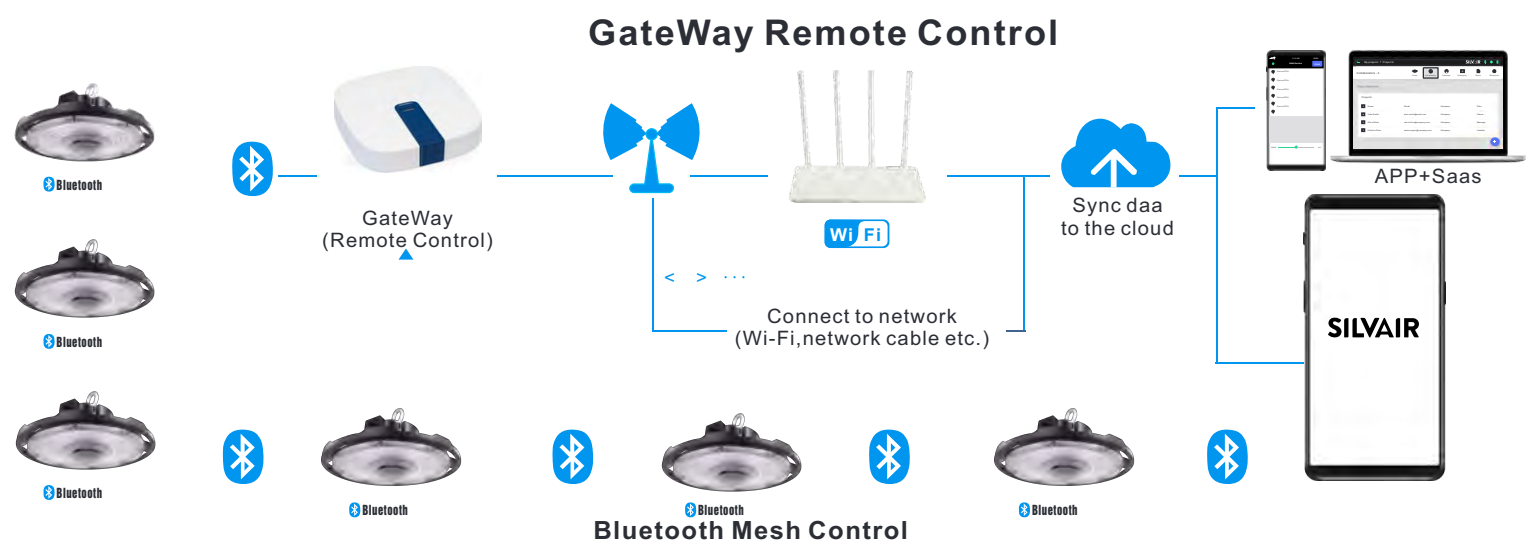**Bluetooth Mesh Control**

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.

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.
● Energyand 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).

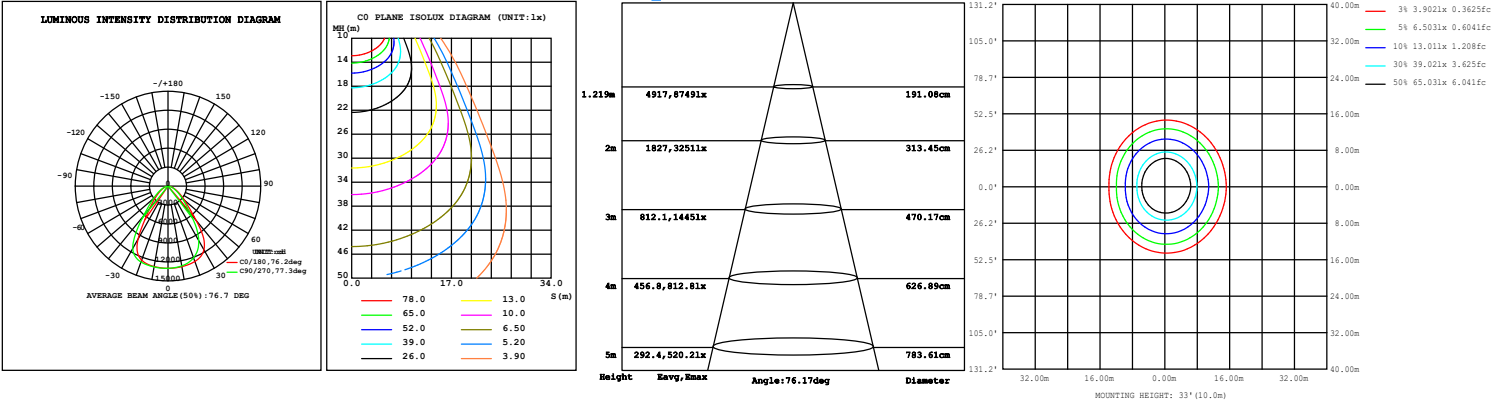| SPECIFICATION	
POWER SUPPLY	4.5–5.5 V DC, 2 A Power over Ethernet 36–57 V DC (IEEE 802.3af)
OPERATING SYSTEM	Ubuntu Core
PROCESSOR	i.MX6ULL (Y2), 32-bit ARM 800 MHz
MEMORY	512 MB DDR3L SDRAM 8GB eMMC
COMMUNICATION PROTOCOLS	Bluetooth mesh (2.4 GHz Bluetooth Low Energy) Wi-Fi 802.11a/b/g/n/ac (2.4/5 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 iles, please visit our website.

WSD-UFO851215W27-3545K (150W 4000K)

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,76.2deg
C90/270,77.3deg
AVERAGE BEAM ANGLE(50%):76.7 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)
MH(m)

78.0	13.0
65.0	10.0
52.0	6.50
39.0	5.20
26.0	3.90

Flux out:15058 lm

Height	Eavg,Emax		Diameter
1.219m	4917,87491x		191.08cm
2m	1827,32511x		313.45cm
3m	812.1,14451x		470.17cm
4m	456.8,812.81x		626.89cm
5m	292.4,520.21x		783.61cm
		Angle:76.17deg	

3% 3.9021x 0.3625fc
5% 6.5031x 0.6041fc
10% 13.011x 1.208fc
30% 39.021x 3.625fc
50% 65.031x 6.041fc

MOUNTING HEIGHT: 33'(10.0m)

WSD-UFO115160200W27-3545K (200W 4000K)

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,83.2deg
C90/270,84.0deg
AVERAGE BEAM ANGLE(50%):83.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)
MH(m)

90.0	15.0
75.0	12.0
60.0	7.50
45.0	6.00
30.0	4.50

Flux out:20954 lm

Height	Eavg,Emax		Diameter
1.219m	5535,101471x		216.70cm
2m	2057,37711x		355.48cm
3m	914.1,16761x		533.21cm
4m	514.2,942.71x		710.95cm
5m	329.1,603.31x		888.69cm
		Angle:83.25deg	

3% 4.5251x 0.4204fc
5% 7.5411x 0.7006fc
10% 15.081x 1.401fc
30% 45.251x 4.204fc
50% 75.411x 7.006fc

MOUNTING HEIGHT: 33'(10.0m)

WSD-UFO141924W27-3545K (240W 4000K)

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,69.0deg
C90/270,70.5deg
AVERAGE BEAM ANGLE(50%):69.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)
MH(m)

140	24.0
120	19.0
95.0	12.0
71.0	9.50
47.0	7.10

Flux out:22037 lm

Height	Eavg,Emax		Diameter
1.219m	9625,159361x		167.76cm
2m	3577,59221x		275.20cm
3m	1590,26321x		412.81cm
4m	894.2,14811x		550.41cm
5m	572.3,947.51x		688.01cm
		Angle:69.06deg	

3% 7.1061x 0.6602fc
5% 11.841x 1.1fc
10% 23.691x 2.201fc
30% 71.061x 6.602fc
50% 118.41x 11fc

MOUNTING HEIGHT: 33'(10.0m)

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