Sensor Based Back-lit LED panel light

WSD LED INC
Green Lighting Resources

Wattages: 20W,25W,30W,35W,40W,46W

1X4' FIXTURE

2X4' FIXTURE

2X2' FIXTURE

WATT/CCT SELECTABLE

The Sensor Based Back-lit LED panel Lighting Series can be widely used for Indoor Excellent for Offices, Hallways, Multipurpose Rooms , Office Buildings, Conference Rooms,super market, store and many other applications.

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

Features

· Energy efficient: save up to 80% in energy costs
· High lumen output
· Mercury-free
· Instant-on light
· 50,000 hours at 70% lumen maintenance rated life
· 5 years manufacturer warranty
· Compatible with most Lutron and Leviton dimmers
· **12Vdc auxiliary dimming**
· **The 0-10V Dimming type is continuous**

Packaging information
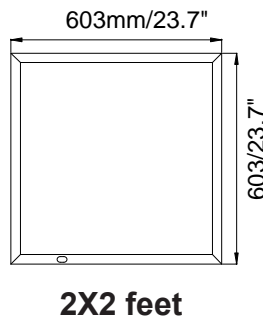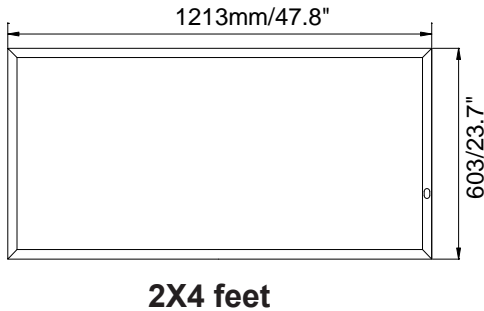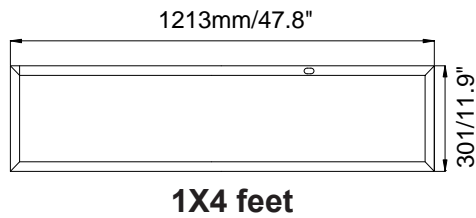
❖**14LPZ202530W27-3545K-G2**
 1271MMX224MMX358MM (4 Pcs/CTN)
 (50.0" X8.8" X14.09")
❖**22LPZ202530W27-3545K-G2**
 664MMX224MMX658MM (4 Pcs/CTN)
 (26.1" X8.8" X25.9")
❖**24LPZ354046W27-3545K-G2**
 1271MMX224MMX658MM (4 Pcs/CTN)
 (50.0" X8.8" X25.9")

SPECIFICATION			
TYPE	14LPZ202530W27-3545K-G2	22LPZ202530W27-3545K-G2	24LPZ354046W27-3545K-G2
WATTAGE	20W/25W/30W	20W/25W/30W	35W/40W/46W
LUMEN	2760 lm/3250 lm/3910lm	2660 lm/3350 lm/3810lm	4650 lm/5200 lm/5942lm
15W EMERGENCY LUMEN	1725lm (WSD-EMLY15W27-XX)		
EFFICACY	> 130 lm/W		
CCT	3500K,4000K,5000K		
CRI	> 80		
INPUT VOLTAGE	AC120-277V		
FACTORY SETTINGS	30W & 4000K		46W & 4000K
LED TYPE	SMD2835		
LIGHTING ANGLE	113		
PF	> 0.98		
DRIVER EFFICIENCY	> 90%		
PROTECTION LEVEL	Damp		
LIFE TIME	> 75000 hours		
IC RATING	Type IC		
WARRANTY	5 year limited		

WSD LED INC Green Lighting Resources

Address: 1250 Wattley Way, Suite 100, McKinney, TX 75069
Email: leo.zhu@wisdom-ssl.com • **Tel:** 469.857.5693 / 214.940.9558

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1/7

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Wattages: 20W,25W,30W,35W,40W,46W

DIMENSION

1213mm/47.8"
301/11.9"

1X4 feet

1213mm/47.8"
603/23.7"

2X4 feet

603mm/23.7"
603/23.7"

2X2 feet
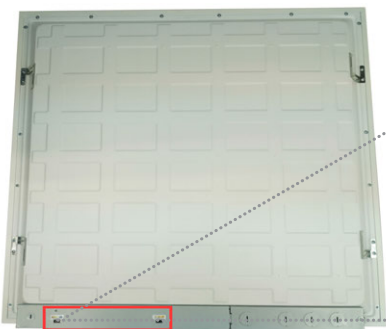
Specifications

LPZ -14
Length:1213MM(47.8")
Width: 301MM (11.9")
Depth:37.5MM (1.5")
Weight:4.43(lbs)

LPZ -22/24
Length:603MM/1213MM (23.7"/47.8")
Width: 603MM (23.7")
Depth:37.5MM (1.5")
Weight:5.78/9.22(lbs)

Mounting
❖ Surface Mounting.
   Recessed lighting fixture

CONTROL MODULE

20 25 30

Neutral White 3500K   Daylight 5000K

35 40 46

Neutral White 3500K   Daylight 5000K

WATT/CCT
SELECTABLE

Enlarge your space

Low profile, optimized packaging allows more container loading.

Each product is packed in PE bags

4 EPE corner protector(6 for 2x4)

Multiple sensor solutions ready

• Quick and easy in-field installation of sensors.

• Integrated occupancy and daylight controls.

Receptacle cover

The sensor receptacle is pre-embedded in the profile frame.

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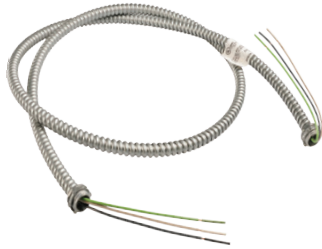
WSD LED INC
Green Lighting Resources

Sensor Based Back-lit LED panel light

Wattages: 20W,25W,30W,35W,40W,46W

ACCESSORIES (ACCESSORIES NEED TO PURCHASED SEPARATELY)
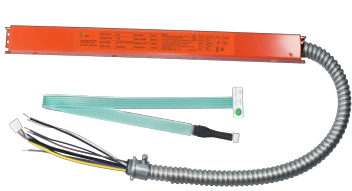
WSD-EMLY15W27-XX
15W Emergency Backup
Battery LED Driver

6FTPRWG-3/8-3PIN
6FTPRWG-3/8-5PIN
6FTPRWG-3/8-6PIN
6FT 3/8 inch Metal Flexible
Conduit

**Cable Suspended Mounting
for 1x4 Panel Light**

**Cable Suspended Mounting
for 2x2 / 2X4 Panel Light**

PANEL1X4-KIT
2X2 feet SURFACE MOUNT KIT

PANEL2X2-KIT
2X4 feet SURFACE MOUNT KIT

PANEL2X4-KIT
1X4 feet SURFACE MOUNT KIT

CONTROL (SOLD SEPARATELY)

Bluetooth®

Bluetooth®

ANT-1P-4T-BLE-SR
PIR Bluetooth
Microwave Sensor
For Silvair Systems
(Silvair Bluetooth)

ANT-1P-4T-BLE-GE
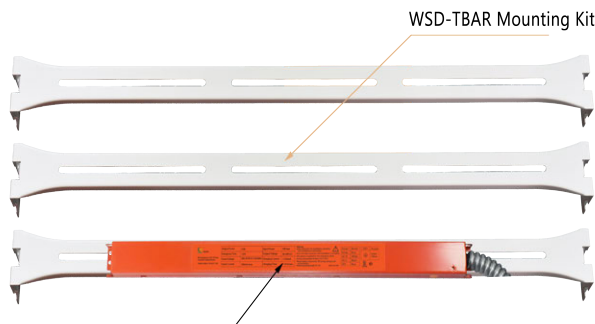PIR Bluetooth
Microwave Sensor
For GEBC Systems
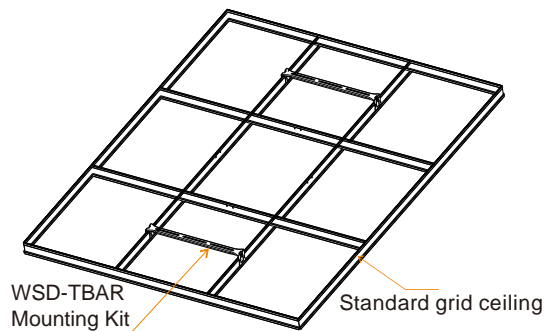(GEBC Bluetooth)

ANT-1P-4T
Bi-Level PIR
Infrared Sensor

RC100(With ANT-1P-4T use)
Remote Controller

WSD-TBAR Mounting Kit(SOLD SEPARATELY)

WSD-TBAR Mounting Kit

Emergency LED Driver

WSD-TBAR
Emergency Backup
Battery LED Driver Mounting Kit

WSD-TBAR
Mounting Kit

Standard grid ceiling

WSD-TBAR Mounting Kit for Emergency LED Driver When
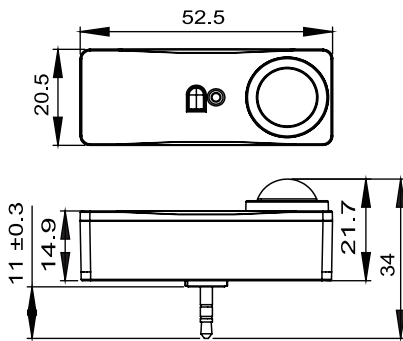emergency led drivers can not be installed on the LED
lights such as LED downlights, LED panel lights&LED troffer.
We can install the emergency led drivers on the WSD-TBARs
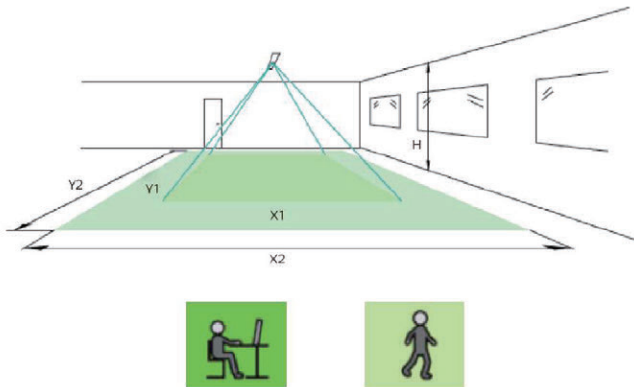and WSD-TBARs are installed on the grid ceiling.

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Sensor Based Back-lit LED panel light

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Green Lighting Resources

PIR Occupany Sensor
With Bluetooth
Model : ANT-1P-4T-BLE-SR
Power source : 10-14V DC

Bluetooth®

ANT-1P-4T-BLE-SR
Plug and Play Network BLE Nodes and Sensor

The ANT-1P-4T-BLE-SR uses PIR motion detectorarchitecture and passive infrared (PIR) technology for improved detection coverage for high bay applications.

FEATURES
• Bluetooth to O-1OV signal converter, Bluetooth mesh network.
• Built-in 20mA O-1OV signal output.
• Mesh network, which has a much longer control distance, transmits received signals to neighboring devices.
• All devices on O-1OV line are broadcastcontrolled by mobile application
• In typical outdoor environment, the typical range for wireless communication is 60m.
• Actual range is dependent on field installation.
• Available with Magnetic reset (Touch the top part of sensorfor 5 seconds).
• On-board antenna.

DIMENSION

COVERAGE

Height	Minor Movement		Major Movement	
H	Y1	X1	Y2	X2
8'/2.4m	10'/2.9m	9'/2.7m	15'/4.5m	9'/2.9m
10'/3m	12'/3.6m	11'/3.4m	18'/5.4m	12'/3.6m

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension.

SPECIFICATION	
NETWORK BLE MESH	Yes
DAYLIGHT HARVESTING	Yes
MICROWAVE MOTION SENSOR	Yes
MOTION SENSOR	Passive infrared sensor
OPERATING VOLTAGE	10-14V DC
OPERATING CURRENT	>50mA
SINKING CURRENT	max. 25mA
CONTROL OUTPUT	0-10V
RADIO FREQUENCY	2.4GHz ± 75MHz
DETECTION ANGLE	360 °
PRORGRAMMING	Silvair iOS App (IOS)
CYBERSECURITY	UL
MOUNTING HEIGHT	12ft Max.
MAX BLUETOOTH RANGE	200ft
SAFETY	cULus Listed
FCC	FCC
OPERATING TEMP.	-20°C - +60°C
IP RATING	IP20
WARRANTY	5 year limited

COMMISSIONING
Silvair iOS App 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:
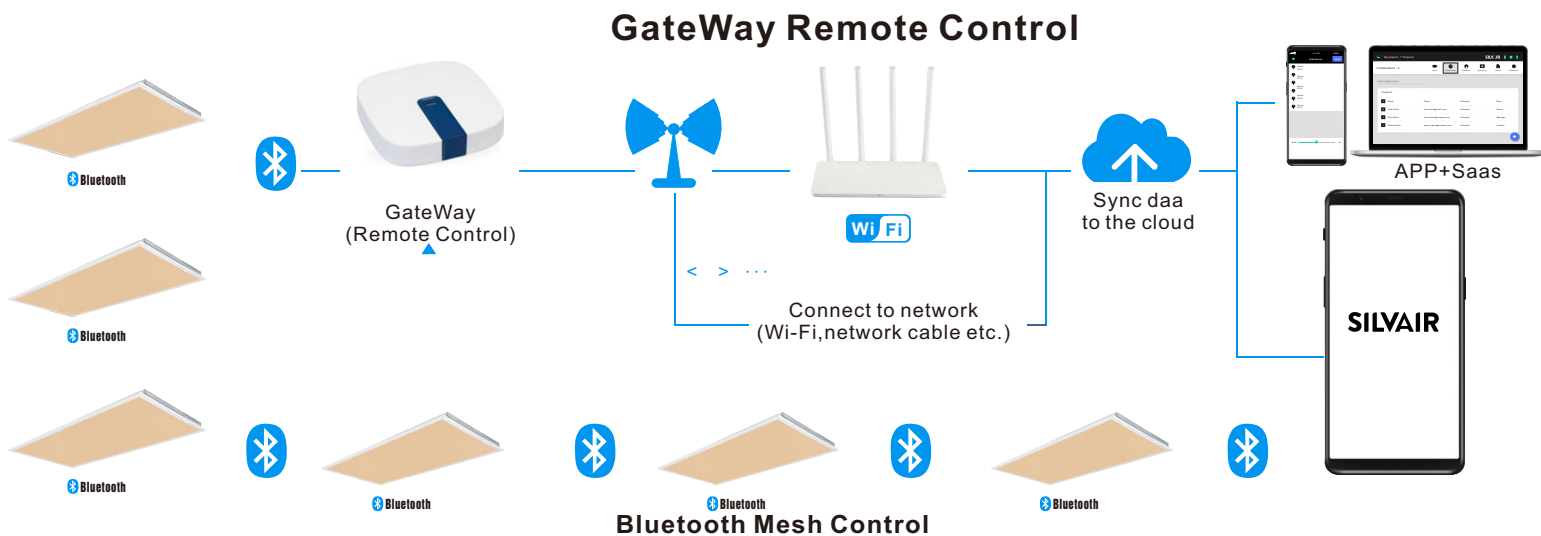https://youtu.be/8KWPK7z_Tng

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GateWay Remote Control

GateWay
(Remote Control)

Wi Fi

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

Sync daa
to the cloud

APP+Saas

SILVAIR

Bluetooth Mesh 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.
● 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).

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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ORDERING INFORMATION

EXAMPLE:

14LPZ202530W27-3545K-E[Blank,BLE,EC,M,ECM]-G2

14	LPZ	202530	27	3545K	E	G2
SIZE	**PRODUCT**	**POWER**	**VOLTAGE**	**CCT**	**CONTROL**	**UPDATE**

14 - (1X4feet)
22 - (2X2feet)
24 - (2X4feet)

LPZ
LED Panel
Lights

202530/354046
20W/25W/30W
35W/40W/46W

27
AC120-277V

3545
3500K/4000K
/5000K

BLE(Bluetooth)
EC(Emergency)
M(Motion Sensor)
ECM(Emergency+
Motion Sensor)

Second generation
product

PHOTOMETRICS

For complete IES files, please visit our website.
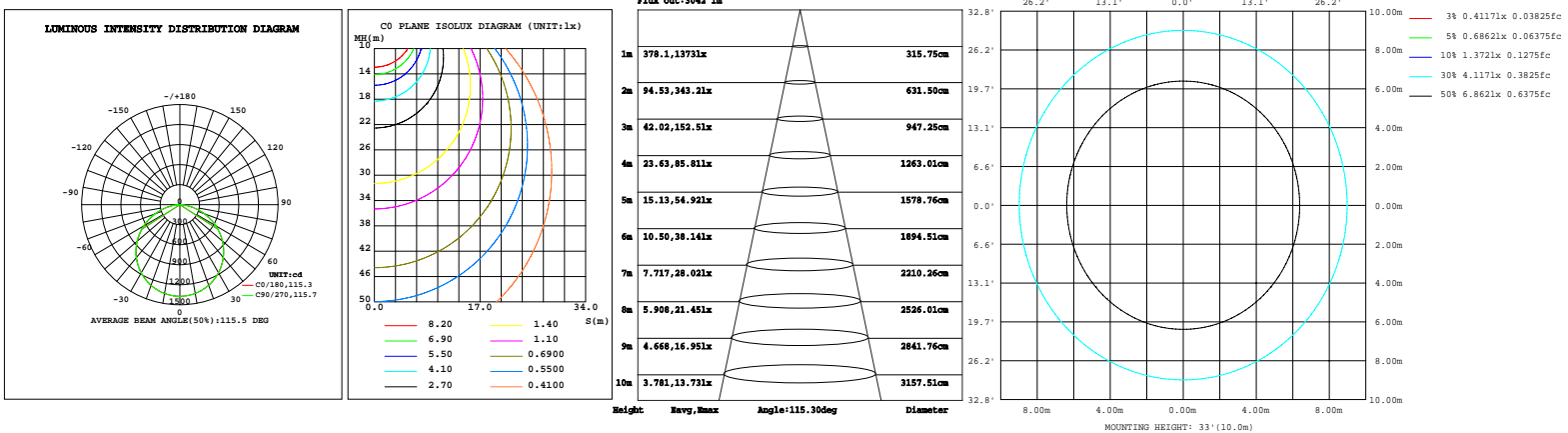
14LPZ202530W27-3545K-G2 (30W&4000K)
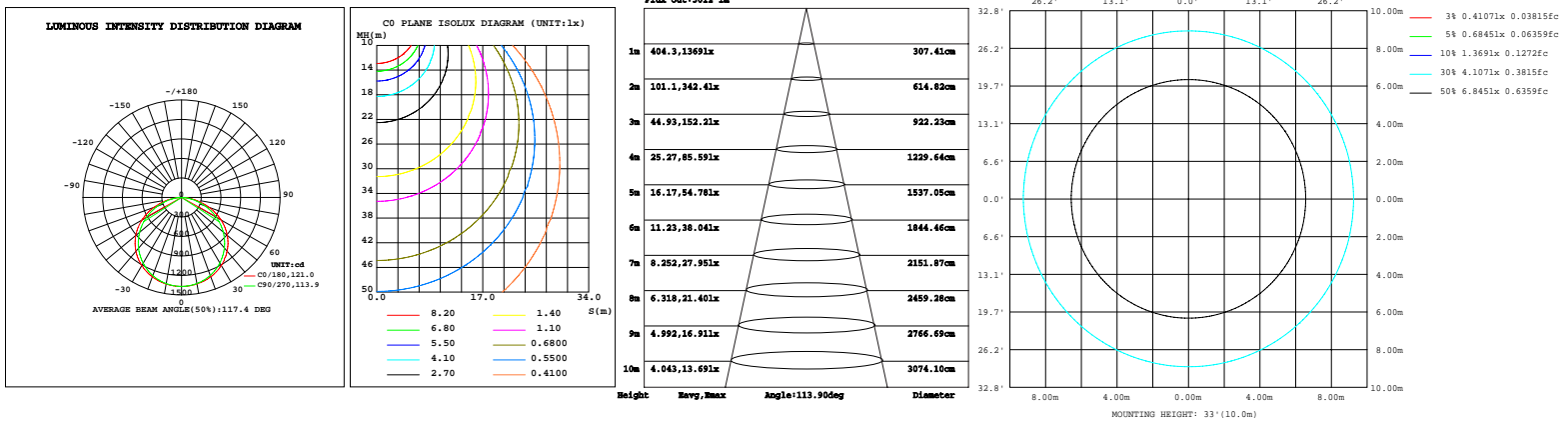
22LPZ202530W27-3545K-G2(30W&4000K)

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PHOTOMETRICS

For complete IES files, please visit our website.

24LPZ354046W27-3545K-G2(46W&4000K)

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
C0/180,120.2
C90/270,115.6
AVERAGE BEAM ANGLE(50%):117.9 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:1x)

12.0	2.10
10.0	1.60
8.20	1.00
6.20	0.8200
4.10	0.6200

Flux out:4642 lm

Height	Eavg,Emax	Diameter
1m	576.9,20601x	317.50cm
2m	144.2,515.01x	635.00cm
3m	64.10,228.91x	952.50cm
4m	36.06,128.71x	1270.00cm
5m	23.08,82.391x	1587.50cm
6m	16.03,57.221x	1905.00cm
7m	11.77,42.041x	2222.50cm
8m	9.014,32.191x	2540.00cm
9m	7.123,25.431x	2857.50cm
10m	5.769,20.601x	3175.00cm

Angle:115.58deg

3% 0.61701x	0.05732fc
5% 1.0281x	0.09553fc
10% 2.0571x	0.1911fc
30% 6.1701x	0.5732fc
50% 10.281x	0.9553fc

MOUNTING HEIGHT: 33'(10.0m)