OE Lighting technical data

LED Ceiling Light

Create new gree life - Energy saving/Healthy/Eco-friendly

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LED CEILING LIGHT

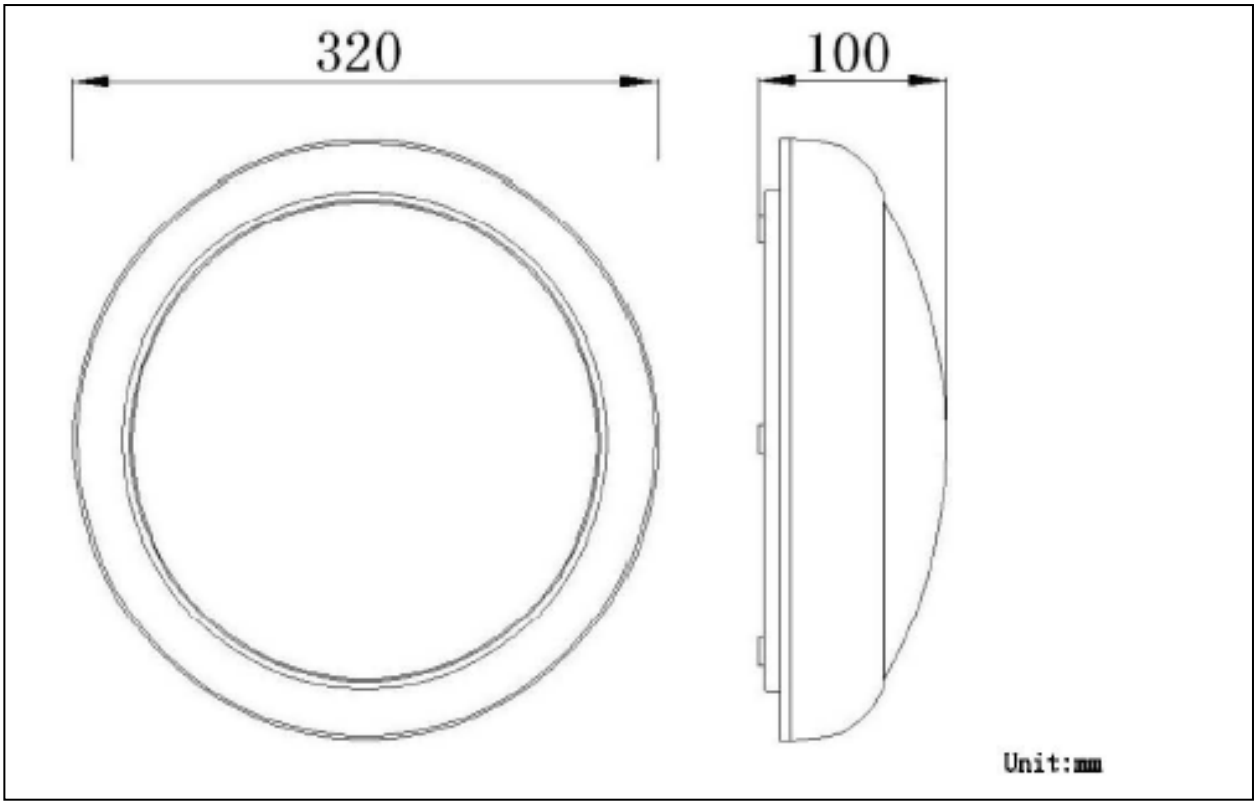
Model No.	Watts	Light Output(lm)	Input（V）	Output（V）	Light Color(K)	Beam Angle(Degree)
BH00001-5050	14W	1000	90-265V,50-60Hz	36-42V,320MA	3000-6500K	120
BH00001-5730	14W	1000	90-265V,50-60Hz	36-42V,320MA	3000-6500K	120
BH00002-5050	14W	1000	90-265V,50-60Hz	36-42V,320MA	3000-6500K	120
BH00002-5730	14W	1000	90-265V,50-60Hz	36-42V,320MA	3000-6500K	120

Specifications	Values
Operational Temperature Range	-20~40℃
Material	PC housing and ABS base
LED Chip	Epistar LED
Color	White
IP rating	IP65
Installation Area	Indoor

Item	Test Conditions	Min.	Typ.	Max.
Input Voltage (V.)	AC	110	220	240
Output voltage (V)	AC	36	36.3	42
Input current (A,)	AC220V	---	0.065	---
Input Power (W,)	AC(all)	---	14.10	----
Input Frequency (Hz)	AC	---	50/60Hz	---
Power Factor (PF)	AC(all)	0.984		

LED CEILING LIGHT

Drawing

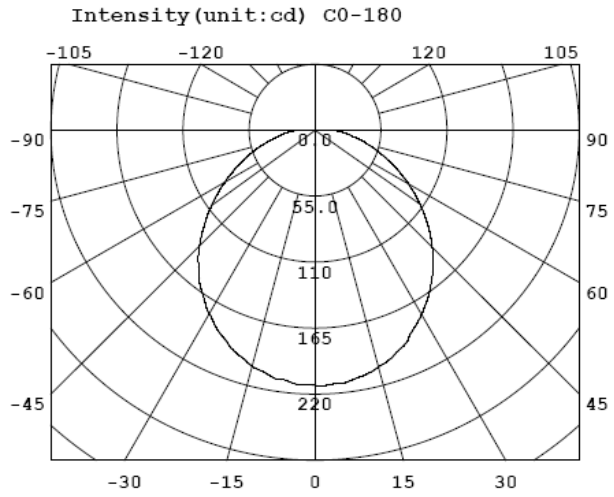


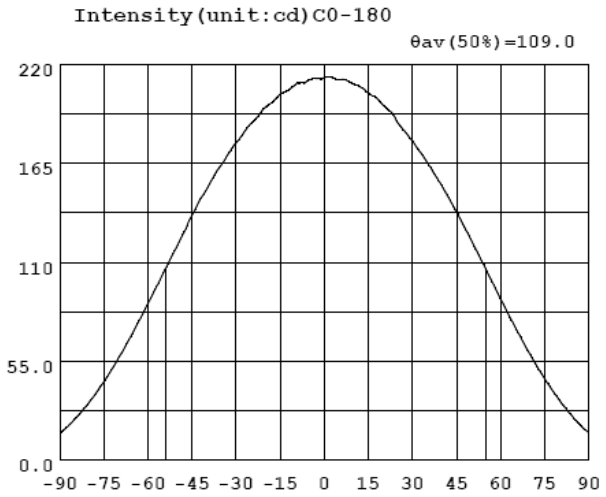
Packing

Weight/carton	6.5/7.5kGS
Size of box	33*33*12cm
Size of Carton	62*35*35CM
Qty/ Carton	5PCS

LED CEILING LIGHT

Goniophotometer Test Report





Intensity data:(deg , cd) C0-180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	15.17	-58.5	92.32	-27.0	183.2	4.5	211.8	36.0	163.3	67.5	66.49
-88.5	17.39	-57.0	97.08	-25.5	186.4	6.0	211.8	37.5	159.1	69.0	62.01
-87.0	19.66	-55.5	101.9	-24.0	188.7	7.5	211.2	39.0	155.3	70.5	57.78
-85.5	22.17	-54.0	106.9	-22.5	191.3	9.0	209.8	40.5	151.2	72.0	53.62
-84.0	24.81	-52.5	111.8	-21.0	194.8	10.5	208.7	42.0	146.9	73.5	49.49
-82.5	27.65	-51.0	116.5	-19.5	197.0	12.0	207.8	43.5	142.5	75.0	45.68
-81.0	30.58	-49.5	121.3	-18.0	198.6	13.5	206.3	45.0	138.2	76.5	41.95
-79.5	33.70	-48.0	126.2	-16.5	201.1	15.0	204.2	46.5	133.5	78.0	38.33
-78.0	36.99	-46.5	131.5	-15.0	203.5	16.5	202.6	48.0	128.9	79.5	34.84
-76.5	40.51	-45.0	136.3	-13.5	204.9	18.0	201.0	49.5	124.1	81.0	31.61
-75.0	44.02	-43.5	141.2	-12.0	205.9	19.5	198.3	51.0	119.4	82.5	28.47
-73.5	47.80	-42.0	145.8	-10.5	207.9	21.0	195.8	52.5	114.5	84.0	25.53
-72.0	51.71	-40.5	149.6	-9.0	209.8	22.5	193.8	54.0	109.6	85.5	22.71
-70.5	55.87	-39.0	153.8	-7.5	209.7	24.0	190.7	55.5	104.6	87.0	20.14
-69.0	60.02	-37.5	158.3	-6.0	210.6	25.5	186.5	57.0	99.84	88.5	17.67
-67.5	64.30	-36.0	162.1	-4.5	211.8	27.0	183.6	58.5	94.91	90.0	15.64
-66.0	68.78	-34.5	165.5	-3.0	212.2	28.5	180.6	60.0	90.03		
-64.5	73.39	-33.0	169.6	-1.5	212.0	30.0	177.4	61.5	85.13		
-63.0	77.92	-31.5	173.4	0.0	212.6	31.5	173.9	63.0	80.39		
-61.5	82.65	-30.0	176.4	1.5	213.0	33.0	170.5	64.5	75.64		
-60.0	87.40	-28.5	179.6	3.0	212.5	34.5	167.0	66.0	71.08		

Electricity Parameter:

Current I:	0.0540A	Power:	12.00W
Voltage V:	220.0V	PF:	0.984

Optical Parameter(Distance=2.000m):

Diffuse angle: @(25%): 143.5deg @(50%): 109.0deg @(75%): 74.1deg @(50%): 109.0deg

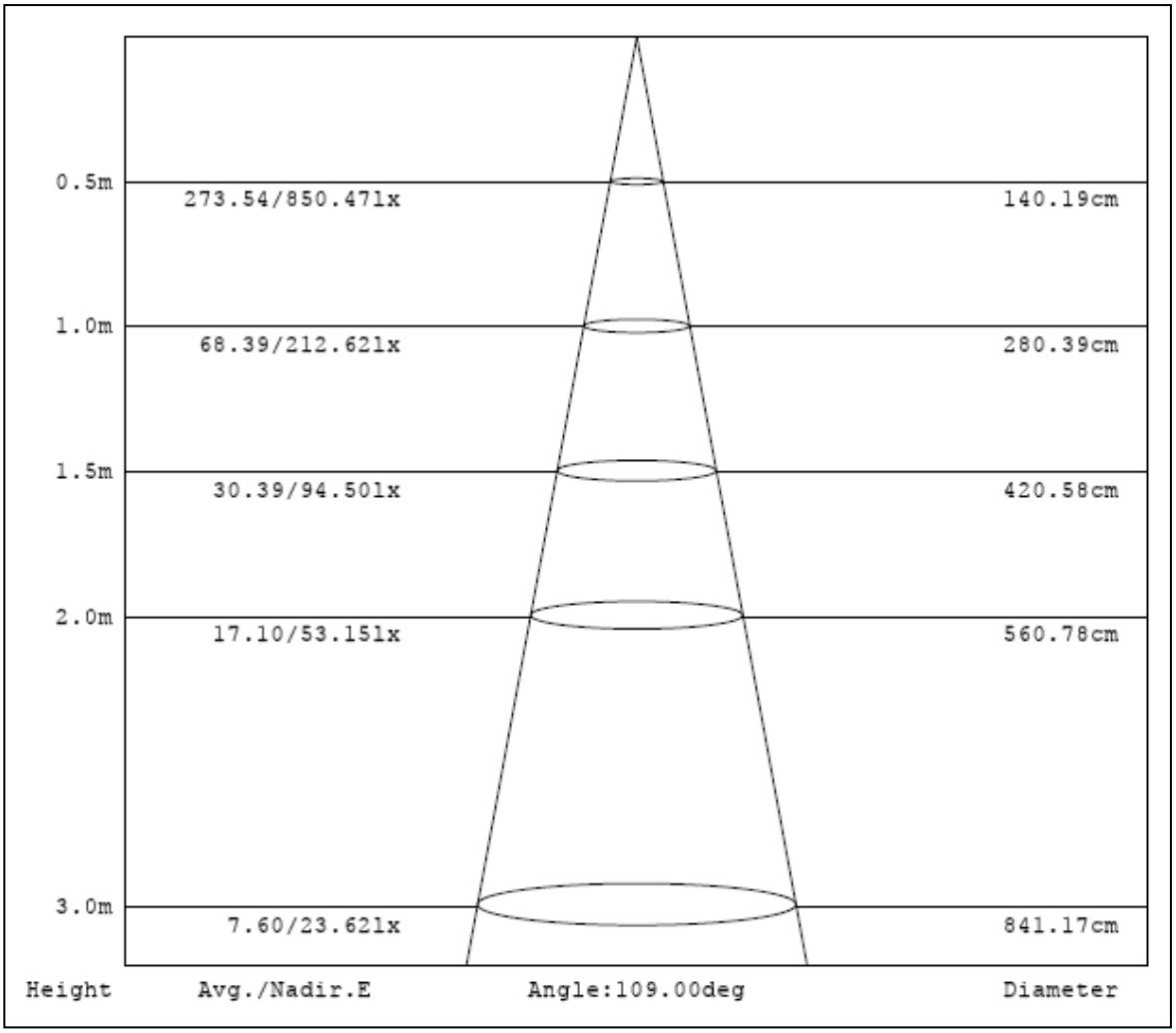
Diffuse angle: @(25%): 143.5deg @(50%): 109.2deg @(75%): 74.4deg @(50%): 109.2deg

Imax=213.1cd (C=0.0deg,G=1.0deg)

C0-180Plane Imax= 213.1cd(G=1.0deg)

C0-180Plane I0= 212.6cd

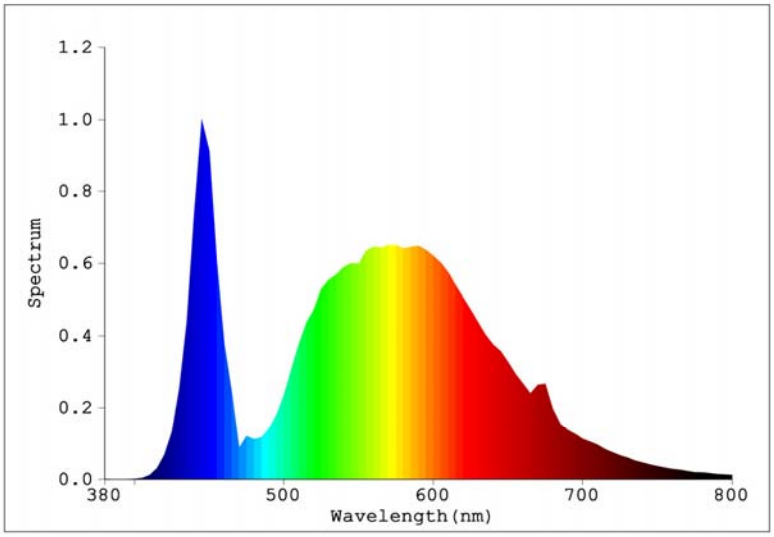
Average Illuminance Figure

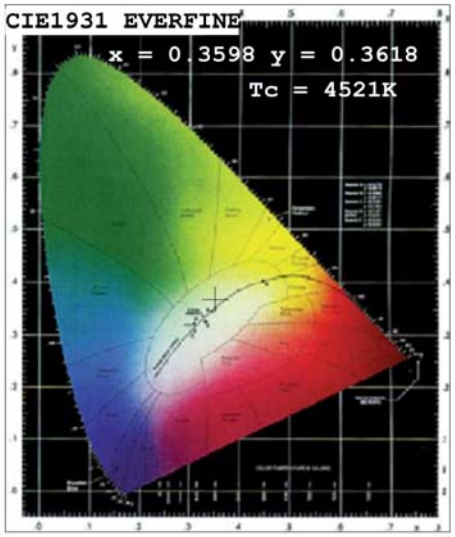


EVERFINE 远方

Spectrophotocolorimeter Test Report 1 Of 1

Light Source Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3598(dx=-0.0002) y=0.3618(dy=-0.0013)
Chromaticity Coordinate:u'=0.2174 v'=0.4917(duv=-5.30e-04)
Tc=4521K Dominant WL:Ld=577.2nm Purity=16.5% Centroid WL:564.0nm
Ratio:R=17.5% G=80.0% B=2.5% Peak WL:Lp=445.0nm HWL:21.3nm
Render Index:Ra=75.6

R1 =75	R2 =79	R3 =82	R4 =77	R5 =74	R6 =71	R7 =83	
R8 =64	R9 =-3	R10=50	R11=75	R12=46	R13=75	R14=90	R15=71

Photo Parameters:

Flux:1000.82 lm Fe: 1.7739 W Efficacy:70.98 lm/W
WHITE:ANSI_4500K

Electrical Parameters:

Lamp : U=220.0V I=0.06500A P=14.10W PF=0.9840

Instrument Status:
Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=39047(G=4,D=51)
REF=21912(R=3) %=-0.133% PMT: 17.1 centigrade [150.0]

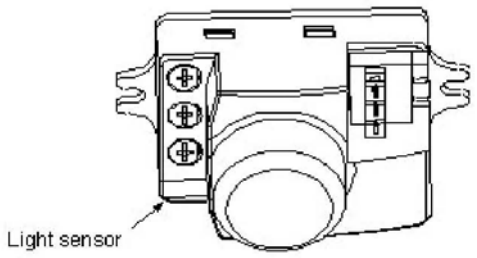
Product Type:LIGHT
Number:N-00001
Temperature:25.3 deg
Test Operator:DAMIN
Software:V2.00.122

Manufacturer:EVERFINE
Test Department:EVERFINE
Humidity:65.0%
Test Date:2013-11-12 12:26:27
Instrument:PMS-80_V1 (SN:YG107113N12010032)

Instruction of Microwave sensor

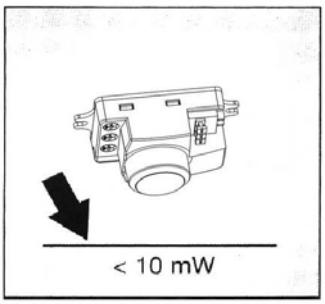
Microwave sensor MR-M360C instruction

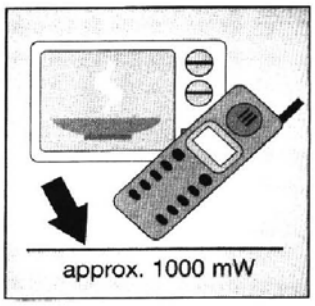
The sensor is an active motion detector, it emits high-frequency electro-magnetic wave （5.8GHz）and receives their echo. The sensor detects the change in echo from even the slightest movement in its detection zone. A microprocessor then triggers the "switch light ON" command. Detection is possible through doors, panes of glass or thin walls.



Important: persons or objects moving towards the sensor are detected best!

NOTE: the high-frequency output of this sensor is <10Mw- that is just one 100th of the transmission power of a mobile phone or the output of a microwave oven.

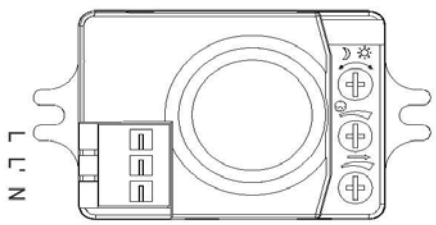




Technical specifications

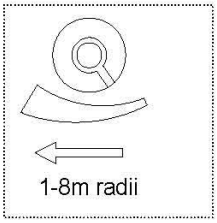
power supply ： 220-240VAC ☐00-130VAC ☐
power frequency ： 50/60Hz
Installation sit： Indoors, ceiling mounting
HF system： 5.8GHz CW radar，ISM band
transmission power：<10mW
Rated load: 1200W (220-240VAC)
600W (100-130VAC)
detection angle：360°
reach:1-10m（radii.）, adjustable
time setting：8sec to 12min
light control：10~2000LUX
power consumption：approx.0.9W

Connection illumination



Connect N, L with power;
Connect N, L' with load.

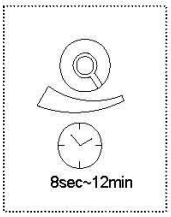
Reach setting (sensitivity)



Reach is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2.5m, turn the reach control fully anticlockwise to select minimum reach (approx.1 m radii), and fully clockwise to select maximum reach (approx. 8m radii).

NOTE: the above detection distance is gained in the case of a person who is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection distance will also change.

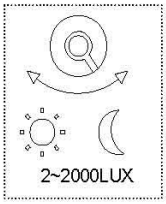
Time setting



The light can be set to stay ON for any period of time between approx. 8sec (turn fully anti-clockwise) and a maximum of 12min (turn fully clockwise). Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.

NOTE: after the light switches OFF, it takes approx. 1sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Light-control setting



The chosen light response threshold can be infinitely from approx. 2-2000lux. Turn it fully anti-clockwise to select dusk- to-dawn operation at about 10 lux. Turn it fully clockwise to select daylight operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight.

Troubleshooting

Malfunction	Cause	Remedy
The load will not work	• wrong light-control setting selected	• Adjust setting
	• load faulty	• Change load
	• mains switch OFF	• Switch ON
The load work always	• continuous movement in the detection zone	• check zone setting
The load work without any identifiable movement	• the sensor not mounted for detecting movement reliably	• securely mount enclosure
	• movement occurred, but not identified by the sensor(movement behind wall, movement of a small object in immediate lamp vicinity etc.)	• Check zone setting
The load will not work despite movement	• rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	• Check zone setting