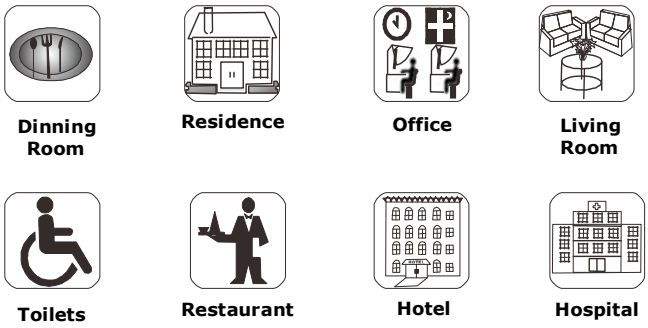
LED EMBEDED ROUND PANEL LAMPS
PRODUCT SERIES DATASHEET

LED Round Panel Lamps

88Light LED Round Panel lamps are ideal for Home Lighting, Commercial Lighting and Public Lighting.
Independent external driver for easily service.
Side and vertical emitting light is softer than LED down light.
This product is CE, RoHS, FCC approved.

Applications:



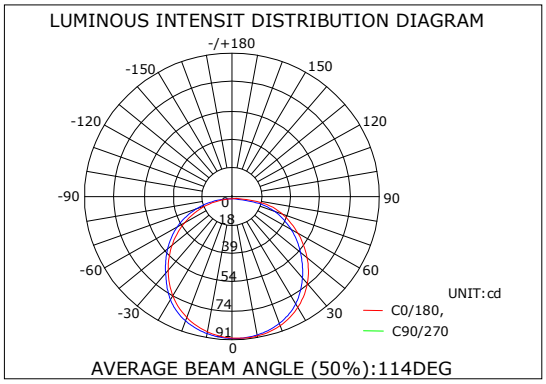
PRODUCT FEATURES

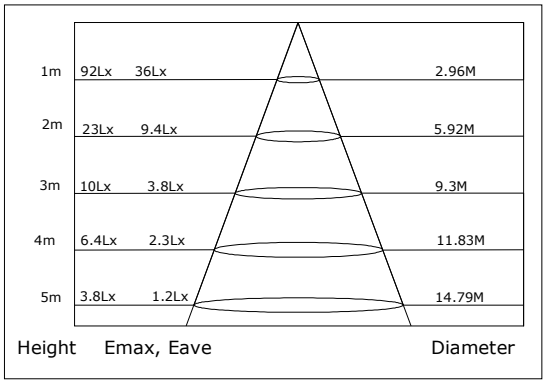
- Super slim and efficient design, 10mm thickness.
- Lighting comes all around into light guide panel make the light more uniform.
- Aluminum housing. Aluminum alloy housing for excellent heat dissipation.
- High quality LED chip integration provides a higher anti-static resistant and brightness distribution.
- Isolated driver reaches power factors PF≥ 90%, and >85% driver efficiency.
- The driver can work under unstable voltage with new inner high efficient heat protection system.
- Independent external driver and the driver can be maintained easily without replacing the entire product.
- Long Service Life.
- CE for EMC and LVD approved and RoHS compliant.

ILLUMINANCE DIAGRAM

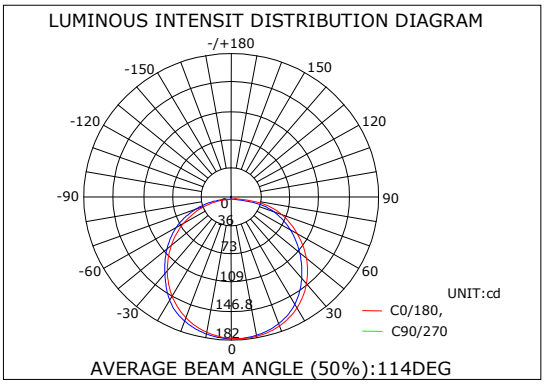
Product Luminance:

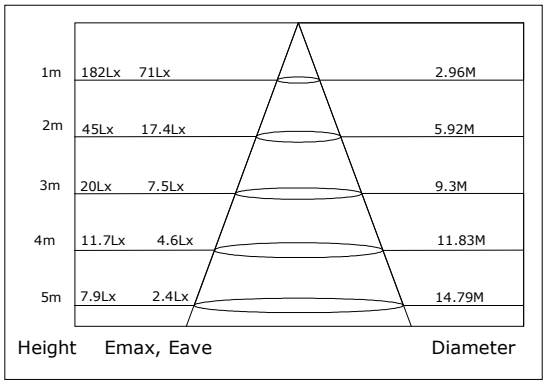
3 Watts



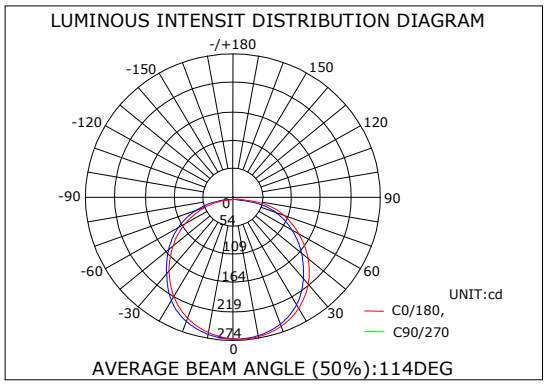


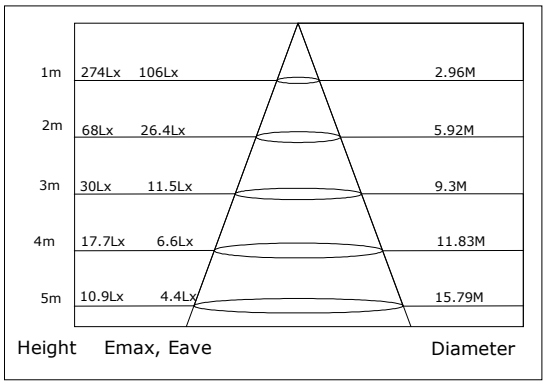
6 Watts





9 Watts

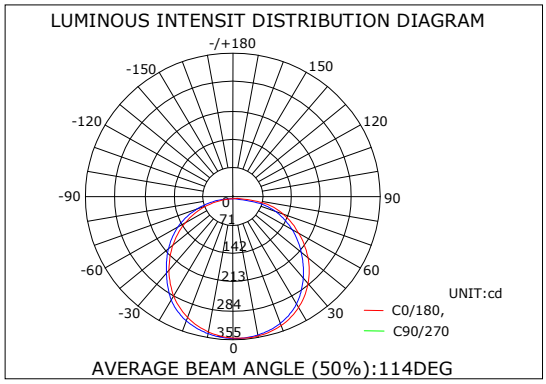


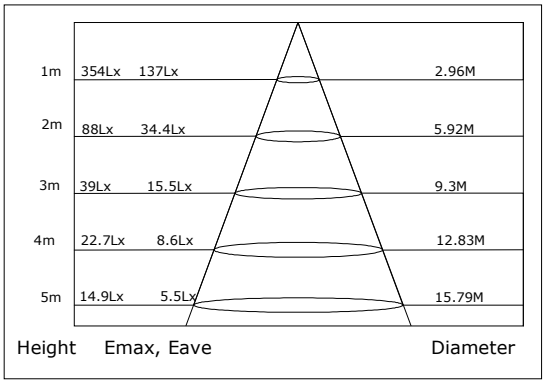


ILLUMINANCE DIAGRAM

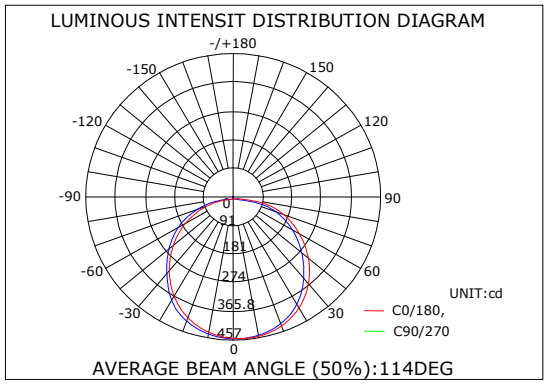
Product Luminance:

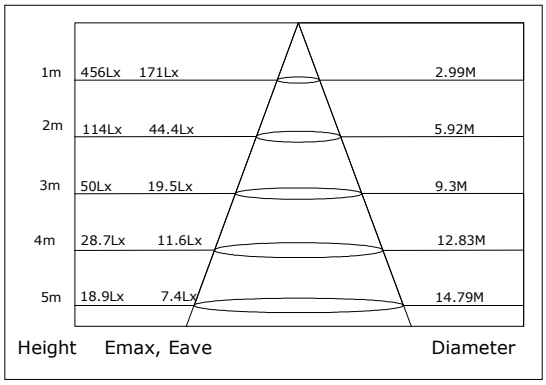
12 Watts



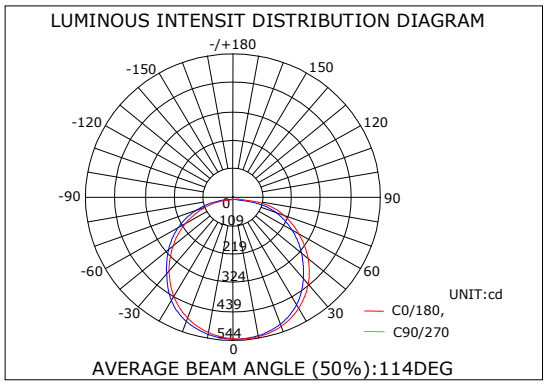


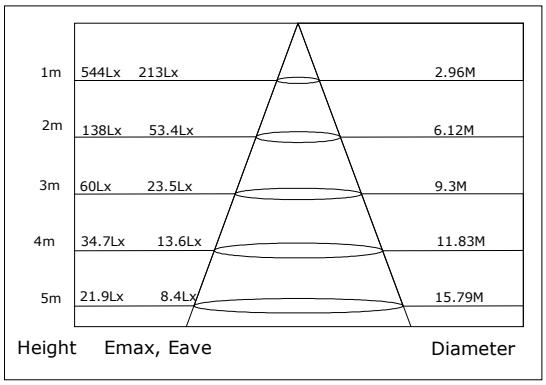
15 Watts





18 Watts

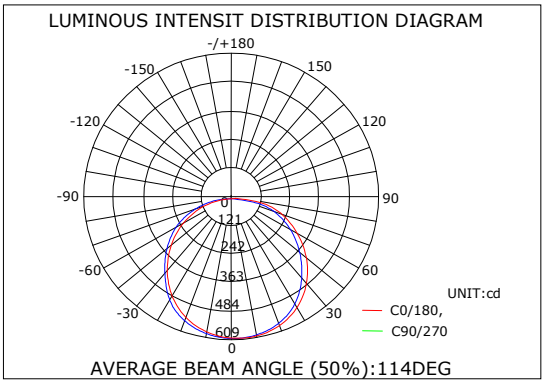


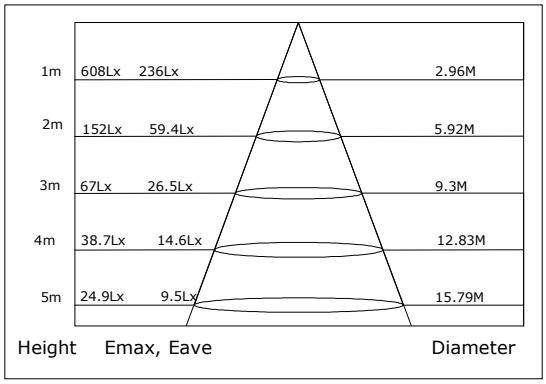


ILLUMINANCE DIAGRAM

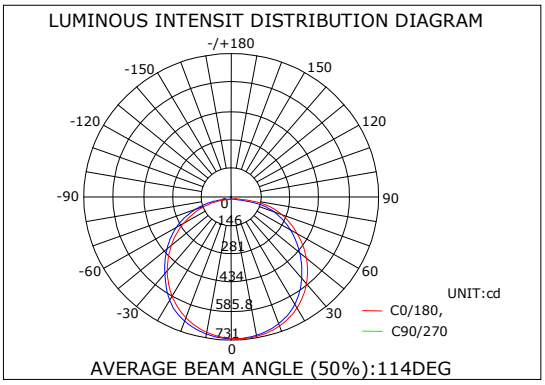
Product Luminance:

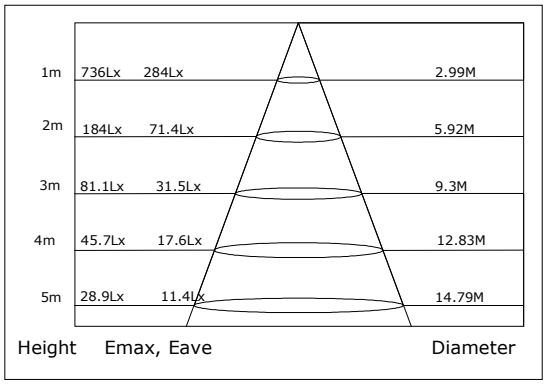
20 Watts



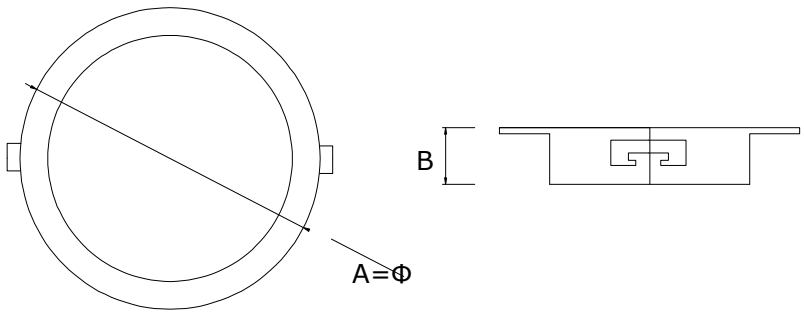


24 Watts





PRODUCT DIAGRAM



PRODUCT DIAGRAM

Product Name	A[1]	B[2]	Hole size
88L-PN-3W-R120	Φ85mm	22mm	Φ77mm
88L-PN-6W-R120	Φ120mm	22mm	Φ110mm
88L-PN-9W-R150	Φ146mm	22mm	Φ137mm
88L-PN-12W-R170	Φ170mm	22mm	Φ155mm
88L-PN-15W-R200	Φ190mm	22mm	Φ180mm
88L-PN-18W-R220	Φ225mm	22mm	Φ210mm
88L-PN-20W-R240	Φ240mm	22mm	Φ225mm
88L-PN-24W-R300	Φ300mm	22mm	Φ285mm

Note 1: Tolerance of measurement of size intensity±1mm.
Note 2: The lamp body without clips thickness is 10mm.

TECHNICAL DATA

Electrical characteristics[1]:

Product Name	Input Voltage [Vac]	Fixture Color [2]	Power [W]	Power Factor	Cover	Dimmable [Y/N]	IP Grade
88L-PN-3W-R90	85~265	White	3	0.6	Frost	N	IP20
88L-PN-6W-R120	85~265	White	6	0.6	Frost	N	IP20
88L-PN-9W-R150	85~265	White	9	0.6	Frost	N	IP20
88L-PN-12W-R170	85~265	White	12	0.98	Frost	N	IP20
88L-PN-15W-R200	85~265	White	15	0.98	Frost	N	IP20
88L-PN-18W-R225	85~265	White	18	0.98	Frost	N	IP20
88L-PN-20W-R240	85~265	White	20	0.98	Frost	N	IP20
88L-PN-24W-R300	85~265	White	24	0.98	Frost	N	IP20

Note 3: Absolute ratings @ 25°C.
Note 4: Silver frame color available upon request

www.88Light.com

TECHNICAL DATA

Optical Characteristics[1]:

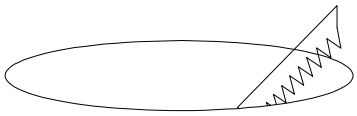
Product Name	Color	Color Temperature [°K]	Luminescence[3] [Lm]	CRI (Ra)	Beam Angle [°]
88L-PN-3W-R90-CW	Cool White	6000	270	>80	120
88L-PN-3W-R90-NW	Nature White	4000	260	>80	120
88L-PN-3W-R90-WW	Warm White	3000	255	>80	120
88L-PN-6W-R120-CW	Cool White	6000	540	>80	120
88L-PN-6W-R120-NW	Nature White	4000	530	>80	120
88L-PN-6W-R120-WW	Warm White	3000	510	>80	120
88L-PN-9W-R150-CW	Cool White	6000	810	>80	120
88L-PN-9W-R150-NW	Nature White	4000	790	>80	120
88L-PN-9W-R150-WW	Warm White	3000	760	>80	120
88L-PN-12W-R170-CW	Cool White	6000	1080	>80	120
88L-PN-12W-R170-CW	Nature White	4000	1050	>80	120
88L-PN-12W-R170-NW	Warm White	3000	1010	>80	120
88L-PN-15W-R200-CW	Cool White	6000	1350	>80	120
88L-PN-15W-R200-NW	Nature White	4000	1310	>80	120
88L-PN-15W-R200-WW	Warm White	3000	1260	>80	120
88L-PN-18W-R225-CW	Cool White	6000	1620	>80	120
88L-PN-18W-R225-NW	Nature White	4000	1580	>80	120
88L-PN-18W-R225-WW	Warm White	3000	1510	>80	120
88L-PN-20W-R240-CW	Cool White	6000	1800	>80	120
88L-PN-20W-R240-NW	Nature White	4000	1750	>80	120
88L-PN-20W-R240-WW	Warm White	3000	1680	>80	120
88L-PN-24W-R300-CW	Cool White	6000	2160	>80	120
88L-PN-24W-R300-NW	Nature White	4000	2100	>80	120
88L-PN-24W-R300-WW	Warm White	3000	2010	>80	120

Note 3: Absolute ratings @ 25°C,
Note 5: Tolerance of measurement of luminous intensity±10%.

PRODUCT INSTALLATION

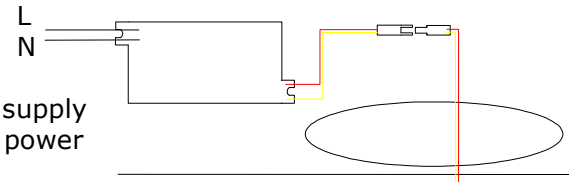
Precaution: Switch off power before doing any works.

Preparing for Installation:

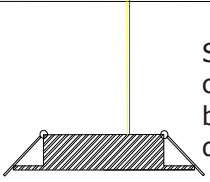


Step 1. Cut an open hole on the ceiling where the panel light will be installed.

Driver to mains connection:



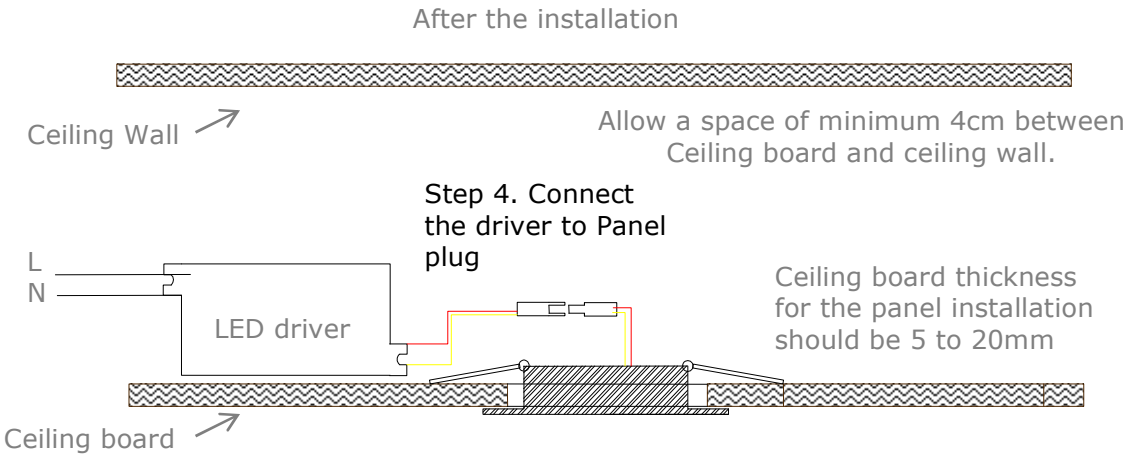
Step 2. Connect the power supply LED driver to the city main power supply



Step 3. Insert the Panel thru ceiling board opening and hold it by using he 2 clips as in below drawing.

PRODUCT INSTALLATION

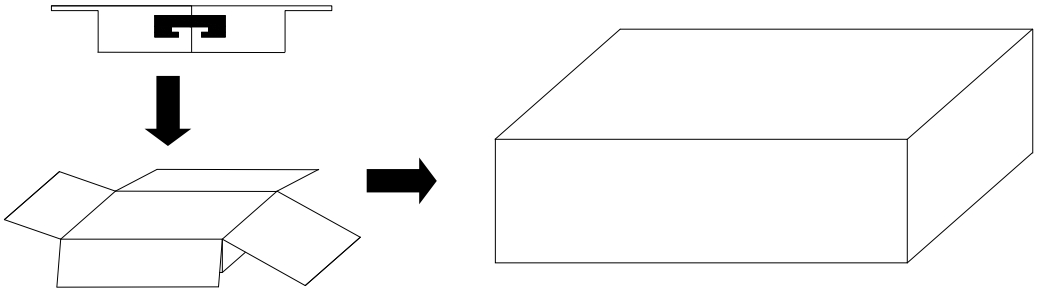
Product fixing and power connection



SAFETY

1. **Always** consult a qualified, licensed electrician prior to the installation of this product.
2. **Always** ensure that all components are joined properly before they are installed.
3. Switch off power of the mains supply or respectively of the connection lead before doing any works.
4. Please read the User's Manual Carefully before using.
5. Please reserve the User's Manual for future reference.
6. Please install the product according to the location of cable and room.
7. Please take care of **Fire, Electric Shock** and **Spill**.
8. Please do not turn on high voltage power before using, and ensure the lamp earthling.
9. Any non-professionals are not allowed to disassemble the lamp.
10. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.
11. Indoor use only.

PACKING [6]:



Product Name	Outer Carton Size (L×W×H)[mm]	Unit Weight [g]	Qty/Carton [pcs	Gross Weight [Kg]
88L-PN-3W-R90	350x290x400	77+27	60	7.0
88L-PN-6W-R120	350x300x358	111+27	40	7.5
88L-PN-9W-R150	360x350x412	200+27	40	9.9
88L-PN-12W-R170	550x480x190	185+37	20	7.9
88L-PN-15W-R200	510x510x265	312+37	20	10.3
88L-PN-18W-R225	545x275x375	463+37	20	10.8
88L-PN-20W-R240	510x510x265	608+37	20	13.7
88L-PN-24W-R300	655x370x330	693+37	20	15.5

Note 6: the package information is only for reference

OTHER 88Light PRODUCTS:

For more information about 88Light products, or to use our online energy saving calculation software please visit our website

www.88Llight.com

DISCLAIMER:

88Light reserves the right to modify the design of our products as part of the company's program of continuous improvement. 88Light cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.