

1. Product dimension:



2. Key features

Consumes only 5W to replace 35W halogen or incandescent lighting Complete range with CRI over 83 High lumen efficiency of 66-80lm/W Featured in Fully dimmable Retrofit into vast majority of MR16 shape fixtures Available in accurate beam angles of 15°, 25° and 40° Outstanding thermal solution allows for usage in commercial application Reliable 30,000 hours lifetime UL Listed and Manufactured under ISO 9001 : 2008

LED Accent lighting use advanced LED technology providing:

More energy efficiency than traditional lighting

No UV rays (best choice for picture or product display light,

UV-free light will avoid color change or damage of displayed products or photos)

Environmental, reduce CO2 release, slow down greenhouse effect/micro-mercury used; Instant on

Cost saving compared to traditional lighting:

Longer life* reduces maintenance cost (More than 10th than average life of halogen)

High efficiency reduces electricity cost

Significantly less generated heat reduces air conditioning requirements

3. Specification

MR16	GU10 Base
Input Voltage: AC /DC12V	Input Voltage: AC 110/240V
Input Power: 5.0W	Input Power: 5.0W
Beam Angle: 15/ 30/45Deg	Beam Angle: 15/ 30/45Deg
Reflector Efficiency: 96%	Reflector Efficiency: 96%
Light Source: SHARP LED	Light Source: SHARP LED
LED input current: 3 x 400mA	LED input current: 3 x 400mA
Body temperature: <60°	Body temperature: <60°
Color: cool white, warm white	Color: cool white, warm white
No UV or IR radiation	No UV or IR radiation
Safety assurance: CE & RoHS	Safety assurance: CE & RoHS
Packing: 100PCS/0.035CBM/6.0KGS	Packing: 100PCS/0.035CBM/6.5KGS

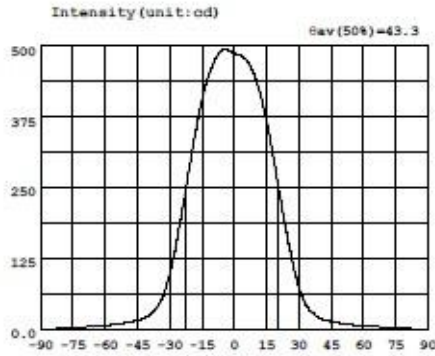
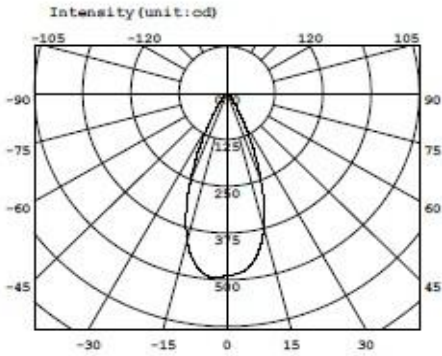
- 2. Rated average life based on engineering testing and probability analysis
- 3. Lifetime test consistent with LESNA LM80 lumen maintenance procedure

4. Technical information

Warm white:



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Intensity data: (deg , cd) C0-180

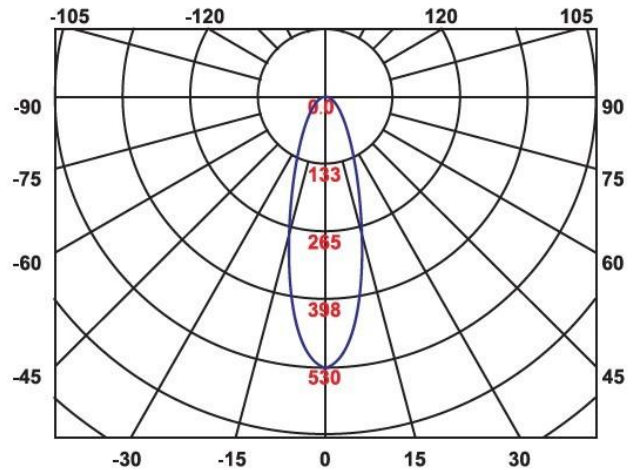
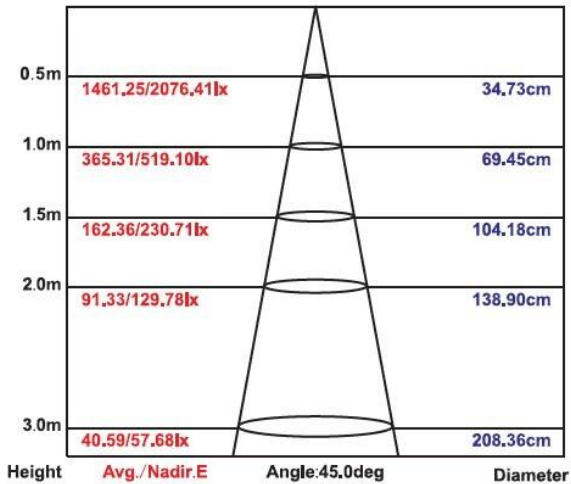
A	I	A	I	A	I	A	I	A	I	A	I
-90.0	0.0269	-58.5	7.806	-27.0	149.5	4.5	480.6	36.0	30.59	67.5	4.495
-88.5	0.0809	-57.0	8.404	-25.5	180.3	6.0	474.7	37.5	25.56	69.0	4.085
-87.0	0.1900	-55.5	9.024	-24.0	213.0	7.5	464.9	39.0	21.89	70.5	3.685
-85.5	0.4061	-54.0	9.677	-22.5	247.1	9.0	452.1	40.5	19.16	72.0	3.259
-84.0	0.6752	-52.5	10.41	-21.0	281.9	10.5	436.7	42.0	17.06	73.5	2.881
-82.5	0.9459	-51.0	11.22	-19.5	316.3	12.0	418.4	43.5	15.25	75.0	2.498
-81.0	1.269	-49.5	12.15	-18.0	347.9	13.5	395.8	45.0	13.79	76.5	2.121
-79.5	1.593	-48.0	13.21	-16.5	377.7	15.0	369.9	46.5	12.55	78.0	1.793
-78.0	1.945	-46.5	14.49	-15.0	404.8	16.5	340.7	48.0	11.50	79.5	1.446
-76.5	2.321	-45.0	16.00	-13.5	428.5	18.0	309.2	49.5	10.60	81.0	1.145
-75.0	2.701	-43.5	17.87	-12.0	447.5	19.5	276.2	51.0	9.858	82.5	0.8451
-73.5	3.107	-42.0	20.17	-10.5	462.6	21.0	242.9	52.5	9.176	84.0	0.5754
-72.0	3.539	-40.5	23.03	-9.0	475.6	22.5	209.8	54.0	8.582	85.5	0.3359
-70.5	3.971	-39.0	26.67	-7.5	485.9	24.0	178.3	55.5	8.035	87.0	0.1497
-69.0	4.430	-37.5	31.48	-6.0	492.1	25.5	148.2	57.0	7.503	88.5	0.0595
-67.5	4.864	-36.0	38.02	-4.5	494.0	27.0	120.7	58.5	7.037	90.0	0.0
-66.0	5.344	-34.5	47.18	-3.0	493.3	28.5	96.32	60.0	6.578		
-64.5	5.802	-33.0	59.89	-1.5	491.3	30.0	75.68	61.5	6.140		
-63.0	6.264	-31.5	76.36	0.0	488.8	31.5	59.14	63.0	5.709		
-61.5	6.750	-30.0	96.84	1.5	486.6	33.0	46.64	64.5	5.304		
-60.0	7.239	-28.5	121.6	3.0	483.9	34.5	37.28	66.0	4.894		

Electricity Parameter:

Current I: 0.0A Power: 0.0W
 Voltage V: 0.0V PF: 0.000

Optical Parameter (Distance=3.516m) :

Diffuse angle: @ (25%) : 55.1deg @ (50%) : 43.3deg @ (75%) : 31.7deg @ (50%) : 43.3deg
 Diffuse angle: @ (25%) : 55.3deg @ (50%) : 43.5deg @ (75%) : 32.1deg @ (50%) : 43.5deg
 Imax=494.0cd (C=0.0deg, G=-4.5deg) C0-180Plane Imax= 494.0cd (G=-4.5deg)
 C0-180Plane I0= 488.8cd



5. Application information

Environmental friendly - No mercury or Lead 80% energy saving compared to halogen lamps Maintenance free operation, last up to 20 times longer than conventional lamps Suitable for accent and general lighting (e.g. Lobby , Shops and Reception areas)

LED Accent lighting use advanced LED technology providing:

Replacement halogen spotlights for accent lighting, especially where UV or IR radiation is undesirable.

Showcase lighting for bars, offices, shopping mall, museums, art galleries, cosmetic counters, restaurants. hotel, shop, exhibition house, etc..

Residential lighting for bedroom, drawing room, study house, kitchen, etc.



6. Package & Certification

CE, ROHS, 3year warranty

7. Caution

- Turn power off before inspection, installation, or removal.
- Risk of Electric Shock – Do not use where directly exposed to water or weather.
- Suitable for damp locations.

- Suitable for use in open luminaires (fixtures).

- Do not use in enclosed fixtures.

- Do not open – no user serviceable parts inside.

Do not install lights in a closed, moist, polluted environment

Used indoor only, the lamp is not water proof.

Don't touch it directly when it the light is on

It's better to use in good air circulation environment.

It's not allowed to be used in corrosive environment.

Working place temperature should be within -20-45°C.

And environment humidity should be less than 80%.

- This device is not intended for use with emergency exit fixtures or emergency exit lights.

- This device complies with Part 15 of the FCC rules and has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation.