



QM lighting

QM-07009

G60 5x1W



Add: 3F, HuShanRoad, No. 13, Daguangkan Industrial Zone, Bantian, LonggangDistrict, Shenzhen,

Guangdong, China

Tel: 86-755-84714721 Fax: 86-755-84714707

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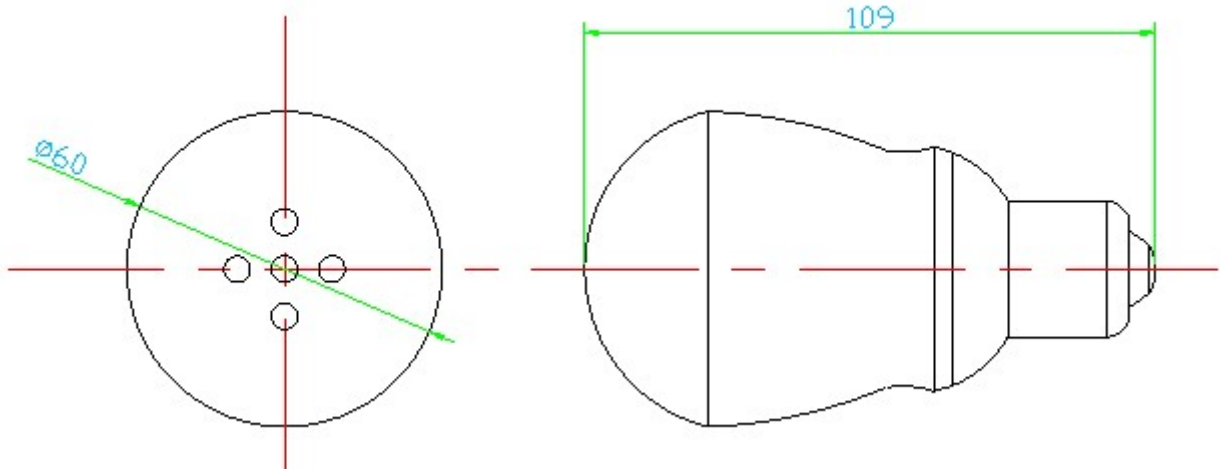
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Dimensions



Unit: mm

Tolerance: ±2.5 mm

Specifications

- BULB TYPE: G60 5X1W
- BASE TYPE: E26/E27
- INPUT VOLTAGE: AC85-260V with reversed polarity protect
- INPUT POWER: 6.5W
- OUTPUT POWER: 5W
- TOTAL LENGTH: 109mm
- BEAM ANGLE: 120degrees
- REFLECTOR EFFICIENCY: 85%
- LIGHT SOURCE: 5X1W high power LED
- LED OUTPUT CURRENT: 320mA
- BODY TEMPERATURE: <55°C
- LED WORKING TEMPERATURE: -20°C ~ 50°C
- FULL RANGE OF COLORS: cool white, warm white, blue, green ,red,yellow ,RGB
- NET WEIGHT: 140g
- ALUMINIUM HOUSING
- NO UV OR IR RADIATION
- SAFETY ASSURANCE: CE&RoHS

Illuminance and Beam Angles

part no.	LED Brand	Color	wavelength/CCT (nm/K)	Luminous Flux (LM)	Power	Color-rendering index	Light Effect (lm/W)
QM-07012-001	Cree	cool white	5000-7000K	367.4	6.3	70 ~ 75	58.6
QM-07012-002		Nature white	3500-5000K	314.8	6.6	80 ~ 85	47.8
QM-07012-003		warm white	2700-3500K	314.8	6.6	80 ~ 85	47.8

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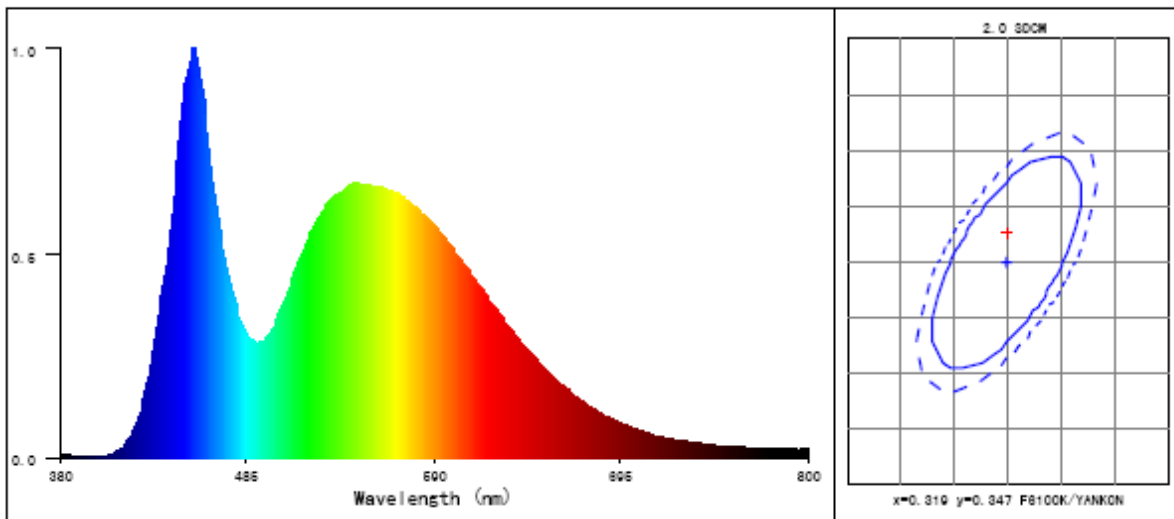
QM lighting

cool white

CIE Parameter:

Coordinate: $x=0.3188, y=0.3498$ CCT: $T_c=6102$ K Purity=4.5%
 $u=0.1944, v=0.3199$ Main Wave=507.3nm Peak Wave=455.0nm
 Half Width=30.5nm Red Ratio=13.4% Chromatism SDCM=2.0
 Color rendering property : $R_a=75.9$

R1=71	R2=82	R3=88	R4=72	R5=72
R6=75	R7=86	R8=61	R9=-23	R10=56
R11=68	R12=47	R13=74	R14=93	R15=66



Other parameters:

Flux: $\Phi=367.4$ Lm Efficiency: $Eff_i=58.6$ Lm/W Stability: $\%=-2.7$ % THD= 0.0%
 Voltage: $U=220.4$ V Current: $I=0.068$ A Power: $P=6.3$ W Power factor: $PF=0.419$

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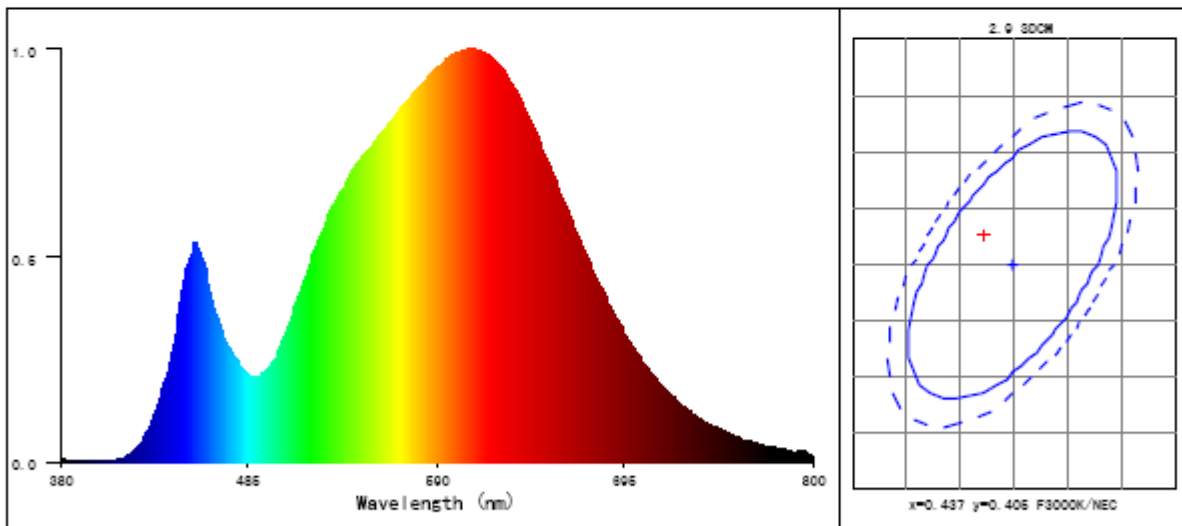


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warm white

CIE Parameter:

Coordinate: $x=0.4341, y=0.4077$	CCT: $T_c=3077\text{ K}$	Purity=52.7%		
$u=0.2472, v=0.3483$	Main Wave=581.9nm	Peak Wave=610.0nm		
Half Width=152.5nm	Red Ratio=24.0%	Chromatism SDCM=2.9		
Color rendering property :Ra=83.3				
R1=82	R2=89	R3=93	R4=81	R5=80
R6=83	R7=89	R8=69	R9=27	R10=71
R11=76	R12=59	R13=83	R14=95	R15=77



Other parameters:

Flux: $\Phi=314.8\text{ Lm}$	Efficiency: $\text{Effi}=47.8\text{ Lm/W}$	Stability: $\%=0.8\%$	THD= 0.0%
Voltage: $U=220.4\text{ V}$	Current: $I=0.067\text{ A}$	Power: $P=6.6\text{ W}$	Power factor: $\text{PF}=0.446$

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180° cool white

Photometric Results

Lumens

Angle of maximum intensity: C: 190.0 G: 9.0

Efficiency

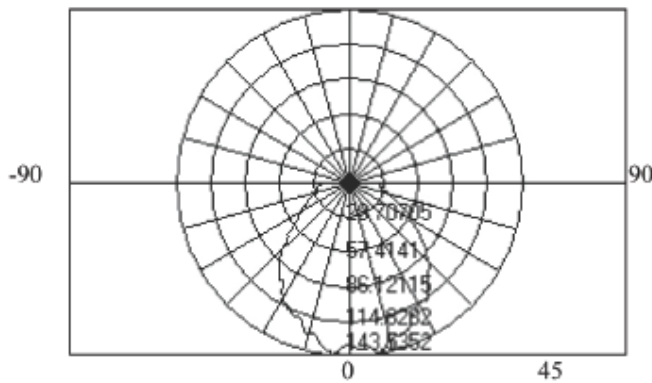
Half Peak Side Left: -50.4 Right: 47.7

Central Intensity: 131.500 cd

Beam Angle(10%): Left: -90.0 Right: 90.0

Maximum Intensity: 143.500 cd

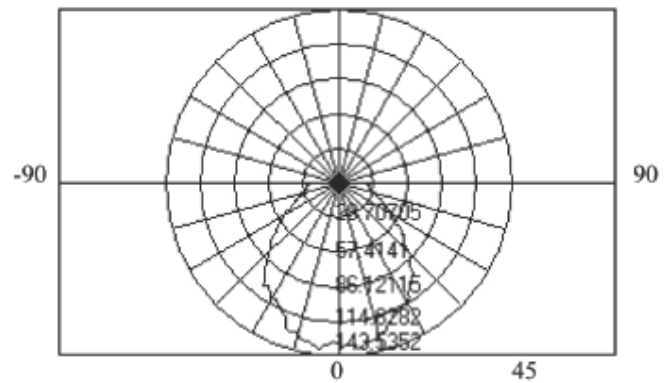
Light Distribution Curve C0/C180



H[m]	Diameter[m]	Illuminance[lx]
0.60	1.43	371.0
1.20	2.86	92.7
1.80	4.28	41.2
2.40	5.71	23.2
3.00	7.14	14.8

Half peak angle: 2 x 50.0°@ C0-C180

Light Distribution Curve C90/C270



H[m]	Diameter[m]	Illuminance[lx]
0.60	1.43	371.0
1.20	2.86	92.7
1.80	4.28	41.2
2.40	5.71	23.2
3.00	7.14	14.8

Half peak angle: 2 x 50.0°@ C90-C270

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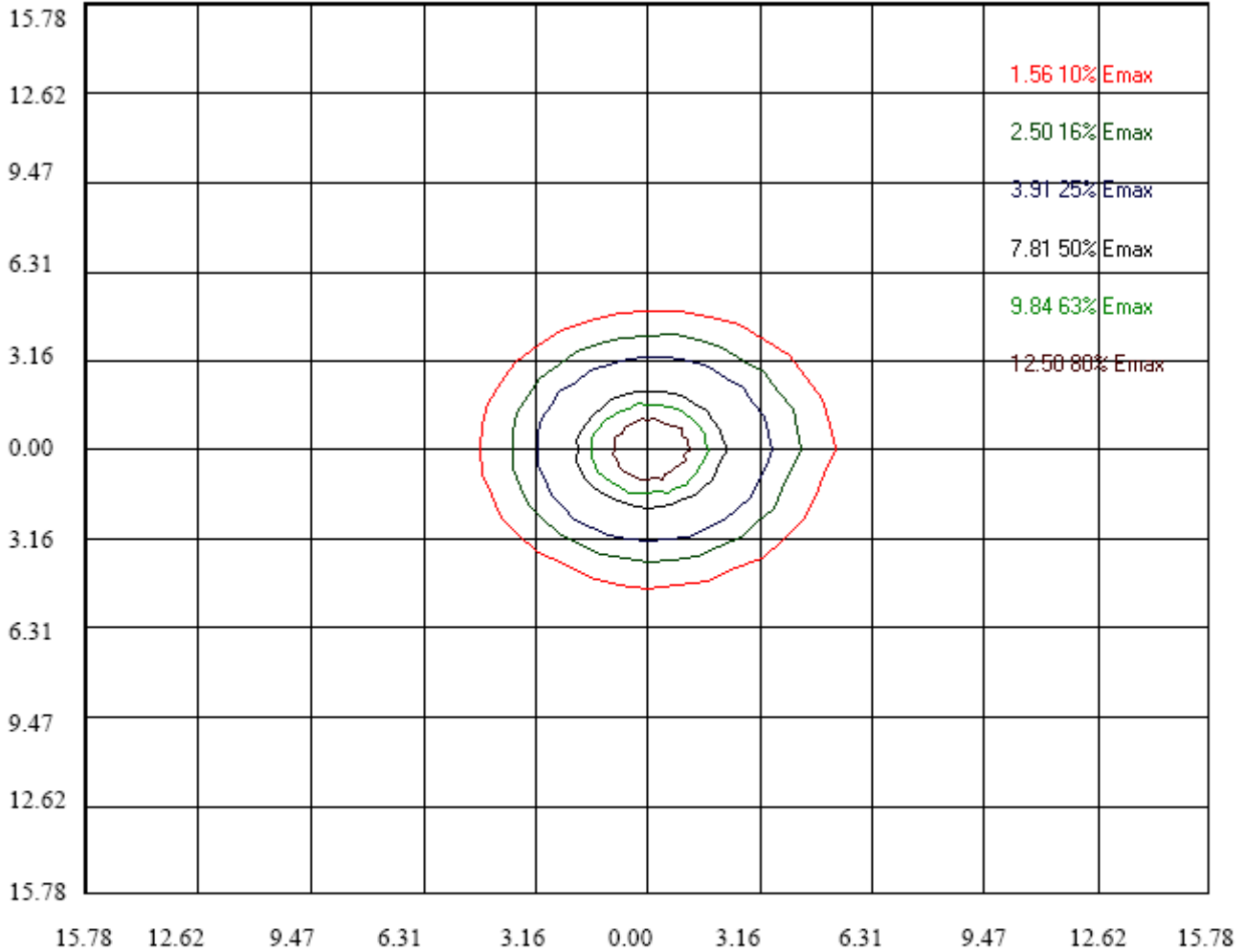
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Illumination map

Iso-Lux[lx]



Height: 3 m

Max Illuminance: 15.624 lx

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QM lighting

180° warm white

Photometric Results

Lumens

Angle of maximum intensity: C: 20.0 G: 7.2

Efficiency

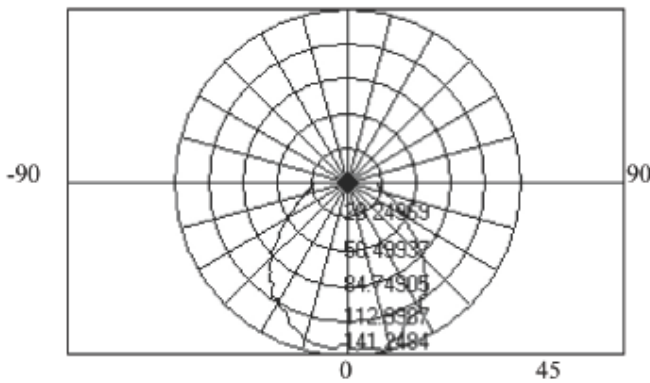
Half Peak Side Left: -51.3 Right: 51.3

Central Intensity: 132.000 cd

Beam Angle(10%): Left: -90.0 Right: 90.0

Maximum Intensity: 141.200 cd

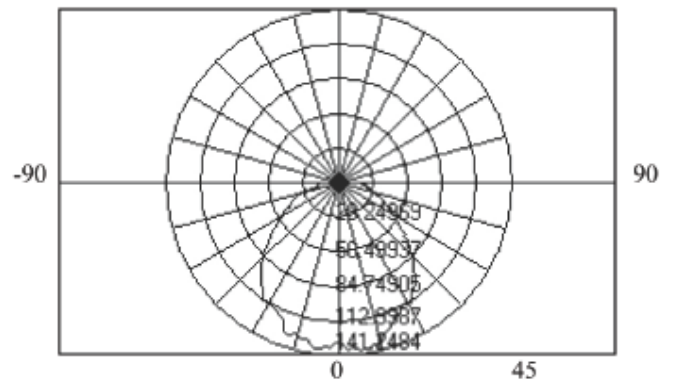
Light Distribution Curve C0/C180



H[m]	Diameter[m]	Illuminance[lx]
0.60	1.55	367.5
1.20	3.09	91.9
1.80	4.64	40.8
2.40	6.19	23.0
3.00	7.74	14.7

Half peak angle: 2 x 52.2° C0-C180

Light Distribution Curve C90/C270



H[m]	Diameter[m]	Illuminance[lx]
0.60	1.55	363.6
1.20	3.09	90.9
1.80	4.64	40.4
2.40	6.19	22.7
3.00	7.74	14.5

Half peak angle: 2 x 52.2° C90-C270

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