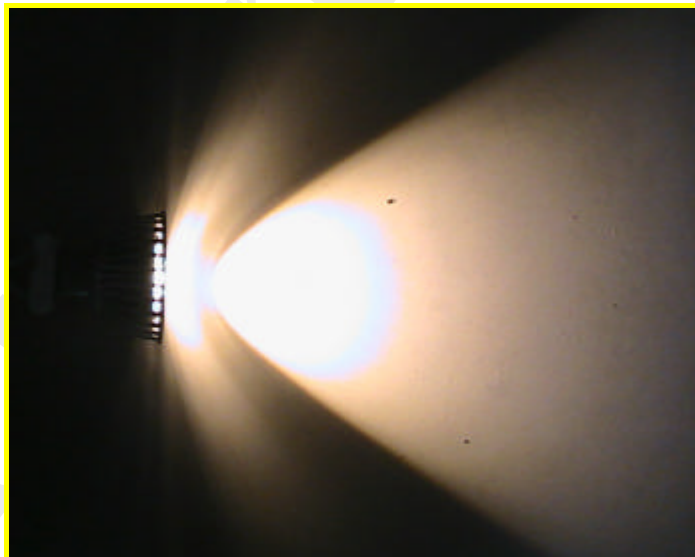




SPECIFICATION



P/N: LCP-MR16-5XXW-45-S



光圓科技股份有限公司

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高品質的 LED 照明產品就在光圓科技===== LC p rovides high quality LED Lighting products



5W MR16 LED LIGHT SPECIFICATION **Unique LEDs Inside**

MECHANICAL SPEC

Housing	Aluminum;PC
Base type	GX5.3 Compatible base
Outer Dimension	49mm × 38mm
Housing Color	Silver
Weight	46gs

ELECTRICAL SPEC

Power Requirement	12V AC(20K~100KHz) Electrical AC Power
Power Consumption	Maximum 5W
Transformer spec	Low-Voltage Magnetic or Electronic to provide 12V AC

ENVIRONMENTAL SPEC

Operating Temperature	-20 ~ 40
Storage Temperature	-40 ~ 80
Humidity	0~90% non condensed
Body Temperature ¹	65
MTBF ²	>20,000hr

OPTICAL SPEC

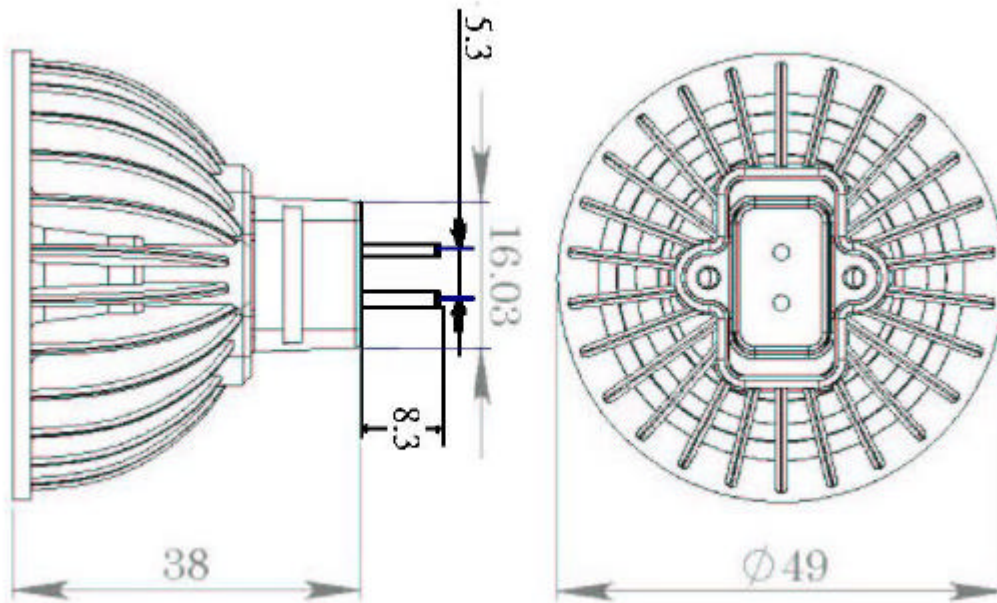
Beam Angle	Flood Light 45±3°
Color Temperature And P/N	Warm White(2800K)->P/N: LCP-MR16-5WW-45-S Cold White (5000K) ->P/N: LCP-MR16-5CW-45-S Sun White(6500K, High Colour Rendering) ->P/N: LCP-MR16-5HSW-45-S
CRI	>75 Max: 95 (CP-MR16-5HSW-45-S)

¹ Traditional MR16 surface temperature is higher than 130 °C.

² MTBF (Mean Time Between Failure) will effect by transformer.



DIMENSION



OPTICAL PERFORMANCE

(1) Beam Angle: 45 °

(2) Luminous Flux (LED) : Typ: 200lm(2800K Warm White and 6500K, High Colour Rendering Sun White), Typ: 280lm (5000K Cold White)

(3) Illuminance Distribution:

[LCP-MR16-5CW-45-S at 300mm ht](#)



The test sample was positioned perpendicular to horizontal surface, the measurements were taken on every 100mm×100mm spot. The total area is 1000mm*1000mm.

			163	890	900	131			
			1230	2280	2270	1220			
			1230	2280	2270	1220			
			163	890	900	131			

Unit: Lux



LCP-MR16-5WW-45-S at 1000mm ht

13	28	48	65	74	76	68	62	34	14
42	70	92	103	108	110	105	94	77	44
74	99	124	140	147	146	138	122	95	73
93	121	143	156	161	162	155	144	123	94
104	133	156	167	170	171	167	156	134	105
104	133	156	167	170	171	167	156	134	105
93	121	143	156	161	162	155	144	123	94
74	99	124	140	147	146	138	122	95	73
42	70	92	103	108	110	105	94	77	44
13	28	48	65	74	76	68	62	34	14

Unit: Lux

LCP-MR16-5HSW-45-S at 500mm ht

			49	243	318	315	231	60	
			245	427	541	549	433	241	
			348	560	643	645	561	355	
			348	560	643	645	561	355	
			245	427	541	549	433	241	
			49	243	318	315	231	60	

Unit: Lux

LCP-MR16-5HSW-45-S at 300mm ht

			350	790	780	340			
			850	1540	1530	847			
			850	1540	1530	847			
			350	790	780	340			

Unit: Lux

LCP-MR16-5HSW-45-S at 1000mm ht

14	36	61	73	80	79	73	63	39	14
44	75	93	105	112	115	106	93	77	44
76	101	125	139	145	146	140	123	99	75
94	120	140	153	161	161	156	146	124	98
103	129	150	164	171	172	169	156	134	104
103	129	150	164	171	172	169	156	134	104
94	120	140	153	161	161	156	146	124	98
76	101	125	139	145	146	140	123	99	75
44	75	93	105	112	115	106	93	77	44
14	36	61	73	80	79	73	63	39	14

Unit: Lux

The test sample was positioned perpendicular to horizontal surface, the measurements were taken on every 100mm×100mm spot. The total area is 1000mm*1000mm.



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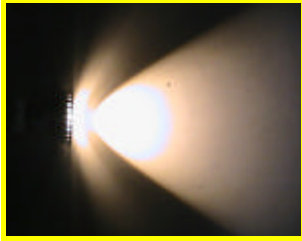
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OUTLINE



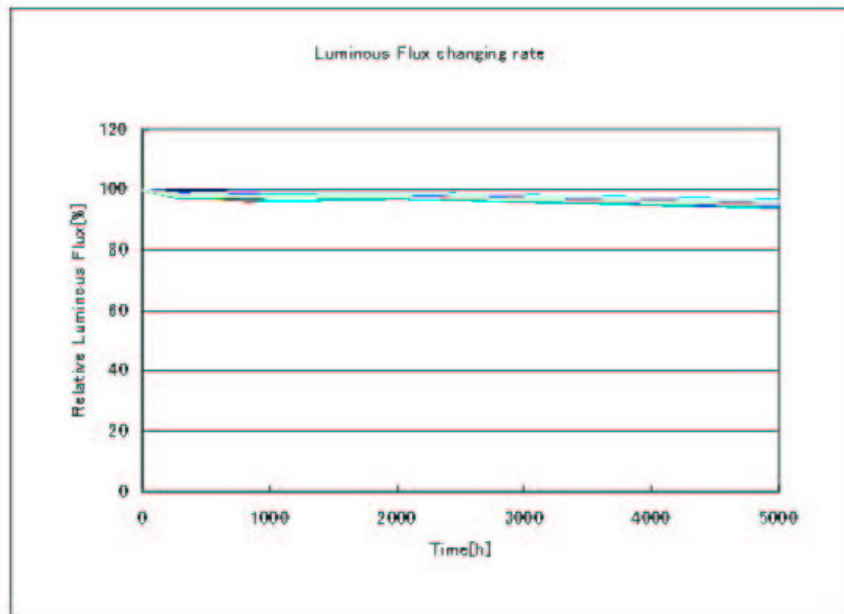
APPLICATIONS





LIFE CYCLE TEST RESULT

Luminous Flux



Important: Please contact our engineer to ensure installation and maintenance being properly executed to obtain maximum performance, efficiency and durability from the LED lighting product.

Disclaimer: While every care has been taken with the details on this specification sheet, we accept no responsibility for any inaccuracies and reserve the right to change these specifications without notice to always ensure that you are receiving a superior product.

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