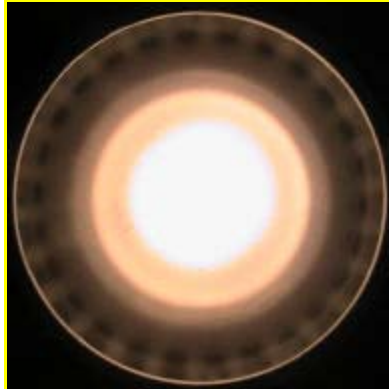




MR16 LED Light Specifications



P/N: DMXP-MR16-5XXW-120S



DMX Technologies



DMX MR16 LED Lights – High Power LED 5W

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

MECHANICAL SPECS

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

ELECTRICAL SPECS

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 SPECS

Operating Temperature	-20 ~ 40°C
Storage Temperature	-40 ~ 80°C
Humidity	0~90% non condensed
Body Temperature¹	85°C
MTBF²	> 20,000hr

OPTICAL SPECS

Beam Angle	Flood Light 120±3°
Color Temperature	Warm White (2800K) ->P/N: DMXP-MR16-5WW-120S
And P/N	Cold White (5000K) ->P/N: DMXP-MR16-5CW-120S
	Sun White (6500K, High Colour Rendering)
	->P/N: DMXP-MR16-5HSW-120S
CRI	> 75
	Max: 95 (DMXP-MR16-5HSW-120S)

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

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

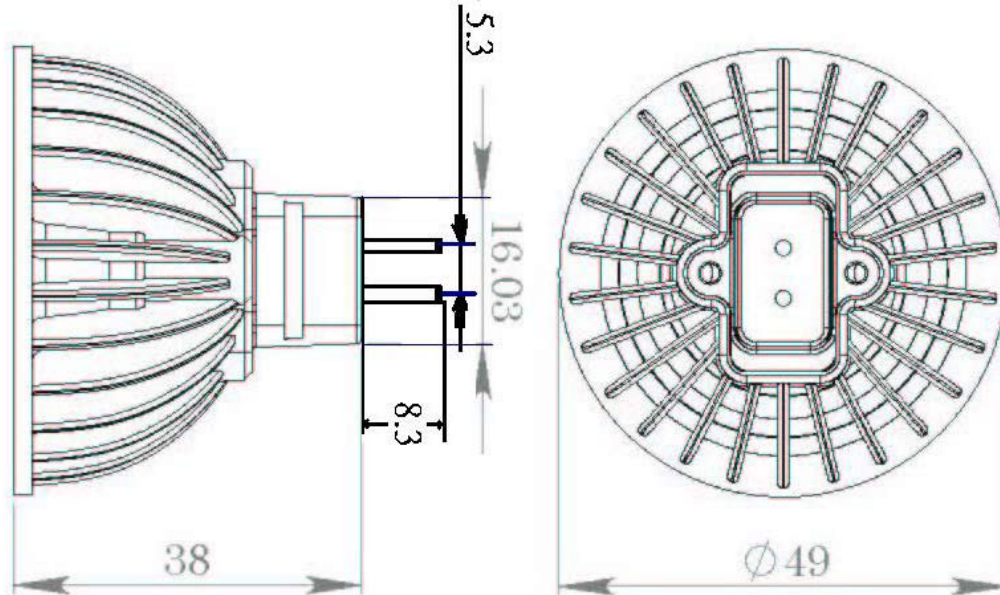
DMX LED Lights (DMX Technologies)

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DIMENSIONS



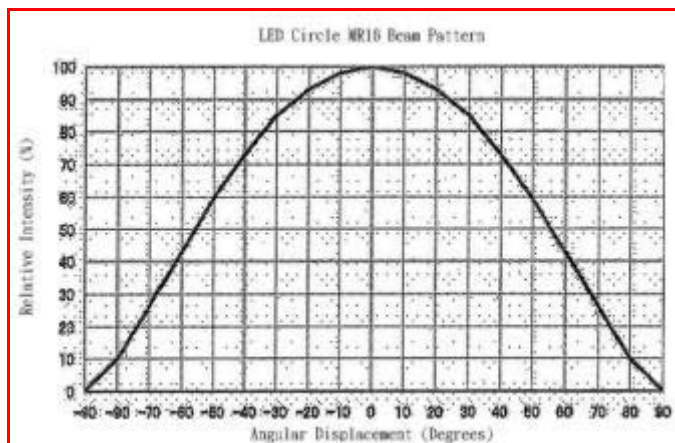
OPTICAL PERFORMANCE

(1) Beam Angle: 120°

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

(2) Illuminance Distribution:

DMX-MR16-5CW-120S at 300mm ht



30	40	46	56	69	70	57	44	38	30
38	52	79	106	125	128	102	76	54	38
51	76	131	201	256	258	205	130	76	48
60	87	168	330	473	477	328	164	83	63
60	118	240	459	656	658	457	244	116	63
60	118	240	459	656	658	457	244	116	63
60	87	138	330	473	477	328	164	83	63
51	76	131	201	256	258	205	130	76	48
38	52	79	106	125	128	102	76	54	38
30	40	46	56	69	70	57	44	38	30

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

Unit: Lux

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DMX MR16 LED Lights – High Power LED 5W

DMX-MR16-5CW-120S at 500mm ht

40	51	67	84	93	95	87	68	53	41
51	68	912	129	143	145	134	110	76	56
66	98	144	179	203	204	184	150	99	72
74	123	180	227	255	252	224	180	126	78
87	141	199	256	280	279	252	198	145	92
87	141	199	256	280	279	252	198	145	92
74	123	180	227	255	252	224	180	126	78
66	98	144	179	203	204	148	150	99	72
51	68	912	129	143	145	134	110	76	56
30	51	67	84	93	95	87	68	53	41

Unit: Lux

DMX-MR16-5WW-120S at 300mm ht

23	59	39	49	51	51	46	37	30	22
32	42	57	74	79	78	73	59	43	30
39	58	97	153	188	185	149	98	60	36
49	82	153	259	360	365	253	153	84	50
54	99	185	392	528	527	378	191	94	63
54	99	185	392	528	527	378	191	94	63
49	82	153	259	360	365	253	153	84	50
39	58	97	153	188	185	149	98	60	36
32	42	57	74	79	78	73	59	43	30
23	59	39	49	51	51	46	37	30	22

Unit: Lux

DMX-MR16-5CW-120S at 1000mm ht

40	45	49	52	53	52	50	48	46	40
44	50	55	57	60	61	59	57	53	47
48	54	60	63	66	66	64	61	56	49
51	59	64	69	70	71	69	64	58	51
54	62	68	72	74	74	73	68	63	55
54	62	68	72	74	74	73	68	63	55
51	59	64	69	70	71	69	64	58	51
48	54	60	63	66	66	64	61	56	49
44	50	55	57	60	61	59	57	53	47
40	45	49	52	53	52	50	48	46	40

Unit: Lux

DMX-MR16-5WW-120S at 500mm ht

27	35	50	56	67	66	54	50	34	28
37	51	71	89	101	100	91	75	54	38
51	74	108	137	151	152	140	111	73	51
57	90	134	170	189	188	168	135	90	58
64	102	151	192	210	211	196	158	105	66
64	102	151	192	210	211	196	158	105	66
57	90	134	170	189	188	168	135	90	58
51	74	108	137	151	152	140	111	73	51
37	51	71	89	101	100	91	75	54	38
27	35	50	56	67	66	54	50	34	28

Unit: Lux

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DMX MR16 LED Lights – High Power LED 5W

DMX-MR16-5WW-120S at 1000mm ht

32	36	38	40	43	43	41	39	35	31
35	39	43	46	47	48	47	44	40	35
37	43	47	50	51	51	50	47	43	38
41	45	49	52	55	54	53	50	46	41
41	46	52	54	56	57	55	52	47	42
41	46	52	54	56	57	55	52	47	42
41	45	49	52	55	54	53	50	46	41
37	43	47	50	51	51	50	47	43	38
35	39	43	46	47	48	47	44	40	35
32	36	38	40	43	43	41	39	35	31

Unit: Lux

DMX-MR16-5HSW-120S at 500mm ht

26	35	44	58	63	62	56	44	34	26
35	51	71	86	98	97	88	71	50	34
45	70	97	123	144	141	127	96	69	46
55	84	124	160	180	181	159	125	82	53
66	105	151	186	204	205	182	141	99	63
66	105	151	186	204	205	182	141	99	63
55	84	124	160	180	181	159	125	82	53
45	70	97	123	144	141	127	96	69	46
35	51	71	86	98	97	88	71	50	34
26	35	44	58	63	62	56	44	34	26

Unit: Lux

DMX-MR16-5HSW-120S at 300mm ht

24	32	44	58	68	67	60	47	33	24
30	49	72	105	135	136	101	71	47	29
43	65	117	211	270	272	206	120	67	42
50	90	170	318	423	424	314	178	92	49
50	99	216	399	556	559	390	220	101	50
50	99	216	399	556	559	390	220	101	50
50	90	170	318	423	424	314	178	92	49
43	65	117	211	270	272	206	120	67	42
30	49	72	105	135	136	101	71	47	29
24	32	44	58	68	67	60	47	33	24

Unit: Lux

DMX-MR16-5HSW-120S at 1000mm ht

31	35	39	41	43	43	42	40	36	32
35	39	43	46	47	47	46	43	39	36
39	43	48	51	53	53	51	48	44	40
41	47	52	54	56	56	55	52	47	41
43	48	51	55	58	58	56	52	48	43
43	48	51	55	58	58	56	52	48	43
41	47	52	54	56	56	55	52	47	41
39	43	48	51	53	53	51	48	44	40
35	39	43	46	47	47	46	43	39	36
31	35	39	41	43	43	42	40	36	32

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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DMX MR16 LED Lights – High Power LED 5W

OUTLINE



APPLICATIONS



DMX LED Lights (DMX Technologies)

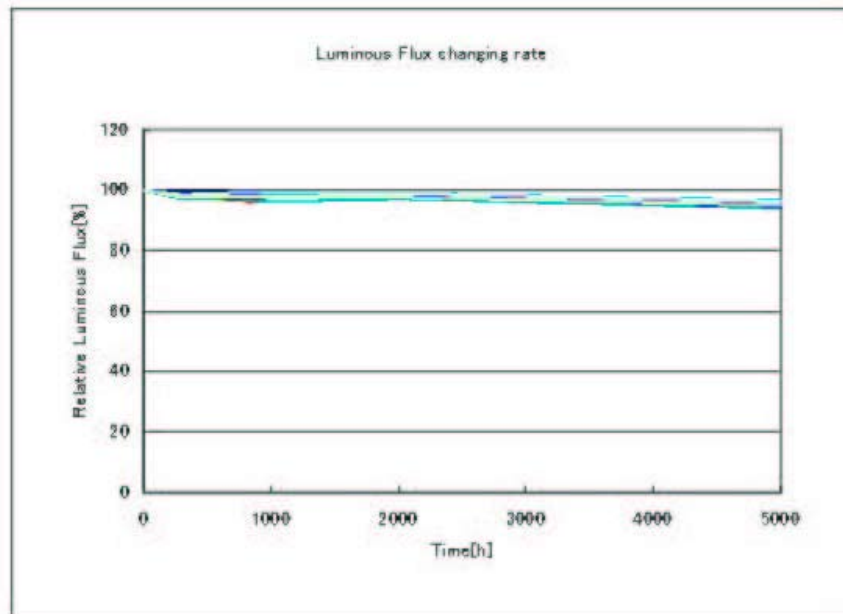
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DMX MR16 LED Lights – High Power LED 6W

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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