



Report of Test

LLIA000792-004

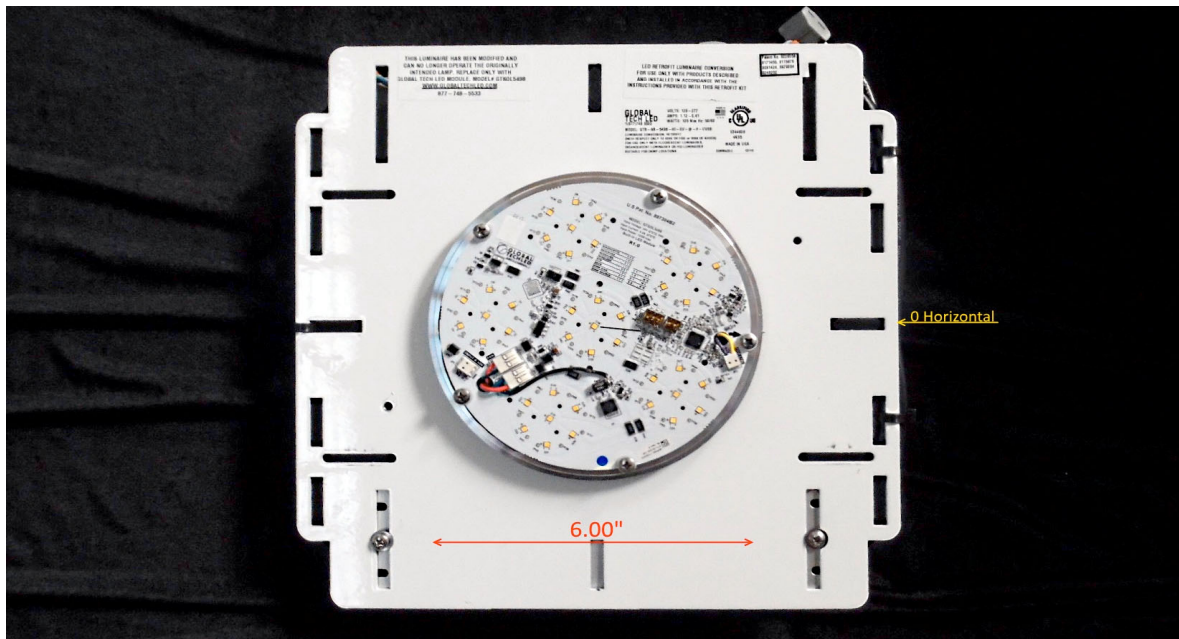
Catalog Number: GTSOL5498-G2-ML-BL-NL

White aluminum mounting plate, aluminum heatsink and cooling fan, no enclosure.

One GTSOL5498 LED module with 42 white LEDs, 6 groups of 7 LEDs

One Mean Well HLG-100H-24B LED driver

120.0Vac, 60.00Hz, 0.5166A, 61.12W, 0.986PF, 11.7%THD(i)



Performance Summary

Total Light Output	7624 lm
Luminaire Power	61.1 W
Luminous Efficacy	124.8 lm/W

PREPARED FOR : Global Tech LED, 8901 Quality Road, Bonita Springs, FL 34135, USA



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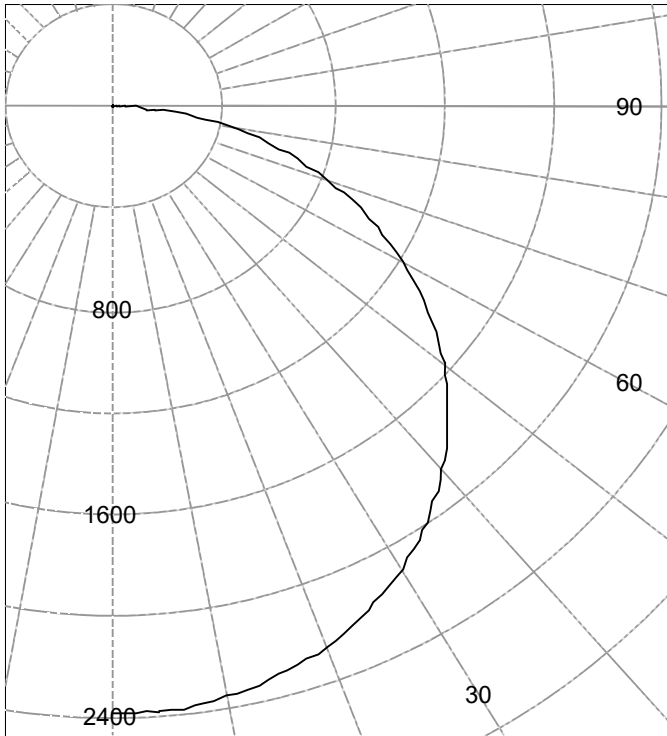
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	134110
55.0	134071
65.0	133356
75.0	132233
85.0	140634

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	2385		90	42	
5	2378	226	95	1	4
10	2354		100	0	
15	2315	654	105	0	0
20	2258		110	0	
25	2184	1007	115	0	0
30	2093		120	0	
35	1985	1243	125	0	0
40	1861		130	0	
45	1721	1327	135	0	0
50	1565		140	0	
55	1395	1247	145	0	0
60	1213		150	0	
65	1023	1011	155	0	0
70	823		160	0	
75	621	656	165	0	0
80	424		170	0	
85	222	248	175	0	0
90	42		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	1887	N / A	24.8
0-40	3130	N / A	41.1
0-60	5704	N / A	74.8
0-90	7620	N / A	99.9
40-90	4490	N / A	58.9
60-90	1916	N / A	25.1
90-180	4	N / A	0.1
0-180	7624	N / A	100.0

Total Light Output = 7,624 lm

Spacing Criterion: 0-180 1.3
Spacing Criterion: 90-270 1.3

Signed:

Michael L. Grather
Authorized Signatory

Date of test 6-Jun-2017
Date of report 7-Jun-2017



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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	2385		90.0	42	
2.5	2384		92.5	2	
5.0	2378	226	95.0	1	
7.5	2368		97.5	0	4
10.0	2354		100.0	0	
12.5	2337		102.5	0	
15.0	2315	654	105.0	0	
17.5	2289		107.5	0	0
20.0	2258		110.0	0	
22.5	2223		112.5	0	
25.0	2184	1007	115.0	0	
27.5	2141		117.5	0	0
30.0	2093		120.0	0	
32.5	2042		122.5	0	
35.0	1985	1243	125.0	0	
37.5	1925		127.5	0	0
40.0	1861		130.0	0	
42.5	1793		132.5	0	
45.0	1721	1327	135.0	0	
47.5	1645		137.5	0	0
50.0	1565		140.0	0	
52.5	1482		142.5	0	
55.0	1395	1247	145.0	0	
57.5	1306		147.5	0	0
60.0	1213		150.0	0	
62.5	1119		152.5	0	
65.0	1023	1011	155.0	0	
67.5	925		157.5	0	0
70.0	823		160.0	0	
72.5	722		162.5	0	
75.0	621	656	165.0	0	
77.5	523		167.5	0	0
80.0	424		170.0	0	
82.5	324		172.5	0	
85.0	222	248	175.0	0	
87.5	131		177.5	0	0
90.0	42		180.0	0	



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Coefficients Of Utilization - Zonal Cavity Method																		
Effective Floor Cavity Reflectance 0.20																		
RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	54	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	27
9	55	41	33	27	53	41	32	27	39	32	27	38	31	27	37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	34	28	24	22

For absolute test reports, CUs are expressed as a percentage of total lumen output. Calculations were based on published IES procedures, and are based on the zonal cavity method. Basic assumptions: 1) Room surfaces are lambertian reflectors. 2) Incident flux on each surface is uniformly distributed. 3) The room is spectrally neutral. When luminaires are not evenly distributed throughout the room, or do not exhibit lateral symmetry, CU values may differ from actual performance.

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	66.3	7.82	7.82
8.0	37.3	10.43	10.43
10.0	23.9	13.04	13.04
12.0	16.6	15.64	15.64
14.0	12.2	18.25	18.25
16.0	9.3	20.86	20.86



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Test Distance 9.5 m
Test Temperature 24.9 °C

Notes

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-08 (Sec. 12), IES LM-16-93, IES LM-58-13, CIE 13.3:1995, CIE 15:2004, ANSI C78.377:2015, ANSI C82.77-10:2014.

The luminous intensity values, and other derived quantities, contained in this report are based on the absolute data, as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the CIE Gamma coordinate system as defined in CIE publication number 121.

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