



Report of Test

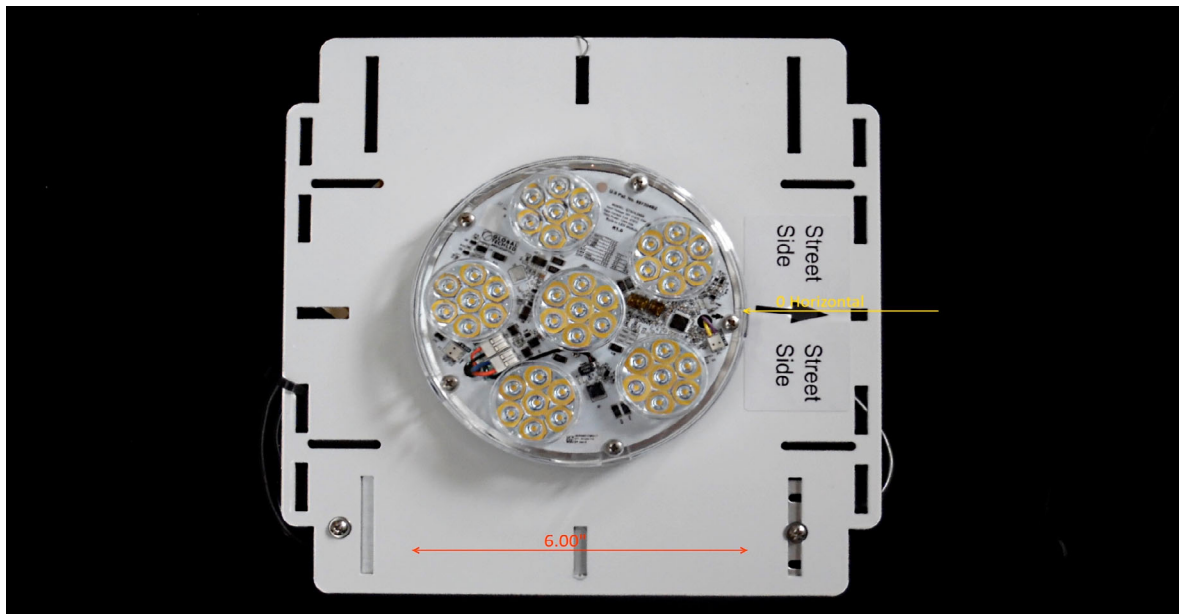
LLIA000785-002

Catalog Number: GTSOL5498-G2-HO-SV-BR-25D

White aluminum mounting plate, aluminum heatsink and cooling fan, clear plastic outer enclosure.
One GTSOL5498 LED module with 42 white LEDs, 6 groups of 7 LEDs with clear glass optics below each.

One Mean Well HLG-150H-24B LED driver.

120.0Vac, 60.00Hz, 0.9635A, 114.7W, 0.992PF, 8.0%THD(i)



Performance Summary

Total Light Output	11440 lm
Luminaire Power	114.7 W
Luminous Efficacy	99.7 lm/W

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



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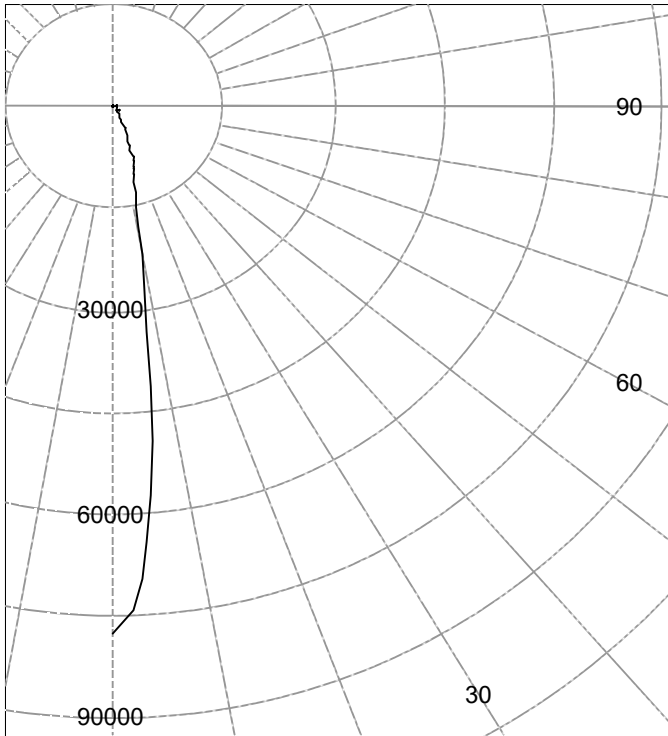
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Legend: All planes - Solid (cd)



(Rotational symmetry)

AVERAGE LUMINANCE (cd / m²)

Gamma	C0
45.0	54648
55.0	51784
65.0	45847
75.0	74287
85.0	141922

INTENSITY SUMMARY (cd)

Gamma	All Planes	Flux (lm)	Gamma	C0	Flux (lm)
0	77689		90	144	
5	57457	4198	95	101	108
10	21986		100	57	
15	10360	3097	105	16	22
20	6860		110	3	
25	3204	1528	115	0	1
30	1118		120	0	
35	725	489	125	0	0
40	707		130	0	
45	701	539	135	0	0
50	664		140	0	
55	539	482	145	0	0
60	422		150	0	
65	352	360	155	0	0
70	347		160	0	
75	349	364	165	0	0
80	321		170	0	
85	224	252	175	0	0
90	144		180	0	

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	%Lamp	%Luminaire
0-30	8823	N / A	77.1
0-40	9312	N / A	81.4
0-60	10334	N / A	90.3
0-90	11310	N / A	98.9
40-90	1998	N / A	17.5
60-90	976	N / A	8.5
90-180	131	N / A	1.1
0-180	11440	N / A	100.0

Total Light Output = 11,440 lm

Spacing Criterion: 0-180 0.26
Spacing Criterion: 90-270 0.26

Signed:

Michael L. Grather
Authorized Signatory

Date of test 30-May-2017
Date of report 2-Jun-2017



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Intensity (cd) and Flux (lm) data

Gamma	Intensity	Flux	Gamma	Intensity	Flux
0.0	77689		90.0	144	
2.5	72125		92.5	116	
5.0	57457	4198	95.0	101	
7.5	37418		97.5	81	108
10.0	21986		100.0	57	
12.5	13862		102.5	33	
15.0	10360	3097	105.0	16	
17.5	8597		107.5	5	22
20.0	6860		110.0	3	
22.5	5005		112.5	2	
25.0	3204	1528	115.0	0	
27.5	1864		117.5	0	1
30.0	1118		120.0	0	
32.5	828		122.5	0	
35.0	725	489	125.0	0	
37.5	709		127.5	0	0
40.0	707		130.0	0	
42.5	698		132.5	0	
45.0	701	539	135.0	0	
47.5	701		137.5	0	0
50.0	664		140.0	0	
52.5	601		142.5	0	
55.0	539	482	145.0	0	
57.5	477		147.5	0	0
60.0	422		150.0	0	
62.5	380		152.5	0	
65.0	352	360	155.0	0	
67.5	341		157.5	0	0
70.0	347		160.0	0	
72.5	350		162.5	0	
75.0	349	364	165.0	0	
77.5	347		167.5	0	0
80.0	321		170.0	0	
82.5	286		172.5	0	
85.0	224	252	175.0	0	
87.5	183		177.5	0	0
90.0	144		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	110	110	110	106	106	106	101	101	101	99
1	112	109	107	104	110	107	105	102	103	101	99	99	97	96	95	94	93	91
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	102	96	91	87	100	95	90	87	92	88	85	89	86	84	87	84	82	80
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	95	87	82	78	93	86	81	77	84	80	77	82	79	76	81	78	75	74
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	78	75	72	71
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	86	78	72	69	84	77	72	69	76	72	68	75	71	68	74	70	68	67
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	68	66	65
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

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.

Circle of Light Plot

Height(ft)	Illuminance at Nadir (fc)	Beam Width (across 50% Nadir Illum)	
		0-180	90-270
6.0	2158.0	1.52	1.52
8.0	1213.9	2.02	2.02
10.0	776.9	2.53	2.53
12.0	539.5	3.03	3.03
14.0	396.4	3.54	3.54
16.0	303.5	4.05	4.05



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Test Distance 9.5 m
Test Temperature 24.6 °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.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with * are not covered.

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