



Report of Test

LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

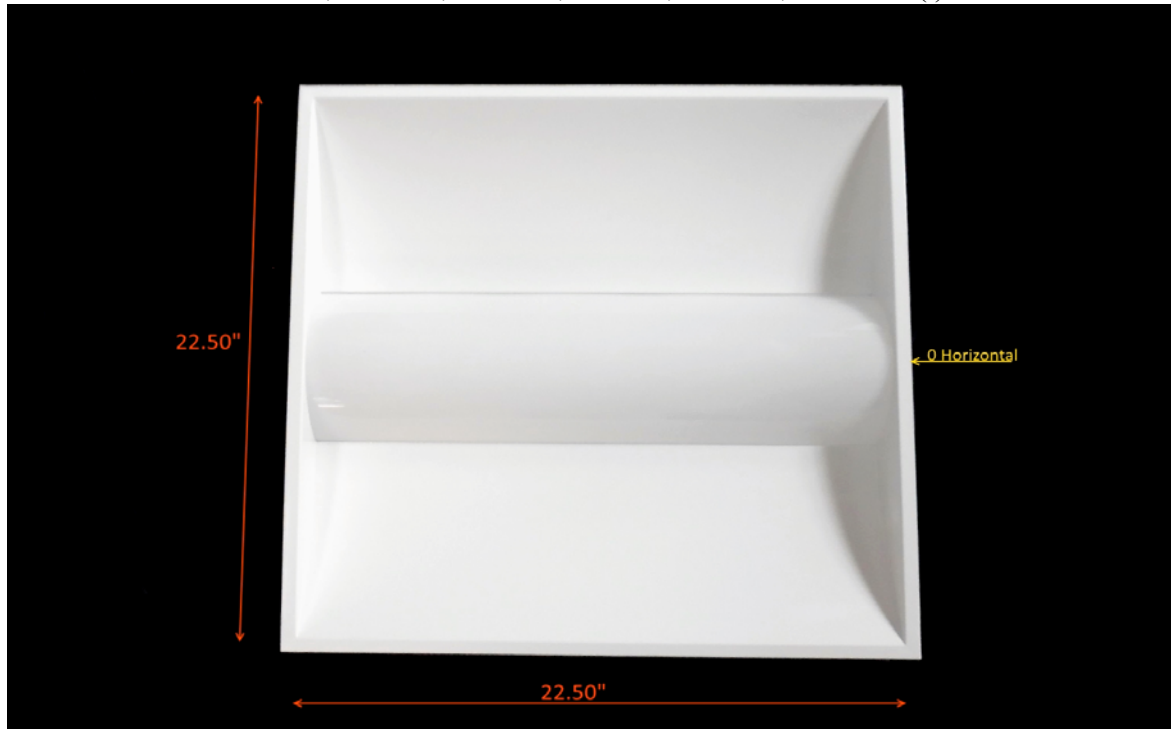
Recessed, formed white enamel housing/reflector with white enamel steel

LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)



Performance Summary

Total Light Output	3613 lm
Luminaire Power	29.0 W
Luminous Efficacy	124.6 lm/W

PREPARED FOR : Topaz Lighting Corp, 925 Waverly Avenue, Holtsville, NY 11742, USA



Test Report No. LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

Recessed, formed white enamel housing/reflector with white enamel steel

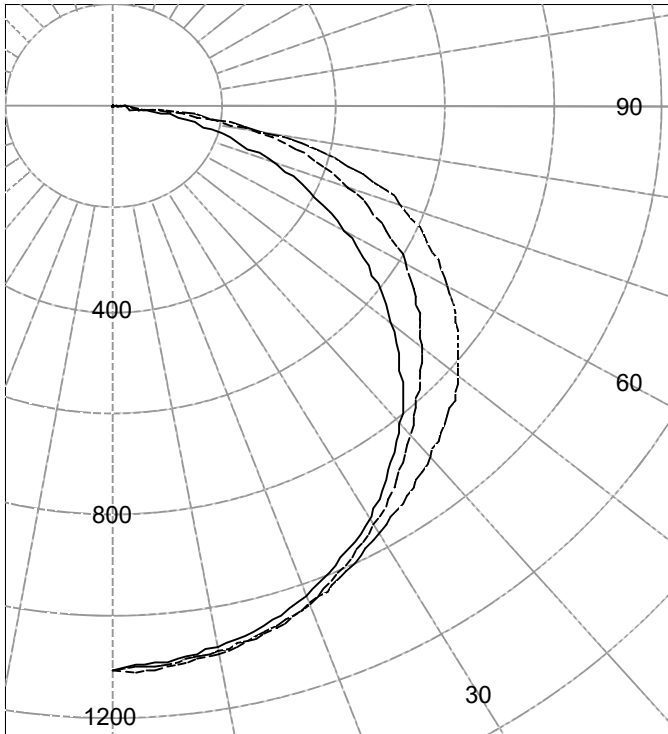
LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)

Legend: C0-Solid, C45-Dashed, C90-Grey (cd)



INTENSITY SUMMARY (cd)

Gamma	C-Plane					Flux (lm)
	C0	C22.5	C45	C67.5	C90	
0.0	1106	1106	1106	1106	1106	
5.0	1093	1100	1106	1103	1100	105
10.0	1078	1086	1092	1090	1088	
15.0	1055	1062	1070	1068	1068	301
20.0	1023	1030	1038	1039	1039	
25.0	981	989	997	1001	1004	459
30.0	932	939	949	959	966	
35.0	874	883	895	918	931	563
40.0	809	818	839	877	896	
45.0	738	747	784	836	859	611
50.0	659	671	728	794	818	
55.0	574	591	673	738	764	597
60.0	484	513	611	674	701	
65.0	391	436	537	601	632	515
70.0	296	360	453	519	552	
75.0	203	275	359	420	442	358
80.0	117	177	243	269	281	
85.0	44	72	97	109	114	103
90.0	0	0	0	0	0	

AVERAGE LUMINANCE (cd / m²)

Gamma	C0	C45	C90
45.0	3189	3389	3714
55.0	3061	3584	4069
65.0	2827	3882	4568
75.0	2394	4245	5223
85.0	1537	3414	3999

ZONAL FLUX AND PERCENTAGES

Zone	Flux (lm)	% Lamp	% Luminaire
0-30	864	N / A	23.9
0-40	1428	N / A	39.5
0-60	2636	N / A	73.0
0-90	3613	N / A	100.0
40-90	2185	N / A	60.5
60-90	977	N / A	27.0
90-180	0	N / A	0.0
0-180	3613	N / A	100.0

Total Light Output = 3,613 lm

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

Signed:

Authorized Signatory

Date of test 18-Aug-2017
Date of report 21-Aug-2017



Test Report No. LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

Recessed, formed white enamel housing/reflector with white enamel steel

LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)

Intensity data (cd)

Gamma	C-Plane				
	C0	C22.5	C45	C67.5	C90
0.0	1106	1106	1106	1106	1106
2.5	1097	1103	1110	1106	1102
5.0	1093	1100	1106	1103	1100
7.5	1086	1095	1100	1098	1096
10.0	1078	1086	1092	1090	1088
12.5	1067	1076	1082	1080	1079
15.0	1055	1062	1070	1068	1068
17.5	1039	1048	1055	1054	1054
20.0	1023	1030	1038	1039	1039
22.5	1002	1011	1019	1021	1022
25.0	981	989	997	1001	1004
27.5	958	965	974	980	985
30.0	932	939	949	959	966
32.5	904	912	923	938	949
35.0	874	883	895	918	931
37.5	844	851	867	898	913
40.0	809	818	839	877	896
42.5	775	783	812	857	878
45.0	738	747	784	836	859
47.5	699	710	757	814	842
50.0	659	671	728	794	818
52.5	617	631	701	767	792
55.0	574	591	673	738	764
57.5	530	552	645	707	733
60.0	484	513	611	674	701
62.5	438	474	575	639	668
65.0	391	436	537	601	632
67.5	343	397	496	562	592
70.0	296	360	453	519	552
72.5	249	320	408	476	510
75.0	203	275	359	420	442
77.5	159	226	309	348	364
80.0	117	177	243	269	281
82.5	77	125	170	189	197
85.0	44	72	97	109	114
87.5	17	23	32	35	36
90.0	0	0	0	0	0



Test Number: LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

Recessed, formed white enamel housing/reflector with white enamel steel

LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

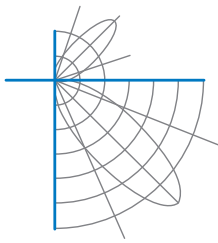
One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)

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	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	74	94	86	79	73	82	77	72	79	74	70	76	72	68	66
3	88	77	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	55
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	46
5	73	60	50	43	71	59	50	43	57	49	43	54	48	42	53	46	42	39
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	47	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	23	34	28	23	21

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	30.7	7.52	7.85
8.0	17.3	10.03	10.47
10.0	11.1	12.54	13.09
12.0	7.7	15.04	15.70
14.0	5.6	17.55	18.32
16.0	4.3	20.06	20.94



Test Report No. LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

Recessed, formed white enamel housing/reflector with white enamel steel

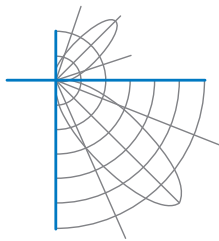
LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)





Test Report No. LLIA000851-002

Catalog Number: F-VTC22/30/8XX/D-86

Recessed, formed white enamel housing/reflector with white enamel steel

LED tray, translucent white linear ribbed plastic center enclosure.

192 white LEDs, 4 boards with 48 LEDs each.

One Well-Lit LT-2L-HD6536-YA2 dimmable LED driver

120.0Vac, 60.00Hz, 0.2424A, 28.97W, 0.996PF, 7.3%THD(i)

Test Distance 9.5 m
Test Temperature 24.8 °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.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.