

SPECIFICATION SHEET

SUBJECT

VAPOUR TIGHT LUMINAIRE "B"

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



solutions closer to nature

Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

DESCRIPTION

The Vapour Tight with new design has the same dependable quality as the existing Vapor Tight. The PC/UV unbreakable lens has the futuristic etched design, providing a brighter light output. Other special features include light weight aluminum board, enhanced heat resistant casing and tough stainless steel clips. It is IP65 rated and suitable for wet locations. The standard frosted etched lens obtains 6% more light than the optional opal lens.



**LED
VAPOUR TIGHT
LUMINAIRE
(New Style "B")**

SPECIFICATION FEATURES

Construction

Polycarbonate housing with frosted etched polycarbonate lens and stainless steel clips
 Tough 5VA rated fire resistant plastic
 60 seconds burn stop with no drip or hole exposure
 Optimum heat transfer aluminum module board
 V-Hooks Included.

Electrical

Long Life LED System complete with electrical driver to deliver the optimal performance
 LED's available in 4000K and 5000K with a typical CRI: 85
 Ambient temperature -40°C to 40°C
 Long Life LG LED modules rated for 180,000 hours at 85°C
 Suitable for wet locations
 Electronic drivers are available in 120-277 and 347 Volt applications

Driver and Module Access

Drivers can be accessed by snapping out the module plate

Mounting

Surface Mount
 Suspension Mount

Finish

Finish polycarbonate housing. Gray finish.

Shielding

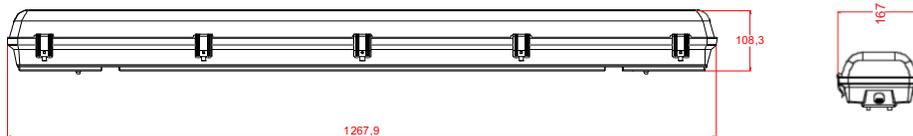
Frosted etched lens
 Opal lens is optional
 By using the frosted etched lens, the fixture will be 6% brighter than opal lens

Compliance

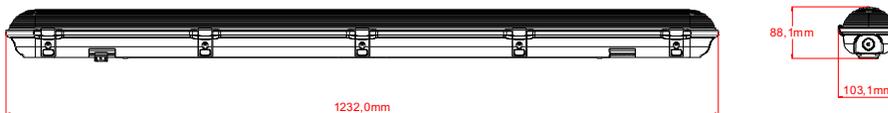
Modules and Drivers are UL recognized components and luminaire is cULus / DLC listed. 5VA and IP65 rated

Warranty

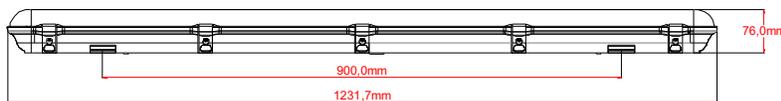
5 years



VT80LED08(P) "B" / VT54LED04(P) "B" "Wide"
Dimensions
 mm | 1268(L) x 167(W) x 108(D)
 inch | 49.9(L) x 6.6(W) x 4.3(D)



VT54LED04(P) "B"
Dimensions
 mm | 1232(L) x 103(W) x 88(D)
 inch | 48.5(L) x 4.1(W) x 3.5(D)



VT40LED04(P) "B"
Dimensions
 mm | 1232(L) x 85(W) x 76(D)
 inch | 48.5(L) x 3.4(W) x 3(D)





ORDERING CODE, ENERGY AND PERFORMANCE DATA

	Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Certification
	VT80LED08-347 (P) B	8266 7862	73 74	347 347	5000K 4000K	113 106	 
	VT54LED04-347(P) B	7171 6762	56 57	347 347	5000K 4000K	129 119	 
	VT40LED04-347(P) B	4110 3925	38 56	347 347	5000K 5000K	109 108	 
	VT80LED08-120M (P) B	9258 8667	74 74	120-277 120-277	5000K 4000K	125 109	 
	VT54LED04-120M (P) B	7171 6981	56 56	120-277 120-277	5000K 4000K	129 126	 
	VT40LED04-120M (P) B	4110 3925	38 36	120-277 120-277	5000K 4000K	109 108	 

NOTE:

- Lumens are estimated
- Lumens may vary based on lens option
- DLC qualified may not apply to all versions within a model. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

OPTIONAL ACCESSORIES

0-10V Dimming Driver (-D) | 120-277V / 347V
 VT40-BOL | Opal PC lens for VT40-B
 VT54-BOL | Opal PC lens for VT54-B
 VT80-BOL | Opal PC lens for VT80-B

EMERGENCY BACK-UP (OPTIONAL)

EMAC1500S60D64 | LED Emergency Driver 120-277V DIM (except VT40-B)
 EMLEDS10155564 | LED Emergency Battery Pack 120-277V
 EMLEDS20155596 | LED Emergency Battery Pack 120-277V (VT80-B only)

CONTROLS (OPTIONAL)

ULT - HC419S | On-Off Sensor Control | 120-277
 ULT - HC419V | Tri-level Dimming Control | 120-277
 BRI810-B-D | ON/OFF DIM Microwave Sensor 120-277
 BRI820 | Microwave Sensor
 YM2502 | Fixture Mount Occupancy Sensor 120-277/347
 MC606V | Microwave Motion Sensor





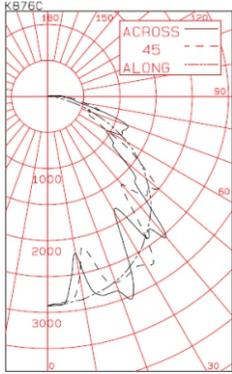
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PHOTOMETRICS

Note: Photometric data result was obtained under white interior and clear lens with linear prismatic.



VT80LED08-120M(P) "B" Candlepower

S/MH = 1.1
SC(along) = 1.3
SC(across) = 1.1
Lumens: 8225
Input Watts: 68.86
Efficacy: 119.4 lm/W
Test Report: K876C

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	2906	2906	2906	2906	2906
5	2891	2888	2863	2857	2865
15	2802	2733	2307	2811	2855
25	2637	2058	2702	2986	2774
35	2362	2388	2351	1946	2398
45	2012	2058	1940	2003	1722
55	1538	1179	1513	1047	1110
65	981	1145	673	1035	1138
75	414	366	738	793	719
85	75	109	360	275	287
90	15	56	157	193	238
95	29	47	76	138	100
105	8	14	32	20	24
115	1	2	8	8	9
125	0	3	1	4	5

Zonal Lumen Summary

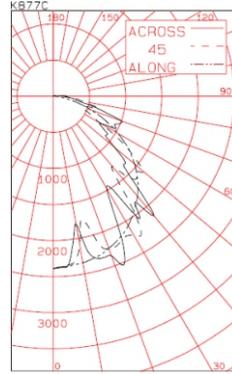
ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	2189	26.62	26.62
0-40	3590	43.65	43.65
0-60	6273	76.28	76.28
0-90	8098	98.46	98.46
40-90	4508	54.81	54.81
60-90	1824	22.18	22.18
90-180	126	1.54	1.54
0-180	8225	100.00	100.00

Coefficient of Utilization

Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0												
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																		
0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.101	1.101	1.101	1.101	1.051	1.051	1.051	1.011	1.011	0.98
1	1.091	1.041	1.00	0.96	1.061	1.02	0.98	0.94	0.97	0.94	0.91	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.99	0.92	0.85	0.80	0.97	0.90	0.84	0.79	0.86	0.81	0.76	0.82	0.78	0.75	0.79	0.76	0.73	0.70
3	0.91	0.81	0.73	0.67	0.88	0.79	0.72	0.66	0.76	0.70	0.65	0.73	0.68	0.64	0.71	0.66	0.62	0.60
4	0.84	0.73	0.64	0.58	0.82	0.71	0.64	0.57	0.69	0.62	0.56	0.66	0.60	0.56	0.64	0.59	0.55	0.52
5	0.77	0.65	0.56	0.50	0.75	0.64	0.55	0.50	0.61	0.54	0.49	0.59	0.53	0.48	0.57	0.52	0.47	0.45
6	0.71	0.58	0.50	0.44	0.69	0.57	0.49	0.43	0.55	0.48	0.43	0.53	0.47	0.42	0.52	0.46	0.42	0.40
7	0.65	0.52	0.44	0.38	0.64	0.51	0.43	0.37	0.50	0.42	0.37	0.48	0.41	0.36	0.47	0.41	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.46	0.39	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.42	0.37	0.32	0.30
9	0.56	0.43	0.35	0.29	0.55	0.42	0.35	0.29	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.28	0.26
10	0.52	0.39	0.31	0.26	0.51	0.38	0.31	0.26	0.37	0.30	0.26	0.36	0.30	0.25	0.35	0.29	0.25	0.23

Note: Photometric data result was obtained under white interior and clear lens with linear prismatic.



VT54LED04-120M(P) "B" Candlepower

S/MH = 1.1
SC(along) = 1.3
SC(across) = 1.1
Lumens: 6720
Input Watts: 56
Efficacy: 120 lm/W
Test Report: K877C-R1

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	2390	2390	2390	2390	2390
5	2366	2365	2351	2351	2354
15	2307	2247	1869	2289	2327
25	2166	1658	2219	2501	2293
35	1944	1956	1926	1627	2072
45	1653	1695	1622	1627	1382
55	1272	926	1246	838	915
65	795	945	534	847	931
75	338	291	635	619	606
85	60	85	278	204	214
90	12	44	119	149	185
95	24	41	54	111	61
105	7	10	22	13	13
115	1	2	5	5	5
125	0	4	1	3	3
135	0	0	0	0	1

Zonal Lumen Summary

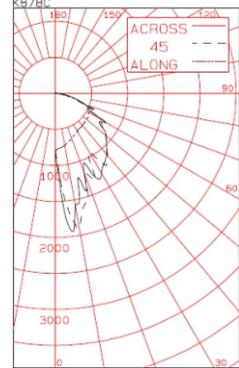
ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1793	26.69	26.69
0-40	2940	43.77	43.77
0-60	5133	76.40	76.40
0-90	6622	98.55	98.55
40-90	3681	54.79	54.79
60-90	1488	22.15	22.15
90-180	97	1.45	1.45
0-180	6720	100.00	100.00

Coefficient of Utilization

Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0												
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																		
0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.101	1.101	1.101	1.101	1.051	1.051	1.051	1.011	1.011	0.99
1	1.091	1.041	1.00	0.96	1.061	1.02	0.98	0.94	0.97	0.94	0.91	0.93	0.90	0.88	0.89	0.87	0.85	0.83
2	0.99	0.92	0.85	0.80	0.97	0.90	0.84	0.79	0.86	0.81	0.77	0.82	0.78	0.75	0.79	0.76	0.73	0.71
3	0.91	0.81	0.73	0.67	0.89	0.79	0.72	0.66	0.76	0.70	0.65	0.73	0.68	0.64	0.71	0.66	0.62	0.60
4	0.84	0.73	0.64	0.58	0.82	0.71	0.64	0.57	0.69	0.62	0.57	0.66	0.60	0.56	0.64	0.59	0.55	0.53
5	0.77	0.65	0.56	0.50	0.75	0.64	0.56	0.50	0.61	0.54	0.49	0.59	0.53	0.48	0.57	0.52	0.48	0.46
6	0.71	0.58	0.50	0.44	0.69	0.57	0.49	0.43	0.55	0.48	0.43	0.54	0.47	0.42	0.52	0.46	0.42	0.40
7	0.66	0.52	0.44	0.38	0.64	0.51	0.43	0.37	0.50	0.42	0.37	0.48	0.42	0.37	0.47	0.41	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.47	0.39	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.56	0.43	0.35	0.29	0.55	0.42	0.35	0.29	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.28	0.26
10	0.52	0.39	0.31	0.26	0.51	0.39	0.31	0.26	0.37	0.30	0.26	0.36	0.30	0.25	0.35	0.29	0.25	0.23

Note: Photometric data result was obtained under white interior and clear lens with linear prismatic.



VT40LED04-120M(P) "B" Candlepower

S/MH = 1.9
SC(along) = 1.1
SC(across) = 1.9
Lumens: 4076
Input Watts: 36.95
Efficacy: 110.3 lm/W
Test Report: K878C

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	802	802	802	802	802
5	761	1094	1466	1663	1759
15	694	1850	1588	1287	1207
25	630	1572	1311	1077	1269
35	590	1031	1222	1175	1183
45	574	683	1004	1012	1000
55	558	773	793	809	755
65	506	544	501	451	497
75	254	224	285	292	280
85	39	66	70	73	76
90	16	19	22	22	22
95	18	11	14	14	14
105	13	7	11	10	10
115	6	2	6	8	6
125	2	1	2	5	2
135	1	0	1	2	2
145	0	0	0	0	1

Zonal Lumen Summary

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1108	27.20	27.20
0-40	1782	43.73	43.73
0-60	3146	77.19	77.19
0-90	4042	99.16	99.16
40-90	2259	55.43	55.43
60-90	895	21.97	21.97
90-180	34	.84	.84
0-180	4076	100.00	100.00

Coefficient of Utilization

Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	0												
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																		
0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.111	1.111	1.111	1.061	1.061	1.061	1.011	1.011	1.011	0.99	
1	1.091	1.051	1.01	0.97	1.061	1.03	0.99	0.95	0.98	0.95	0.92	0.94	0.91	0.89	0.90	0.88	0.86	0.84
2	1.00	0.92	0.86	0.80	0.98	0.90	0.84	0.79	0.87	0.82	0.77	0.83	0.79	0.76	0.80	0.77	0.74	0.72
3	0.91	0.81	0.74	0.68	0.89	0.80	0.73	0.67	0.77	0.71	0.66	0.74	0.69	0.64	0.71	0.67	0.63	0.61
4	0.84	0.73	0.65	0.58	0.82	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.64	0.59	0.55	0.53
5	0.78	0.65	0.56	0.50	0.75	0.64	0.56	0.50	0.62	0.54	0.49	0.60	0.53	0.48	0.58	0.52	0.48	0.46
6	0.71	0.58	0.50	0.44	0.69	0.57	0.49	0.43	0.55	0.48	0.43	0.54	0.47	0.42	0.52	0.46	0.42	0.40
7	0.65	0.52	0.44	0.38	0.64	0.51	0.43	0.37	0.50	0.42	0.37	0.48	0.42	0.37	0.47	0.41	0.36	0.34
8	0.61	0.47	0.39	0.33	0.59	0.47	0.39	0.33	0.45	0.38	0.33	0.44	0.37	0.32	0.43	0.37	0.32	0.30
9	0.57	0.43	0.35	0.29	0.55	0.43	0.35	0.29	0.41	0.34	0.29	0.40	0.34	0.29	0.39	0.33	0.29	0.27
10	0.53	0.40	0.31	0.26	0.51	0.39	0.31	0.26	0.38	0.31	0.26</							