

PL1x4

LED Light Panel

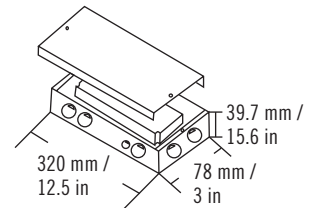
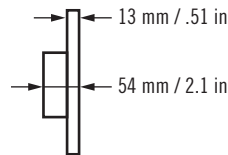
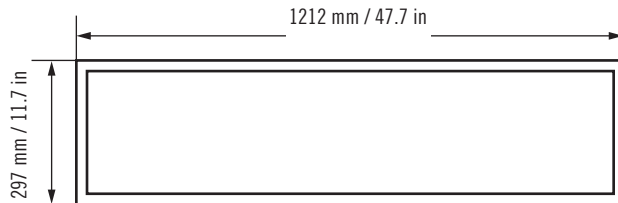


SPECIFICATION SHEET

PROJECT NAME / No: _____

TYPE: _____ QTY: _____

FEATURES ::



PRODUCT DESCRIPTION ::

The 1X4 FT LED troffer design according to DLC standard, delivers up to 4300 of exceptional 82+CRI light while achieving 74 lumens per watt. It is available in 3500K (as well as 3000K & 4000K on custom orders), and has 0-10V dimming option. Its compact, lightweight design easily accommodates recessed installations. It is a well-designed, lay-in ceiling troffer fixture widely used in office spaces, major retail stores, education, government and healthcare. Anywhere bright, beautiful, uniform light is required. Its high performance is coupled with affordability, making it the best solution for any lay-in project.

PRODUCT SPECIFICATIONS ::

- LED Chip** Use 5630 Active color management maintains superior color consistency over time and temperature. Every fixture is tuned as a complete system to the optimal color point before shipment, ensuring fixture-to-fixture color consistency.
- Heat Sink** The source and radiator distribution in fixture around, heat source distribution placed solve heat concentration, quantity of heat conduction of each other and radiation, effective to solve thermal management system design of the cooling. This enables the LEDs to consistently run cooler, providing significant boosts to lifetime, efficacy, and color consistency.
- Optical System** Proprietary optical system utilizes a unique combination of reflective and refractive optical components to achieve a uniform, comfortable appearance. Use guide plate printing high density pixels to shine, and has the light even, shiny surface, no shelter Angle, and no glare, high efficacy.

ELECTRICAL SYSTEM ::

- High efficiency driver and power supply.**
- Power Factor:** >0.9 (277V)
- Driver output:** DC24V
- Input Power:** Stays constant over life
- Diver Input:** AC100-240 V 50/60Hz
- Temperature Rating:** Designed to operate at 45°C and below room side and plenum side.

ORDER INFORMATION ::

EXAMPLE : PL1X4-48W

Product category	Size	Dimming	Fixture wattage	CCT
PL	1 x 4 FT	D = 0-10 v Dimming	48 W	35 = 3500k 3000 - 4000 available

PERFORMANCE SUMMARY ::

Efficacy: 74LPW

Delivered Light Output: 4300 Lumens

Input Power: 48 Watts

CRI: Ra>83 R9>22

CCT: 3000K/3500K/4000K

Input Voltage: 100-240 VAC

Input current: 0.48 -0.21A

Standard Warranty: 5 Years

Standard Lifetime: Designed to L70 minimum 50,000 hours

Mounting: Recessed

0-10v dimming, 10%-100% smooth linear dimming

Dimensions: L 47.7" x W 11.7" x H 2.1"

Weight: 4.4KG/9.7lbs

REGULATORY & VOLUNTARY QUALIFICATIONS ::

cULus List E360437

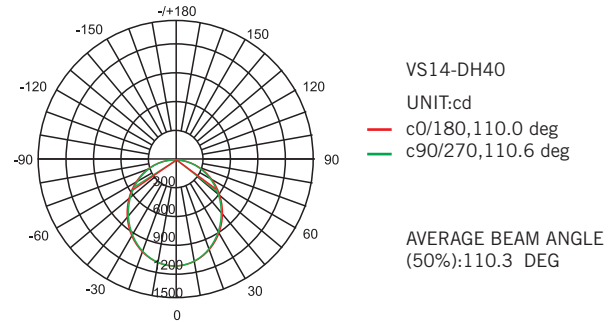
LM79 Report Yes

Suitable for Damp Locations Yes

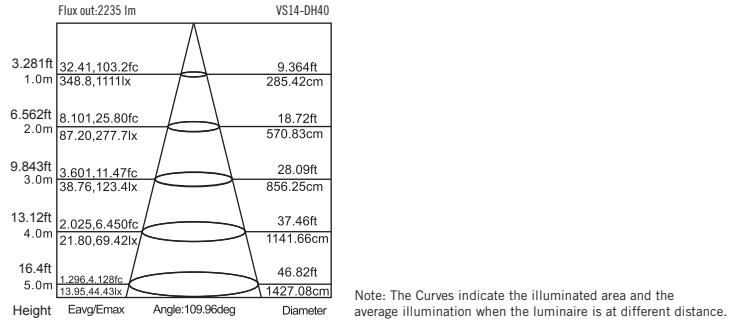
PHOTOMETRY ::

Fixture photometry has been conducted accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%. Result may vary per actual order.

LUMINOUS INTENSITY DIAGRAM ::



AVERAGE ILLUMINANCE CURVE ::



ZONAL FLUX DIAGRAM ::

Y	C0	C45	C90	C135	C180	C225	c270	c315
10	1168	1171	1172	1174	1176	1173	1170	1171
20	1106	1110	1112	1117	1117	1115	1108	1107
30	1000	1005	1009	1017	1017	1011	1002	999.2
40	855.4	858.4	865.0	874.0	878.9	870.9	861.1	854.2
50	680.0	681.9	690.5	702.3	710.3	700.0	688.0	679.7
60	489.7	490.6	501.0	512.3	520.9	508.5	495.2	486.7
70	290.0	291.1	301.8	314.5	322.1	309.7	196.6	288.4
80	105.2	108.0	119.7	129.7	134.2	125.5	114.8	105.6
90	0	0	0.0862	0.0367	0	0	0	0
DEG	LUMINOUS INTENSITY :cd							

ZONAL LUMEN SUMMARY ::

T	φ zone	φ total	%lum, lamp
0-10	112.8	112.8	3.39,3.39
10-20	323.6	436.3	13.1,13.1
20-30	490.5	926.8	27.9,27.9
30-40	587.9	1515	45.6,45.6
40-50	602.0	2117	63.7,63.7
50-60	533.4	2650	79.8,79.8
60-70	396.5	3047	91.7,91.7
70-80	218.1	3265	98.3,98.3
80-90	52.45	3317	99.9,99.9
	UNIT:lm		

COEFFICIENTS OF UTILIZATION ::

ppc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			(CU)			20%			20%			20%			0
0.0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
1.0	104	0	95	102	98	95	98	94	92	94	91	89	90	88	85	84
2.0	91	84	78	89	83	78	85	80	76	82	78	74	79	75	72	70
3.0	80	72	65	78	71	65	75	69	64	73	67	62	70	65	61	59
4.0	71	62	55	69	61	55	67	60	54	65	58	53	62	57	53	51
5.0	63	54	48	62	54	47	60	53	47	58	51	45	56	50	46	44
6.0	57	48	42	56	48	41	54	47	41	52	46	41	51	45	40	38
7.0	52	43	37	51	43	37	49	42	36	48	41	36	46	40	36	34
8.0	47	39	33	46	38	33	45	38	33	44	37	32	43	37	32	30
9.0	43	35	30	43	35	29	42	35	29	40	34	29	39	33	29	27
10.0	40	32	27	39	32	27	38	31	27	37	31	26	37	31	26	25