

PL2x4

LED Light Panel

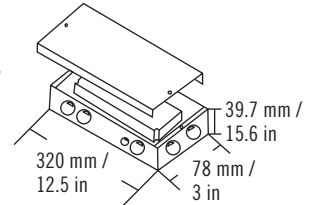
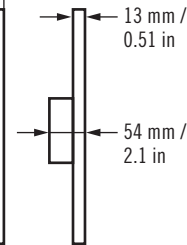
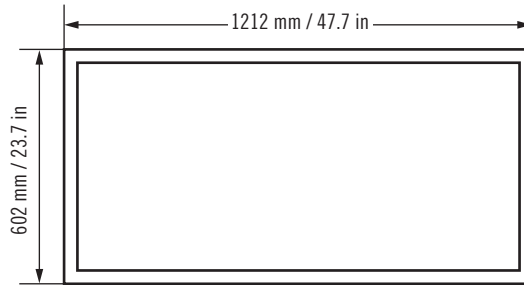


SPECIFICATION SHEET

PROJECT NAME / No: _____

TYPE: _____ QTY: _____

FEATURES ::



PRODUCT DESCRIPTION ::

The 2X4FT LED linear troffers are DLC Listed, delivers high lumens of exceptional 82+ CRI light while achieving 91 lumen per watt. It is available in 3500K (as well as 3000K & 4000K on custom orders), and has 0-10V dimming available, perfect for new construction applications or retrofitting existing fluorescent troffer light fixtures with recessed installation, widely used in office spaces, major retail stores, education, government and healthcare.

PRODUCT SPECIFICATIONS ::

- LED Chip** Use approved LM-80 SMD packing, Active color management maintains superior color consistency over time and temperature. Each 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 50°C and below room side and plenum side.

ORDER INFORMATION ::

EXAMPLE : PL2x4-72W

Product category	Size	Dimming	Fixture wattage	CCT
PL	2 x 4 FT	D = 0-10 v Dimming	72 W	35 = 3500k 3000 - 4000 available

PERFORMANCE SUMMARY ::

Efficacy: 87LPW

Delivered Light Output: 5496 Lumens

Input Power: 72 Watts

CRI: Ra>82

CCT: 3000K/3500K/4000K

Input Voltage: 100-240 VAC

Input current: 0.5 -0.2A

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 23.7" x H 2.1"

Weight: 10KG/22lbs

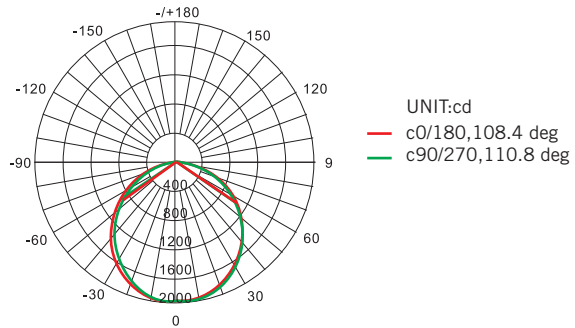
REGULATORY & VOLUNTARY QUALIFICATIONS ::

cULus List	Yes
DLC List	Yes
Lighting Facts Label	Yes
LM79 Report	Yes
Suitable for Damp Locations	Yes

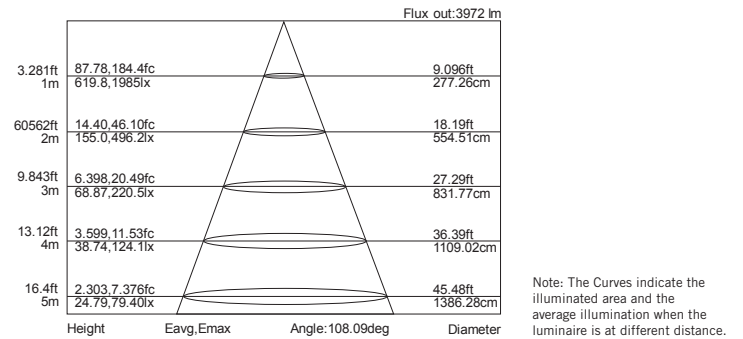
PHOTOMETRY ::

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	1947	1953	1963	1971	1945	1939	1929	1927
20	1834	1850	1876	1884	1830	1823	1809	1804
30	1648	1675	1717	1722	1646	1640	1626	1621
40	1401	1436	1486	1491	1401	1401	1389	1385
50	1113	1152	1203	1207	1120	1121	1114	1108
60	806.9	840.1	885.8	885.0	815.4	815.4	810.8	806.1
70	484.2	508.0	545.4	542.6	490.0	491.7	493.3	483.0
80	172.4	183.3	203.4	203.7	177.6	178.7	177.1	170.8
90	0.0075	0.0388	0.537	0.1402	0.2309	0	0	0

DEG LUMINOUS INTENSITY:cd

ZONAL LUMEN SUMMARY ::

Y	φ zone	φ total	lum. lamp
0- 10	187.6	187.6	3.41, 3.41
10- 20	537.2	724.8	13.2, 13.2
20- 30	812.1	1537	28, 28
30- 40	972.4	2509	45.7, 45.7
40- 50	997.0	3506	63.8, 63.8
50- 60	888.0	4394	80, 80
60- 70	663.5	5058	92, 92
70- 80	360.4	5418	98.6, 98.6
80- 90	75.40	5494	100, 100

UNIT:lm

COEFFICIENTS OF UTILIZATION ::

PPC	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
PW	0															
pf	0															
RCR	0															
	RCR: Room Cavity Ratio CU															
0	119	119	119	116	116	116	111	111	111	106	106	106	102	102	102	0
100	104	100	96	102	98	95	98	95	92	94	91	89	90	88	86	84
200	91	84	79	89	83	78	86	80	76	82	78	74	79	76	72	70
300	80	72	65	78	71	65	75	69	64	73	67	63	70	65	61	59
400	71	62	55	70	61	55	67	60	54	65	59	54	63	57	53	51
500	63	54	48	62	54	48	60	53	47	58	52	46	56	51	46	44
600	57	48	42	56	48	42	54	47	41	53	46	41	51	45	40	38
700	52	43	37	51	43	37	49	42	36	48	41	36	47	40	36	34
800	47	39	33	46	38	32	45	38	33	44	37	32	43	37	32	30
900	43	35	30	43	35	29	42	34	29	40	34	29	39	33	29	27
1000	40	32	27	39	32	27	38	31	27	38	31	27	37	31	26	25