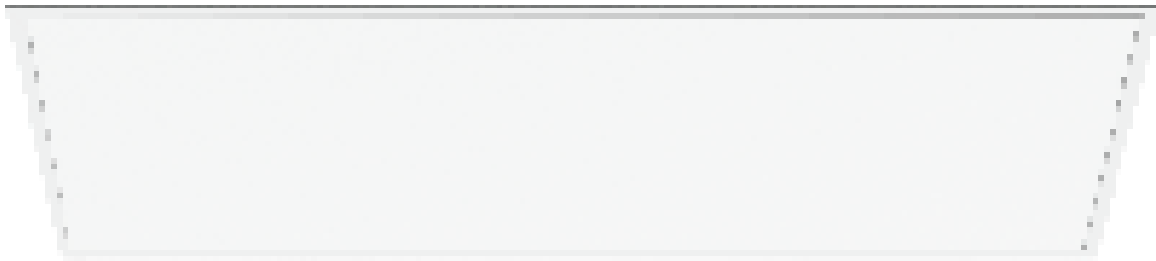




2' X 4' PANEL LIGHT
DAMP LOCATION
PANELUME

PROJECT: _____
 TYPE: _____



SERIES	LUMENS ¹		CCT		DRIVER / VOLTAGE	
FP24	40L 53L	4000 Lm (DLC Premium) 5300 Lm (DLC Standard)	35K 40K	3500K 4000K	DS10X	10 %, 0-10V, 120V/277V

ACCESSORIES	
EMEN	7W Remote Battery with Enclosure

EXAMPLE: FP2440L35KDS10X

NOTES:
 1 Nominal Delivered Lumens



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



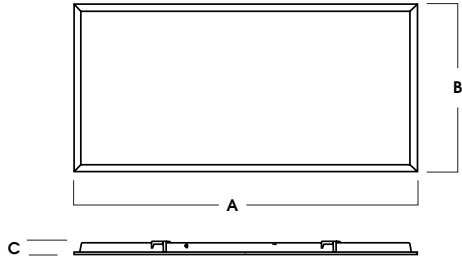


2' X 4' PANEL LIGHT DAMP LOCATION PANELUME

LUMENS / WATTAGE DATA			
PART NUMBER	DELIVERED LUMENS ¹	SYSTEM WATTS	LPW
FP2440L	4000	28	143
FP2453L	5300	48	110

¹ Nominal Delivered Lumens at 35K or 40K

HOUSING DIMENSIONS



A	B	C
47.8	23.8	1.8
1213.0 mm	603.0 mm	45.0 mm

APPLICATION

Design Lights Consortium qualified low profile backlit panel with uniform lens illumination and light distribution for use with grid ceilings.

ELECTRONICS

Solid-state back light available in various color temperatures and lumen outputs. Specifiable in 3500K or 4000K in CRI 80 (Typ.), color accuracy ≤ 4 SDCM. Electronic constant current dimmable driver, power factor > 0.9 (Typ). Driver is field serviceable for future replacement or upgrades. Emergency battery option provides 7W for 90 minutes.

CONSTRUCTION

Extruded aluminum frame. Corners precision welded for seamless aesthetic.

MOUNTING

Integral T-Bar clips designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceilings.

FINISH

Gloss white enamel.

COMPLIANCE

cULus Listed, suitable for dry or damp locations with ambient temperatures -10°C to 40°C . DLC v5.0 qualified. Not all combinations may be listed on the Design Lights Consortium® QPL. Refer to designlights.org/search/ for most up-to-date list. NEMA 77-2017 compliant. EMI compliant to FCC Title 47 Part 15 Class A. Rated for use with insulated ceilings (IC). 5 year limited warranty.

RATED LIFE

Tested in accordance to LM79-2008 and derived from EPA TM-21 calculator. Reported hours per TM-21/LM80 6x's limitation. L70: $>60,000$ hours.



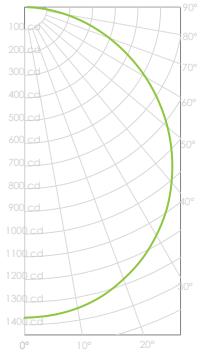


2' X 4' PANEL LIGHT

DAMP LOCATION

PANELUME / PHOTOMETRIC DATA

CANDLEPOWER CURVE TEST SIGNIFY TEST 2



INTENSITY CANDELA 0° AZIMUTH	0.00°
0.00°	1,369
5.00°	1,363
10.00°	1,347
15.00°	1,318
20.00°	1,275
30.00°	1,162
40.00°	1,008
50.00°	823
60.00°	615
70.00°	397
80.00°	186
90.00°	12

ZONAL LUMENS	0° - 10°	0° - 20°	0° - 30°	0° - 40°	0° - 60°	0° - 80°	0° - 90°	Total
	137	508	1,071	1,750	3,099	3,904	4,005	4,008
	3%	13%	27%	44%	77%	97%	100%	100%

SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY			
Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
5.5'	45 fc	16.8'	4 fc
6.5'	32 fc	19.8'	3 fc
7.5'	24 fc	22.8'	2 fc
8.5'	19 fc	25.9'	2 fc
10.0'	14 fc	30.5'	1 fc
12.0'	10 fc	36.6'	1 fc
14.0'	7 fc	42.6'	1 fc
16.0'	5 fc	48.7'	0 fc

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
9'	6'	85	0.66	95	0.95
12'	8'	57	0.45	44	0.45
16'	12'	20	0.15	22	0.22
Delivered Illuminance Rating: (DIR)		128 FC per W/Sq. Ft.		99 FC per W/Sq. Ft.	
Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Footcandles at 2.5' Above Floor					

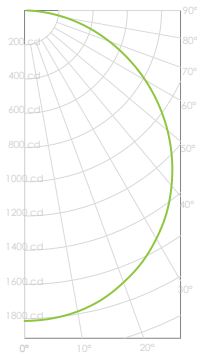
Delivered Lumens: **4,008**
Luminaire Watts: **28**
LER: **143.14**

CP at 0deg (Nadir): **1,369**
CRI: **80**
CRI:

Beam Angle: **113.42**
Spacing Ratio: **1.25**

Lumen Multiplier: **N/A**
CCT Multiplier: **40K x 1.0**
CRI Multiplier:

CANDLEPOWER CURVE TEST SIGNIFY TEST 5



INTENSITY CANDELA 0° AZIMUTH	0.00°
0.00°	1,813
5.00°	1,806
10.00°	1,785
15.00°	1,747
20.00°	1,690
30.00°	1,539
40.00°	1,335
50.00°	1,090
60.00°	814
70.00°	526
80.00°	247
90.00°	16

ZONAL LUMENS	0° - 10°	0° - 20°	0° - 30°	0° - 40°	0° - 60°	0° - 80°	0° - 90°	Total
	182	673	1,418	2,319	4,106	5,173	5,306	5,310
	3%	13%	27%	44%	77%	97%	100%	100%

SINGLE UNIT: PERFORMANCE DIRECT FOOTCANDLES BASED ON DOWNLIGHT ONLY			
Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
5.5'	60 fc	16.8'	5 fc
6.5'	43 fc	19.8'	4 fc
7.5'	32 fc	22.8'	3 fc
8.5'	25 fc	25.9'	2 fc
10.0'	18 fc	30.5'	1 fc
12.0'	13 fc	36.6'	1 fc
14.0'	9 fc	42.6'	1 fc
16.0'	7 fc	48.7'	1 fc

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT					
Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
9'	6'	112	1.14	125	1.64
12'	8'	76	0.77	59	0.77
16'	12'	26	0.26	29	0.38
Delivered Illuminance Rating: (DIR)		99 FC per W/Sq. Ft.		77 FC per W/Sq. Ft.	
Recessed Mounting Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50 * Average Footcandles at 2.5' Above Floor					

Delivered Lumens: **5,310**
Luminaire Watts: **48**
LER: **110.63**

CP at 0deg (Nadir): **1,813**
CRI: **80**
CRI:

Beam Angle: **113.42**
Spacing Ratio: **1.25**

Lumen Multiplier: **N/A**
CCT Multiplier: **40K x 1.0**
CRI Multiplier:

