



LDP Edge Lit LED Flat Panels from Simkar provide uniform, edge-to-edge illumination and are designed for direct replacement of traditional fluorescent lay-in fixtures. The LDP is offered in 1x4, 2x2 and 2x4 configurations that provide even illumination while providing energy savings solutions. The LDP is IP50 Dust Proof and is perfect for schools, healthcare, and commercial applications.

- Uniform edge-to-edge illumination provides a flawless appearance
- Edgelit LED light guide panel - free from glare and shadow
- Energy efficient - Up to 56% energy savings vs. fluorescent
- 50,000 hour operating life (L70) eliminates maintenance
- Excellent color rendition, >80 CRI

HOUSING / LENS White post-painted extruded aluminum frame. Edge mounted LEDs utilizing acrylic light guide panel for uniform, edge-to-edge illumination with no visible LEDs, hotspots, or shadows. Multi-layered optical construction including white frosted bottom diffuser, a laser etched acrylic light guide panel, and a white PET reflector all secured by a steel top backplate. Four - (2x2) and six (1x4, 2x4) grid clips secure panel to grid. Steel back box houses power supply and wiring.

LEDs LDP Edge Lit LED flat panels are available in 3 light levels (delivered): LDP 22 4100 lumens (39W), LDP 14 4300 lumens (39W), LDP 24 5200 lumens (51W) at 4000K 80 CRI. Also available in 3500K and 5000K. Operating life is 50,000 hours (L70). Light engines consist of 180 (LDP 22), 216 (LDP14) and 260 (LDP24) mid power LED chip packages mounted directly to the edge of the extruded aluminum frame. LEDs are LM-80 tested and 3 step binned for color consistency.

ELECTRICAL Power supply is 120V-277V operation. 0-10V dimming standard. Power factor is >0.9. Power supply is

- Available in 3500K, 4000K, 5000K
- 120V - 277V, 0 - 10V dimming (standard)
- IP50 Dust Proof
- DesignLights Consortium® Qualified, DLC 4.0/4.1
- 5 Year warranty

enclosed in a steel housing/wiring compartment and secured to back of fixture via screws. 1x4 and 2x2 use (1) 42W 1A power supply; 2x4 uses (1) 50W 1.15A power supply.

TEMPERATURE Suitable for use in operating temperatures of -4°F (-20°C) to 104°F (40°C).

CEILING COMPATIBILITY LDP fixtures are compatible with "G" type 15/16" tee lay-in grid styles. Mounting clips provided for suspension by wire. For drywall ceiling applications, use GCK frame kits.

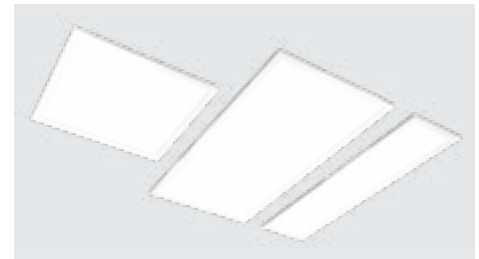
ACCESS / WIRING Integral wiring back box has access points with (4) 1/2" KO's.

OPTIONS Available Emergency Backup (EL5) and Flex Cords (FL6 and FL7). All options are factory installed.

LISTINGS IP50 Dust Proof. ETL Listed damp location. DesignLights Consortium® qualified, DLC 4.0/4.1. IC Rated for direct contact with insulation.

WARRANTY 5 year limited warranty.

Project _____
Catalog Number _____
Type _____
Date _____

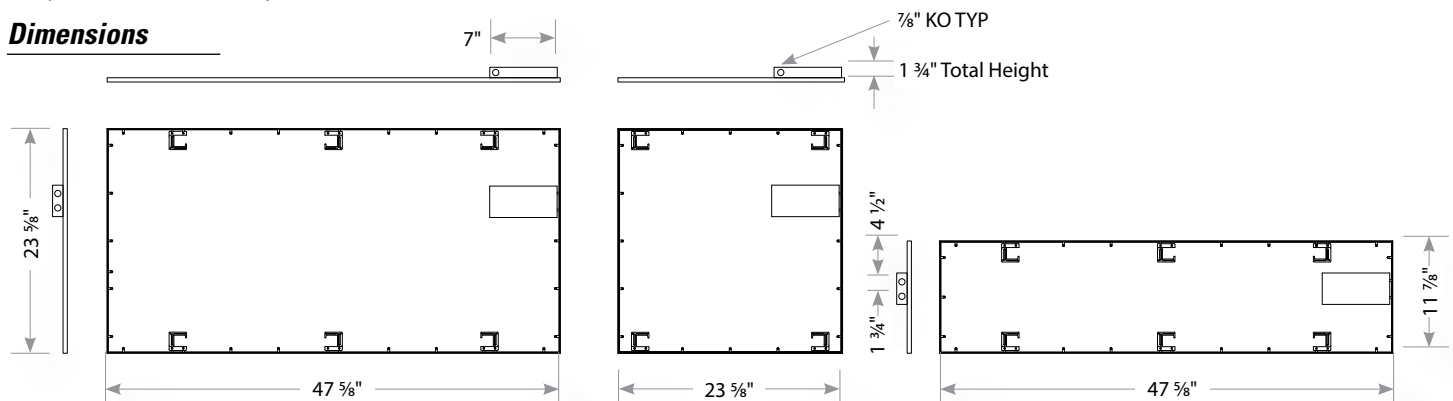


LDP Edge Lit LED Flat Panel Configuration

SERIES	SIZE	LUMENS*	COLOR TEMP.	VOLTAGE	OPTIONS	ACCESSORIES
LDP	14 = 1x4 22 = 2x2 24 = 2x4	40L = 4100 lumens (39W) (2x2 only) 50L = 5200 lumens (51W) (2x4 only)	35 = 3500K 40 = 4000K (standard) 50 = 5000K	U1 = Universal 120-277V, 0 - 10V Dimming (standard)	EL5 = Emergency Backup (Consult Factory for lumens) FL6 = 3/8" - 6' Flex Cord with Two Connectors FL7 = 3/8" - 7' Flex Cord with Two Connectors	ELSR = Emergency Backup, Remote Only (Consult Factory) GCK14 = 1x4 Drywall Kit GCK22 = 2x2 Drywall Kit GCK24 = 2x4 Drywall Kit SLDP14 = Surface box kit for 1x4 edge lit LED panels, post painted extruded aluminum frame SLDP22 = Surface box kit for 2x2 edge lit LED panels, post painted extruded aluminum frame SLDP24 = Surface box kit for 2x4 edge lit LED panels, post painted extruded aluminum frame

Please refer to Designlights Consortium® website for specific configuration listings.
*See performance table for actual performance.

Dimensions



Performance Data

Model	Size	Input Power	Light Output*	Efficacy	Color Temperature	Comparable Fluorescent	Operating Temperature
LDP1440L40U1	1x4	39W	4,372 lm	111 lm/W	4000K	2 32WT8	-4°F (-20°C) to 104°F (40°C)
LDP2240L40U1	2x2	39W	4,149 lm	104 lm/W		2-32W T8 U6	
LDP2450L40U1	2x4	51W	5,248 lm	106 lm/W		2 or 3 32WT8	

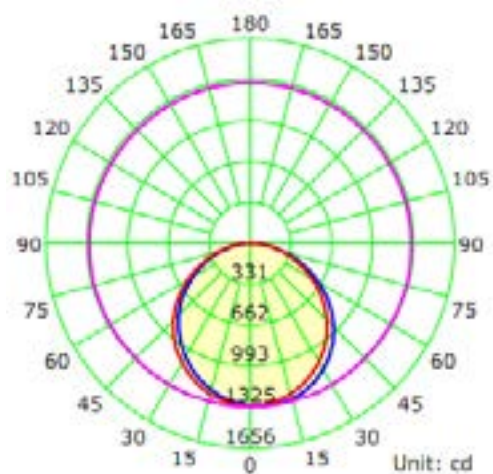
* Delivered lumens

** Consult a lighting engineer to meet specific requirements

Photometric Data**Luminaire Data: LDP1440L35U1**

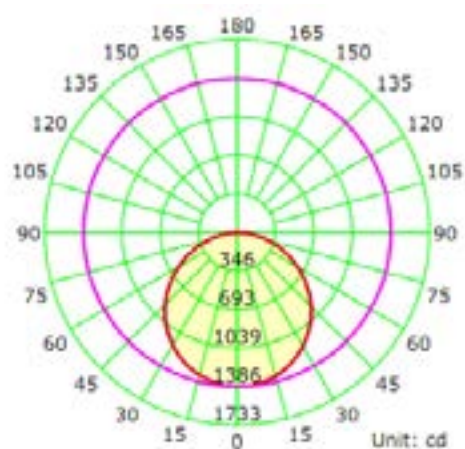
Extruded aluminum housing, white frosted plastic diffuser.

Catalog Number	LDP1440L35U1
Lab Test#	RKS160727006-10
(#) Power Supply	(1) Constant Current 1A
(#) LEDs	216 white LEDs
Color Temperature	3500K
Input Power	37.79W
Delivered Lumens	3,837.2
Operating Life	50,000 hours (L70)
Fixture Efficacy	101.34 Lpw

Luminous Intensity Distribution**Luminaire Data: LDP2240L35U1**

Extruded aluminum housing, white frosted plastic diffuser.

Catalog Number	LDP2240L35U1
Lab Test#	RKS160727005-10
(#) Power Supply	(1) Constant Current 1A
(#) LEDs	180 white LEDs
Color Temperature	3500K
Input Power	38.49W
Delivered Lumens	4,061
Operating Life	50,000 hours (L70)
Fixture Efficacy	105.51 Lpw

Luminous Intensity Distribution**Luminaire Data: LDP2450L35U1**

Extruded aluminum housing, white frosted plastic diffuser.

Catalog Number	LDP2450L35U1
Lab Test#	RKS160727007-10
(#) Power Supply	(1) Constant Current 1.15A
(#) LEDs	260 white LEDs
Color Temperature	3500K
Input Power	48.42W
Delivered Lumens	5072.5
Operating Life	50,000 hours (L70)
Fixture Efficacy	104.76 Lpw

Luminous Intensity Distribution