

LPEC LED Low Profile Recessed Troffer

Leading Specification Features

Crossover®
LED LIGHTING TECHNOLOGY



Marketing Positioning Statement

The LPEC's low profile design makes it ideal for shallow plenum applications. Available in 2'x2', 2'x4' and 1'x4' sizes, this LED direct/indirect fixture delivers even illumination with excellent, low angle brightness control throughout the space. Utilizing a high transmittance acrylic full radius lens, the LPEC has minimum diode visibility. Cooler running electronic components allow for improved lumen performance with lumen outputs ranging from 2797 through 6871 total lumens and availability in cool white, neutral white or warm white color temperatures. Installation is quick and easy as the LPEC simply lifts through the grid ceiling, rests on T-bars and electrical connections are conveniently made from below the ceiling. LPEC, providing unmatched lighting performance in a low profile recessed LED troffer.



Proprietary Thermal Management System

Thermal Management Cooler running electronic components allow for improved lumen performance

Designed to maximize surface area improving distribution and exchange of heat to surroundings

Outstanding Uniformity & Visual Comfort

Even Illumination Direct/Indirect lighting delivers even illumination throughout the space

Excellent, low angle brightness control
Unmatched lighting performance in a low profile recessed troffer

Lens High transmittance acrylic, full radius lens

Minimum diode visibility

Cleans easily

Lumen Output Wide range of lumen outputs available by varying the drive currents and LED color temperature

Range of 2964 to 4974 lumens (nominal) for LPEC14

Range of 2797 to 4727 lumens (nominal) for LPEC22

Range of 3430 to 6871 lumens (nominal) for LPEC24

LIGHT OUTPUT - LPEC								
	SS - Super Saver			HO - High Output			Watts	
	WW	NW	CW	WW	NW	CW	SS	HO
LPEC14 -(1X4)	2964	3100	3539	4181	4388	4974	29	46
LPEC22 -(2X2)	2797	2939	3346	3924	4127	4727	29	46
LPEC24 -(2X4)	3430	3562	4071	4079	4353	4982	36	47
LPEC24 -(2X4)	VHO - Very High Output			Watts				
	WW	NW	CW	VHO				
	5742	6009	6871	60				

LED Chips are frequently updated therefore values may increase.

Leading Selection of Light Output Options

Photometrics LM79 & LM80 reports available
Application assistance available on request

LEDs Closely spaced medium-power, high brightness chips

Minimizes pixilation and provides uniform lens luminance

Available in Cool White (5000K), Neutral White (4000K) or Warm White (3500K)

Color Rendering Index CRI of 80 (CW > 70) facilitates recognition of specific colors of various objects to meet industry standards

Three Drive Currents SS, HO and VHO available

Expands available solutions for customer specific applications

SS is the most energy efficient, while HO and VHO can be utilized to drive for greater lumen outputs

Input Voltage Universal voltage 120V thru 277V (50/60hz input): 347V also available

Unparalleled Speed & Ease of Installation

Mounting Unit simply lifts through grid ceiling and rests on T-bars

Wiring access/strain relief plate attaches with one screw

Allows electrical connections to be made from below the ceiling

Maintenance-Free Once installed, LPEC is virtually maintenance free

Drivers and key electronic components can easily be accessed from below the ceiling

Exceptional Reliability in a Recessed Troffer

Environmentally Responsible With exceptional “green” technology, LPEC is RoHS compliant

Design contains no mercury or other hazardous materials

Greater than 80% recyclable by weight

Housing Formed code-gauge steel housing

Painted after fabrication

Integral NEC-compliant earthquake clips are standard

Attractive/Clean Styling Performance, energy efficiency and maintenance benefits of LED in a low profile housing

Driver High-performance isolated driver

Features over-voltage, over-current and short-circuit (with auto recovery) protection

0-10V dimming driver

Finish All parts painted after fabrication following treatment with phosphate rust inhibitor

Finish coating of reflecting surfaces is with high reflectance (minimum 92%) polyester powder

Long-Life Minimum 60,000 hours depending upon ambient temperature of installation location

Once installed, virtually maintenance free

Protection Driver module is sealed to IP66 protection levels

Class A sound rating

Warranty Limited 5-year warranty

Listing Listed to UL 1598 and UL 8750

Suitable for damp locations

IC rated

DLC Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at www.designlights.org for specific products listed.

