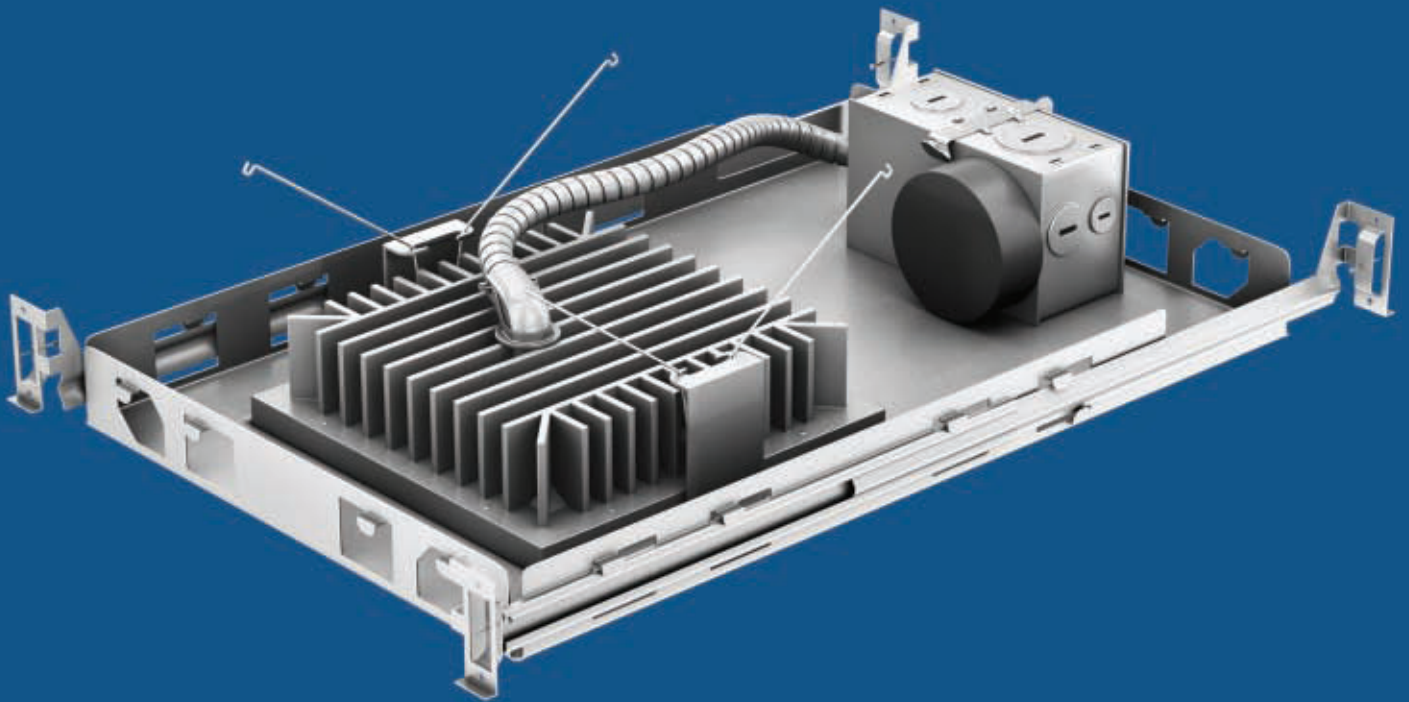


THE COMPLETE LIGHTING SOLUTION

LITON

L I G H T I N G



SHALLOW & SURFACE
RECESSED LED MOUNT LED

SHALLOW RECESSED & SURFACE MOUNT LED LIGHTING

RECESSED LED & SURFACE MOUNT LED



WHY ARE **SHALLOW** LED PRODUCTS ONE OF THE **MOST IMPORTANT** LIGHTING CATEGORIES TO RECENTLY EMERGE?

Many American cities are experiencing rapid increases in population density. As more people and companies look for opportunity in major metropolitan areas like Los Angeles, New York City or San Francisco, they bring with them the need for more housing, more office space and more retail.

The problem is that most large metro areas are already overbuilt. Every inch of real estate is already occupied. There is literally nowhere to go but up. Given that challenge, architects, engineers and city planners must design buildings that maximize floor count while meeting stringent city building codes that limit total height. Other challenges include conforming to safety ordinances enacted for fire, earthquake and other calamity.

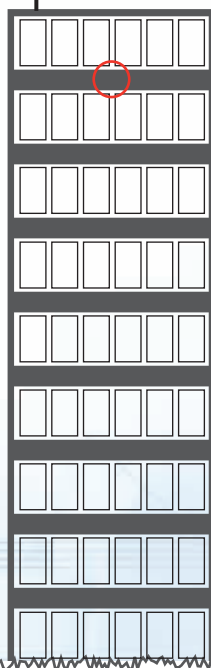
One method becoming increasingly popular is to reduce the plenum space between floors. Theoretically, this would create an overall stronger structure while allowing a greater floor count and higher occupancy potential, without increasing the total height of the building.

With increased population density comes increased energy consumption. As we have seen, the demand for LED lighting has increased proportionately. LED fixtures with shallow profiles engineered to accommodate those shallow plenums designs will be specified with increasing regularity, and LITON has the solution:

• **SHALLOW** RECESSED LED DOWNLIGHTS

11% Sq. Ft. Increase!

STANDARD
PLENUM DESIGN
(9 Floors)



SHALLOW
PLENUM DESIGN
(10 Floors)



TABLE OF CONTENTS



5" SQUARE SUPER SHALLOW LED HOUSING (3 1/8" Tall)

This **Super Shallow** Square LED housing is designed for low to medium height ceilings in a variety of applications including multi-story, multi-family residential, retail, light commercial and virtually any space limited by very shallow plenums between floors.

Available in
3000K & 4000K

Lumen Maintenance

Minimum 50,000 hours
L70 life based on ANSI

Heat Sink

Effective thermal dissipation facilitated by integral cast-aluminum, finned heat sink design for maximum heat rejection to provide long LED life

Driver

Electronic Direct Current U.L. Listed driver mounted away from LED Array for cool operation and end-of-life modularity

Great

super-efficient 26W/32W CFL replacement

Pre-wired Housing

adjusts up to a 1/2" - 1 3/4" ceiling thickness. Trim is secured with torsion wing springs

CRI

High 90+ CRI for incandescent-like color rendering

Power Connection

LED heat sinked lamp module is replaceable via onboard quick exclusionary disconnect terminal. No tools required

Dimming

Smoothly dims down as low as 10% of initial light output with flicker-free operation

120V or 120V/277V

Comes standard with 120VAC input and available with optional 120V/277V universal voltage input

Title 24

Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets

Wall Wash version coming soon!

5" SQUARE SUPER SHALLOW LED HOUSING

LHQLD5



5 5/8" SQUARE CUT-OUT | 15W | 1,100 Lm

DRIVE TYPE

Blank: 120V
UE: 120V/277V Non Dimming
-DIN: Incandescent/ELV Dimming

OPTION

Blank: None
-EM: Emergency Back Up (8W)

SUPER SHALLOW!

This housing is only 3 1/8" high!



HOUSING FEATURES

- 24" Adjustable Hanger Bars
- ELV/Incandescent Dimming
- IC rated housing rated for direct contact with low to medium density loose fill blown and rolled insulation
- **UL & ETL listed**
- Emergency option battery back-up available

5" SQUARE SUPER SHALLOW LED TRIMS

Color

Comes standard with 3,000K Warm White and 4,000K LED's binned according to ANSI C78 377A for color temperature and chromaticity ranges

Lens

Frosted lens knocks down glare for smooth CFL-like footcandle distribution

Style

Available Reflector and Baffle designs

All Die-Cast

Solid die-cast construction for maximum durability

Finish

Powder-coated for lasting beauty

Warranty

Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C, installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

FIXTURE SPACING EXAMPLE

CEILING HEIGHTS (FT)	O.C SPACING (FT)	FOOTCANDLES	MIN/MAX RATIO
8'	4' x 6'	53 fc	1.7 : 1
8'	6' x 6'	37 fc	1.5 : 1
8'	6' x 8'	25 fc	2.0 : 1
8'	8' x 8'	19 fc	2.3 : 1
10'	4' x 6'	50 fc	1.9 : 1
10'	6' x 6'	28 fc	1.9 : 1
10'	6' x 8'	25 fc	1.2 : 1
10'	8' x 8'	18 fc	2.2 : 1

5" SQUARE SUPER SHALLOW REFLECTOR LED TRIM

LRQ52



DIMMABLE | 15W | 1,100 Lm

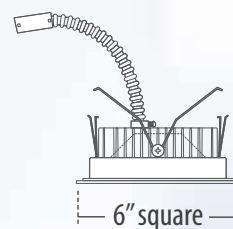
LED MODULE

LRQLD5-T30 : 3000K
LRQLD5-T40 : 4000K

REFLECTOR / RING *

W : All White
B : All Black
S : All Satin

* OTHER FINISHES AVAILABLE, CONSULT.



- 5 7/8" square ceiling cut-out
- Smooth Reflector Trim
- CRI Index (CRI): 90
- Fixture Lumen: 1,100Lm
- Color Temperature: 3,000K
- Lamp Equivalents: 26W/32W CFL
- Covered by a 5-Year Warranty
- cETL Rated

TRIM FEATURES

5" SQUARE SUPER SHALLOW BAFFLE LED TRIM

LRQ53



DIMMABLE | 15W | 1,100 Lm

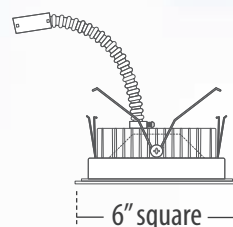
LED MODULE

LRQLD5-T30 : 3000K
LRQLD5-T40 : 4000K

BAFFLE / RING *

W : All White
B : All Black
S : All Satin

* OTHER FINISHES AVAILABLE, CONSULT.



- 5 7/8" square ceiling cut-out
- Step Baffle Trim
- CRI Index (CRI): 90
- Fixture Lumen: 1,100Lm
- Color Temperature: 3,000K
- Lamp Equivalents: 26W/32W CFL
- Covered by a 5-Year Warranty
- cETL Rated

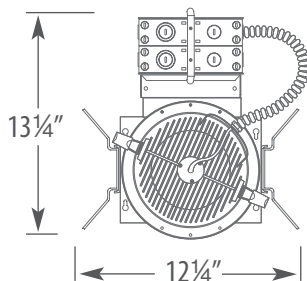
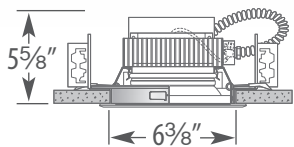
TRIM FEATURES

6" SHALLOW ARCHITECTURAL LED RECESSED

LED HOUSING : 6" ARCHITECTURAL SHALLOW

2400Lm

LHALD625C071 25W



DRIVER TYPE

Blank : 120V Non-Dimming
UE : 120V/277V Non Dimming
-DIN : 120V TRIAC/ELV Dimming
UE-D10 : 0-10V Dimming 120V/277V
UE-DHL : Hi-Lume 1% Dim 120V/277V
UE-DUN : UniDim™ Universal Dimming
UE-D10P1 : 0-10V 1% Dimming
UE-DEC : Lutron Ecosystem
UE-DLI : DALI Dimming

OPTION

Blank : None
-EM : Emergency (5W)
-EM2 : Emergency (10W)
-GTD : Generator Transfer Device

ACCESSORIES

/C260 : 26" C-Channel
/C270 : Linear Hanger Bar Set
/C260-J : Heavy Duty Adj. Hanger Bar

LED TRIM : 6" ARCHITECTURAL SHALLOW

LRCLD6

FINISH

WWF : All White

LUMENS

152 : 2400Lm, 25W

LED

-T30 : 3000K

-T40 : 4000K

Note:

- LRCLD6 trim must be purchased together with LHALD625C071 housing.

APPLICATION

Shallow Architectural LED Downlight for low to high ceilings in commercial, retail, municipal and similar applications where above-ceiling space is limited. Specially designed lens provides smooth, even lumen distribution similar to CFL. Trim is designed to work with 25W LITON Architectural Housings.

ARCHITECTURAL SPECIFICATION

LUMEN PACKAGES	25W (2400 Lumen)
CCT	3000K & 4000K binned to ANSI Standard
CRI	80
DIMMING OPTIONS	ELV, TRIAC & 0-10V
INPUT	120V, 120V/277V (See Order Guide)
LED TRIM CONNECTOR	Heavy Duty Electrical Conduit

LITON ARCHITECTURAL SHALLOW RECESSED LED DOWNLIGHT

8" SHALLOW ARCHITECTURAL LED RECESSED

NO-HOUSING™ LED TRIM : 8" ARCHITECTURAL SHALLOW REMODEL

LRCLD802



APPLICATION

Shallow Architectural LED Remodel for low to high ceilings in architectural, hospitality and commercial installations. Provides a low profile to fit most shallow plenums. Omni-directional lumen output makes this an ideal CFL replacement. Requires no housing!

FINISH

WWF : All White

LUMEN PACKAGE

100-R12 : 1400 Lm

240-R25 : 2400 Lm

OPTION

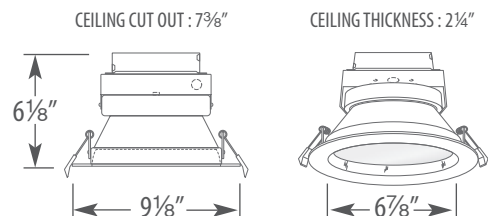
Blank : Non Dimming
UE : Non Dimming (120V/277V)
UE-D10 : 0-10V Dimming (120V/277V)
UE-DUN : Universal Dimming (120V/277V)
-EM : Emergency Back Up

LED

Blank : 4000K

-T30 : 3000K

TRIM FEATURES



ARCHITECTURAL SPECIFICATION

LUMEN PACKAGES	25W (2400 Lumen)
CCT	3000K & 4000K binned to ANSI Standard
CRI	80
DIMMING OPTIONS	25W (ELV, TRIAC & 0-10V)
INPUT	120V, 120V/277V

4" SUPER SHALLOW ECONOMY LED LIGHTING

Pre-wired Housing

adjusts up to 1 1/4" ceiling thickness. This housing has torsion remodeling clips for secure installation. Integral thermal protector to guard against improper lamping and installation.

Super Shallow Housing

This energy efficient general purpose recessed LED housing is perfect for low to medium height ceilings in residential and light commercial applications where shallow plenums or fixture height restrictions exist.

Junction Box

16 gauge pre-wired galvanized steel Junction Box, 32 cubic-inch for a maximum of (8) #12 AWG wires. Furnished with (6) 3/4" and (4) Romex knock-outs. Strain clamps to install or remove covers for easy access and ground wire. Equipped with safety standard fitting for flex-conduit.

Hanger Bars

Heavy-duty adjustable 24" hanger bars

Trim Mounting

Mounts into standard 4" General Purpose Recessed housing cans with steel pressure springs mounted on trim to ensure positive retention inside housing. Alternate mounting methods available, consult factory

Trim

All Die-Cast for long lasting beauty

Warranty

Covered by a 3-Year Warranty to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C, installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.

4" NEW CONSTRUCTION SUPER SHALLOW LED HOUSING

LSH99ICA-QC

14W

VOLTAGE

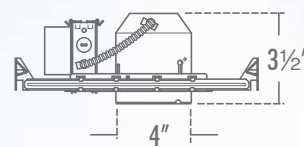
Blank : 120V



4 1/2" CUT-OUT | 14W

HOUSING FEATURES

- 24" Adjustable Hanger Bars
- ELV/Incandescent Dimming
- Airtight housing.
- IC rated.
- **UL & ETL listed** for feed through and damp location
NYC approved:
Calendar# 41937



4" GU24 LED REFLECTOR WITH FLAT LENS TRIM

LREBLD402

11W, 650Lm

REFLECTOR / RING

W : All White

VOLTAGE

Blank : 120V

UE : 120V/277V

COLOR TEMPERATURE

-T27 : 2700K

-T30 : 3000K

-T35 : 3500K

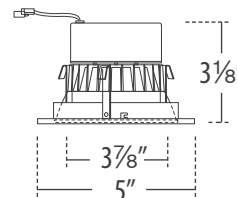
-T40 : 4000K



DIMMABLE | 11W | 650 Lm

TRIM FEATURES

- 50,000 hrs. L70 based on TM21 Calculations from LM80 Tests
- Incandescent/ELV Dimming
- **ETL/cETL Rated, UL Listed**
- Covered by a 5-Year Warranty



6" GENERAL PURPOSE SHALLOW LED HOUSINGS

LED Driver

Electronic Direct Current LED driver integrally mounted away from light source for cooler operation and user friendly modularity
Dimming options and 120V/277V Universal AC input optional

Shallow Housing

Pre-wired housing adjusts to multiple ceiling thickness. Integral thermal protector insures safe installation and operation

LED Heat Sink

properly vents every Liton LED lighting fixture to ensure its maximum LED lamp life

Hanger Bars

Heavy-duty adjustable 24" hanger bars



Trim Styles

Four (4) trim-styles to choose from, in standard and designer finishes

High CRI

All 6" Trims are 90+ CRI

Lamp Module

is replaceable via on-board quick-disconnect terminal. No tools required
Up to (4) beamspreads available - Specify

Title 24

Meets Title 24 & other standards restricting use of bi-pin and medium base sockets

6" NEW CONSTRUCTION SHALLOW LED HOUSING

LSHLDH616C35 16W

LSHLDH609C25* 9W



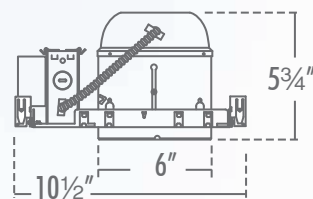
6½" CUT-OUT | 9W | 16W

VOLTAGE

Blank: 120V
UE: 120V/277V
-DIN: Incandescent/ELV Dimming
UE-D10: 0-10V Dimming 120V/277V
UE-DHL: Hi-Lume Dimming

OPTION

Blank: None
-EM: Emergency Back Up (6W)



- 24" Adjustable Hanger Bars
- IC rated • Airtight
- Meets **Title 24** and other standards restricting use of bi-pin and medium base sockets
- **ETL listed** for feed through and damp location

* -DIN is the only dimming option for 9W housings.

FEATURES

6" REMODEL SHALLOW LED HOUSING

LSHLDH6R16C35 16W

LSHLDH6R09C35* 9W



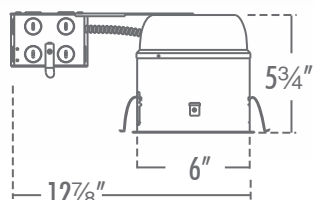
6¼" CUT-OUT | 9W | 16W

VOLTAGE

Blank: 120V
UE: 120V/277V
-DIN: Incandescent/ELV Dimming
UE-D10: 0-10V Dimming 120V/277V
UE-DHL: Hi-Lume Dimming

OPTION

Blank: None
-EM: Emergency Back Up (6W)

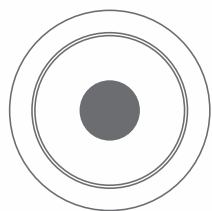


- IC rated • Airtight
- Meets **Title 24** and other standards restricting use of bi-pin and medium base sockets
- **ETL listed** for feed through and damp location

* -DIN is the only dimming option for 9W housings.

FEATURES

6" GENERAL PURPOSE SHALLOW LED TRIMS



Lamp "Straight-Up" view
(Single Diode 9W & 16W)
B08 | B25 | B45 | B60



Trim Ring
in White, Black
or Natural finish

NEW 9W MODELS DELIVER **OVER 750 LUMENS!**

75,000 HOURS LM70 BASED ON TM21
PROJECTIONS FROM LM80 TESTING!

Note: -DIN is the only dimming option for 9W housings



Glass
Frosted, Blue or Amber
Glass colors to choose
from!

SHALLOW ADJUSTABLE & GLASS DECO LED TRIMS

LITON's 6" Shallow General Purpose **LED trims** come in standard and designer finishes with a wide selection of trim styles, such as lensed units, wallwash, and standard reflectors. Unique in both color and style, LITON's glass trim recessed downlights are designers' delight.

6" RECESSED WALL WASH LED

9W | 16W

LRLDH671



REFLECTOR/RING

W : All White
BB : All Black
SF : All Satin Haze
S : Satin/White

BEAMSPREAD

-B25 : Narrow Flood
-B45 : Flood
-B50 : Wide Flood

6" RECESSED DECOFROST DOME LED

9W | 16W

LRLDH642



FINISH

W : All White
C : Clear/White

6" SUPER ADJUSTABLE GIMBAL LED

9W | 16W

LRLDH678



FINISH

W : All White
BB : Black Baffle/White Ring
N : All Natural

BEAMSPREAD

-B08 : Spot
-B25 : Narrow Flood
-B45 : Flood
-B50 : Wide Flood

6" REGRESSED DECO CONE LED

9W | 16W

LRLDH649



FINISH

W : All White
BB : All Black
SN : Satin/Natural

GLASS

-FR : Frosted
-BL : Blue
-AM : Amber

2" & 3" ECONOMY SHALLOW LED RECESSED

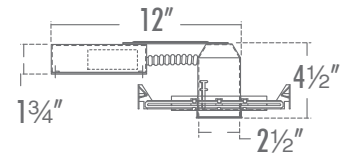
2" SHALLOW ECONOMY RECESSED LED (HOUSINGS & TRIMS)

LH2-QC



NEW CONSTRUCTION RECESSED LED HOUSING

LED • 24" Adjustable Hanger Bars • Quick Connector meets Title 24 and other standards restricting use of bi-pin and medium base sockets • ETL Listed for feed through and damp location.

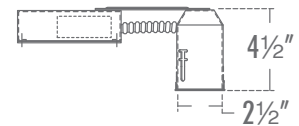


LH2R-QC





REMODEL RECESSED LED HOUSING



LED • Quick Connector meets Title 24 and other standards restricting use of bi-pin and medium base sockets • ETL Listed for feed through and damp location.



2" REFLECTOR LED TRIM

LRELD221	REFLECTOR / RING	LUMENS	RATING
	W : All White	-L03 : 230 Lm / 4W	Blank : None -WL : Wet Location
	B : Black/White	-L05 : 460 Lm / 9W	
	C : Clear/White		
	SN : Satin/Natural		
	N : All Natural		
	CO : All Copper		
	MO : All Mocha		

2" BAFFLE LED TRIM

LRELD293	BAFFLE / RING	LUMENS	RATING
	W : All White	-L03 : 230 Lm / 4W	Blank : None -WL : Wet Location
	B : Black/White	-L05 : 460 Lm / 9W	
	N : All Natural		
	CO : All Copper		
	MO : All Mocha		
			

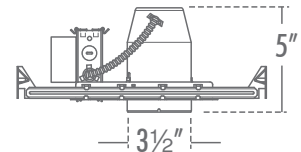
3" SHALLOW ECONOMY RECESSED LED (HOUSINGS & TRIMS)

LH3-QC



NEW CONSTRUCTION RECESSED LED HOUSING

LED • 24" Adjustable Hanger Bars • Airtight • IC rated • Quick Connector meets Title 24 and other standards restricting use of bi-pin and medium base sockets • ETL Listed for feed through and damp location.

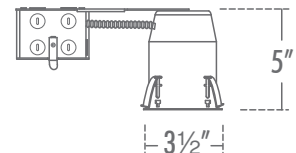


LH3R-QC





REMODEL RECESSED LED HOUSING



LED • Airtight • IC rated • Quick Connector meets Title 24 and other standards restricting use of bi-pin and medium base sockets • ETL Listed for feed through and damp location.



3" REFLECTOR LED TRIM

LRELD321	REFLECTOR / RING	LUMENS	RATING
	W : All White	-L03 : 230 Lm / 4W	Blank : None -WL : Wet Location
	B : Black/White	-L05 : 460 Lm / 9W	
	C : Clear/White		
	SN : Satin/Natural		
	N : All Natural		
	CO : All Copper		
	MO : All Mocha		

3" BAFFLE LED TRIM

LRELD393	BAFFLE / RING	LUMENS	RATING
	W : All White	-L03 : 230 Lm / 4W	Blank : None -WL : Wet Location
	B : Black/White	-L05 : 460 Lm / 9W	
	N : All Natural		
	CO : All Copper		
	MO : All Mocha		
			

LUMEN DISC LED SURFACE MOUNT DIMMABLE

FEATURES

- 10W, 800 Lumens, 80 Lumens per watts
- Available in 3000K & 4000K
- 85CRI for Incandescent-like output
- 120V Standard, 120V/277V Option
- 50,000 Hrs. L70 life based on TM21 Calculations from LM80 Tests
- Smoothly dims to 5% using Electronic Low Voltage Dimming systems
- Easily mounts directly to an octagonal J-Box
- Optional Accessories Kit allows installation into 5" & 6" Recessed Housings
- Energy Star Qualified, Title 24 compliant

Frosted Lens

eliminates LED lamp image and provides smooth lumen output similar to CFL

Removable Lens

for easy cleaning



ELV Dimming

Standard (120V only)

120V Standard

120V/277V Option

Retail Packaging

Ships in individual retail packaging, with UPC code



Easily Mounts to

standard octagonal electrical junction box



Adapter Kit

Available for use with 5" and 6" Line Voltage Recessed Housings



ORDERING

LCMLD56



Surface Mount Dimmable

FINISH	VOLTAGE	COLOR TEMP
W : White	Blank : 120V UE : 120V/277V	-T30 : 3000K -T40 : 4000K

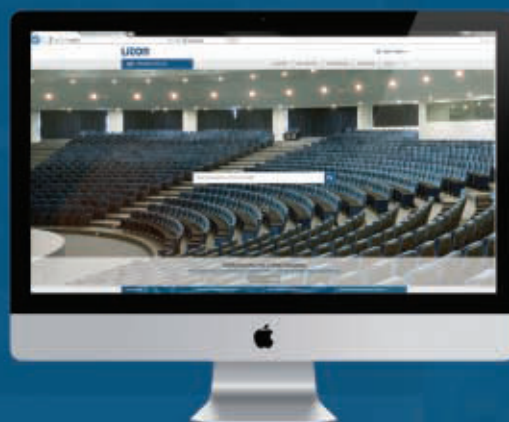
SHALLOW & SURFACE MOUNT LED



SHALLOW SQUARE
NO-HOUSING™
ARCHITECTURAL
SUPER SHALLOW
GLASS DECO
ECONOMY
SURFACE MOUNT
WALL WASH

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