

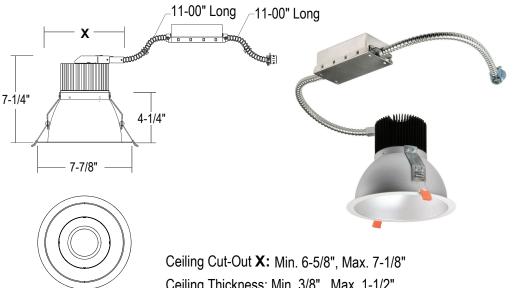
TYPE

CATALOG#

PROJECT

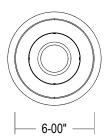
# CRTR6LS: 6" C·SERIES

LUMEN/COLORSELECT RETROFIT/REMODEL 1800LM - 4500LM (17W-50W)





- New junction box option for remodels without frames
- Twist and lock reflector for quick access to LED lamp array
- Heavy-duty self-flanged reflector
- No visible screws or hardware



Ceiling Thickness: Min. 3/8", Max. 1-1/2" for Retrofit with Spring Clip

### ORDERING: CRTR6LS1826SWUE-D10-TS354

LumenSelect Reflector   IC Option   Reflector   Dimming   ColorSelect   Junction Box     IC Option   Dimming'   Dimming   UE-D10   Junction Box     Non-IC   Blank   0-10V Dimming   UE-D10   Junction Box     IC Attend   ICA2   Athena Wireless Node   -AWN     Athena Wireless Node   -AWN   Athena Wireless Node   -AWN     Athena Wireless Node   -AWN   OctorSelect   Junction Box   -JB-CHP     LumenSelect Reflector   Reflector Finish   ColorSelect   ColorSelect   Junction Box   -JB-CHP     2200Im (22W)   White Ring   3000K, 3500K, 4000K (84CRI)   -TS354   3000K (84CRI)   3000K (84CRI)     3000Im (30W)   CRTR6L53042   All Black   BB   Clear Specular   CW   Reflector/White Ring   1800   2200   2600     3600Im (39W)   All Satin Haze   SS   CW   Reflector Reflector   BRVER SET LOW   DRIVER SET MID   DRIVER SET MID   DRIVER SET MID   DRIVER SET MID     34001m (39W)   All Satin Haze   SS   SS   CRTR6L53042   DRIVER SET MID   DRIVER SET MID   DRIVER SET MID <th>CRTR6LSxx</th> <th>xx</th> <th></th> <th>_</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	CRTR6LSxx	xx		_								
Non-ICBlank0-10V Dimming (120V/277V)UE-D10NoneBlankIC Rated/ICA2Athena Wireless Node Atirtight-AWNJunction Box Junction Box (Chicago Plenum)-JBLumenSelect ReflectorReflector FinishColorSelect Satin Haze Reflector/ColorSelect Satin Haze Reflector/ColorSelect 	LumenSelect Re					Dimming	ColorSele					
Non-ICBlank0-10V Dimming (120V/277V)UE-D10NoneBlankIC Rated/ICA2Athena Wireless Node Atirtight-AWNJunction Box Junction Box (Chicago Plenum)-JBLumenSelect ReflectorReflector FinishColorSelect Satin Haze Reflector/ColorSelect Satin Haze Reflector/ColorSelect Cocupancy Sensor-TS354 3000K, 3500K, 4000K (84CRI)3000lm (30W)CRTR6LS3042 All BlackAll BlackBB Clear Specular Reflector/White RingCRTR6LS1826 Clear Specular Reflector/White RingDRIVER SET LIOWDRIVER SET MID3000lm (39W)All BlackBB Clear Specular Reflector/White RingCRTR6LS1826 All Satin HazeDRIVER SET LIOWDRIVER SET MID4200lm (48W)All Satin HazeSSCRTR6LS3042 DRIVER SET LIOWDRIVER SET MIDDRIVER SET HIGHAll Satin HazeSSCRTR6LS3042 DRIVER SET LIOWDRIVER SET HIGHDRIVER SET HIGH									[			
IC Rated/   ICA²   (120V/277V) Athena Wireless Node Airtight   Junction Box Junction Box Athena Wireless Node Occupancy Sensor   -JB     LumenSelect Reflector   Reflector Finish   Junction Box (Chicago Plenum)   -JB-CHP     1800lm (17W)   CRTR6LS1826   Satin Haze Reflector/ White Ring   SW   ColorSelect     2200lm (22W)   White Reflector/ White Ring   WW   Satin Haze Reflector/ White Ring   SW     3000lm (30W)   CRTR6LS3042   All Black   BB   Clear Specular Reflector/White Ring   CW     3600lm (39W)   All Satin Haze   SS   SS   CRTR6LS3042   DRIVER SET LOW   DRIVER SET HIGH     14200lm (48W)   All Satin Haze   SS   SS   CRTR6LS3042   DRIVER SET HIGH		IC Option		_	Dimm	ing¹		_		Ju	unction Box	
LumenSelect ReflectorReflector FinishColorSelect1800lm (17W)CRTR6LS1826Satin Haze Reflector/SW2200lm (22W)White RingSatin Haze Reflector/SW2600lm (28W)White Reflector/WW3000lm (30W)CRTR6LS3042All BlackBB3600lm (39W)Clear Specular Reflector/White RingCW3600lm (39W)All Satin HazeSS3600lm (48W)All Satin HazeSS		Non-IC	Blank	Σ.		5	UE-D10			N	one	
1800lm (17W)   CRTR6LS1826   Satin Haze Reflector/   SW   Colorselect   -TS354     2200lm (22W)   White Ring   3000K, 3500K, 4000K (84CRI)     2600lm (28W)   White Reflector/   WW     3000lm (30W)   CRTR6LS3042   All Black   BB     3600lm (39W)   Clear Specular   CW   CRTR6LS1826   DRIVER SET LOW   DRIVER SET MID   DRIVER SET HIGH     4200lm (48W)   All Satin Haze   SS   CRTR6LS3042   DRIVER SET LOW   DRIVER SET HID   DRIVER SET HIGH			ICA <sup>2</sup>		Athena Athena	a Wireless Node a Wireless Node				Ju	unction Box	
2200lm (22W) White Ring 3000K, 3500K, 4000K (84CRI)   2600lm (28W) White Reflector/ White Ring WW   3000lm (30W) CRTR6LS3042 All Black BB   3600lm (39W) Clear Specular Reflector/White Ring CW CRTR6LS1826 DRIVER SET LOW DRIVER SET MID DRIVER SET HIGH   4200lm (48W) All Satin Haze SS CRTR6LS3042 DRIVER SET LOW DRIVER SET HID DRIVER SET HIGH	LumenSelect Re	flector	I	Reflector Finis	sh			ColorSelect				
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4200lm (48W) All Satin Haze SS CRTR6LS3042 DRIVER SET LOW DRIVER SET MID DRIVER SET HIGH	3600lm (39W)					CW						
	4200lm (48W)				e Ring	<i></i>		-			-	
3400lm (36W) CRTR6LS3445 LUMENS (delivered) 3000 3600 4200	$2400 \ln (26W)$		· · · · ·	All Satin Haze		22		LUMENS (deliver			3600	4200
CPTRGL S24/5 DRIVER SET I OW DRIVER SET MID DRIVER SET HIGH	. ,	CRIR0E33443						CRTR6LS344	45 DRIV	ER SET LOW	DRIVER SET MID	DRIVER SET HIGH
4000lm (44W) 4500lm (50W)	. ,							LUMENS (deliver	red) 3400	1	4000	4500

<sup>1</sup> All drivers are 120V/277V unless otherwise noted. <sup>2</sup> (ICA) is only available on 1800lm (17W), and 2200lm (22W)



2024.05.07



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LUMEN/COLORSELECT RETROFIT/REMODEL 1800LM - 4500LM (17W-50W)

### **SPECIFICATION**

	Architectural/Commercial-grade recessed lensed LED retrofit/remodel downlight
	for low to high ceilings with existing open style frame.
Retrofit Mounting	
	Designed for use with existing 6" Architectural, Incandescent, Fluorescent, and Metal Halide Housings. Supplied with flexible metal conduit for connection to existing electrical junction box. Uses existing frame-in-kits mounting method via clips. Consult factory for special mounting methods.
	Use the -JB Junction box option for remodel applications that don't have an existing housing frame or an electrical junction box close by. The retaining spring clips option allows for mounting to wood or gypsum board ceilings without the need of a frame.
Color Temperature (CCT)	
3000K 3500K 4000K	Available in 3000K, 3500K and 4000K in 84 CRI.
nsulation Contact	
	CRTR6LS1826 set to 17W (1800lm) or 22W (2200lm) are inherently thermally protected for direct insulation contact without the need for an enclosure. NON-IC rated housings must be kept 3" from loose-fill insulation.
Power Connection	
	LED lamp array is replaceable via on board quick disconnect terminal. Meets CA Title 24 requirements and other standards restricting the use of Medium Base or Bi-Pin sockets.
Thermal Management	
	Heat dissipation facilitated by a large exposed integral aluminum heat sink to maximize heat dissipation in an open-air environment. IC Option thermally engineered to ensure stated L70 LED life without the need for external box. The recommended ambient temperature should b below 35°C to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.
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, installatior exceeding this temperature will result in reduced LED lamp life and a voided warranty.





## CRTR6LS: 6" C·SERIES

LUMEN/COLORSELECT RETROFIT/REMODEL 1800LM - 4500LM (17W-50W)

## SPECIFICATION (Continued)

Reflector

Field adjustable twist and lock reflector is easily removable to provide quick access to LED lamp array. Frosted polycarbonate lens pre-installed on reflector unifies diode sources and protects diodes from dust and particles from front of aperture.

#### **Reflector Finish**

The 1-piece, self-flanged, LED design enables a clean trim finish without a secondary trim ring. Heavy gauge aluminum reflector prevents ugly dents during shipping & installation. Deeply mounted singular LED provides 50° visual cutoff. Available in Satin Haze Reflector/White Finish, White Reflector/White Finish, All Black, Clear Specular Reflector/White Finish, and All Satin Haze.



#### Junction Box

(-JB) option is 18-gauge pre-wired aluminum Junction Box, 18 cubic-inch for a maximum of (6) #12AWG wires. Furnished with (2) 1/2" knockouts. Strain clamps to install or remove covers for easy access and ground wire.

(-JB-CHP) option is Chicago Plenum, air-tight Junction Box

#### Airflow

IC-Rated/Airtight (ICA) reflector design is designed to restrict air flow from room into plenums in compliance to the WSEC - Washington State Energy Code, (Less than 2.0 CFM -Cubic Feet per Minute).

#### **Certifications and Listings**



cETLus listed. Suitable for dry, and wet locations. NYC approved. Calendar #41937. Conforms to City of Chicago Environmental Air CCEA-200 with Section 18-27-300.22 and special requirements Section 14-20-210C-4. Assembled in USA.

#### Caution

LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty. (+1KV). Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.





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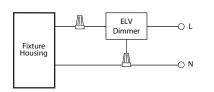
## SPECIFICATION (Continued)

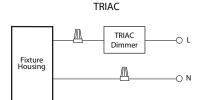
#### **Dimming Options**

#### ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

#### Incandescent/Phase Wiring ELV





#### 0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

0 - 10V Wiring

DIM-

DIM-

0 - 10V

Dimmer

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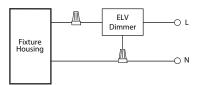
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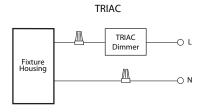
Fixture Housing

#### UniDim<sup>™</sup> Driver 120V/277V (UE-DUN):

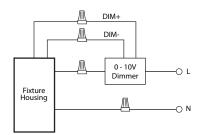
All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.











#### ATHENA WIRELESS NODE (-AWN, -AWN-OCC)

Radio frequency (RF) device for digital control of light fixtures in an Athena control system. Athena wireless processor or Clear Connect gateway-Type X is required to operate wirless node.

- · Pre-Wired wireless node
- Installed on Junction Box outer wall
- 2.4 GHz
- cULus Listed (UL 916)
- UL 2043 Plenum Rated
- FCC compliant with the lmits for a Class B digital device
- ANSI C1371.1 0-10V Electronic Off
- D4i certified
- IC (Industry Canda)
- · Supports DALI-2 Type 8 tuneable-white color temperature Tc applications IEC62386-209 ed.1