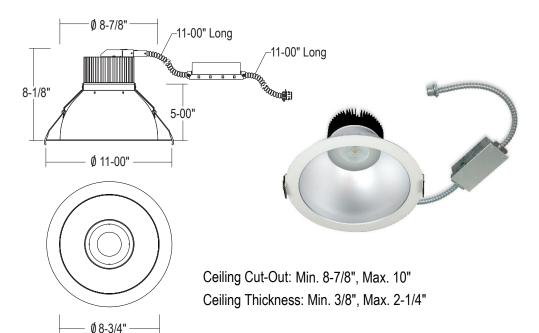
CATALOG#

TYPE

CRTR9LC: 9"/10" **C**·**S**∈RIES

(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)















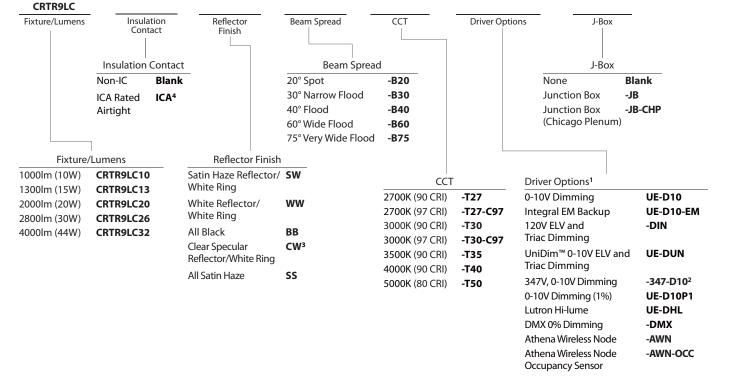






- Quick connector power adapter and twist-and-lock reflector for quick access and easy maintenance
- Heavy-duty springs and self-flanged reflector
- Several lumen packages with soft even illumination
- · No visible screws or hardware

ORDERING: CRTR9LC10SW-B40-T27UE-D10-JB-CHP



¹ All drivers are 120V/277V unless otherwise noted.

- ²-347-D10 is not available for CRTR9LC10.
- ³Clear finish reflector not recommended for placing close to vertical surfaces. Uneven striations may be visible.
- ⁴ICA is only available for CRTR9LC10, CRTR9LC13, CRTR9LC20, and CRTR9LC26.





(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

SPECIFICATION

Application

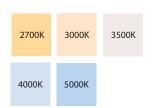
Architectural/Commercial-grade recessed (COB) Chip on Board Beam Control LED allows for concentrated high center beam candlepower. Twist and lock TIR beam control optic is designed for easy field replacement of 25°, 40°, 60°, and 90° beam spread options.

Retrofit Mounting

Designed for use with existing 9" 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)



Available in 2700K, 3000K, 3500K, 4000K, 90 CRI; 5000K 80 CRI; 2700K and 3000K, 97 CRI.

COLOR TEMP: 2700K 3000K 3500K 4000K 5000K CRI: 90, 97 90, 97 90 90 80

Insulation Contact

(CRTR9LC10), (CRTR9LC15), (CRTR9LC20), and (CRTR9LC26) 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

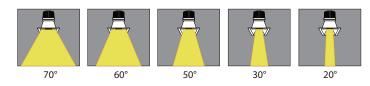
Our LED lamp array is replaceable via our on board quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Thermal Management

Heat dissipation facilitated by a large exposed integral aluminum heat sink to maximize heat dissipation in an open-air environment. The recommended ambient temperature should be below 35°C to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.

Optics

Multifaceted aluminum reflectors produces low glare illumination with multiple light control options.





(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

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 are included to install or remove covers for an easily accessed ground wire. (-JB-CHP) option is Chicago Plenum, airtight Junction Box.

Certifications and Listings





cETLus listed. Suitable for dry, and damp, 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

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.



(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

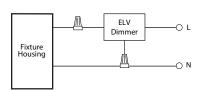
SPECIFICATION (Continued)

Dimming Options

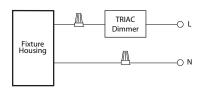
ELV and TRIAC Driver 120V (-DIN):

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



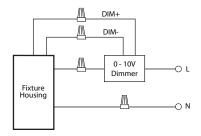
TRIAC



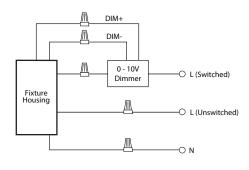
0-10V Driver 120V/277V (UE-D10):

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



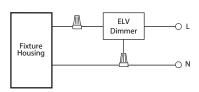
UE-D10-EM Wiring



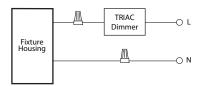
UniDim™ Driver 120V/277V (UE-DUN):

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.

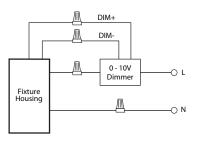
Incandescent/Phase Wiring ELV



TRIAC



0 - 10V Wiring



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

\$LUTRON

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



(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

SPECIFICATION (Continued)

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.

Emergency Options

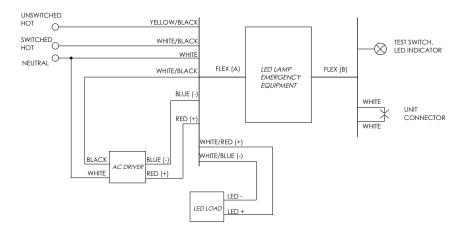
Emergency LED Battery Back-up available, remotely mounted adjacently by the installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch and plate cover included. Optional Generator Transfer Device switches the driver to auxiliary generator power during the loss of normal AC power, (recommended for applications requiring individual circuit switching).

INTEGRAL EMERGENCY BATTERY (UE-D10-EM): 10W

For installation away from the surface of the building in remote hidden location.

- · Hidden Emergency Equipment
- Must be installed in Dry Locations
- 10W constant output to LED lamp

Not rated for outdoor mounting. Damp location rated.



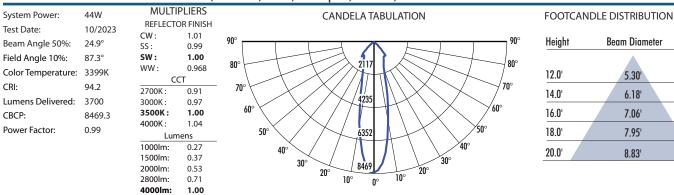
120-277VAC/60Hz
10W
10W
<3s
12h
90 minutes
0°C
48°C
800lm
Yes



(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

PHOTOMETRY

CRTR9LC32CW-B20-T35UE-D10 (4000lm, 40W, 20° Spot, 3500K)



CRTR9LC32CW-B30-T35UE-D10 (4000lm, 40W, 30° Narrow Flood, 3500K)

System Power: Test Date:	43W 10/2023		PLIERS OR FINISH	CANDELA TABULATION	FOOTCAN	DLE DISTRIBUTION	
Beam Angle 50%:	36.0°	CW: SS:	1.01 0.99	90°	Height	Beam Diameter	FC
Field Angle 10%:	91.7°	SW:	1.00	80°			
Color Temperature:	3378K	WW:	0.968 CT	80°	12.0'	7.80'	43.01
CRI:	94.3	2700K:	0.91	70°	14.0'	9.10'	31.60
Lumens Delivered:	3752	3000K:	0.97	3097	17.0	7.10	31.00
CBCP:	6194.1	3500K:	1.00	60°	16.0'	10.40'	24.20
Power Factor:	0.99	4000K : Lum	1.04 nens	50°	18.0'	11.70'	19.12
		1000lm:	0.27	40°	20.01	10.00	15.40
		1500lm:	0.37	30°	20.0'	13.00'	15.49
		2000lm:	0.53	200 6194			
		2800lm:	0.71	10° 0° 10°			
		4000lm:	1.00	•			

CRTR9LC32CW-B40-T35UE-D10 (4000lm, 40W, 40° Flood, 3500K)

System Power:	43W		PLIERS	CANDELA TABULATION	FOOTCAN	DLE DISTRIBUTION	
Test Date:	10/2023		OR FINISH				
Beam Angle 50%:	37.0°	CW: SS:	1.01 0.99	90°	Height	Beam Diameter	FC
Field Angle 10%:	90.1°	SW:	1.00	80°			
Color Temperature:	3261K	WW:	0.968	80°	12.0'	8.03'	34.49
CRI:	93.8	2700K:	0.91	70° / / / / / / / / / / / / / / / / / / /	14.0'	9.37'	25.34
Lumens Delivered:	3018	3000K:	0.97	60°			
CBCP:	4967.0	3500K:	1.00	60°	16.0'	10.71'	19.40
Power Factor:	0.99	4000K:	1.04	50°	18.0'	12.05'	15.33
rowerractor.	0.99	Lun	nens	30 3723	10.0	12.00	15.33
		1000lm:	0.27	40° / / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	20.0'	13.38'	12.42
		1500lm:	0.37	200	20.0	13.30	12.72
		2000lm:	0.53	200 200			
		2800lm:	0.71	10° 0° 10°			
		4000lm:	1.00	·			

CRTR9LC32CW-B60-T35UE-D10 (4000lm, 40W, 60° Wide Flood, 3500K)

MUITIPI IFRS

System Power:	43W		OR FINISH	CANDELA TABULATION	FOOTCAN	DLE DISTRIBUTION	
Test Date:	10/2023	CW:	1.01				
Beam Angle 50%:	55.9°	SS:	0.99	90°	Height	Beam Diameter	FC
Field Angle 10%:	93.7°	SW:	1.00	80°			
Color Temperature:	3310K	WW:	0.968 CT	80°	12.0'	12.73'	27.63
CRI:	93.8	2700K:	0.91	70° \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14.0'	14.0/1	20.30
Lumens Delivered:	2104	3000K:	0.97	1989	14.0	14.86'	20.30
CBCP:	3978.1	3500K:	1.00	60°	16.0'	16.98'	15.54
Power Factor:	0.99	4000K : Lun	1.04 nens	50°	18.0'	19.10'	12.28
		1000lm:	0.27	40°	20.0'	21.22'	9.95
		1500lm:	0.37		20.0	21.22	7.73
		2000lm:	0.53	30 3976 70°			
		2800lm:	0.71	10° 0° 10°			
		4000lm:	1.00	·			

FC

58.81

43.21

33.08

26.14

21.17

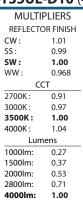


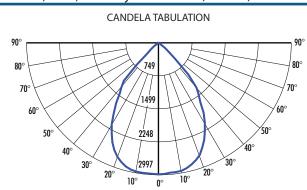
(COB) CHIP ON BOARD BEAM CONTROL LED, RETROFIT/REMODEL 1000LM - 4000LM (10W-44W)

PHOTOMETRY (Continued)

CRTR9LC32CW-B75-T35UE-D10 (4000lm, 40W, 75° Very Wide Flood, 3500K)

System Power:	43W
Test Date:	10/2023
Beam Angle 50%:	74.2°
Field Angle 10%:	96.2°
Color Temperature:	3351K
CRI:	94.0
Lumens Delivered:	3900
CBCP:	2997.3
Power Factor:	0.99





FOOTCAN	IDLE DISTRIBUTION	
Height	Beam Diameter	FC
12.0'	18.15	20.81
14.0'	21.18'	15.29
16.0'	24.20'	11.71
18.0'	27.23'	9.25
20.0'	30.25'	7.49