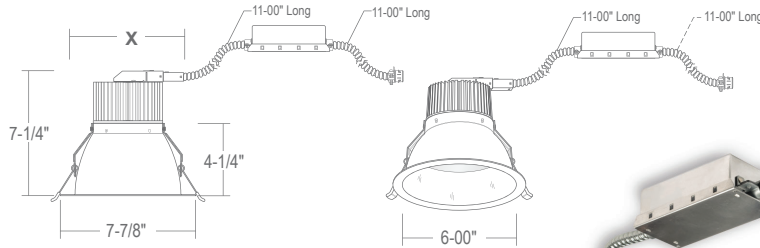


CRTR6L - 6" C-SERIES

LED DOWNLIGHT RETROFIT/REMODEL 1000LM - 6000LM (8W-55W)



Ceiling Cut-Out X: = Min. 6-5/8", Max. 7-1/8", Ceiling Thickness: Min. 3/8", Max. 1-1/2", for Retrofit with Spring Clip.



- 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

ORDERING : CRTR6L10SWUE-D10-T30

CRTR6L		Reflector Finish		CCT		J-Box	
Fixture/Lumens	Insulation Contact	Reflector Finish	Driver Options	CCT	CCT	J-Box	
	Insulation Contact						
	Non-IC	Satin Haze Reflector/ White Ring	SW		2700K (84 CRI)	-T27 ⁷	None
	IC Rated/ Airtight	White Reflector/ White Ring	WW		3000K (84 CRI)	-T30	Junction Box
		All Black	BB		3500K (84 CRI)	-T35	Junction Box
		Clear Specular Reflector/White Ring	CW		4000K (84 CRI)	-T40	(Chicago Plenum)
		All Satin Haze	SS		5000K (84 CRI)	-T50 ⁹	
		</					

² All drivers are 120V/277V unless otherwise noted.

⁵ (ICA) is only available on CRTR6L08, CRTR6L10 and CRTR6L15.

⁶ (-347) not available for CRTR6L08.

⁷ (-T27) not available for CRTR6L60.

⁸ CRTR6L40 only available with UE-D10, UE-D10P1 and -347 dimming options.

⁹ (-T50) not available for CRTR6L53 and CRTR6L60.

COMPATABILITY

P-CR672

6" Com. Wall Wash Accessory



VR800

Outdoor Vandal Resistant Kit



SPECIFICATION

Application

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 like LITON Brand LVH6, and LH600. Supplied with flexible metal conduit for connection to existing electrical junction box. Uses existing frame-in-kits mounting method via clips. Fits Lithonia LP6U, Lightolier 1102P1, Gotham 6" AFV (CJ00263) Frame using PST041 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.

Driver

120V/277V AC 50/60Hz Electronic Direct Current Class 2. Input current 0.50 Amps at 115VAC. Power Factor > 0.90. Operating Temperature: -20°C to +50°C / -4°F to +131°F. Accessible from above or below ceiling.

Standard 0-10V works with most 5-wire, 0-10V dimmers. Factory qualified for use with Leviton IP710-DLZ.

(UE-DUN) Uni-Dim™ dimming option is a universal dimming system that works with most 120V, 3-wire ELV, 2-wire incandescent, and 120V/277V, 5-wire, 0-10V fluorescent dimmers.

(-DIN) dimming option smoothly dims down to 5% of initial light output with flicker-free performance. Works with standard 120V incandescent dimmers.

(UE-DHL) Lutron HiLume is a 3-wire driver that provides smooth, continuous 1% dimming for virtually any LED fixture.

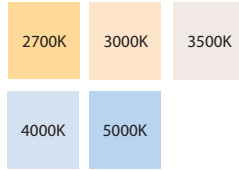
(UE-ECO) Works with Lutron EcoSystem digital controls. Precision microprocessor control and integral thermal management deliver energy savings and extended product life.

(-347) is a 0-10V driver that takes 347V input.

(UE-D10P1) 0-10V dims down to 1% and works with most 120V/277V, 5-wire, 0-10V dimmers.

SPECIFICATION (Continued)

Color Temperature



Available in 2700K, 3000K, 3500K, 4000K and 5000K.

Insulation Contact

Non-IC rated housing must be kept 3" from loose-fill insulation. IC rated option for direct insulation contact.

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 be below 35°C to achieve a minimum L70 life of 50,000 hours according to the LM80 standard.

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

1-piece, self-flanged, dual reflector LED design enables a clean trim finish without 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 and Clear Specular Reflector White Ring.

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.

SPECIFICATION (Continued)**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, damp, 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.

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.

Energy Star Qualified Items

/CRTR6L22_-T30
/CRTR6L22_-T35
/CRTR6L22_-T40

/CRTR6L36_-T30
/CRTR6L36_-T35
/CRTR6L36_-T40

Quick Ship Items

All item options are Quick Ship.

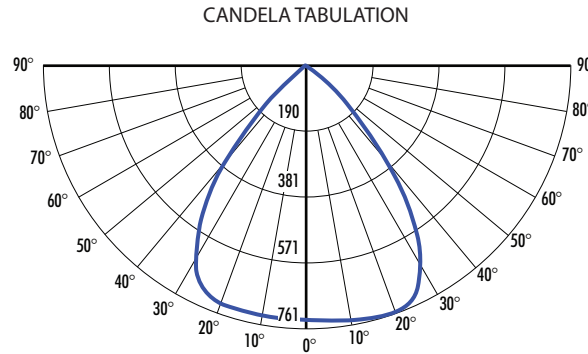
Emergency Options

Integral Emergency LED Battery Back-up available. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Test switch mounted on reflector face. 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).

PHOTOMETRY

CRTR6L08CWUE-D10-T40 (1000lm, 8W, 4000K)

System Power:	11W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	79.6°	CW : 1.00	
Field Angle 10%:	104.2°	SS : 0.90	
Color Temperature:	3787K	SW : 0.88	
CRI:	83	WW : 0.66	
Lumens Delivered:	1168	CCT	
CBCP:	761.2	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

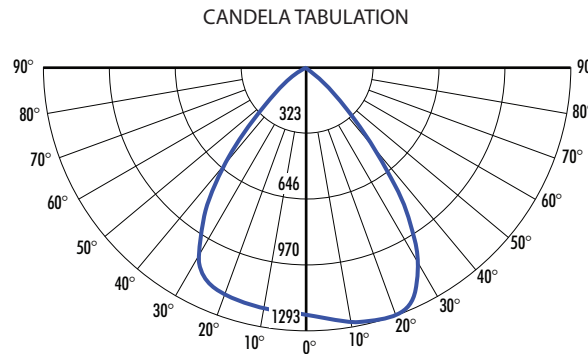


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	13.33'	11.58
10.0'	16.66'	7.41
12.0'	20.00'	5.15
14.0'	23.33'	3.78
16.0'	26.66'	2.89

CRTR6L10CWUE-D10-T40 (1900lm, 17W, 4000K)

System Power:	17W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.0°	CW : 1.00	
Field Angle 10%:	102.3°	SS : 0.90	
Color Temperature:	3893K	SW : 0.88	
CRI:	82.6	WW : 0.66	
Lumens Delivered:	1873	CCT	
CBCP:	1292.5	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

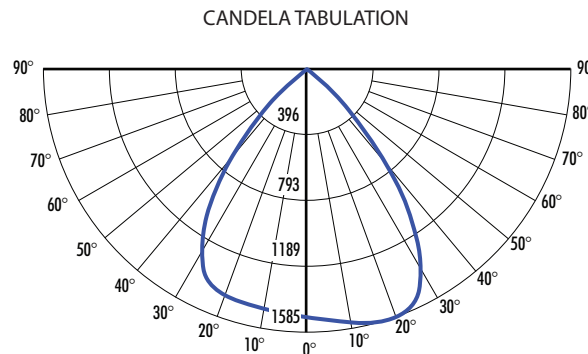


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.96'	18.92
10.0'	16.20'	12.11
12.0'	19.43'	8.44
14.0'	22.67'	6.20
16.0'	25.91'	4.75

CRTR6L15CWUE-D10-T40 (2300lm, 22W, 4000K)

System Power:	22W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.1°	CW : 1.00	
Field Angle 10%:	102.8°	SS : 0.90	
Color Temperature:	3899K	SW : 0.88	
CRI:	82.4	WW : 0.66	
Lumens Delivered:	2313	CCT	
CBCP:	1584.7	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

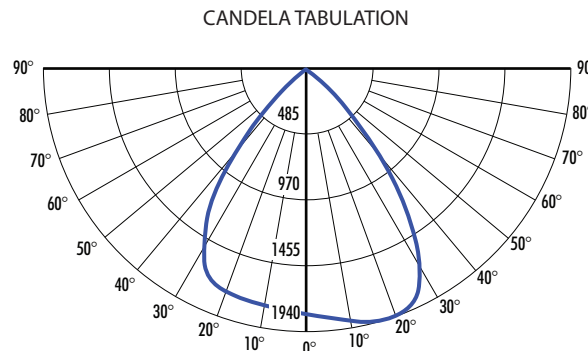


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.97'	20.29
10.0'	16.22'	14.90
12.0'	19.47'	10.38
14.0'	22.71'	7.63
16.0'	25.96'	5.84

CRTR6L22CWUE-D10-T40 (2800lm, 28W, 4000K)

System Power:	28W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	77.8°	CW : 1.00	
Field Angle 10%:	102.6°	SS : 0.90	
Color Temperature:	3903K	SW : 0.88	
CRI:	82.2	WW : 0.66	
Lumens Delivered:	2803	CCT	
CBCP:	1939.6	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	



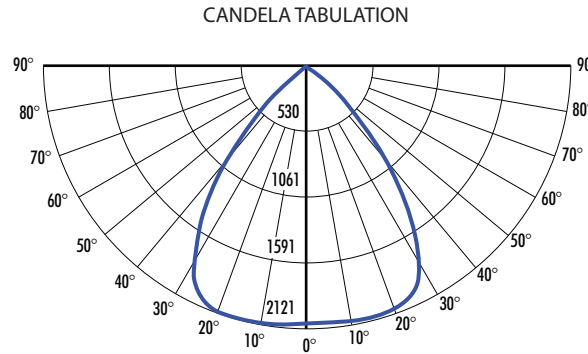
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	12.91'	28.19
10.0'	16.14'	18.04
12.0'	10.37'	12.61
14.0'	22.59'	9.27
16.0'	25.82'	7.09

PHOTOMETRY (Continued)

CRTR6L29CWUE-D10-T40 (3100lm, 30W, 4000K)

System Power:	30W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.5°	CW : 1.00	
Field Angle 10%:	103.0°	SS : 0.90	
Color Temperature:	3902K	SW : 0.88	
CRI:	82.1	WW : 0.66	
Lumens Delivered:	3182	CCT	
CBCP:	2121.3	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

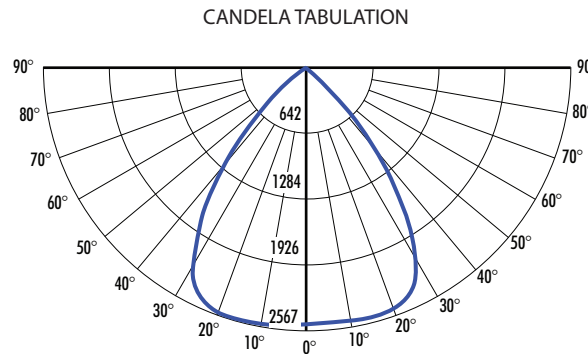


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	13.07'	32.63
10.0'	16.34'	20.88
12.0'	19.61'	14.50
14.0'	22.88'	10.66
16.0'	26.14'	8.16

CRTR6L30CWUE-D10-T40 (3800lm, 38W, 4000K)

System Power:	39W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.5°	CW : 1.00	
Field Angle 10%:	103.1°	SS : 0.90	
Color Temperature:	3916K	SW : 0.88	
CRI:	82.0	WW : 0.66	
Lumens Delivered:	3850	CCT	
CBCP:	2567.4	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

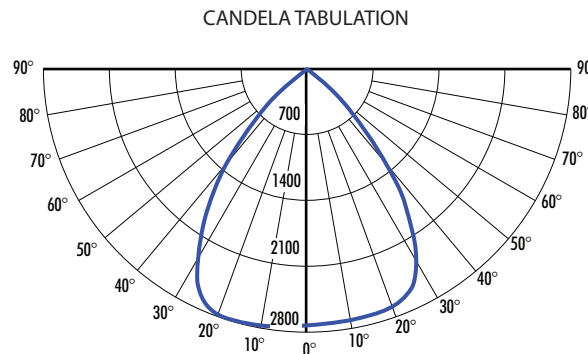


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	13.07'	39.51
10.0'	16.34'	25.29
12.0'	19.61'	17.56
14.0'	22.88'	12.90
16.0'	26.14'	9.88

CRTR6L36CWUE-D10-T40 (4300lm, 45W, 4000K)

System Power:	45W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	78.5°	CW : 1.00	
Field Angle 10%:	103.2°	SS : 0.90	
Color Temperature:	3976K	SW : 0.88	
CRI:	83.5	WW : 0.66	
Lumens Delivered:	4181	CCT	
CBCP:	2800.2	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	

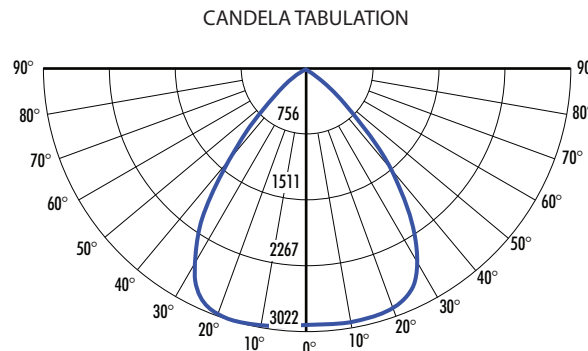


FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	13.07'	42.78
10.0'	16.34'	27.38
12.0'	19.61'	19.01
14.0'	22.88'	13.97
16.0'	26.14'	10.70

CRTR6L39CWUE-D10-T40 (4600lm, 45W, 4000K)

System Power:	47W	MULTIPLIERS	
Test Date:	09/2023	REFLECTOR FINISH	
Beam Angle 50%:	79.4°	CW : 1.00	
Field Angle 10%:	104.7°	SS : 0.90	
Color Temperature:	3908K	SW : 0.88	
CRI:	83.5	WW : 0.66	
Lumens Delivered:	4622	CCT	
CBCP:	3022.2	2700K : 1.04	
Power Factor:	0.99	3000K : 1.01	
		3500K : 1.12	
		4000K : 1.00	



FOOTCANDLE DISTRIBUTION

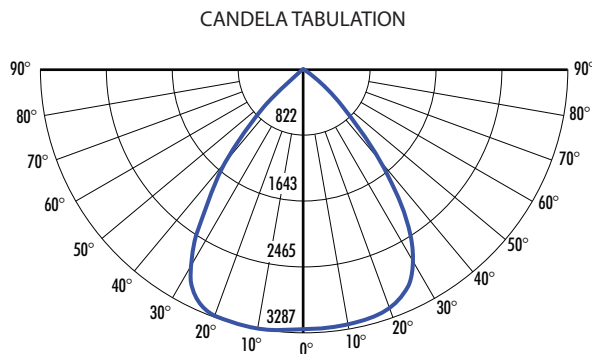
Height	Beam Diameter	FC
8.0'	13.28'	46.03
10.0'	16.60'	29.46
12.0'	19.93'	20.46
14.0'	23.25'	15.03
16.0'	26.57'	11.51

PHOTOMETRY (Continued)

CRTR6L40CWUE-D10-T40 (4900lm, 55W, 4000K)

System Power:	53W
Test Date:	09/2023
Beam Angle 50%:	78.6°
Field Angle 10%:	103.4°
Color Temperature:	3929K
CRI:	82.2
Lumens Delivered:	4918
CBCP:	3286.5
Power Factor:	0.99

MULTIPLIERS	
REFLECTOR FINISH	
CW:	1.00
SS:	0.90
SW:	0.88
WW:	0.66
CCT	
2700K:	1.04
3000K:	1.01
3500K:	1.12
4000K:	1.00

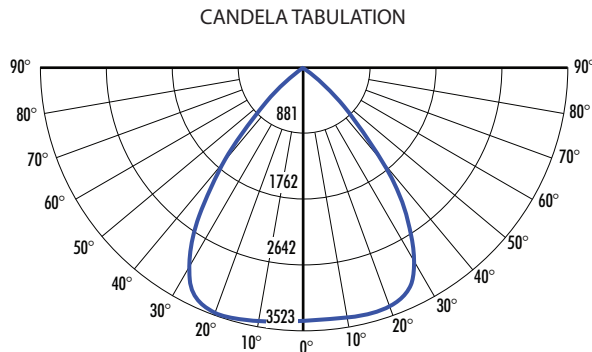


Height	Beam Diameter	FC
8.0'	13.10'	50.57
10.0'	16.37'	32.36
12.0'	19.64'	22.47
14.0'	22.92'	16.51
16.0'	26.19'	12.64

CRTR6L53CWUE-D10-T40 (5400lm, 45W, 4000K)

System Power:	43W
Test Date:	09/2023
Beam Angle 50%:	79.5°
Field Angle 10%:	104.5°
Color Temperature:	3885K
CRI:	83.2
Lumens Delivered:	5408
CBCP:	3523.1
Power Factor:	0.99

MULTIPLIERS	
REFLECTOR FINISH	
CW:	1.00
SS:	0.90
SW:	0.88
WW:	0.66
CCT	
2700K:	1.04
3000K:	1.01
3500K:	1.12
4000K:	1.00

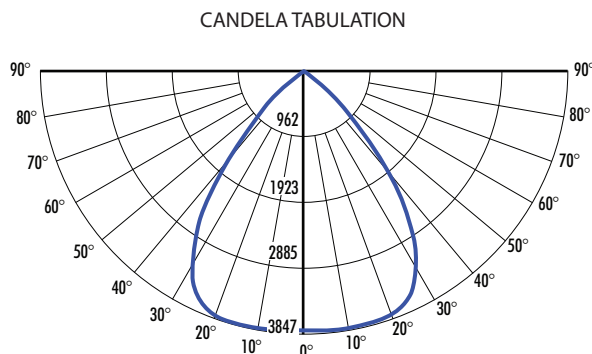


Height	Beam Diameter	FC
8.0'	13.31'	53.26
10.0'	16.63'	34.08
12.0'	19.96'	23.67
14.0'	23.29'	17.39
16.0'	26.61'	13.31

CRTR6L60CWUE-D10-T40 (6000lm, 50W, 4000K)

System Power:	48W
Test Date:	09/2023
Beam Angle 50%:	79.4°
Field Angle 10%:	104.5°
Color Temperature:	4041K
CRI:	83.7
Lumens Delivered:	5896
CBCP:	3846.3
Power Factor:	0.99

MULTIPLIERS	
REFLECTOR FINISH	
CW:	1.00
SS:	0.90
SW:	0.88
WW:	0.66
CCT	
2700K:	1.04
3000K:	1.01
3500K:	1.12
4000K:	1.00



Height	Beam Diameter	FC
8.0'	13.28'	59.65
10.0'	16.60'	38.18
12.0'	19.93'	26.51
14.0'	23.25'	19.48
16.0'	26.57'	14.91