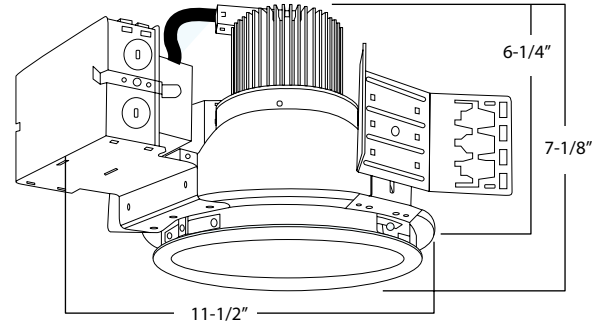




GENERAL INFORMATION

USE OF PRODUCT

The 6" Builders Plus LED Commercial Downlight series is the ideal product for energy-efficient lighting in Non-IC new construction commercial applications. Available in three color temperatures and lumen packages. Deep cone reflector designed for anti-glare purposes.

BUILDERS PLUS FEATURES

Lumen Selectable:
LS07- 700 lm, 910 lm, 1340 lm, 1680 lm, 1850 lm
LS2- 2300 lm, 3000 lm, 3570 lm
LS4- 4000 lm, 4500 lm, 5100 lm
Color Temperature Selectable:
2700K, 3000K, 3500K, 4000K, 5000K
Locking mechanism optional
Optical Lens: 70° standard
Color Rendering Index: 84+ CRI
LED Life: 50,000 hours
Driver Info: 120–277V; 50/60 Hz
Operating Temperature: -30°C–40°C

LED ENGINE

LED engine available in 5CTS 2700K, 3000K, 3500K, 4000K, 5000K (LS07 and LS2) and 3CTS 3000K, 3500K, 4000K (LS4) in 84+ CRI. Color temperature may be modified in field or preset with locking mechanism. LED Mounted to aluminum heat sink for maximum life output and thermal management.

FRAME CONSTRUCTION

Architectural frame includes butterfly brackets to accommodate c-channel or flat bar hangers to tie down to ceiling grids. Junction box mounted to frame for easy wire access and for driver installation/replacement.

DIMMING

LED driver accommodates 120–277V input with 0–10V dimming protocol. Fixture available in three selectable lumen packages. **LS07** (700 lm, 910 lm, 1340 lm, 1680 lm, 1850 lm), **LS2** (2300 lm, 3000 lm, 3570 lm), **LS4** (4000 lm, 4500 lm, 5100 lm). Lumens may be modified in field or optional lumen locking mechanism available upon request.

TRIM

Self-flanged spun aluminum reflector with frosted lens to shield direct view from LEDs. Reflector available in haze finish with white trim.

EMERGENCY BATTERY

Optional emergency battery available for a minimum of 90 minutes with both integral or remote test switch in 800 delivered lumens.

INSTALLATION

Non-IC housing. Insulation must be kept at least 3" away from fixture.

LABELS/COMPLIANCE

- cUL listed
- Energy Star
- Title 24
- Wet location
- 5-year limited warranty



ORDERING INFORMATION

SERIES	HOUSING	LUMENS	COLOR TEMPERATURE SHIFT	REFLECTOR	TRIM
RBC6	FN - New Construction	LS07¹ - Lumen Selectable (700, 910, 1340, 1680, 1850, lm) LL07 - Lumen Locked at 700 lm LL09 - Lumen Locked at 910 lm LL13 - Lumen Locked at 1340 lm LL16 - Lumen Locked at 1680 lm LL19 - Lumen Locked at 1850 lm LS2² - Lumen Selectable (2300, 3000, 3400 lm) LL23 - Lumens Locked at 2300 lm LL30 - Lumens Locked at 3000 lm LL34 - Lumens Locked at 3400 lm LS4³ - Lumen Selectable (4000, 4500, 5100 lm) LL40 - Lumens Locked at 4000 lm LL45 - Lumens Locked at 4500 lm LL51 - Lumens Locked at 5100 lm	5CTS - ColorTemp. Selectable (2700K, 3000K, 3500K, 4000K, 5000K) CT27 - Locked at 2700K CT30 - Locked at 3000K CT35 - Locked at 3500K CT40 - Locked at 4000K CT50 - Locked at 5000K 5CTS - ColorTemp. Selectable (2700K, 3000K, 3500K, 4000K, 5000K) CT27 - Locked at 2700K CT30 - Locked at 3000K CT35 - Locked at 3500K CT40 - Locked at 4000K CT50 - Locked at 5000K 3CTS - ColorTemp. Selectable (3500K, 4000K, 5000K) CT35 - Locked at 3500K CT40 - Locked at 4000K CT50 - Locked at 5000K	W - White H - Haze	W - White

FRAME ACCESSORIES

C - C-Channel Bar Hanger
UH - Universal Bar Hanger

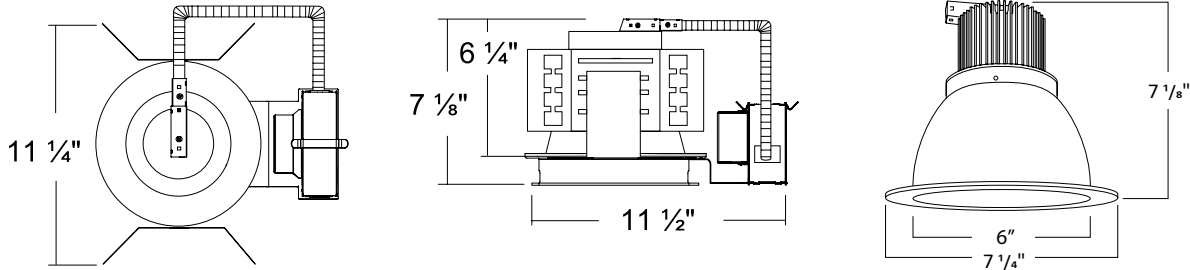
OPTIONS

EI8W - Emergency Battery with Integral Switch (8 Watts)
ER8W - Emergency Battery with Remote Switch (8 Watts)
EI15W - Emergency Battery with Integral Switch (15 Watts)
ER15W - Emergency Battery with Remote Switch (15 Watts)

Notes

1. Lumen selectable between 710 lm, 910 lm, 1330 lm, 1680 lm, 1940 lm. Lumens may be modified in field.
2. Lumen selectable between 2300 lm, 3000 lm, 3570 lm. Lumens may be modified in field.
3. Lumen selectable between 4000 lm, 4500 lm, 5100 lm. Lumens may be modified in field.

DIMENSIONS



WATT/LUMEN CHARTS

	Wattage	2700K	3000K	3500K	4000K	5000K
LS07	8W	660 lm	700 lm	730 lm	770 lm	810 lm
	11W	830 lm	910 lm	950 lm	990 lm	1070 lm
	18W	1280 lm	1340 lm	1400 lm	1470 lm	1550 lm
	25W	1590 lm	1680 lm	1770 lm	1840 lm	1940 lm
	29W	1770 lm	1850 lm	1940 lm	2020 lm	2130 lm

	Wattage	Lumens	CRI	Switch
LS2	29W	2300 lm	84+	Low
	39W	3000 lm	84+	Medium
	48W	3570 lm	84+	High
LS4	50W	4000 lm	84+	Low
	60W	4500 lm	84+	Medium
	70W	5100 lm	84+	High

*Lumens values are rounded.
Exact photometric data is available in the IES files.

LIST OF COMPATIBLE DIMMERS

(120/277V 0-10 Dimming)

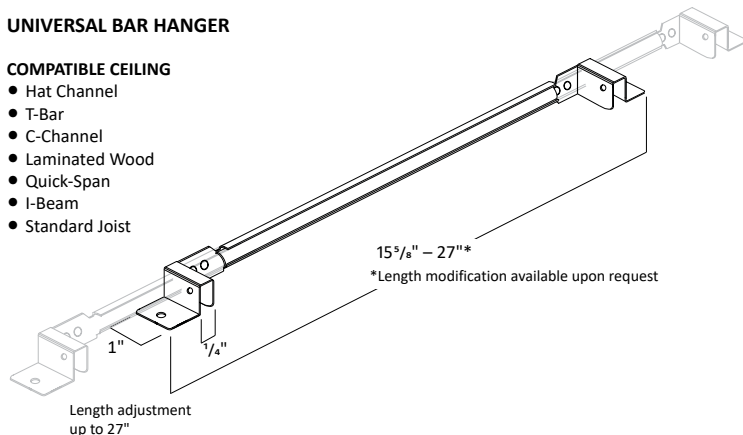
MFR	MODEL#	DIMMING RATE
Lutron	NFTV	1-100%
Lutron	NTSTV-DV	1-100%
Legrand	CD4FBLW	1-100%
Leviton	1P710-DL	1-100%

FRAME ACCESSORIES

UNIVERSAL BAR HANGER

COMPATIBLE CEILING

- Hat Channel
- T-Bar
- C-Channel
- Laminated Wood
- Quick-Span
- I-Beam
- Standard Joist



C-CHANNEL BAR HANGER

