



illumination**Devices**

LE-XCRC LED LIGHT ENGINE



ABOUT THE LE-XCRC LED LIGHT ENGINE

The LE-XCRC is part of a series of compact AC Light Engines that can greatly reduce system costs for many applications where high lumen output is required. Integrated power circuitry allows for connection directly to mains power (110-130V), eliminating the need for external LED drivers, reducing fixture size and complexity. A wide range of CCTs are available.

FEATURES

- Direct AC Connection
- No External Power Supply Required
- 2000K to 5000K CCT
- Available in 90 CRI Minimum & Higher
- Small Size Reduces Fixture Cost
- Triac Compatible (dimming)
- Optional Lenses Available
- On-Board Thermal Management Prevents Overheating
- Designed to Meet Energy Star Requirements for Certification
- UL Recognized Component File No. E362275
- Conformal Coating Available

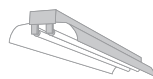
APPLICATIONS



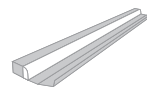
WALL SCONCE



UNDER CABINET



LINEAR FIXTURE



COVE LIGHT



TASK LAMP



USA TEL: •1.866.376.6170

| illuminationdevices.com

| 310 HURRICANE LN. SUITE 3

| WILLISTON, VT

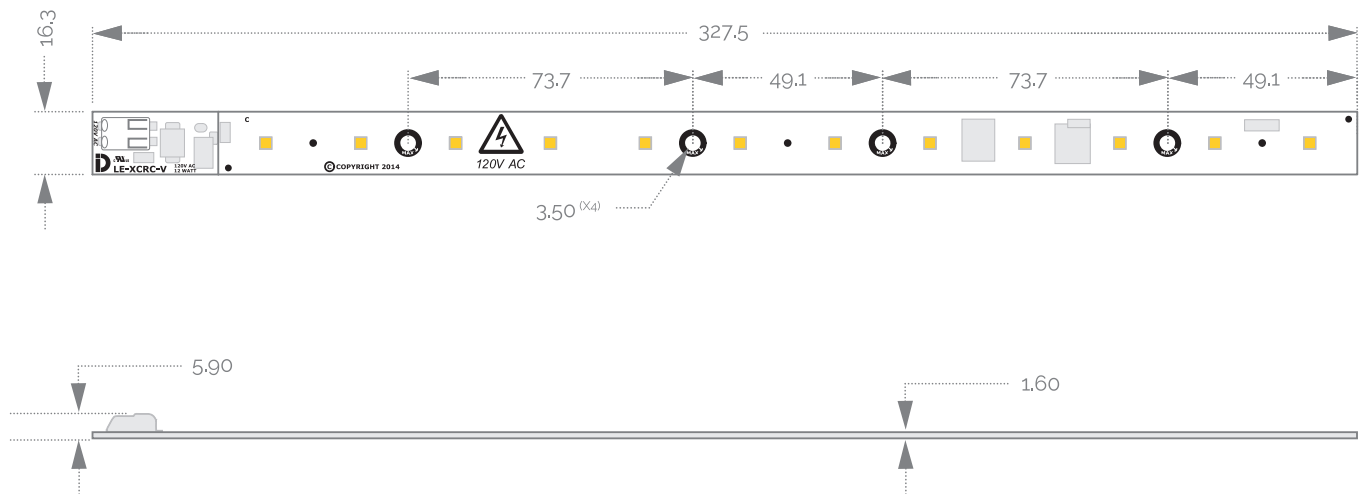
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CHARACTERISTICS

PARAMETER	UNIT	MINIMUM	TYPICAL	MAXIMUM
INPUT VOLTAGE	VAC	90	120	135
POWER	W	-	12	15
LUMINOUS FLUX (@25°C TPCB) 5000K - R80	LM	820	880	970
LUMINOUS FLUX (@25°C TPCB) 3000K - R80	LM	680	800	890
LUMENS PER WATT (@25°C TPCB) 5000K - R80	LM/W	-	73LM/W	80LM/W
CCT RANGE	*K	2000	-	5000

- All values typical unless otherwise stated. Lumen values are calculated using the typical values provided by the LED manufacturer's specifications for the stated operating conditions (tolerance +/- 10%).

PHYSICAL DIMENSIONS



OPTIONAL LENSES

PART NUMBER	BEAM ANGLE	LENGTH MM	WIDTH MM	HEIGHT MM
C13454_VANESSA-S (SPOT)	17°	295	16	8
C13459_VANESSA-M (MEDIUM)	26°	295	16	8
C13460_VANESSA-O (OVAL)	42+19°	295	16	8

* - Avoid Contact of Metal Part of Fastener Outside of the "MAX" area of the Printed Circuit Board.

ORDER CODES

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
6500	70 (MIN)	950	1/4 ANSI	LE-XCRC-65F-12
		950	3-STEP MAE	LE-XCRC-65S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-65G-12
		800	3-STEP MAE	LE-XCRC-65V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-65H-12
		675	3-STEP MAE	LE-XCRC-65Z-12
5700	70 (MIN)	950	1/4 ANSI	LE-XCRC-57F-12
		950	3-STEP MAE	LE-XCRC-57S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-57G-12
		800	3-STEP MAE	LE-XCRC-57V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-57H-12
		675	3-STEP MAE	LE-XCRC-57Z-12
5000	70 (MIN)	950	1/4 ANSI	LE-XCRC-50F-12
		950	3-STEP MAE	LE-XCRC-50S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-50G-12
		800	3-STEP MAE	LE-XCRC-50V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-50H-12
		675	3-STEP MAE	LE-XCRC-50Z-12
4500	70 (MIN)	950	1/4 ANSI	LE-XCRC-45F-12
		950	3-STEP MAE	LE-XCRC-45S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-45G-12
		800	3-STEP MAE	LE-XCRC-45V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-45H-12
		675	3-STEP MAE	LE-XCRC-45Z-12

ORDER CODES

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
4000	70 (MIN)	950	1/4 ANSI	LE-XCRC-40F-12
		950	3-STEP MAE	LE-XCRC-40S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-40G-12
		800	3-STEP MAE	LE-XCRC-40V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-40H-12
		675	3-STEP MAE	LE-XCRC-40Z-12
3500	70 (MIN)	950	1/4 ANSI	LE-XCRC-35F-12
		950	3-STEP MAE	LE-XCRC-35S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-35G-12
		800	3-STEP MAE	LE-XCRC-35V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-35H-12
		675	3-STEP MAE	LE-XCRC-35Z-12
3000	70 (MIN)	950	1/4 ANSI	LE-XCRC-30F-12
		950	3-STEP MAE	LE-XCRC-30S-12
	80 (MIN)	800	1/4 ANSI	LE-XCRC-30G-12
		800	3-STEP MAE	LE-XCRC-30V-12
	90 (MIN)	675	1/4 ANSI	LE-XCRC-30H-12
		675	3-STEP MAE	LE-XCRC-30Z-12
2700	70 (MIN)	800	1/4 ANSI	LE-XCRC-27F-12
		800	3-STEP MAE	LE-XCRC-27S-12
	80 (MIN)	675	1/4 ANSI	LE-XCRC-27G-12
		675	3-STEP MAE	LE-XCRC-27V-12
	90 (MIN)	570	1/4 ANSI	LE-XCRC-27H-12
		570	3-STEP MAE	LE-XCRC-27Z-12

ORDER CODES

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
2500	70 (MIN)	800	1/4 ANSI	LE-XCRC-25F-12
		800	3-STEP MAE	LE-XCRC-25S-12
	80 (MIN)	675	1/4 ANSI	LE-XCRC-25G-12
		675	3-STEP MAE	LE-XCRC-25V-12
	90 (MIN)	570	1/4 ANSI	LE-XCRC-25H-12
		570	3-STEP MAE	LE-XCRC-25Z-12
2200	70 (MIN)	800	1/4 ANSI	LE-XCRC-22F-12
		800	3-STEP MAE	LE-XCRC-22S-12
	80 (MIN)	675	1/4 ANSI	LE-XCRC-22G-12
		675	3-STEP MAE	LE-XCRC-22V-12
	90 (MIN)	570	1/4 ANSI	LE-XCRC-22H-12
		570	3-STEP MAE	LE-XCRC-22Z-12
2000	70 (MIN)	800	1/4 ANSI	LE-XCRC-20F-12
		800	3-STEP MAE	LE-XCRC-20S-12
	80 (MIN)	675	1/4 ANSI	LE-XCRC-20G-12
		675	3-STEP MAE	LE-XCRC-20V-12
	90 (MIN)	570	1/4 ANSI	LE-XCRC-20H-12
		570	3-STEP MAE	LE-XCRC-20Z-12