



illumination**Devices**

LE-V1 LED LIGHT ENGINE



ABOUT THE LE-V1 LED LIGHT ENGINE

The LE-V1 is part of a series of High-Power 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)
- On-Board Thermal Management Prevents Overheating
- Optional Lenses Available
- Designed to Meet Energy Star Requirements for Certification
- UL Recognized Component File No. E362275
- Conformal Coating Available

APPLICATIONS



DOWN LIGHT



CEILING MOUNT



HIGH BAY



POLE MOUNTED



WALL MOUNTED



BOLLARD



LANDSCAPE



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illuminationdevices.com

310 HURRICANE LN. SUITE 3

WILLISTON, VT

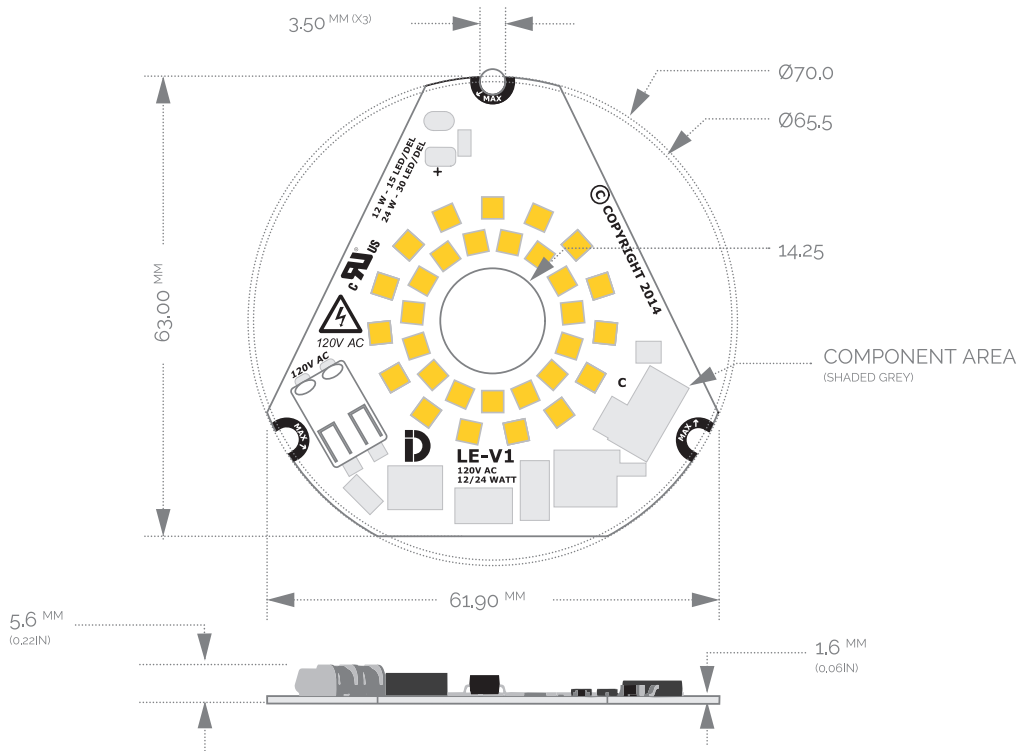
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CHARACTERISTICS

PARAMETER	UNIT	MINIMUM	TYPICAL	MAXIMUM
Input Voltage	VAC	90	120	135
Power (HO)	W	-	12 (24)	15 (30)
Luminous Flux (@25°C TPCB) 5000K - R80	LM	1020	1100	1210
Luminous Flux (@25°C TPCB) 3000K - R80	LM	850	1000	1110
Luminous Flux (@25°C TPCB) 5000K - R80 (HO)	LM	2040	2200	2420
Luminous Flux (@25°C TPCB) 3000K - R80 (HO)	LM	1700	2000	2220
Lumens Per Watt (@25°C TPCB) 5000K - R80	LM/W	-	92LM/W	100LM/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



ORDER CODES /12 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
6500	70 (MIN)	1190	1/4 ANSI	LE-00V1-65F-12
		1190	3-STEP MAE	LE-00V1-65S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-65G-12
		1005	3-STEP MAE	LE-00V1-65V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-65H-12
		845	3-STEP MAE	LE-00V1-65Z-12
5700	70 (MIN)	1190	1/4 ANSI	LE-00V1-57F-12
		1190	3-STEP MAE	LE-00V1-57S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-57G-12
		1005	3-STEP MAE	LE-00V1-57V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-57H-12
		845	3-STEP MAE	LE-00V1-57Z-12
5000	70 (MIN)	1190	1/4 ANSI	LE-00V1-50F-12
		1190	3-STEP MAE	LE-00V1-50S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-50G-12
		1005	3-STEP MAE	LE-00V1-50V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-50H-12
		845	3-STEP MAE	LE-00V1-50Z-12
4500	70 (MIN)	1190	1/4 ANSI	LE-00V1-45F-12
		1190	3-STEP MAE	LE-00V1-45S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-45G-12
		1005	3-STEP MAE	LE-00V1-45V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-45H-12
		845	3-STEP MAE	LE-00V1-45Z-12

ORDER CODES /12 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
4000	70 (MIN)	1190	1/4 ANSI	LE-00V1-40F-12
		1190	3-STEP MAE	LE-00V1-40S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-40G-12
		1005	3-STEP MAE	LE-00V1-40V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-40H-12
		845	3-STEP MAE	LE-00V1-40Z-12
3500	70 (MIN)	1190	1/4 ANSI	LE-00V1-35F-12
		1190	3-STEP MAE	LE-00V1-35S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-35G-12
		1005	3-STEP MAE	LE-00V1-35V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-35H-12
		845	3-STEP MAE	LE-00V1-35Z-12
3000	70 (MIN)	1190	1/4 ANSI	LE-00V1-30F-12
		1190	3-STEP MAE	LE-00V1-30S-12
	80 (MIN)	1005	1/4 ANSI	LE-00V1-30G-12
		1005	3-STEP MAE	LE-00V1-30V-12
	90 (MIN)	845	1/4 ANSI	LE-00V1-30H-12
		845	3-STEP MAE	LE-00V1-30Z-12
2700	70 (MIN)	1005	1/4 ANSI	LE-00V1-27F-12
		1005	3-STEP MAE	LE-00V1-27S-12
	80 (MIN)	845	1/4 ANSI	LE-00V1-27G-12
		845	3-STEP MAE	LE-00V1-27V-12
	90 (MIN)	710	1/4 ANSI	LE-00V1-27H-12
		710	3-STEP MAE	LE-00V1-27Z-12

ORDER CODES /12 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
2500	70 (MIN)	1005	1/4 ANSI	LE-00V1-25F-12
		1005	3-STEP MAE	LE-00V1-25S-12
	80 (MIN)	845	1/4 ANSI	LE-00V1-25G-12
		845	3-STEP MAE	LE-00V1-25V-12
	90 (MIN)	710	1/4 ANSI	LE-00V1-25H-12
		710	3-STEP MAE	LE-00V1-25Z-12
2200	70 (MIN)	1005	1/4 ANSI	LE-00V1-22F-12
		1005	3-STEP MAE	LE-00V1-22S-12
	80 (MIN)	845	1/4 ANSI	LE-00V1-22G-12
		845	3-STEP MAE	LE-00V1-22V-12
	90 (MIN)	710	1/4 ANSI	LE-00V1-22H-12
		710	3-STEP MAE	LE-00V1-22Z-12
2000	70 (MIN)	1005	1/4 ANSI	LE-00V1-20F-12
		1005	3-STEP MAE	LE-00V1-20S-12
	80 (MIN)	845	1/4 ANSI	LE-00V1-20G-12
		845	3-STEP MAE	LE-00V1-20V-12
	90 (MIN)	710	1/4 ANSI	LE-00V1-20H-12
		710	3-STEP MAE	LE-00V1-20Z-12

ORDER CODES /24 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
6500	70 (MIN)	2380	1/4 ANSI	LE-00V1-65F-24
		2380	3-STEP MAE	LE-00V1-65S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-65G-24
		2010	3-STEP MAE	LE-00V1-65V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-65H-24
		1690	3-STEP MAE	LE-00V1-65Z-24
5700	70 (MIN)	2380	1/4 ANSI	LE-00V1-57F-24
		2380	3-STEP MAE	LE-00V1-57S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-57G-24
		2010	3-STEP MAE	LE-00V1-57V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-57H-24
		1690	3-STEP MAE	LE-00V1-57Z-24
5000	70 (MIN)	2380	1/4 ANSI	LE-00V1-50F-24
		2380	3-STEP MAE	LE-00V1-50S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-50G-24
		2010	3-STEP MAE	LE-00V1-50V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-50H-24
		1690	3-STEP MAE	LE-00V1-50Z-24
4500	70 (MIN)	2380	1/4 ANSI	LE-00V1-45F-24
		2380	3-STEP MAE	LE-00V1-45S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-45G-24
		2010	3-STEP MAE	LE-00V1-45V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-45H-24
		1690	3-STEP MAE	LE-00V1-45Z-24

ORDER CODES /24 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
4000	70 (MIN)	2380	1/4 ANSI	LE-00V1-40F-24
		2380	3-STEP MAE	LE-00V1-40S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-40G-24
		2010	3-STEP MAE	LE-00V1-40V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-40H-24
		1690	3-STEP MAE	LE-00V1-40Z-24
3500	70 (MIN)	2380	1/4 ANSI	LE-00V1-35F-24
		2380	3-STEP MAE	LE-00V1-35S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-35G-24
		2010	3-STEP MAE	LE-00V1-35V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-35H-24
		1690	3-STEP MAE	LE-00V1-35Z-24
3000	70 (MIN)	2380	1/4 ANSI	LE-00V1-30F-24
		2380	3-STEP MAE	LE-00V1-30S-24
	80 (MIN)	2010	1/4 ANSI	LE-00V1-30G-24
		2010	3-STEP MAE	LE-00V1-30V-24
	90 (MIN)	1690	1/4 ANSI	LE-00V1-30H-24
		1690	3-STEP MAE	LE-00V1-30Z-24
2700	70 (MIN)	2010	1/4 ANSI	LE-00V1-27F-24
		2010	3-STEP MAE	LE-00V1-27S-24
	80 (MIN)	1690	1/4 ANSI	LE-00V1-27G-24
		1690	3-STEP MAE	LE-00V1-27V-24
	90 (MIN)	1420	1/4 ANSI	LE-00V1-27H-24
		1420	3-STEP MAE	LE-00V1-27Z-24

ORDER CODES /24 W

CCT (°K)	CRI	FLUX (lm)	BINNING TYPE	ORDER CODE
2500	70 (MIN)	2010	1/4 ANSI	LE-00V1-25F-24
		2010	3-STEP MAE	LE-00V1-25S-24
	80 (MIN)	1690	1/4 ANSI	LE-00V1-25G-24
		1690	3-STEP MAE	LE-00V1-25V-24
	90 (MIN)	1420	1/4 ANSI	LE-00V1-25H-24
		1420	3-STEP MAE	LE-00V1-25Z-24
2200	70 (MIN)	2010	1/4 ANSI	LE-00V1-22F-24
		2010	3-STEP MAE	LE-00V1-22S-24
	80 (MIN)	1690	1/4 ANSI	LE-00V1-22G-24
		1690	3-STEP MAE	LE-00V1-22V-24
	90 (MIN)	1420	1/4 ANSI	LE-00V1-22H-24
		1420	3-STEP MAE	LE-00V1-22Z-24
2000	70 (MIN)	2010	1/4 ANSI	LE-00V1-20F-24
		2010	3-STEP MAE	LE-00V1-20S-24
	80 (MIN)	1690	1/4 ANSI	LE-00V1-20G-24
		1690	3-STEP MAE	LE-00V1-20V-24
	90 (MIN)	1420	1/4 ANSI	LE-00V1-20H-24
		1420	3-STEP MAE	LE-00V1-20Z-24