

JOB _____ TYPE _____
NOTES _____ APPROVALS _____

FEATURES

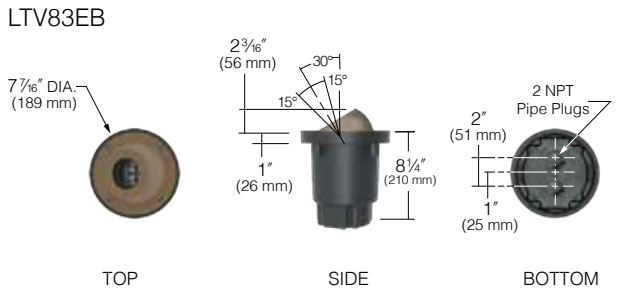
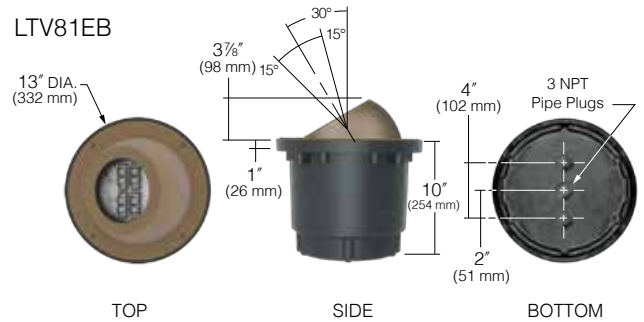
- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

Certifications



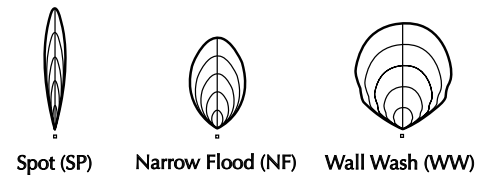
SPECIFICATIONS

Pour Box rough-in housing ships separately and as a quick-ship if requested.



LIGHT DISTRIBUTIONS:

LTV81EB, LTV82EB, LTV83EB



DEBRIS SHIELDS



LTV81



LTV82



LTV83

ORDERING CODE

LTV8xEB							
Fixture Size	Distribution*	Source	Electrical Module		Lens Options¹	Rebar Cage Anchor	
LTV81EB 13" Dia.	SP, NF	18L 18 LEDs	Color Temperature	Voltages	PL Prismatic Lens	RCA81	for LTV81
LTV81EB 13" Dia.	WW	16L 16 LEDs	3K 3000K	UV 120-277V	¹All lens options are integral parts of component module and must be installed at factory.	RCA82	for LTV82
LTV82EB 10-3/8" Dia.	SP, NF, WW	12L 12 LEDs	4K 4000K			RCA83	for LTV83
LTV83EB 7-15/16" Dia.	SP, NF	5L 5 LEDs	5K 5000K				
LTV83EB 7-15/16" Dia.	WW	8L 8 LEDs					

* SP = Spot, NF = Narrow Flood, WW = Wall Wash

Kim Lighting reserves the right to change specifications without notice.

LTV81EB

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	18L	3K	1396	20270	UV	23W	8°	.192 for 120V .111 for 208V .096 for 240V .083 for 277V
		4K	1653	24002				
		5K	1837	26674				
NF	18L	3K	1149	1657	UV	23W	45°	.192 for 120V .111 for 208V .096 for 240V .083 for 277V
		4K	1361	1963				
		5K	1512	2181				
WW	16L	3K	1306	2517	UV	20W	40°	.167 for 120V .096 for 208V .083 for 240V .072 for 277V
		4K	1546	2980				
		5K	1718	3311				

LTV82EB

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	12L	3K	888	12931	UV	16W	12°	.133 for 120V .077 for 208V .067 for 240V .058 for 277V
		4K	1051	15304				
		5K	1168	17008				
NF	12L	3K	690	1030	UV	16W	48°	.133 for 120V .077 for 208V .067 for 240V .058 for 277V
		4K	817	1220				
		5K	908	1356				
WW	12L	3K	855	1451	UV	16W	27°	.133 for 120V .077 for 208V .067 for 240V .058 for 277V
		4K	1013	1719				
		5K	1125	1909				

LTV83EB

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	5L	3K	373	5861	UV	6W	12°	.05 for 120V .029 for 208V .025 for 240V .022 for 277V
		4K	442	6945				
		5K	491	7715				
NF	5L	3K	285	493	UV	6W	45°	.083 for 120V .048 for 208V .042 for 240V .036 for 277V
		4K	338	575				
		5K	375	638				
WW	8L	3K	499	1322	UV	10W	24°	.083 for 120V .048 for 208V .042 for 240V .036 for 277V
		4K	591	1565				
		5K	657	1740				

KEY: EB = Eye Ball, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™), 18L = 18 LEDs, 16L = 16 LEDs, 12L = 12 LEDs, 8L = 8 LEDs, 5L = 5 LEDs, 3K = 2800K to 3175K, 4K = 3800K to 4600K, 5K = 4600K to 5600K, UV = Universal Voltage shall range from 120V-277V with a ±10% tolerance.

* The SP and NF are based on Candela exiting unit straight up. The WW is for highest candela angle.

Spectroradiometric

	3K	4K	5K
Correlated Color Temp. CCT (K)	2800K to 3175K	3800K to 4600K	4600K to 5600K
Color Rendering Index (CRI)	≤80	≤80	≤70
Power Factor	>.90	>.90	>.90

L70 Data

	Calculated	Reported*
350 mA	100,000	60,000

*Based on test duration.

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SPECIFICATIONS

Housing:

- Pour Box rough-in housing for installation below grade.
- High temperature UV resistant thermal plastic, 3/16" minimum wall, black.
- Includes a splice box with molded plastic splice cover and silicone gasket.
- Three 1" NPT in bottom for through wiring on LTV81 and LTV82.
- Two 1" NPT in bottom for through wiring on LTV83.
- 107 cu. in. splice area for LTV81.
- 52 cu. in. splice area for LTV82.
- 24 cu. in. splice area for LTV83.
- Supplied with protective aluminum debris shield mask with orientation label for proper installation alignment for clean and easy installation in concrete pad or soil. Ships separately and as a quick-ship if requested.

Component Module:

- One-piece impregnated cast bronze, fully sealed component module secured to the face trims from the underside.
- A high temperature, anti-siphon, IP67 sealed cable extends from the component module to the splice box inside the housing.
- The fully assembled component module is secured to the housing with (4) 1/4-20 tamper-resistant high grade stainless steel fasteners.

Face Trim:

- One-piece cast bronze lens ring fastened to the component module from the underside shall provide glare control from the back side along walkways and paths.

Optical Modules:

- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly.

Bluetooth:

- Integral Bluetooth module used to adjust optics and dim fixture to desired setting when paired with KIM LTV8 Remote App via cellular/tablet device.
- Fully qualified Bluetooth 1.1, 1.2, 2.0, 2.1. Bluetooth v2.0+EDR compatible with Android devices running Android Gingerbread API level 9 forward. Bluetooth 4.0 LE compatible with iOS devices - iPhone 4S and later, 5th generation iPod touch, the iPad Mini and the 3rd generation and later of the full size iPad with iOS 5 or later.
- Bluetooth Apps are available for Apple iOS and Google Android mobile devices and are downloadable via the internet at Apple App Store or Google Play.

Lens:

- Clear 3/16" thick tempered glass lens and silicone gasket is retained securely within the component module.

Options:

- Prismatic Lens (PL), Rebar Cage Anchor (RCA8x).

Electrical Equipment:

- All electronic components are UL and CSA recognized and mounted directly to the component module for maximum heat dissipation and modularity. Driver is IP67 with -30°C minimum temperature rating.

Certification:

- (UL1598, UL8750). 25°C ambient operation.
- SASO Certified for LTV82/83.

Warranty:

- For full warranty see <http://www.hubbelllighting.com/resources/warranty>
- Opening of Component Module on site will void warranty.



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