

JOB _____

TYPE _____

NOTES _____

APPROVALS _____

FEATURES

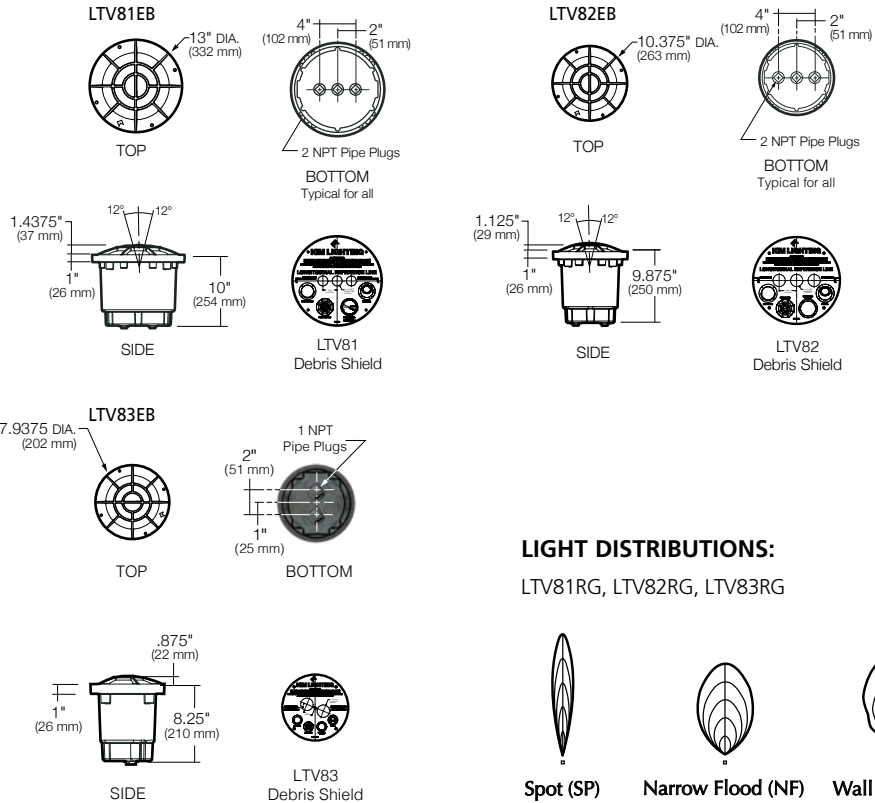
- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

CERTIFICATIONS



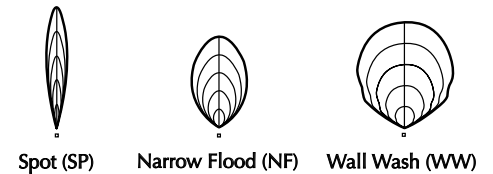
SPECIFICATIONS

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



LIGHT DISTRIBUTIONS:

LTV81RG, LTV82RG, LTV83RG



ORDERING CODE

LTV8xRG						
Fixture Size	Distribution*	Source	Electrical Module		Lens Options ¹	Rebar Cage Anchor
LTV81RG	13" Dia.	36L 36 LEDs	<u>Color Temperature</u>	<u>Voltages</u>	PL Prismatic Lens	RCA81 for LTV81
LTV82RG	10-3/8" Dia.	18L 18 LEDs	3K 3000K	UV 120-277V	¹ All lens options are integral parts of component module and must be installed at factory.	RCA82 for LTV82
LTV83RG	7-15/16" Dia.	12L 12 LEDs	4K 4000K			RCA83 for LTV83

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

Kim Lighting reserves the right to change specifications without notice.

LTV81RG

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps	
SP	36L	3K	2399	26821	UV	42W	13.3°	.350 for 120V .202 for 208V .175 for 240V .152 for 277V	
		4K	2462	27423					
		5K	2488	28026					
NF		3K	2036	2368			44W		49.3°
		4K	2088	2436					
		5K	2111	2453					
WW		3K	2522	4097		44W	49.3°		.367 for 120V .212 for 208V .183 for 240V .159 for 277V
		4K	2585	4201					
		5K	2616	4250					

LTV82RG

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps	
SP	18L	3K	1045	12788	UV	22W	13.4°	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	
		4K	1071	12609					
		5K	1083	12749					
NF		3K	949	1241			19W		36.5°
		4K	972	1251					
		5K	983	1265					
WW		3K	965	2268		19W	36.5°		.158 for 120V .091 for 208V .079 for 240V .069 for 277V
		4K	989	2327					
		5K	1000	2353					

LTV83RG

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps	
SP	12L	3K	715	8778	UV	14W	12.9°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	
		4K	733	9010					
		5K	741	9107					
NF		3K	622	754			14W		47°
		4K	638	774					
		5K	645	784					
WW		3K	761	2101		14W	46°		.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	779	2155					
		5K	787	2178					

KEY: RG = Rock Guard, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™), 36L = 36 LEDs, 18L = 18 LEDs, 16L = 16 LEDs, 12L = 12 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)	≥72	≥72	≥72
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.
- 107 cu. in. splice area for LTV81.
- 52 cu. in. splice area for LTV82.
- 24 cu. in. splice area for LTV83.
- Housing 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 a raised rib pattern away from the glass lens as a deterrent to vandalism.

Optical Modules:

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

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:

- 5/16" thick clear UV stabilized acrylic 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.

Drive-Over Durability:

- When installed in concrete, fixture will withstand drive-over by vehicles weighing up to 5,000 lbs.

Certification:

- (UL1598, UL8750). 25°C ambient operation.
- SASO Certified for LTV82/83.
- IEC 66262 Mechanical Impact Code IK09.
- CISPR 15 Compliant, per product standard EN 55015:2013.

Warranty:

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



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