

# LTV8RG

LIGHTVAULT® 8 ROCK GUARD

## FEATURES

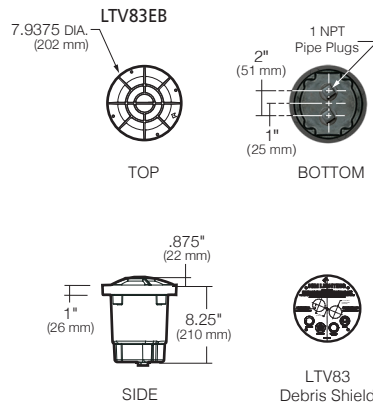
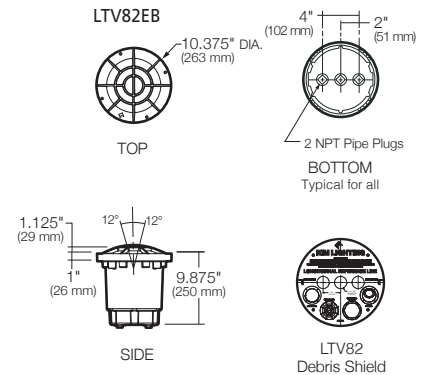
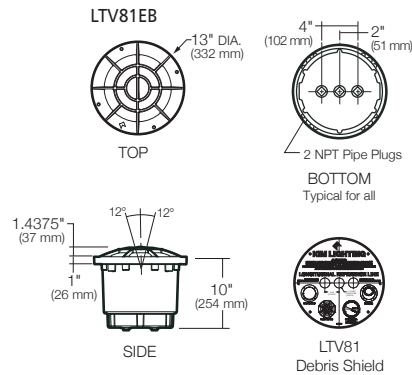
- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

## CERTIFICATIONS



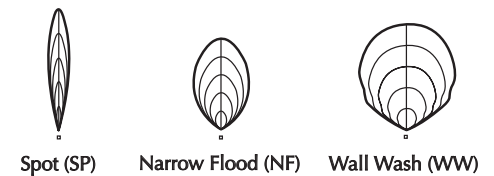
## SPECIFICATIONS

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



## LIGHT DISTRIBUTIONS:

LTV81RG, LTV82RG, LTV83RG



## ORDERING CODE

Fixture Size		Distribution*		Source		Electrical Module		Lens Options <sup>1</sup>		Rebar Cage Anchor	
LTV81RG	13" Dia.	SP, NF, WW		36L	36 LEDs	Color Temperature	Voltages	PL	Prismatic Lens	RCA81	for LTV81
LTV82RG	10-3/8" Dia.	SP, NF, WW		18L	18 LEDs	3K 3000K	UV 120-277V			RCA82	for LTV82
LTV83RG	7-15/16" Dia.	SP, NF, WW		12L	12 LEDs	4K 4000K				RCA83	for LTV83
						5K 5000K					

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

<sup>1</sup> All lens options are integral parts of component module and must be installed at factory.

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## 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			44.3°	
		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			42.2°	
		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			47°	
		4K	638	774				
		5K	645	784				
WW		3K	761	2101			46°	
		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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### 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:

- Opening of Component Module on site will void warranty.



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