

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

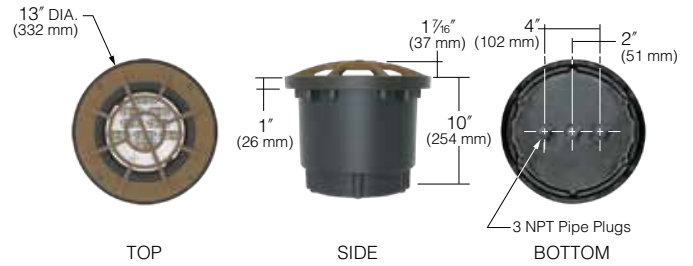


SPECIFICATIONS

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



LTV81RG



LTV83RG



LTV82RG



DEBRIS SHIELDS



LTV81



LTV82



LTV83

LIGHT DISTRIBUTIONS:

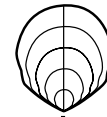
LTV81RG, LTV82RG, LTV83RG



Spot (SP)



Narrow Flood (NF)



Wall Wash (WW)

ORDERING CODE

Fixture Size	Distribution*	Source
LTV81RG 13" Dia.	SP, NF, WW	36L 36 LEDs
LTV82RG 10-3/8" Dia.	SP, NF	18L 18 LEDs
LTV82RG 10-3/8" Dia.	WW	16L 16 LEDs
LTV83RG 7-15/16" Dia.	SP, NF, WW	12L 12 LEDs

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

Electrical Module	
Color Temperature	Voltages
3K 3000K	UV 120-277V
4K 4000K	
5K 5000K	

Lens Options ¹
PL Prismatic Lens

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

Rebar Cage Anchor
RCA81 for LTV81
RCA82 for LTV82
RCA83 for LTV83

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	1684	18679	UV	44W	12°	.367 for 120V .212 for 208V .183 for 240V .159 for 277V
		4K	2121	23453				
		5K	2280	25478				
NF	36L	3K	1524	1778	UV	44W	54°	.367 for 120V .212 for 208V .183 for 240V .159 for 277V
		4K	1901	2224				
		5K	1914	2230				
WW	36L	3K	1734	4188	UV	44W	60°	.367 for 120V .212 for 208V .183 for 240V .159 for 277V
		4K	2162	5220				
		5K	2376	5736				

LTV82RG

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	18L	3K	740	16787	UV	23W	12°	.192 for 120V .111 for 208V .096 for 240V .083 for 277V
		4K	947	20282				
		5K	994	22899				
NF	18L	3K	621	1272	UV	23W	52°	.192 for 120V .111 for 208V .096 for 240V .083 for 277V
		4K	855	1687				
		5K	891	1758				
WW	16L	3K	638	2336	UV	20W	58°	.167 for 120V .091 for 208V .079 for 240V .069 for 277V
		4K	817	2992				
		5K	910	3336				

LTV83RG

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	12L	3K	517	10750	UV	14W	12°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	626	13008				
		5K	680	14144				
NF	12L	3K	444	863	UV	14W	52°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	557	1082				
		5K	585	1136				
WW	12L	3K	499	1664	UV	14W	60°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	640	2134				
		5K	713	2378				

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)	≤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.
- 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.

Warranty:

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



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