

JOB _____

TYPE _____

NOTES _____

APPROVALS _____

FEATURES

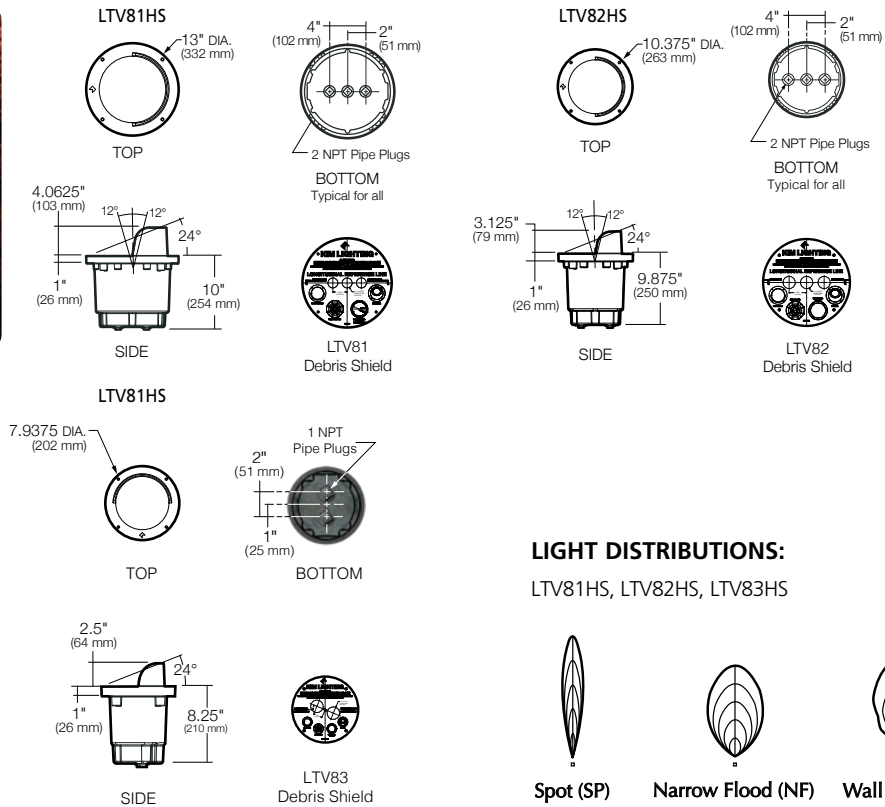
- Sealed IP68 LED light engine
- Bluetooth connectivity for remote control aiming and dimming
- Free Mobile App for Android and iOS
- Easy to install and pair devices
- Advanced thermal management provides long life in excess of 100,000+ hours
- Runs cool to the touch - less than 40°C

CERTIFICATIONS



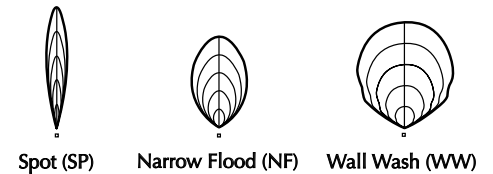
SPECIFICATIONS

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



LIGHT DISTRIBUTIONS:

LTV81HS, LTV82HS, LTV83HS



ORDERING CODE

Fixture Size	Distribution*	Source	Electrical Module	Lens Options ¹	Rebar Cage Anchor
LTV81HS	13" Dia.	36L 36 LEDs	Color Temperature 3K 3000K 4K 4000K 5K 5000K	PL Prismatic Lens UV 120-277V	RCA81 for LTV81 RCA82 for LTV82 RCA83 for LTV83
LTV82HS	10-3/8" Dia.	18L 18 LEDs			
LTV83HS	7-15/16" Dia.	12L 12 LEDs			

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

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

Kim Lighting reserves the right to change specifications without notice.

LTV81HS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	36L	3K	3418	42371	UV	42W	12.9°	.350 for 120V .202 for 208V .175 for 240V .152 for 277V
		4K	3507	43660				
		5K	3543	45983				
NF		3K	2627	3228			49.3°	
		4K	2695	3317				
		5K	2724	3412				
WW		3K	3489	6032		52.3°	44W	
		4K	3578	6187				
		5K	3619	6257				

LTV82HS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	18L	3K	1769	23685	UV	22W	13°	.183 for 120V .106 for 208V .092 for 240V .079 for 277V
		4K	1817	23161				
		5K	1837	23426				
NF		3K	1409	1890			47.8°	
		4K	1445	1914				
		5K	1462	1936				
WW		3K	1637	3528		53.2°	19W	
		4K	1679	3616				
		5K	1698	3659				

LTV83HS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
SP	12L	3K	1113	14962	UV	14W	12.7°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	1141	15348				
		5K	1154	15521				
NF		3K	870	1205			47.3°	
		4K	892	1238				
		5K	902	1251				
WW		3K	1134	2597			58.5°	
		4K	1162	2665				
		5K	1176	2696				

KEY: HS = Half Shield, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™), 36L = 36 LEDs, 18L = 18 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 is based on the candela exiting 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

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L70 Data

	Calculated	Reported*
350 mA	100,000	60,000

*Based on test duration.

SPECIFICATIONS

Housing:

- Pour Box rough-in housing for installation below grade.
- High temperature UV resistant thermal plastic, F" 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) ¼-20 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 5/16" 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.
- 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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