

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.



LTV81SS



LTV83SS



LTV82SS



DEBRIS SHIELDS



LTV81



LTV82



LTV83

LIGHT DISTRIBUTIONS:

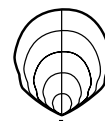
LTV81SS, LTV82SS, LTV83SS



Spot (SP)



Narrow Flood (NF)



Wall Wash (WW)

ORDERING CODE

Fixture Size	Distribution*	Source
LTV81SS 13" Dia.	SP, NF, WW	36L 36 LEDs
LTV82SS 10-3/8" Dia.	SP, NF	18L 18 LEDs
LTV82SS 10-3/8" Dia.	WW	16L 16 LEDs
LTV83SS 7-15/16" Dia.	SP, NF, WW	12L 12 LEDs

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

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

Lens Options¹
SR Slip-Resistant Lens
PL Prismatic Lens

¹ All 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.

LTV81SS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	36L	3K	2426	29469	UV	44W	.367 for 120V .212 for 208V .183 for 240V .159 for 277V	12.9 x 12.9	27.3 x 27.3	2H X 2V
		4K	3041	36773						
		5K	3324	41827						
NF	36L	3K	2171	2422	UV	44W	.367 for 120V .212 for 208V .183 for 240V .159 for 277V	46.1 x 54.7	79.9 x 83.7	5H X 5V
		4K	2726	3022						
		5K	2745	3071						
WW	36L	3K	2574	4188	UV	44W	.367 for 120V .212 for 208V .183 for 240V .159 for 277V	53.1 x 28.2	102.5 x 61.1	6H X 4V
		4K	3209	5220						
		5K	3526	5736						

LTV82SS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	18L	3K	1285	16787	UV	23W	.192 for 120V .111 for 208V .096 for 240V .083 for 277V	13.4 x 13.4	26.9 x 26.9	2H X 2V
		4K	1633	20282						
		5K	1705	22899						
NF	18L	3K	1049	1272	UV	23W	.192 for 120V .111 for 208V .096 for 240V .083 for 277V	43.9 x 52.8	76.4 x 81.3	5H X 5V
		4K	1410	1687						
		5K	1470	1758						
WW	16L	3K	1083	2336	UV	20W	.167 for 120V .091 for 208V .079 for 240V .069 for 277V	58.9x21.3	93.3 x 53.9	5H X 4V
		4K	1389	2992						
		5K	1549	3336						

LTV83SS

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	12L	3K	825	10750	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	12.7 x 12.7	26.3 x 26.3	2H X 2V
		4K	998	13008						
		5K	1085	14144						
NF	12L	3K	709	863	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	50.3 x 50.3	81.2 x 81.2	5H X 5V
		4K	888	1082						
		5K	932	1136						
WW	12L	3K	806	1724	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	52.3 x 20.8	93 x 53.6	5H X 4V
		4K	1034	2210						
		5K	1152	2463						

KEY: SS = Flat Frame, 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.

Kim Lighting reserves the right to change specifications without notice.

SPECIFICATIONS

Housing:

- Pour Box rough-in housing for installation below grade.
- High temperature UV resistant thermal plastic, 1/2" 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:

- 1/16" 304 stainless steel plate with M33 brushed finish shall cover the cast bronze Lens Frame and provide a flat surface.

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:

- Slip Resistant Lens (SR), 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 4,500 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.



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Kim Lighting is under license. Other trademarks and trade names are those of their respective owners. Apple, the Apple logo, iPad, iPhone, and iPod Touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc.