



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



CONTROL TECHNOLOGY



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
- 52 cu. in. splice area for LTV82. 24 cu. in. splice area for LTV83
- Rough-in housing supplied with a protective aluminum debris shield and includes an orientation label for proper installation alignment. This allows for clean and easy installation in concrete pad or soil. Pour Box can be shipped separately as a quick-ship if requested
- One-piece impregnated cast bronze component module is fully sealed and secured to the face trim from the underside
- A high temperature, anti-siphon, IP68 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 and high grade stainless steel fasteners
- Slip Resistant Lens (SR) and Rebar Cage Anchor (RCA81)
- When installed in concrete, fixture will withstand drive-over by vehicles weighing up to 4,500 lb.
- Optional Rebar Cage Anchor (RCA8x)
- Face trim has 1/16" 304 stainless steel plate with M33 brushed finish shall cover the cast bronze Lens Frame and provide a flat surface

OPTICS

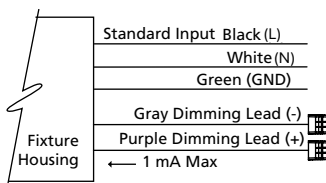
- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly
- Clear 5/16" thick tempered glass lens and silicone gasket is retained securely within the component module
- Optional Prismatic Lens (PL) available

ELECTRICAL

- All electronic components are UL and CSA recognized and are mounted directly to the component module for maximum heat dissipation and modularity. Driver is IP67 with -30°C minimum temperature rating
- Product comes standard with a UL Recognized 10kA surge protector

CONTROLS

- Standard fixtures dimming range is from 10% to 100% and be compatible with 0-10V, user-defined, control devices



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



Lightvault 8 Stainless Steel

RELATED PRODUCTS

⌘ [LTV8FF RGBW](#)

⌘ [LTV8FF](#)

⌘ [LTV8SS RGBW](#)

- 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

CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and UL8750 25°C ambient operation
- SASO Certified for LTV82/83
- IP68 rated
- IEC 66262 Mechanical Impact Code IK09
- CISPR 15 Compliant, per product standard EN 55015:2013

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA

KEY DATA	
Lumen Range	622–2616
Wattage Range	14–44
Reported Life (Hours)	L70/60,000

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

ORDERING GUIDE

Example: LTV82SS-NF-18L-4K-UV-SR-RCA82

CATALOG #

HOUSING

LTV8											
Model		Distribution		Source		Color Temperature		Voltages	Lens Options¹		Rebar Cage Anchor
LTV81SS	13" Dia.	SP	Spot	36L	36 LEDs	3K	3000K	UV 120-277V	PL	Prismatic Lens	RCA81 for LTV81
LTV82SS	10-3/8" Dia.	NF	Narrow Flood	18L	18 LEDs	4K	4000K		SR	Slip-Resistant Lens	RCA82 for LTV82
LTV83SS	7-15/16" Dia.	WW	Wall Wash	12L	12 LEDs	5K	5000K				RCA83 for LTV83

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

DELIVERED LUMENS

LTV81SS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	36L	3K	3529	42861	UV	42W	.350 for 120V .202 for 208V .175 for 240V .152 for 277V	12.9°
		4K	3617	45492				
		5K	3658	46015				
NF		3K	2911	3248				46°
		4K	2985	3310				
		5K	3020	3379				
WW		3K	3739	6083		44W	.367 for 120V .212 for 208V .183 for 240V .159 for 277V	53.1°
		4K	3835	6239				
		5K	3878	6309				

LTV82SS

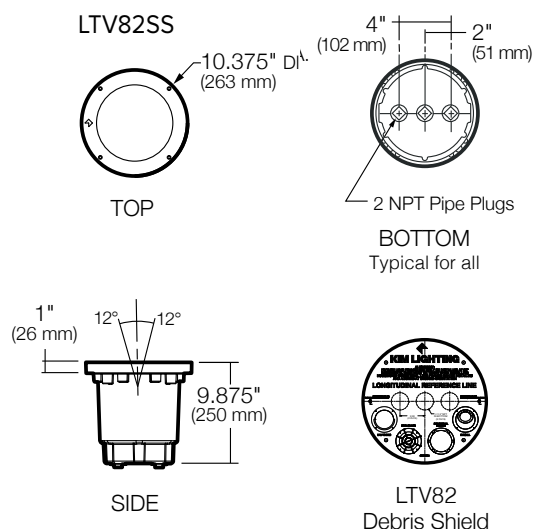
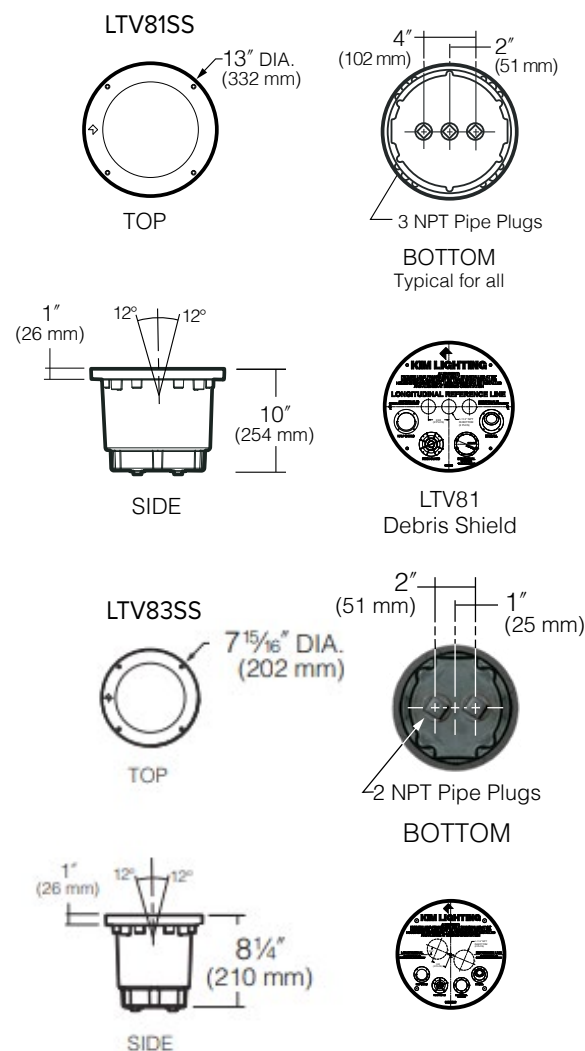
Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	18L	3K	1809	23634	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1857	23065				
		5K	1875	25186				
NF		3K	1558	1889				44.1°
		4K	1597	1911				
		5K	1617	1934				
WW		3K	1637	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	58.9°
		4K	1679	3616				
		5K	1698	3659				

LTV83SS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	12L	3K	1151	14996	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	12.7°
		4K	1180	15382				
		5K	1195	15564				
NF		3K	988	1204				50.3°
		4K	1013	1235				
		5K	1025	1250				
WW		3K	1222	2611				52.3°
		4K	1253	2679				
		5K	1258	2709				

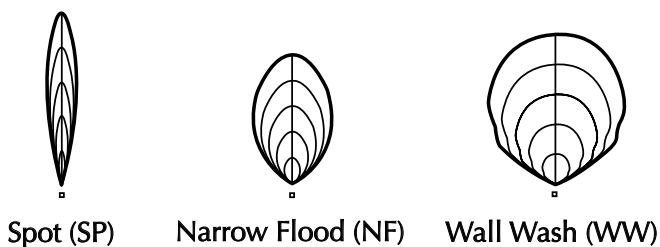
KEY: RG = Rock Guard, SP = Spot, NF = Narrow Flood, WW = Wall Wash (PicoPrism™). 36L = 36 LEDs, 18L = 18 LEDs, 16L = 16 LEDs, 12L = 12 LEDs, 3K = 2800K to 3175K, 4K = 3800K to 4600K, 5K = 4600K to 5600K, UV = Universal Voltage shall range from 120V-277V with a ±10% tolerance.
 * The SP and NF are based on Candela exiting unit straight up. The WW is for highest candela angle.

DIMENSIONS



LIGHT DISTRIBUTIONS:

LTV81SS, LTV82SS, LTV83SS



ELECTRICAL DATA

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.