KIM LIGHTING®

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

LTV82

INGRADE

LIGHTVAULT 8

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

c UL us LISTED | IK09 | IP68

Lightvaut8 Flat Frame, Stainless Steel, Rock Guard, Half Shield, Eyeball

CONTROL TECHNOLOGY

Bluetooth®

RELATED PRODUCTS

LTV8FF RGBW | LTV8FF | LTV8SS RGBW

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) ¼-20 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

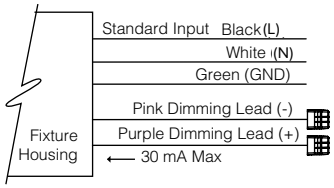
- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly
- Clear 5/16" thick tempered glass lens and silicone gasket is retained securely within the component module
- Optional Prismatic Lens (PL) available

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 standrd 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
- 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

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

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ORDERING GUIDE

Example: LTV82-SS-NF-18L-4K-UV-SR-RCA82

CATALOG #

HOUSING

LTV82							
Model	**Style**	**Distribution**	**Source**	**Color Temperature**	**Voltages**	**Lens Options** [2]	**Rebar Cage Anchor**
LTV82 10-3/8" Dia.	**FF** Flat Frame **SS** Stainless Steel **HS** Half Shield **RG** Rock Guard **EB** Eyeball [1]	**SP** Spot **NF** Narrow Flood **WW** Wall Wash	**18L** 18 LEDs **12L** 12 LEDs (EB only)	**3K** 3000K **4K** 4000K **5K** 5000K	**UV** 120-277V	**PL** Prismatic Lens **SR** [3] Slip-Resistant Lens	**RCA82** for LTV82

Notes:
1 Eyeball fixture comes only with 12 LED.
2 All lens options are integral parts of component module and must be installed at factory.
3 Only available with FF and SS style

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DELIVERED LUMENS

LTV82FF

Optical Module	Source	Color Temp.	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	1809	23634	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13 x 13	26.5 x 26.5	2H x 2V
		4K	1857	23065						
		5K	1875	25186						
NF		3K	1558	1889				44.1 x 53	77.5 x 82	5H x 5V
		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 x 21.3	93.3 x 53.9	5H x 4V
		4K	1679	3616						
		5K	1698	3659						

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				

LTV82RG

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	1045	12788	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13.4°
		4K	1071	12609				
		5K	1083	12749				
NF		3K	949	1241				42.2°
		4K	972	1251				
		5K	983	1265				
WW		3K	965	2268		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	36.5°
		4K	989	2327				
		5K	1000	2353				

LTV82HS

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	1769	23685	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1817	23161				
		5K	1837	23426				
NF		3K	1409	1890				47.8°
		4K	1445	1914				
		5K	1462	1936				
WW		3K	1637	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	53.2°
		4K	1679	3616				
		5K	1698	3659				

KEY: FF = Flat Frame, SS = Flat Frame, RG = Rock Guard, HS = Half Shield, EB = Eyeball, 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.

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LTV82EB

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	1245	23685	UV	22W	.183 for 120V .106 for 208V .092 for 240V .079 for 277V	13°
		4K	1276	23161				
		5K	1292	23426				
NF		3K	968	1890				47.8°
		4K	993	1914				
		5K	1004	1936				
WW		3K	1198	3528		19W	.158 for 120V .091 for 208V .079 for 240V .069 for 277V	53.2°
		4K	1229	3616				
		5K	1242	3659				

KEY: FF = Flat Frame, SS = Flat Frame, RG = Rock Guard, HS = Half Shield, EB = Eyeball, 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.

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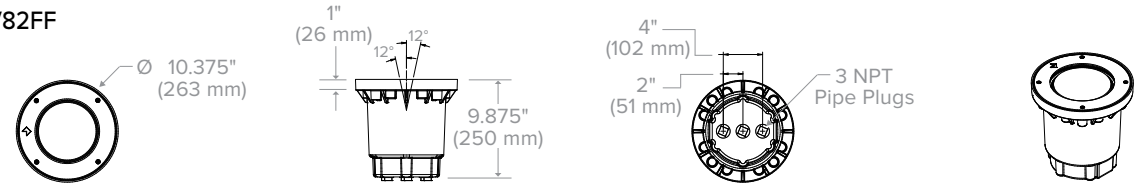
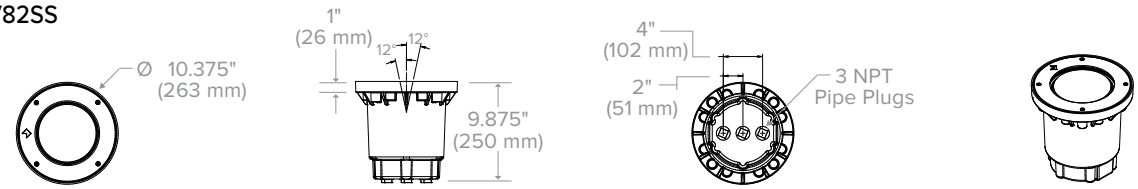
DIMENSIONS

Top View | Side View | Bottom View | ISO View

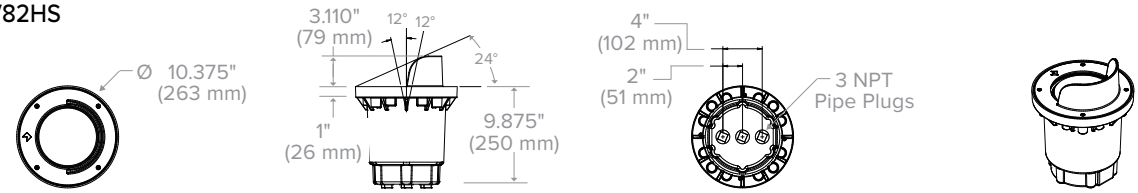
LTV82FF



LTV82SS



LTV82HS



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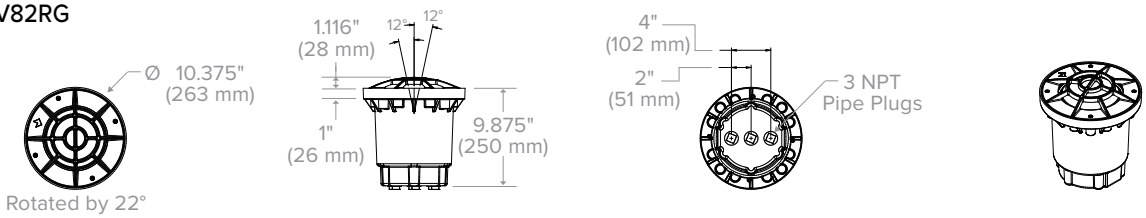
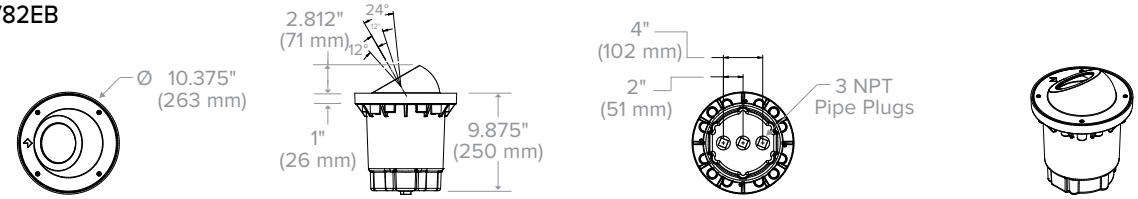
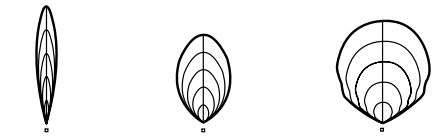


LTV82EB



LIGHT DISTRIBUTIONS:



Spot (SP) | Narrow Flood (NF) | Wall Wash (WW)

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.

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