

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.



#### LTV81FF



#### LTV82FF



#### LTV83FF



### DEBRIS SHIELDS



LTV81



LTV82



LTV83

### LIGHT DISTRIBUTIONS:

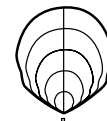
LTV81FF, LTV82FF, LTV83FF



Spot (SP)



Narrow Flood (NF)



Wall Wash (WW)

### ORDERING CODE

LTV8xFF							
Fixture Size	Distribution*	Source	Electrical Module		Lens Options <sup>1</sup>	Rebar Cage Anchor	
LTV81FF	13" Dia.	SP, NF, WW	36L	36 LEDs	SR Slip-Resistant Lens	RCA81 for LTV81	
LTV82FF	10-3/8" Dia.	SP, NF	18L	18 LEDs	PL Prismatic Lens	RCA82 for LTV82	
LTV82FF	10-3/8" Dia.	WW	16L	16 LEDs		RCA83 for LTV83	
LTV83FF	7-15/16" Dia.	SP, NF, WW	12L	12 LEDs			

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

Kim Lighting reserves the right to change specifications without notice.

**LTV81FF**

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						

**LTV82FF**

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						

**LTV83FF**

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:** FF = 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
<b>Correlated Color Temp. CCT (K)</b>	<b>2800K to 3175K</b>	<b>3800K to 4600K</b>	<b>4600K to 5600K</b>
<b>Color Rendering Index (CRI)</b>	≤80	≤80	≤70
<b>Power Factor</b>	>.90	>.90	>.90

**L70 Data**

	Calculated	Reported*
<b>350 mA</b>	<b>100,000</b>	<b>60,000</b>

\*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, 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:

- One-piece cast bronze lens ring fastened to the component module from the underside shall 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.



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