

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

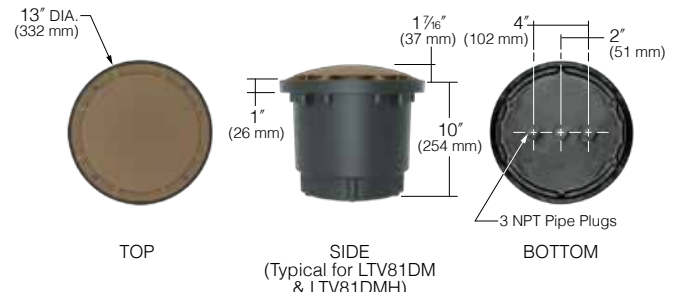


SPECIFICATIONS

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



LTV81DM



LTV83DM

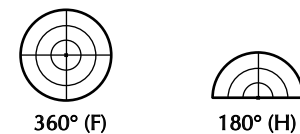


LTV82DM



LIGHT DISTRIBUTIONS:

LTV81DM, LTV82DM, LTV83DM



DEBRIS SHIELDS



ORDERING CODE

LTV8xDM					
Fixture Size	Distribution*	Source	Electrical Module		Rebar Cage Anchor
LTV81DM 13" Dia.	F Full	24L 24 LEDs	Color Temperature	Voltages	RCA81 for LTV81
LTV81DM 13" Dia.	H Half	12L 12 LEDs	3K 3000K	UV 120-277V	RCA82 for LTV82
LTV82DM 10-3/8" Dia.	F Full	18L 18 LEDs	4K 4000K		RCA83 for LTV83
LTV82DM 10-3/8" Dia.	H Half	9L 9 LEDs	5K 5000K		
LTV83DM 7-15/16" Dia.	F Full	12L 12 LEDs			
LTV83DM 7-15/16" Dia.	H Half	6L 6 LEDs			

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

Kim Lighting reserves the right to change specifications without notice.

LTV81DM

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
Full	24L	3K	269	185	UV	31W	13°	.258 for 120V .149 for 208V .129 for 240V .112 for 277V
		4K	322	221				
		5K	354	244				
Half	12L	3K	n/a	n/a	UV	16W	n/a	.133 for 120V .077 for 208V .067 for 240V .058 for 277V
		4K	n/a	n/a				
		5K	n/a	n/a				

LTV82DM

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
Full	18L	3K	216	133	UV	23W	15°	.192 for 120V .111 for 208V .096 for 240V .083 for 277V
		4K	258	159				
		5K	284	175				
Half	9L	3K	n/a	n/a	UV	12W	n/a	.100 for 120V .058 for 208V .050 for 240V .043 for 277V
		4K	n/a	n/a				
		5K	n/a	n/a				

LTV83DM

Optical Module	Source	Color Temperature	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Beam Angle*	Max. Amps
Full	12L	3K	240	108	UV	14W	20°	.117 for 120V .067 for 208V .058 for 240V .051 for 277V
		4K	288	130				
		5K	316	143				
Half	6L	3K	n/a	n/a	UV	16W	n/a	.058 for 120V .034 for 208V .029 for 240V .025 for 277V
		4K	n/a	n/a				
		5K	n/a	n/a				

KEY: DMF = Directional Marker Full 360°, DMH = Directional Marker Half 180°, **24L** = 24LEDs, **18L** = 18 LEDs, **12L** = 12 LEDs, **9L** = 9 LEDs, **6L** = 6 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 Candela shown is at 90° from unit.

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.

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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.
- 107 cu. in. splice area for LTV81.
- 52 cu. in. splice area for LTV82.
- 24 cu. in. splice area for LTV83.
- Housing 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 low profile, drive over, directional marker.

Optical Modules:

- (LTV81DMF) eight 3-LED modules secured directly to face trim and aimed out eight windows for a 360° distribution.
- (LTV81DMH) four 3-LED modules secured directly to face trim and aimed out four of eight windows for a 180° distribution.
- (LTV82DMF) six 3-LED modules secured directly to face trim and aimed out six windows for a 360° distribution.
- (LTV82DMH) three 3-LED modules secured directly to face trim and aimed out three of six windows for a 180° distribution.
- (LTV83DMF) four 3-LED modules secured directly to the face trim and aimed out four windows for a 360° distribution.
- (LTV83DMH) two 3-LED modules secured directly to the face trim and aimed out two of the four windows for a 180° distribution. Patterns not adjustable in field.

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:

- 5/16" thick clear UV stabilized acrylic and silicone gasket is retained securely within the component module.

Options:

- 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 5,000 lbs.

Certification:

- (UL1598, UL8750). 25°C ambient operation.
- SASO Certified for LTV82/83.

Warranty:

- For full warranty see <http://www.hubbelllighting.com/resources/warranty>
- Opening of Component Module on site will void warranty.



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