

LTV83

INGRADE



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



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

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
- 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

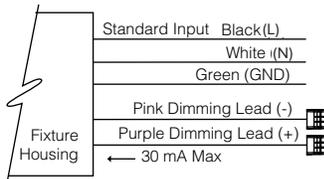
- Spot (SP), Narrow Flood (NF), and Wall Wash (WW) optical modules are adjustable up to 15° utilizing a Bluetooth enabled motor assembly
- Clear 5/16" thick tempered glass lens and silicone gasket is retained securely within the component module
- Optional Prismatic Lens (PL) available

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

RELATED PRODUCTS

LTV8FF RGBW

LTV8FF

LTV8SS RGBW

BLUETOOTH (CONTINUED)

- 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: LTV83-SS-NF-18L-4K-UV-SR-RCA83

CATALOG #

HOUSING

LTV83																			
Model	Style	Distribution		Source		Color Temperature		Voltages		Lens Options ²		Rebar Cage Anchor							
LTV83 7.9375" Dia., EB is 7.4375" Dia.	FF	Flat Frame		SP	Spot		12L	12 LEDs		3K	3000K		UV	120-277V		PL	Prismatic Lens		RCA83 for LTV83
	SS	Stainless Steel			NF	Narrow Flood		5L	5 LEDs (EB only)		4K	4000K		SR	Slip-Resistant Lens				
	HS	Half Shield		WW		Wall Wash			5K	5000K									
	RG	Rock Guard																	
	EB	Eyeball ¹																	

¹ Eyeball fixture comes only with 5 LED.

² All lens options are integral parts of component module and must be installed at factory.

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DELIVERED LUMENS

LTV83FF

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*		Total System Watts	Max. Amps	Beam Angle (50%) H x V	Field Angle (10%) H x V	NEMA Type
SP	12L	3K	1151	14996	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	1180	15382						
		5K	1195	15564						
NF		3K	988	1204				50.3 x 50.3	81.2 x 81.2	5H x 5V
		4K	1013	1235						
		5K	1025	1250						
WW		3K	1222	2611				52.3 x 20.8	93 x 53.6	5H x 4V
		4K	1253	2679						
		5K	1258	2709						

LTV83SS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*		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				50.3°
		5K	1195	15564				
NF		3K	988	1204				
		4K	1013	1235				
		5K	1025	1250				
WW		3K	1222	2611				52.3°
		4K	1253	2679				
		5K	1258	2709				

LTV83RG

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*		Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	12L	3K	715	8778	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	12.9°
		4K	733	9010				47°
		5K	741	9107				
NF		3K	622	754				
		4K	638	774				
		5K	645	784				
WW		3K	761	2101				46°
		4K	779	2155				
		5K	787	2178				

LTV83HS

Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*		Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	12L	3K	1113	14962	UV	14W	.117 for 120V .067 for 208V .058 for 240V .051 for 277V	12.7°
		4K	1141	15348				47.3°
		5K	1154	15521				
NF		3K	870	1205				
		4K	892	1238				
		5K	902	1251				
WW		3K	1134	2597				58.5°
		4K	1162	2665				
		5K	1176	2696				

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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LTV83EB

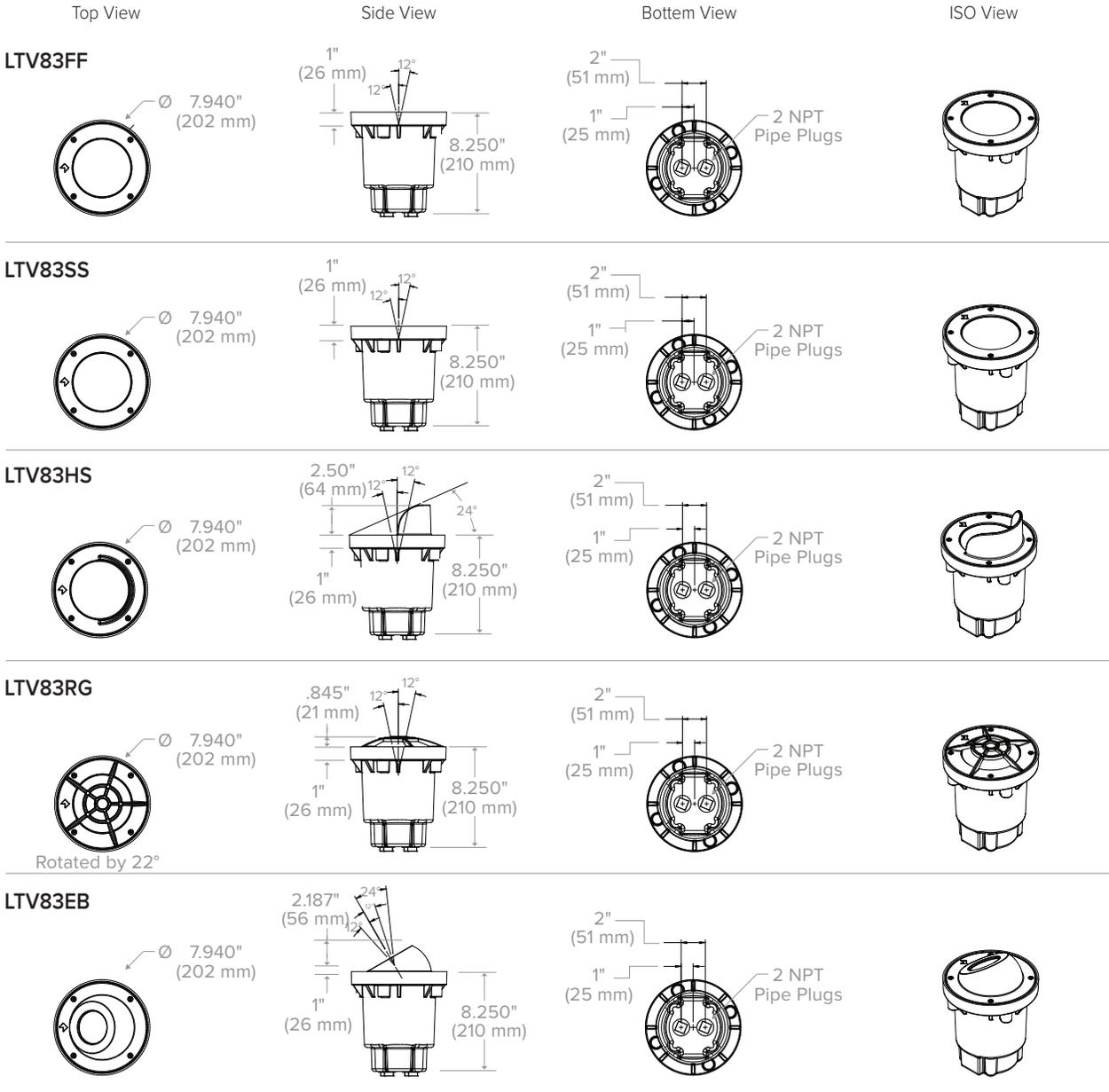
Optical Module	Source	Color Temp.	Absolute Lumens	Center Beam Candle Power*	Voltage	Total System Watts	Max. Amps	Beam Angle (50%) H x V
SP	5L	3K	523	7748	UV	6W	.05 for 120V .029 for 208V .025 for 240V .022 for 277V	12.7°
		4K	536	7941				
		5K	541	8030				
NF		3K	400	686				38.4°
		4K	410	704				
		5K	415	713				
WW		3K	699	1830			51.9°	
		4K	717	1876				
		5K	725	1898				

KEY: FF = Flat Frame, SS = Stainless Steel, 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, 5L = 5 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



LIGHT DISTRIBUTIONS:



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.