

# VR6 LED VR6M LED

Project Name:	
Type:	



### APPLICATION

The VR6 series is a premium grade architectural linear luminaire that can be wall or ceiling mounted. It is designed to provide the extra level of protection and security required in high occupancy public areas.

### FEATURES:

- Heavy 20 gauge steel material body. Includes knockouts for surface conduit and tandem mounting.
- UV stabilized polycarbonate lens available in frosted.
- Available with occupancy sensors (VR6M).
- Precision die formed 20 gauge full reflector that also acts as a wire cover with 92% reflectivity.

### MOUNTING:

- Surface wall, ceiling and pendant mount.
- Can be continuous row mounted as needed.

### LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 82.8
- Calculated L70: 122,000 hours
- Reported L70: >54,000 hours

### ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Universal Lighting Everline : 0-10V Dim to 1%(ULT)
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic : 0-10V 10% dim. (GR)
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).

### <ELCU-200>

- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

### LISTING:

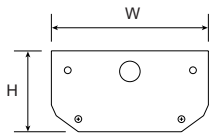
- UL / CUL listed.
- Listed to UL 1598 and UL 8750.
- Suitable for damp location.
- CEC Compliant EM (please contact for more information)
- ARRA compliant. (optional)
- 7 or 10 years limited warranty. (optional) <sup>3</sup>
- Bluetooth Mesh System available, please contact factory for more information.

### CONFIGURATIONS

Size	LED Watts	System Lumen	Color Temp.	CRI
4FT	36LED	3985 lm +	4000K	> 82.8
	40LED	4428 lm +		
	54LED	5977 lm +		
	72LED	7969 lm +		

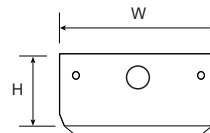
### OUTPUT CURRENT

		BI-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%



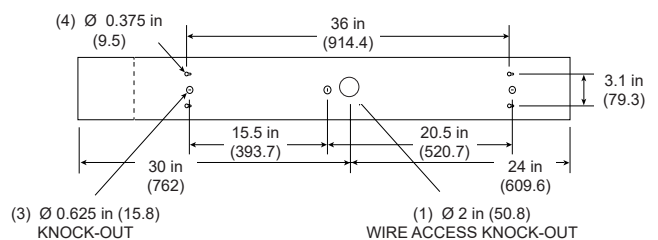
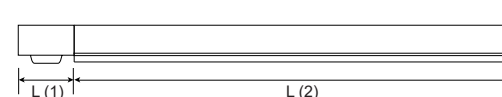
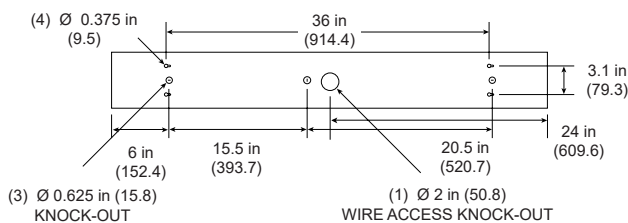
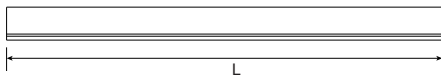
**Specifications: VR6**  
Height : 3.37 (85.7)  
Width : 6.5 (165.1)  
4' Length : 48 (1219.2)

All dimensions are in inches (millimeters).



**Specifications: VR6M**  
Height : 2.5 (65)  
Width : 6.5 (165.1)  
L(1) Length : 6 (152.4)  
L(2) Length : 48 (1219.2)

All dimensions are in inches (millimeters).



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ORDERING INFORMATION

EXAMPLE: VR6-4-36LED-40K-UNV


MODEL		LENGTH		LED		COLOR TEMP.		EFFICACY		CRI	
VR6	(Blank)	4	4' Length	36LED	36W LED	-27K	2700K <sup>7</sup>	(Blank)	Standard	(Blank)	80+ CRI
VR6M	Extended Body			40LED	40W LED <sup>6</sup>	-30K	3000K	HE	High Efficacy	C9	90+ CRI <sup>8</sup>
				54LED	54W LED	-35K	3500K				
				72LED	72W LED	-40K	4000K (Std.)				
						-50K	5000K				

\* Contact factory for custom wattage or lumen requirement.

LENS		VOLTAGE		LED DRIVER	
(Blank)	Frosted	UNV	120-277V (Std.)	GR	Generic, 0-10V 10% dim (Std.) <sup>5</sup>
		120	120V	PH	Philips Xitanium, 0-10V 1% dim <sup>5</sup>
		277	277V	ULT	Universal Everline 0-10V 1% dim <sup>5</sup>
		347	347V	OS	Osram Optotronic, 0-10V 10% dim <sup>5</sup>
				OS1	Osram Optotronic, 0-10V 1% dim <sup>5</sup>
				SD40	40% / 100% Bi-Level Step dim (PH only)
				SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)
				TDM	Triac Dim. (120V only)
				TD30/70	30% / 70% / 100% Tri-Level Step dim (PH only)
				TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)
				ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
				EC	eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive)
				LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
				ELV	ELV compatible (reverse-phase or trailing-edge)
				PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim
				PHDL	Philips Xitanium DALI driver, Dim to 5%
				DIMT	Tri-mode dimming (Triac, ELV, 0-10V)
				LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)
				BLT	Bluetooth Mesh System (contact factory for more information)

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OPTIONS		
<b>EMG8</b>	1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>4, 15</sup>	<b>TR</b> Vandal Resistant <b>RS-LRD</b> Remote programmer for LRD-509S and LRD-309S <sup>14</sup> <b>LRD-309S-x</b> 0-10V Dimming Control Occupancy Sensor, Fail on (*IR remote programmable), (See note 13 to select lens for "x") <sup>11, 12, 14</sup> <b>LRD-509S-x</b> Fixture integrated 0-10V SmartDIM or multi-level high/low dim control occupancy sensor 120-277V, Fail on, (*IR remote programmable) (See note 13 to select lens for "x") <sup>11, 12, 14</sup> <b>LOS-502S</b> Fixture integrated mount ON/OFF PIR Occupancy sensor No dimming support. 120/277V. w/ standard round lens 8-20FT mounting height, with x2 height coverage, Dip switch setting, Fail on <sup>14</sup> <b>RS</b> Remote handheld configuration tool for FSP-211 <small>* Contact Factory for more options.</small> <b>AMB</b> Anti-Microbial Coating (Matte Skye White)
<b>EMG15</b>	2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>4, 15</sup>	
<b>EMG20</b>	3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>4, 15</sup>	
<b>ELCU-200</b>	Fail-to-on Emergency lighting, UL924 <sup>9</sup>	
<b>GTD</b>	Bodine Generator Transfer Device	
<b>GTD10DIM</b>	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	
<b>FSP-211-x</b>	Motion Sensor (Dim to low level then turned off after time delay or stay at low level) <sup>1</sup> (See note 16 to select lens for "x")	
<b>FSP-212-x</b>	Motion Sensor (Dim to low level then turned off after time delay) <sup>1</sup> (See note 16 to select lens for "x")	
<b>ARRA</b>	Assembled in USA for Buy American Act	
<b>O7W</b>	Optional 7 Years Limited Warranty <sup>3</sup>	
<b>O10W</b>	Optional 10 Years Limited Warranty <sup>3</sup>	

LIGHTING CONTROL SYSTEM	
<b>LUTRON VIVE</b>	<a href="#">&lt;Lutron Vive System Enabled&gt;</a> <sup>17</sup>  <a href="#">Click Here!</a>
<b>SNS200C</b>	<a href="#">&lt;EasySense&gt;</a> <sup>17</sup>
<b>RS-IR</b>	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) <sup>10</sup> IR dongle v2.0 for EasySense control

NOTES:

- Available with VR6M. Must specify voltage either 120V or 277V.
- Contact factory for custom wattage or lumen requirement.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation. (EM battery backup does not included)
- Contact factory for other emergency ballast options.
- To find an approved dimmer switch, please see table 1.
- Not available with GR driver.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Shipped separately.
- Please see Compatible Phone list in the separate attachment. If not listed, please order "RS-IR", and follow IR-Dongle user guide and NFC and IR app user's manual. Android users only.
- Its default setting can be found on the IR-TEC installation instructions.
- Order "RS-LRD" to adjust sensor setting.
- A:** Standard cone shape Lens @ 15' height (up to 30' coverage)  
**B:** Extra wide cone shape Lens @ 10' height (up to 60' coverage)  
**C:** High bay cone shape Lens @ 30' height (up to 90' coverage)  
**D:** Standard round shape Lens @ 20' height (up to 40' coverage)  
**F:** Extra wide dome shape Lens @ 20' height (up to 80' coverage)  
**G:** Aisle way arch shape Lens @ 40' height (up to 120' coverage)  
**H:** High bay dome shape Lens @ 50' height (up to 50' coverage)
- Available with VR6M only.
- Must specify voltage, not available with 347V.
- L2:** FSP-L2 Lens @ 8' height (up to 48' diameter)  
**L3:** FSP-L3 Lens @ 20' height (up to 40' diameter)  
**L7:** FSP-L7 Lens @ 40' height (up to 100' diameter)
- Not available with VR6M.

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COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit <a href="http://www.lutron.com/advance">www.lutron.com/advance</a> for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IllumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DDTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO <sup>1,2</sup> Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
ELV/TDM	ERP	<Lutron>	S-603PG, DVCL-153P, DV-600P, TGCL-153P, S-600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500
		<Leviton>	IPI06-1LZ, 6631-2, VPE06.6683-IW, 6161, 6633-P, IPE04
		<Cooper>	DLC03P, SLC03P, DAL06P
		<Lightolier>	ZP260QEW
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit <a href="http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf">http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf</a> for a list of compatible dimmer switches.

NOTES:

- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at [www.lutron.com](http://www.lutron.com).
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.