LED LINEAR CEILING / WALL LIGHT

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.
- Paint after fabrication.

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: +60,000 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).
- 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).
- BAA compliant (optional).
- 7 or 10 years limited warranty. (optional) [3]
- 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

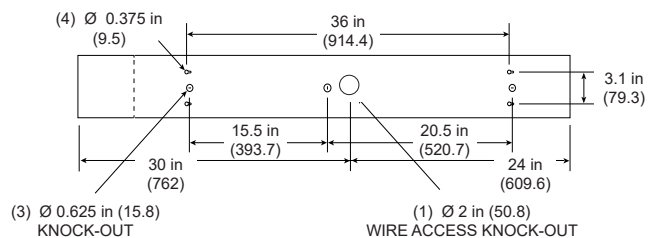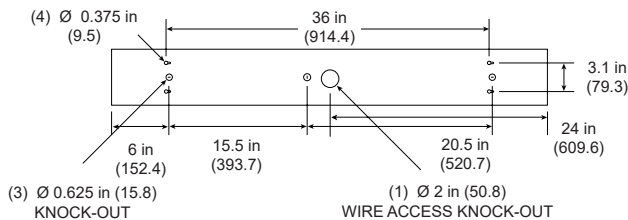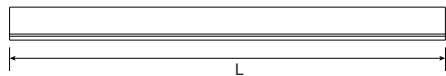|		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%
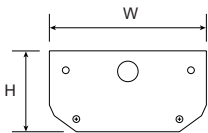
Specifications: **VR6**
Height : 3.37 (85.7)
Width : 6.5 (165.1)
4' Length : 48 (1219.2)

All dimensions are in inches (millimeters).

(4) Ø 0.375 in (9.5)
36 in (914.4)
3.1 in (79.3)
6 in (152.4)
15.5 in (393.7)
20.5 in (520.7)
24 in (609.6)
(3) Ø 0.625 in (15.8) KNOCK-OUT
(1) Ø 2 in (50.8) WIRE ACCESS KNOCK-OUT
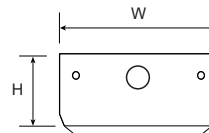
Specifications: **VR6M**
Height : 2.5 (65)
Width : 6.5 (165.1)
L(1) Length : 6 (152.4)
L(2) Length : 48 (1219.2)

All dimensions are in inches (millimeters).

(4) Ø 0.375 in (9.5)
36 in (914.4)
3.1 in (79.3)
30 in (762)
15.5 in (393.7)
20.5 in (520.7)
24 in (609.6)
(3) Ø 0.625 in (15.8) KNOCK-OUT
(1) Ø 2 in (50.8) WIRE ACCESS KNOCK-OUT

VR6 LED
VR6M LED

VR6

VR6M

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 [7]	(Blank)	Standard	(Blank)	80+ CRI
VR6M	Extended Body			40LED	40W LED [6]	-30K	3000K	HE	High Efficacy 🔺10%	C9	90+ CRI [8]
				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.) [5]
		120	120V	DM1	Generic 0-10V 1% dim
		277	277V	PH	Philips Xitanium, 0-10V 1% dim [5]
		347	347V	OS	Osram Optotronic, 0-10V 10% dim [5]
				OS1	Osram Optotronic, 0-10V 1% dim [5]
				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), (120V only)
				PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim
				PHDL	Philips Xitanium DALI driver, Dim to 5%
				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

EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [4, 15]	**TR**	Vandal Resistant
EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [4, 15]	**RS-LRD**	Remote programmer for LRD-509S and LRD-309S [14]
EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [4, 15]	**LRD-309S-x**	0-10V Dimming Control Occupancy Sensor,
EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [4, 15]		Fail on (*IR remote programmable), (See note 13 to select lens for "x") [11, 12, 14]
ELCU-200	Fail-to-on Emergency lighting, UL924 [9]	**LRD-509S-x**	Fixture integrated 0-10V SmartDIM or multi-level high/low dim control
GTD	Bodine Generator Transfer Device		occupancy sensor 120-277V, Fail on, (*IR remote programmable)
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)		(See note 13 to select lens for "x") [11, 12, 14]
FSP-211-x	Motion Sensor (Dim to low level then turned off after time delay or stay at low level) [1]	**LOS-502S**	Fixture integrated mount ON/OFF PIR Occupancy sensor
	(See note 16 to select lens for "x")		No dimming support. 120/277V. w/ standard round lens 8~20FT mounting
FSP-212-x	Motion Sensor (Dim to low level then turned off after time delay) [1]		height, with x2 height coverage, Dip switch setting, Fail on [14]
	(See note 16 to select lens for "x")	**RS**	Remote handheld configuration tool for FSP-211
ARRA	Assembled in USA for Buy American Act		* Contact Factory for more options.
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant	**AMB**	Anti-Microbial Coating (Matte Skye White)
O7W	Optional 7 Years Limited Warranty [3]		
O10W	Optional 10 Years Limited Warranty [3]		

LIGHTING CONTROL SYSTEM

LUTRON VIVE	<Lutron Vive System Enabled> [17]
	Vive by LUTRON ✴ **Click Here!**
SNS200C	<EasySense> [17]
RS-IR	EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) [10]
	IR dongle v2.0 for EasySense control
IFS105SE	<Bluetooth>
PPA102S	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming
	Bluetooth Powerpack (Consult factory for installation location)

NOTES:
1. Available with VR6M. Must specify voltage either 120V or 277V.
2. Contact factory for custom wattage or lumen requirement.
3. 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)
4. Contact factory for other emergency ballast options.
5. To find an approved dimmer switch, please see table 1.
6. Not available with GR driver.
7. Available with C9 only.
8. Lumen per watt is around 15% less than standard CRI (80+).
9. Shipped separately.
10. 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.
11. Its default setting can be found on the IR-TEC installation instructions.
12. Order "RS-LRD" to adjust sensor setting.
13. **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)
14. Available with VR6M only.
15. Must specify voltage, not available with 347V.
16. **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)
17. Not available with VR6M.

UTOPIA LIGHTING

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COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand		Compatible Dimmer Switch
(Blank)	-	\<Leviton\>	IllumaTech IP7 series
		\<Lutron\>	Visit www.lutron.com/advance 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 - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		\<Crestron\>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
LDE1	Lutron Hi-lume 1% EcoSystem	\<Lutron\>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO [1,2] Energi Savr Node (120V only): QSN-1EC0-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
TDM	KEYSTONE	\<Lutron\>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		\<Leviton\>	6641, IllumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	\<Lutron\>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	\<Lutron\>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:
1. 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.
2. 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.