

VRL Series Vandal Resistant Linear Light

VANDAL RESISTANT LIGHTING

300-480V

100-277V

**LM79
LM80**

IP65



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____

DESCRIPTION

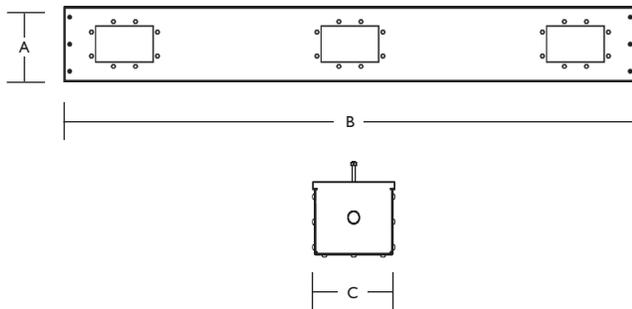
The ActiveLED® VRL Series Vandal Resistant Linear Light is designed to resist the harshest abuses while providing clear and concise illumination for a higher level of pedestrian safety in an affordable, maintenance free lighting solution. The tamper-proof hardware is designed to withstand extreme physical assault and environmental abuse.

Applications include: Public Parks, Public Restrooms, Rest Stops, Transit Station, Pedestrian Tunnels & Walkways



VRL Series Vandal Resistant Linear Light

DIMENSIONS



A	B	C
5"	48"	6"
12.70cm	121.92cm	15.24cm

FEATURES

- Vandal Resistant Enclosure - Cold Rolled 12 gauge steel. Powder coated fabrication.
- High Impact Diffuser - Tested at over 6 joules.
- ActiveREST™ Dimming Technology - Fixture may be automatically dimmed when full light levels are not required. EXAMPLE - Dimming level 40 equates to less than 9% of actual watts being consumed.
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- Dusk/Dawn Sensor - Optional photocell allows fixture to automatically turn on or off based on daylight detection.
- IR Receiver - Optional integral IR sensor only for ON-to-Dim programming.
- Warranty - 10 Year Warranty on LED elements, fixture housing, and LED Driver. Eligible for extended two year warranty. See page 2 for additional warranty information.

MOUNTING OPTIONS

Contact factory for mounting options.



LIGHT OUTPUT

2,640 lm

WATTS

30 W

LUMENS per WATT

88 lm/W

LIGHT COLOR (CCT)

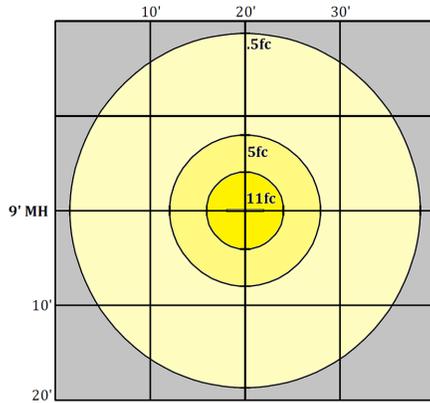
5104 K

ActiveLED®
Energy Efficient Lighting and Controls

NOTE: Lighting Facts shown for VRL, 36W only.
For more Lighting Facts, visit lightingfacts.com for the Label and Label Reference Guide.



PHOTOMETRICS



PERFORMANCE DATA

AMBIENT TEMPERATURES	0 HOURS	45,000 HOURS	90,000 HOURS
77°F (25°C)	1.00	0.99	0.99
104°F (40°C)	1.00	0.98	0.96
131°F (55°C)	1.00	0.96	0.92
140°F (60°C)	1.00	0.95	0.90

Projected Lumen Maintenance (TM-21)

NOTE: Calculated using data collected according to LM-80 lumen maintenance on the LED package.

NOTE: Photometrics shown for VRL, 36W only. Contact company for photometrics on other sizes.

GENERAL SPECIFICATIONS

Input Voltage	See options below under "Voltage"	LED Optics	IP65 rated, thermally bonded LEDs, borosilicate glass lens w/silicone sealing. Patented thermal management mounting system
Input Power	30 Input Watts 36 LED Watts	CCT	2700K, 3000K, 3500K, 4000K, or 5000K
Power Factor	> 0.95 (at ~100-277 Volts)	Housing	Extruded aluminum for enclosure and heat sinking parts, stainless steel hardware
THD	Total Harmonic Distortion (THD) <20% (typical 9.9%)	Finish	Powder coated after fabrication
Driver	Integral driver with integrated intelligent controls and integral heat sink	Dimensions	6" Wide x 48" Long and 5" High (15.24cm x 121.92cm x 12.7cm)
Operating Temperature	-58° F to 149° F (-50° C to 65° C)	Weight	40 pounds (18.14kg) (48" length)
Lumen Lifetime	L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)		

WARRANTY

Ten (10) Year Warranty - LEDs, Fixture, and Driver shall conform to its published specifications under normal usage and operating conditions including "no light loss" of more than 10% at the end of the period. LEDs will produce at least 90% of their initial light output with no color shift after 90,000 hours of operation. Extended 2 year warranty available when fixture is used in conjunction with an ActiveLED Surge Protection Device (SPD). See "Limited Warranty for Ringdale Industries and ActiveLED Lighting Products" for more information.

LISTINGS AND TESTS

cUL listed driver, CE, suitable for exterior locations. RoHS compliant. IP65 Rated optical assembly. LM-79 and LM-80 info available. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

ORDERING INFORMATION

Example: VRL48U-S-C5036WHQ

Style	Voltage	Mount	Diffuser	CCT	Watts	Color	Options
VRL48			C		36		
VRL48 48" Light 36W Max	U- 100-277 VAC, 50/60 Hz. Digitally capable	S Surface / Rafter Mount, Vandal Proof	C High Impact Diffuser	50 5,000K	36 36W LED, 30W Max Lumens at 5,000K	SL Silver	D Dusk-to-Dawn
	J- 100-277 VAC, 50/60 Hz. Manual Dimmer	W Wall Mount, Vandal Proof		40 4,000K		BK Black	Q Pigtail, 10' AC Indoor/Outdoor Whip
	I- 110-120 VAC, Single Voltage 60 Hz.			35 3,500K		BR Brown	R IR Receiver Only, Programmable ³
	2- 277 VAC, Single Voltage 60 Hz.			30 3,000K		BZ Bronze	
	3- 100 VAC, Single Voltage 60 Hz.			27 2,700K		CG Charcoal	
	4- 208 VAC, Single Voltage 60 Hz.					WH White	
	5- 240 VAC, Single Voltage 50 Hz.					X Custom	
	6- 300-480 VAC, 50/60 Hz. Autosensing						
	N- None ¹						
	E- 45/48 VDC Driver ²						

¹ Requires remote driver. Consult factory.

² No AC Support.

³ 48W and 72W Only.