

SOLID STATE AREA LIGHTING

VRS CANOPY SERIES-VLED

S P E C I F I C A T I O N S

HOUSING

Unitized 0.125" heavy wall aluminum construction. Upper side vents are protected with perforated aluminum panels. Side vents and bottom lens frame vents provide passive and forced convective cooling of the **VLED** module. Internal driver compartment is gasketed and sealed.

VLED OPTICS

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Module is sealed to meet an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord.

LED DRIVER

Drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Constant current driver is electronic and has a power factor of >0.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz or 347-480V, 50/60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

CANOPY MOUNTINGS

Standard 1" high cast aluminum mounting plate with central wireway or 2" high heavy gauge wire box with 3/4" conduit knockouts on each side.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME: _____

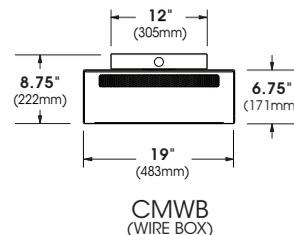
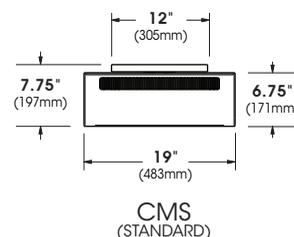
FIXTURE TYPE: _____



VRS CANOPY LED*

*VRS-CMWB LED SHOWN

PATENT PENDING



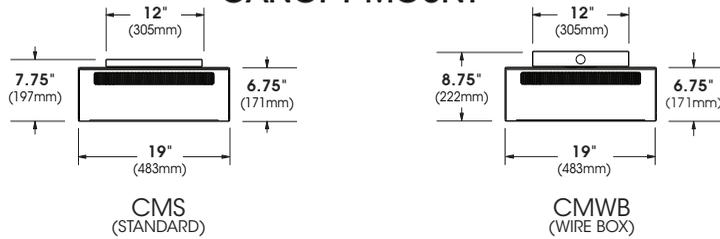
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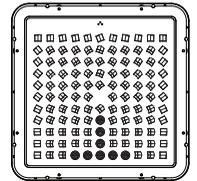
VRS CANOPY SERIES - VLED

SPECIFICATIONS

CANOPY MOUNT



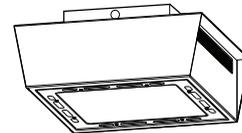
VLED® MODULES



VRS-CMS LED

E.P.A. = 1.14
Available in:
80, 64 & 48 LED Module

120 LED Module



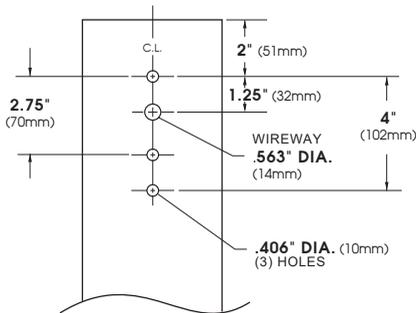
VRS-CMWB LED

E.P.A. = 1.24
Available in:
80, 64 & 48 LED Module

MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT 350mA	525mA
80	85W	130W
64	70W	108W
48	55W	79W

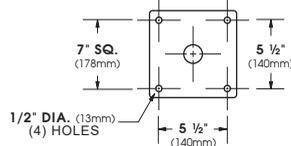
POLE DRILLING TEMPLATE



WALL MOUNT



WALL PLATE



Spec/Order Example: VRS LED/III/64LED525mA208/CMS/RAL-7004-T/HS

SPEC / ORDERING INFORMATION

MODEL	OPTICS	LED				FINISH	OPTIONS
<input type="checkbox"/> VRS-CMS LED (STANDARD)	<input type="checkbox"/> TYPE II	No. LEDs	DRIVE CURRENT	COLOR TEMP-CCT	VOLTAGE	STANDARD TEXTURED FINISH	
<input type="checkbox"/> VRS-CMWB LED (WIRE BOX)	<input type="checkbox"/> TYPE III	<input type="checkbox"/> 80LED	<input type="checkbox"/> 525mA	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> DIMMER (0V-10V PROVIDED) DIM
	<input type="checkbox"/> TYPE IV	<input type="checkbox"/> 64LED	<input type="checkbox"/> 350mA	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR HLSW
	<input type="checkbox"/> TYPE V	<input type="checkbox"/> 48LED		<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS HS
	<input type="checkbox"/> V-SQ			CONSULT FACTORY FOR OTHER LED COLORS	<input type="checkbox"/> 277	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> EXTERNAL HOUSE SIDE SHIELD EHS
					<input type="checkbox"/> 347	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) PC+V
					<input type="checkbox"/> 480	FOR SMOOTH FINISH REPLACE SUFFIX 'T' WITH SUFFIX 'S' (EXAMPLE: RAL-9005-S)	<input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY TPR
						CONSULT FACTORY FOR CUSTOM COLORS	<input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY TPR7
							<input type="checkbox"/> SINGLE FUSE (120V, 277V, 347V) SF
							<input type="checkbox"/> DOUBLE FUSE (208V, 240V, 480V) DF
							<input type="checkbox"/> BLUE-TOOTH PROGRAMMABLE PHOTO/MOTION SENSOR (FACTORY - MOTION 50/100; PHOTO 75c) MS-F311



VRS CANOPY SERIES - VLED

LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
48	LED	48 VLED® Optical Module - 350mA	5,664 - 6,022	5,381 - 5,721	5,947 - 6,323	60,000+	-20°F	53	120 277 347	0.45 0.20 0.16
48	LED	48 VLED® Optical Module - 525mA	7,799 - 8,292	7,409 - 7,877	8,189 - 8,707	60,000+	-20°F	77	120 277 347	0.65 0.26 0.23
64	LED	64 VLED® Optical Module - 350mA	7,552 - 8,030	7,174 - 7,629	7,930 - 8,432	60,000+	-20°F	71	120 277 347	0.60 0.26 0.21
64	LED	64 VLED® Optical Module - 525mA	10,399 - 11,057	9,879 - 10,504	10,919 - 11,610	60,000+	-20°F	102	120 277 347	0.85 0.37 0.30
80	LED	80 VLED® Optical Module - 350mA	8,883 - 9,445	8,439 - 8,973	9,327 - 9,917	60,000+	-20°F	87	120 277 347	0.73 0.33 0.26
80	LED	80 VLED® Optical Module - 525mA	12,110 - 12,876	11,505 - 12,232	12,716 - 13,520	60,000+	-20°F	130	120 277 347	1.09 0.47 0.38

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(9K) - TM-21 6x rule applied

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

