



VRS1-LED

Vandal Resistant High Abuse LED Ceiling Surface

PRODUCT SPECIFICATION

The VRS1 is designed for general purpose lighting in high abuse areas, stairwells, locker rooms, showers, and parking garages.

Mounting

Surface-mounts to ceiling.

Housing

Die-formed 18 gauge cold rolled steel with seams welded and ground smooth. Stainless steel and 16 gauge aluminum available.

Door

One piece, 18 gauge cold rolled steel with seams welded and ground smooth and 14 gauge lens retainers. Freedom Hinge™ design permits removal and hinging from either side. Stainless steel and 16 gauge aluminum available.

Internal Lens

LED diffusing Lexan, standard.

Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

Driver

0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max.

Hardware

Recessed, stainless steel, tamper-proof fasteners.

Wiring

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications

UL Listed damp or wet location. IP65 rated. Covered ceilings only.

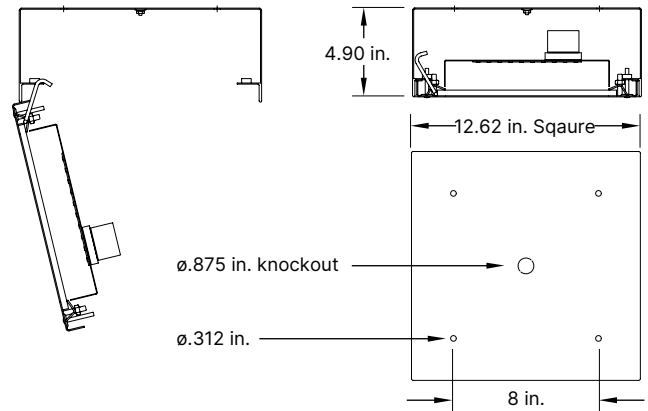


Job Name _____

Fixture Type _____

Catalog No. _____

Approval _____ Date _____



one two three four five six seven eight nine ten eleven twelve thirteen fourteen
VRS1 - - / - - VAR DM - / - K -

one LED Source Refer to the LED Source Table on Page 2 for available options.	six Finish R Brushed (Stainless steel only) W White	eleven Door Fasteners AP Stainless steel allen head with pin TP Stainless steel torx head with pin PH Phillips, non-security
two Color Temperature 30 3000K 35 3500K 40 4000K 50 5000K	seven Voltage VAR Variable, 120-277 V, 50/60Hz	twelve Electrical Access K 0.875 in. diameter knockout(s), <u>standard</u>
three CRI 80 80 CRI 90 90 CRI	eight Driver DM 0-10Vdc Dimming, <u>standard</u>	thirteen UL Listing D Damp Location W Wet Location
four Material Gauge N 18 gauge D 16 gauge, aluminum only	nine Internal Lens 122 Optic Plus LED diffusing acrylic 130 LED diffusing Lexan, <u>standard</u> 53 .125 in. prismatic acrylic 12 .125 in. prismatic polycarbonate 15 .156 in. prismatic polycarbonate	fourteen Options AM Anti-microbial coating (exposed areas) CU Canadian UL Listing EM Emergency battery backup FH Fuse and holder
five Material C Cold rolled steel S Stainless steel A Aluminum	ten External Lens 00 No external lens, <u>standard</u> 33 .125 in. clear polycarbonate 30 .187 in. clear polycarbonate 32 .250 in. clear polycarbonate	

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

CRI	LED Life
>80	>100,000

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	
1' x 1' Fixture									
1W19	1985	117	2015	119	2074	122	2132	125	17.0
1W25	2657	116	2697	117	2776	121	2854	124	23.0
1W31	3270	113	3319	114	3417	118	3513	121	29.0

Delivered lumen output calculated using 130 inner lens and no outer lens (Highlighted below).

Lens Multiplier - Use the multipliers below to adjust the delivered lumens									
Internal Lens					External Lens				
53	.125 in. prismatic acrylic		1.05		33	.125 in. clear polycarbonate		0.86	
12	.125 in. prismatic polycarbonate		1.03		30	.187 in. clear polycarbonate		0.85	
15	.156 in. prismatic polycarbonate		1.02		32	.250 in. clear polycarbonate		0.83	
122	Optic Plus diffusing acrylic		1.05		00	No external lens		1.00	
130	.118 in. LED diffusing Lexan, <u>standard</u>		1.00		90 CRI Multiplier			.86	

Specified Output Option

L.C. Doane programmable drivers allow us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

Example Model:

VRS1-**1**WSO-40/80-CW-VARDM-130/00-TPD-(**XXXX**)

1W = Number of rows.

LUMENS = XXXX