

## VANL

### Vandal Resistant Luminaire

The VANL series by Lamar LED is a specification-grade architectural luminaire for high-abuse and vandal resistant applications. The housing is an extruded aluminum construction with die-cast end plates. The polycarbonate lens adds to its robustness and allows this unit to be used in high abuse areas. The luminaire can be ceiling or wall mounted and is suitable for wet locations (ceiling mount) and damp locations (wall mount). Ideal for schools, community centers, stairwells, natatoriums, and more. Operating ambient temperature range as low as -20°C to as high as 40°C on most models.



### Features and Specifications

#### Construction:

- Extruded aluminum housing/Die cast endcaps
- Standard lens; Opal, high impact extruded UV stabilized polycarbonate. Smooth external surface for easy cleaning, internal ribs for optical efficiency.
- Highly resilient and chemical resistant microcellular closed-cell gasket seals lens to the housing and Endcaps. Optional neoprene gasket for surface/ ceiling interface.
- ADA compliant design
- 5 Stage pretreatment and textured architectural white polyester powder coated after fabrication. Custom Colors are available, consult factory for details.

#### Size Options:

- Available in 2' or 4' lengths (nominal), 9.25" or 5.3125" wide

#### Mounting Options:

- Surface mount on ceiling or wall

#### Listings & Ratings:

- UL listed for wet locations ceiling mounted. Suitable for Damp locations when wall mounted. (CAN & USA, ANSI/UL1598 & UL8750). IEC60598 IP64 (Certified dust-tight and resistant to jets of water). Exceeding IK10 impact resistance rating.

#### Driver:

- Universal voltage 120-277V standard
- Custom driver tuning for specific lumen requirements
- 0-10V dimming standard

#### Warranty:

- 5 years - part replacement only (see our terms & conditions page at [www.lamarled.com](http://www.lamarled.com) for details)

#### Ordering Matrix/Example

VANL-W-48-M-35

Series	Width	Length	Power	CCT	Finish Options	General Options	Run Configurations
<b>VANL</b>	—	—	—	—	—	—	—
Series	Width	Length	Power	CCT	Finish Options	General Options	Run Configuration
<b>VANL</b> = Vandal Resistant	<b>N</b> = Narrow (5") <b>W</b> = Wide (9")	<b>24</b> = 2' nominal <b>48</b> = 4' nominal	<b>L</b> = Low <b>M</b> = Medium <b>H</b> = High	<b>30</b> = 3000K <b>35</b> = 3500K <b>40</b> = 4000K <b>50</b> = 5000K	<b>Blank</b> = Textured White <b>RAL-XX</b> = Custom RAL color*	<b>EM</b> = Emergency pack >90 min., >500 lumens <b>DTD</b> = 0-10V Dim to Dark <b>NA</b> = Natatorium construction <b>NLS</b> = No lens screws	<b>Blank</b> = Individual <b>BOR</b> = Beginning of run <b>EOR</b> = End of run <b>INT</b> = Intermediate

Consult factory for additional options not shown or listed. Lumen values may vary slightly by color temp and tolerances.

Correlated Color Temperatures (CCTs) fall within the nominal range as per ANSI C78.377A

#### Project Information:

Job Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_

Comments: \_\_\_\_\_

#### Certification & Listings:

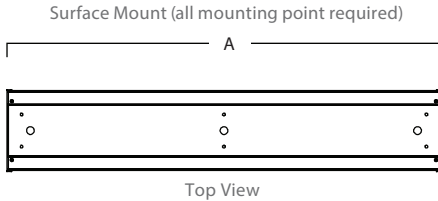


Specifications subject to change without notice - Rev 0426

## Dimensions

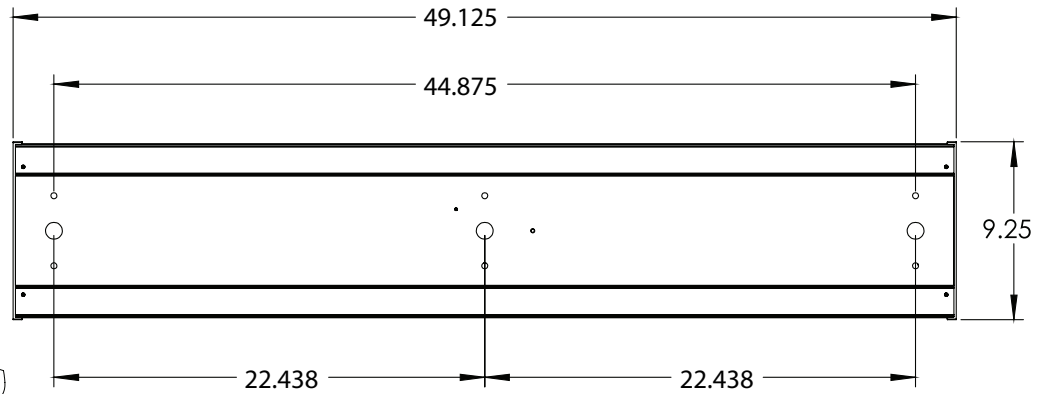
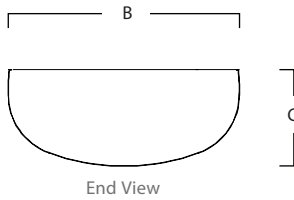
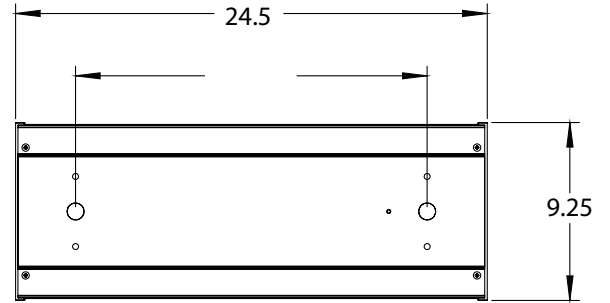
BEFORE INSTALLATION, PLEASE CONSULT YOUR LOCAL ORDINANCES AND BUILDING CODES FOR COMPLIANCE

## Wide Body



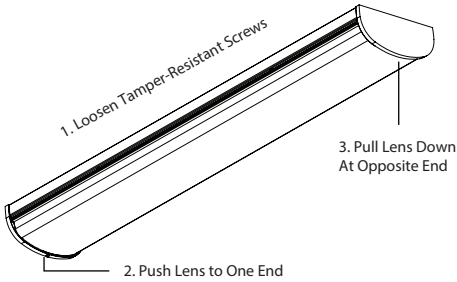
	Dimensions (inch)		
	A	B	C
24	24.5"	9.25"	3.97"
48	49.125"	9.25"	3.97"

Consult installation guide for exact dimensions.



## Installation Details

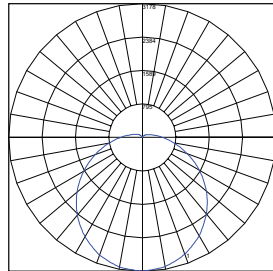
Fixture Opening Method



## Lumen/Wattage Chart - 4000K

### Photometric Performance

Characteristics	
Luminaire Lumens	10021
Efficacy Rating	128
Total Luminaire Watts	78.5
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.38



Degrees	Luminance Data (cd/sq.m)		
	0-Deg	45-Deg	90-Deg
45	10162	8754	8183
55	10077	8123	7257
65	10176	7361	6021
75	11113	6439	4128
85	17669	6121	1109

Zonal Lumens	
Zone	Lumens
0-30	2445
0-40	3994
0-60	7807
0-90	9506
90-180	515

\*Based on IES Performance, VANL-W-48-H-40

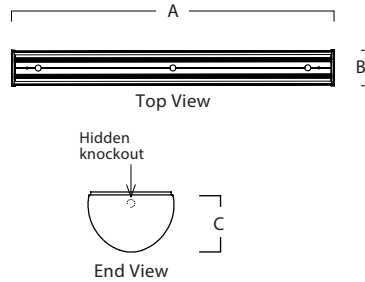
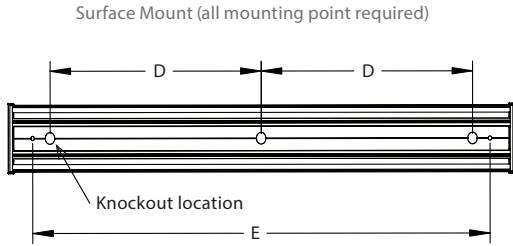
### Wattage Chart

	Low (L)	Medium (M)	High (H)
2'	18.5W - 2507lu	26W - 3507 lu	42W - 5544 lu
4'	26W - 3507 lu	56W - 7222 lu	79W - 10021lu

Dimensions

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## Narrow Body

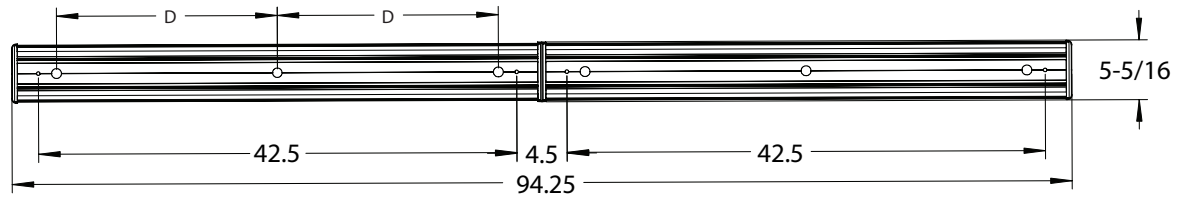
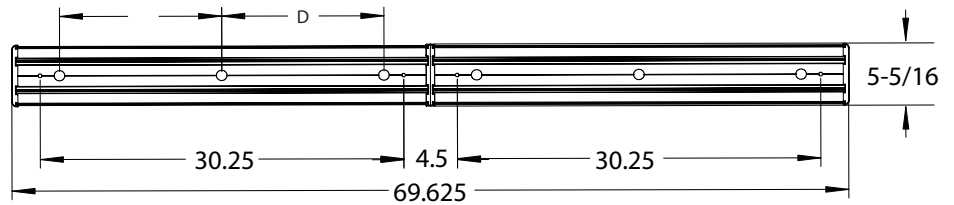
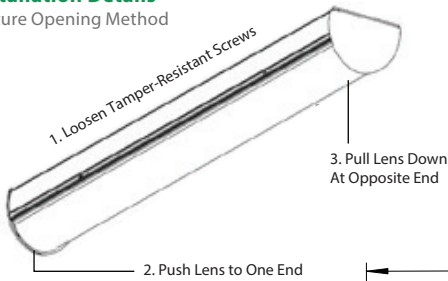


	Dimensions (inch)		
	A	B	C
24	24"	5.3125"	3.5"
48	47.25"	5.3125"	3.5"

Consult installation guide for exact dimensions.

### Installation Details

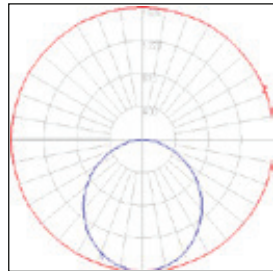
Fixture Opening Method



### Lumen/Wattage Chart - 4000K

#### Photometric Performance

Characteristics	
Luminaire Lumens	5583
Efficacy Rating	130
Total Luminaire Watts	42.8
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38



Degrees	Luminance Data (cd/sq.m)		
	0-Deg	45-Deg	90-Deg
45	13248	9806	8676
55	13579	8847	7284
65	14598	7900	5591
75	17652	7045	3375
85	31611	6536	659

Zonal Lumens	
Zone	Lumens
0-30	1260
0-40	2067
0-60	3707
0-90	5180
90-180	403

\*Based on IES Performance, VANL-N-48-H-40

#### Wattage Chart

	Low (L)	Medium (M)	High (H)
2'	19W - 2540 lu	24W - 3205 lu	28W - 3520lu
4'	26W - 3550 lu	35W - 4775 lu	43W - 5580 lu

LAMAR LED assumes no responsibility for misapplication of fixtures  
Due to the rapid advancements in LED technology, please consult our website for the most current technical data.

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