LAMARLED

VANL

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 it's 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 stablilized 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 pretreatement 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 for details)

Ordering Matrix/Example **VANL-W-48-M-35**

Series	Width	Length	Power	CCT	Finish Options	General Options	Run Configurations
VANL –	____ –	____ –	____ –	____ –	____ –	____ –	____

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

UL CERTIFIED · 120-277V Universal · CRI 80+ · FOR CEILING MOUNT WET LOCATION IP65 · IK10 · RoHS COMPLIANT · 0-10V DIM · 5 YEAR WARRANTY · FOR WALL MOUNT IP64

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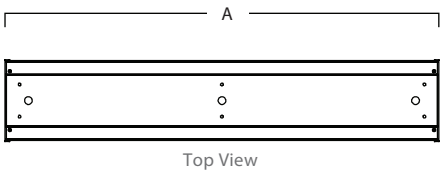
VANL

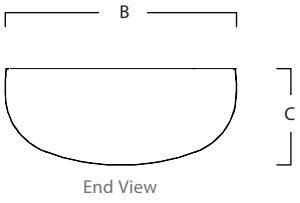
Dimensions

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

Wide Body

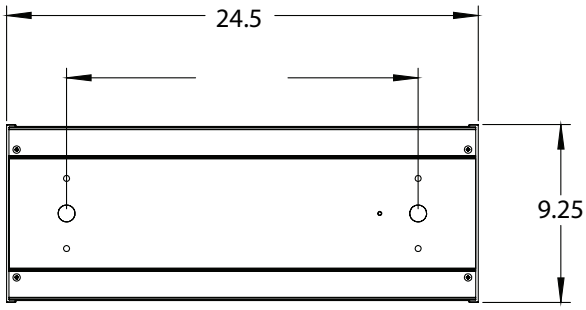
Surface Mount (all mounting point required)

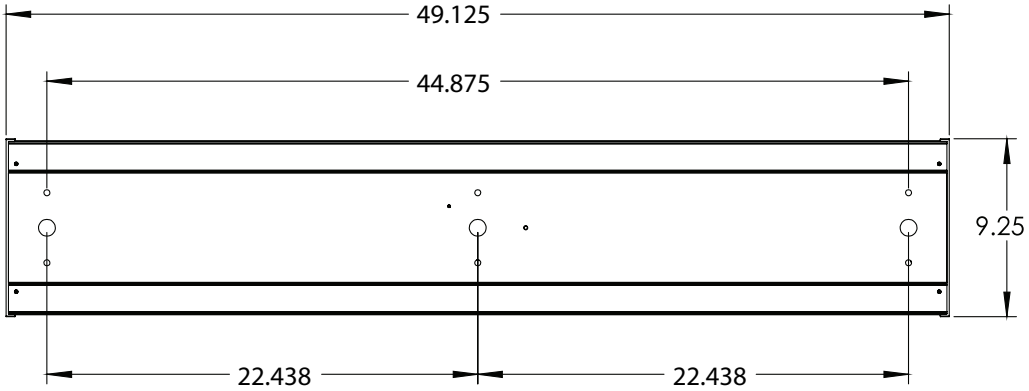




	Dimensions (inch)		
	A	B	C
24	24.5″	9.25″	3.97″
48	49.125″	9.25″	3.97″

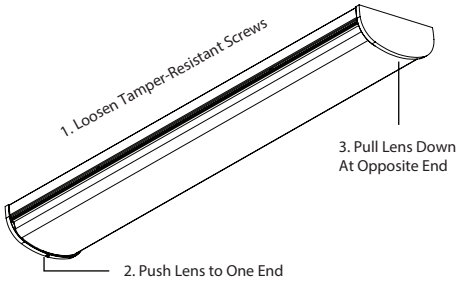
Consult installation guide for exact dimensions.





Installation Details

Fixture Opening Method

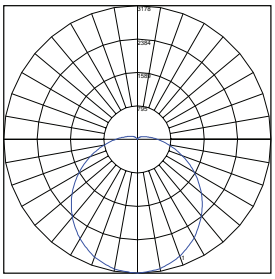


Lumen/Wattage Chart - 4000K

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

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



Luminance Data (cd/sq.m)			
Degrees	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

Wattage Chart

	Low (L)	Medium (M)	High (H)
2′	18.4W - 2507lu	26W - 3507 lu	42W - 5544 lu
4′	26W - 3507 lu	56W - 7222 lu	79W - 10021lu

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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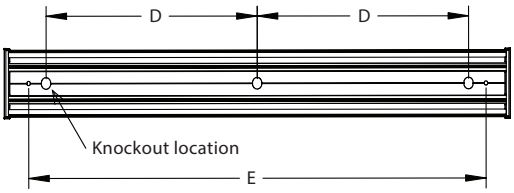
VANL

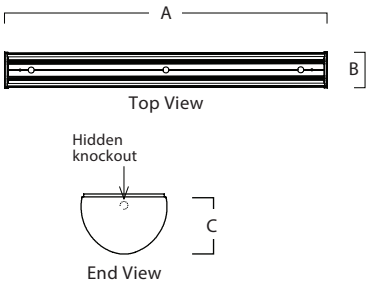
Dimensions

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Narrow Body

Surface Mount (all mounting point required)



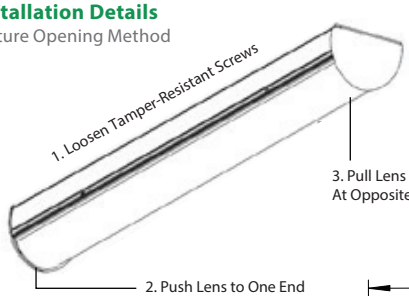


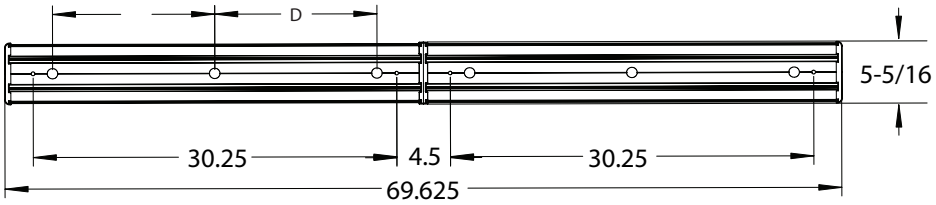
	Dimensions (inch)		
	A	B	C
24	24″	5.3125″	3.5″
48	47.25″	5.3125″	3.5″

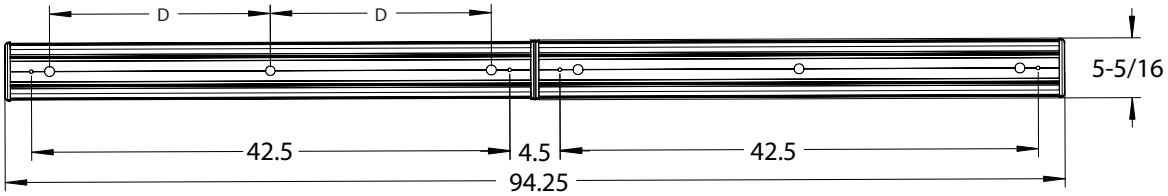
Consult installation guide for exact dimensions.

Installation Details

Fixture Opening Method





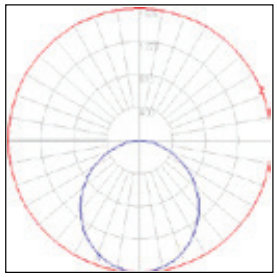


Lumen/Wattage Chart - 4000K

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

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



Luminance Data (cd/sq.m)			
Degrees	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

Wattage Chart

	Low (L)	Medium (M)	High (H)
2′	19W - 2542 lu	24W - 3205 lu	28W - 3524lu
4′	26W - 3555 lu	35W - 4775 lu	43W - 5583 lu

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