



VLO 12V LED Mini Wall Wash

One light, four lumen levels.

Our VLO Mini Wall Wash fixture is equipped with the Lumen Effects System, which allows you to easily switch between four lumen outputs: 150, 300, 450, and 600, with the use of the Magnetic Key. Its field configurable design allows for customization based on the needs of the application. The VLO Mini Wall Wash fixture can be seamlessly integrated into project applications, providing even light output from its NEMA 6x5 light distribution.

Variable Lumen Output (VLO) Adjustment		Lumens
Level 1*	Flashes one time	150 lm
Level 2	Flashes two times	300 lm
Level 3	Flashes three times	450 lm
Level 4	Flashes four times	600 lm



*Factory setting

VLO 12V LED Mini Wall Wash with Lumen Effects System makes designing and modifying landscape lighting easier.



Lumen Effects System eliminates the need to mechanically adjust or open the fixture, supporting product longevity.



Flexible Lumen Levels allows you to set and adjust the lumen levels as the landscape needs change.



Sealed and fully encapsulated to safeguard from water ingress and the outdoor elements – helping to extend the life of the product.



Versatile IP66 rated design provides a dust and water tight housing that can protect against strong jets of water that can occur in coastal areas with strong storms or applications close to sprinklers.



4,000-volt system surge protection protects against power surges and irregularities when paired with one of our transformers.

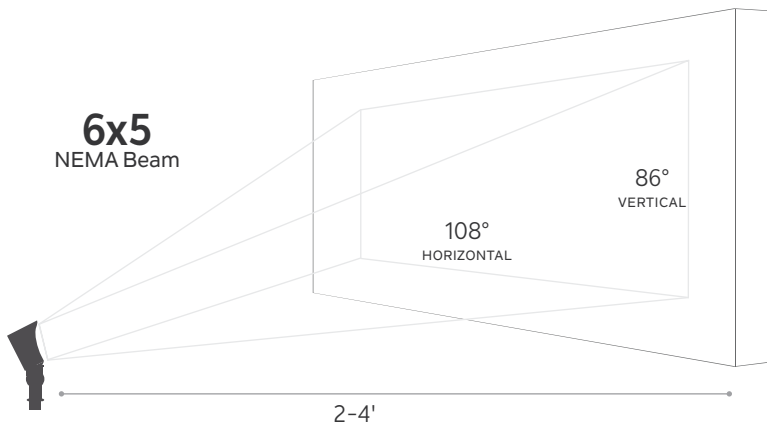
PRODUCT ORDERING GUIDE

Ordering Guide (product number breakdown)	1 Item Number for Fixture: 16026 = NEMA 6x5 beam	2 Product Finish: AZT = Textured Architectural Bronze BKT = Textured Black CBR = Centennial Brass	3 Color Temperature: 27 = 2700K, Warm White 30 = 3000K, Pure White
Example: 16026 CBR 30	1 6 0 2 6	C B R	3 0

16026AZT27, 16026BKT27, 16026CBR27
2700K - Warm White

16026AZT30, 16026BKT30, 16026CBR30
3000K - Pure White

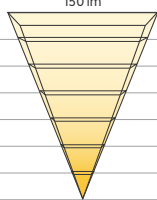
BEAM SPREAD

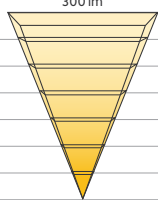


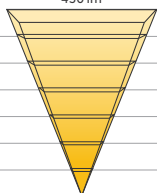
NEMA 6x5 beam spread with custom reflector produces clean uniform light distribution, even when installed close to the application. Recessed LED and integrated cowl offer advanced glare control.

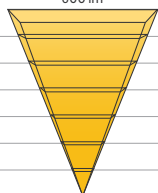
PHOTOMETRICS

*Average center beam foot-candle measurement.

LEVEL 1 LUMENS	Item	16026 (Low - 150 lm)			
	Beam Angle	6x5 NEMA Flood			
	Max. Candela	79.7			
	Distance in Feet	Foot-candles Average*	150 lm	Beam Width	
			Vert.	Horiz.	
	20'	0.2		30'	46'
	15'	0.4		22.6'	34.5'
	10'	0.8		15'	23'
	8'	1.3		12'	18.4'
	6'	2.2		9'	13.8'
	4'	5.0		6'	9'
	2'	19.9		3'	4.6'

LEVEL 2 LUMENS	Item	16026 (Mid - 300 lm)			
	Beam Angle	6x5 NEMA Flood			
	Max. Candela	159.5			
	Distance in Feet	Foot-candles Average*	300 lm	Beam Width	
			Vert.	Horiz.	
	20'	0.4		30'	46'
	15'	0.7		22.6'	34.5'
	10'	1.6		15'	23'
	8'	2.5		12'	18.4'
	6'	4.5		9'	13.8'
	4'	10.0		6'	9'
	2'	39.9		3'	4.6'

LEVEL 3 LUMENS	Item	16026 (Mid - 450 lm)			
	Beam Angle	6x5 NEMA Flood			
	Max. Candela	239.2			
	Distance in Feet	Foot-candles Average*	450 lm	Beam Width	
			Vert.	Horiz.	
	20'	0.6		30'	46'
	15'	1.1		22.6'	34.5'
	10'	2.4		15'	23'
	8'	3.8		12'	18.4'
	6'	6.7		9'	13.8'
	4'	14.9		6'	9'
	2'	59.8		3'	4.6'

LEVEL 4 LUMENS	Item	16026 (High - 600 lm)			
	Beam Angle	6x5 NEMA Flood			
	Max. Candela	319.0			
	Distance in Feet	Foot-candles Average*	600 lm	Beam Width	
			Vert.	Horiz.	
	20'	0.8		30'	46'
	15'	1.4		22.6'	34.5'
	10'	3.2		15'	23'
	8'	5.0		12'	18.4'
	6'	8.9		9'	13.8'
	4'	19.9		6'	9'
	2'	79.7		3'	4.6'

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Additional Specs

DIMENSIONS



FINISH OPTIONS



AZT - Textured Architectural Bronze



BKT - Textured Black



CBR - Centennial Brass

PERFORMANCE

Output Position	Level 1	Level 2	Level 3	Level 4
Lumen Output	150 lm	300 lm	450 lm	600 lm
Input Voltage	9V-15V	9V-15V	9V-15V	9V-15V
Power (VA) @ 12V AC	4VA	7VA	10.5VA	14VA
Power (W) @ 12V AC	2.5W	5W	8W	10W
Efficacy (lm/W @ AC)	60 lm/W	60 lm/W	56 lm/W	60 lm/W
Halogen Equivalents	15W	30W	45W	60W

SPECIFICATIONS

Fixture

Number of LEDs	1 High Output COB
Color Temperature	2700K, 3000K
Color Rendering Index	80+
Beam Angle	NEMA 6x5, 108° wide x 86° vert.
Binning	3 Step

Fixture can be used in up or down position.

Input

Input Frequency	47 - 63Hz
Input Current	325mA / 565mA / 885mA / 1.15A @ 12VAC
Inrush Current	8A @ 12VAC
Efficiency	80% @ 12VAC, max. load
Power Factor	0.66 / 0.69 / 0.72 / 0.74 @ 12VAC



Environmental

Environmental Protection Rating	Wet IP66
Operation Ambient Temperature	-25°C - +40°C
Lumen Maintenance (L70)	50,000 Hours
System Surge Protection Rating	2KV fixture, 4KV system with transformer

Mechanical & Housing Specification

Diameter/Height	2.5" L x 4.25" W x 5.3" H x 2.15" D
Fixture Rotation Range	+/- 110° (220° Full)
Housing Material	Cast Aluminum, Cast Brass
Housing Color & Surface	AZT, BKT or CBR
Weight	1 lb (Aluminum), 2.5 lb (Brass)

Lens Material

Tempered, shock resistance glass with high tolerance for thermal expansion and stress.

Wire

18 AWG, 105°C, 300V 48" of usable length, SJTW.

Optics

Custom white reflector ensures even uniformity.

FIXTURE ATTRIBUTES

Included Accessories

8" Slotted In-ground Stake, 2 Gel-Filled Wire Nuts, and Magnetic Key.

Optional Accessories

Gutter Mount	15489CBR
Surface Mounting Flange	15601 AZT, BKT
3" Round Mounting Base	15493CBR
6" Fixture Mounting Stem	15645 AZT, BKT
Fixture Mounting Stems	15656-15658 AZT, BKT
Stem Coupler	15649 AZT, BKT
Male/Female Risers	15509-15513CBR
90-Degree Elbow	15647 AZT, BKT, 15514CBR
Two Fixture Mount	15515CBR
Surface Mounting Bracket	15607 AZT, BKT
Adjustable Height Stem	15570 AZT, BKT
Tree Bracket	15516CBR
Junction Box Mounting Bracket	15609 AZT, BKT, CBR

LOAD CHART

Power (VA)	Wire Gauge / Length (ft/m) Load Chart			
	10 AWG	12 AWG	14 AWG	16 AWG
0-20 VA	1860'/567 m	1150'/351 m	730'/223 m	450'/137 m
40 VA	930'/283 m	580'/177 m	370'/113 m	230'/70 m
60 VA	620'/189 m	390'/119 m	240'/73 m	150'/46 m
80 VA	470'/143 m	290'/88 m	180'/55 m	110'/34 m
100 VA	370'/113 m	230'/70 m	140'/43 m	90'/27 m
>100 VA	Consult Technical Support			

TROUBLE SHOOTING

Fixture does not illuminate	Verify power connections. Review installation guide for installation problem. Ensure manual reset breaker has not been tripped.
Fixture flashes	Verify load calculations for the installation. Check voltage at affected fixture. Verify you are on 15V output tap.
Fixture turns off	Verify power connections. Review installation guide for installation problems. Ensure manual reset breaker has not been tripped. Check voltage drop at fixture.
Fixture trips breaker	Check installation for a possible short or overload state. Isolate the identified short and replace affected fixture or remove fixture(s) installed in overload.
Fixture returns to original lumen output	The fixture has to be powered on for 2 minutes after final adjust to exit programming mode.

LISTING

UL 1838 Issued: 2003/01/13 Ed: 3 Rev: 2015/01/13 Low Voltage Landscape Lighting Systems.

CSA C22.2#250.7 Issued: 2007/11/01 (R2012)

Ed: 1 Extra-low-voltage landscape lighting systems – General Instruction No. 1: 2008.

FCC Part 15, subpart B, Class B

**WARRANTY**

Backed by our 15 year limited warranty. Visit Kichler.com/Warranty for details.

DISCLOSURE

1. Chip binning ranges: (2700K 80+ CRI: 3 step), (3000K 80+ CRI: 3 step). LED chip data measured in accordance to IES LM-80.
2. Fixture has a 90% confidence luminous flux range to stated 3000K CCT target. Photometric (flux and color) data has been measured in accordance to IES LM-79.
3. Actual efficacy value can be calculated as follows: Lumen value divided by average power consumption.
4. Do not extend beyond the recommended maximum run length.
5. Recommend product be installed with 10 or 12 gauge wire.
6. Recommend 80% load/20% overhead rule for fixture load planning in reference to the power source. Calculating fixture loading this way provides additional resource for fixture adjustment and loss due to voltage drop due to wire run lengths.
7. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.
8. Damage caused by misuse (including use for an unintended application) or improper or incorrect installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions, is not covered by our warranty.

ADVANCED PRODUCT SOLUTIONS (APS) & LAYOUT TEAM

Have installation issues or a product and location inquiry? We have you covered. Our APS team can provide you with technical guidance and professionally designed landscape lighting layouts free of charge.

Visit Kichler.com/APS, reach out to us at layouts@kichler.com, or by phone Monday - Friday, 8:00 am to 6:30 pm EST, at **844-KICHLER (844-542-4537)** to get started.