



# 12V LED Accent with Variable Lumen Output (VLO)

One light changes everything.

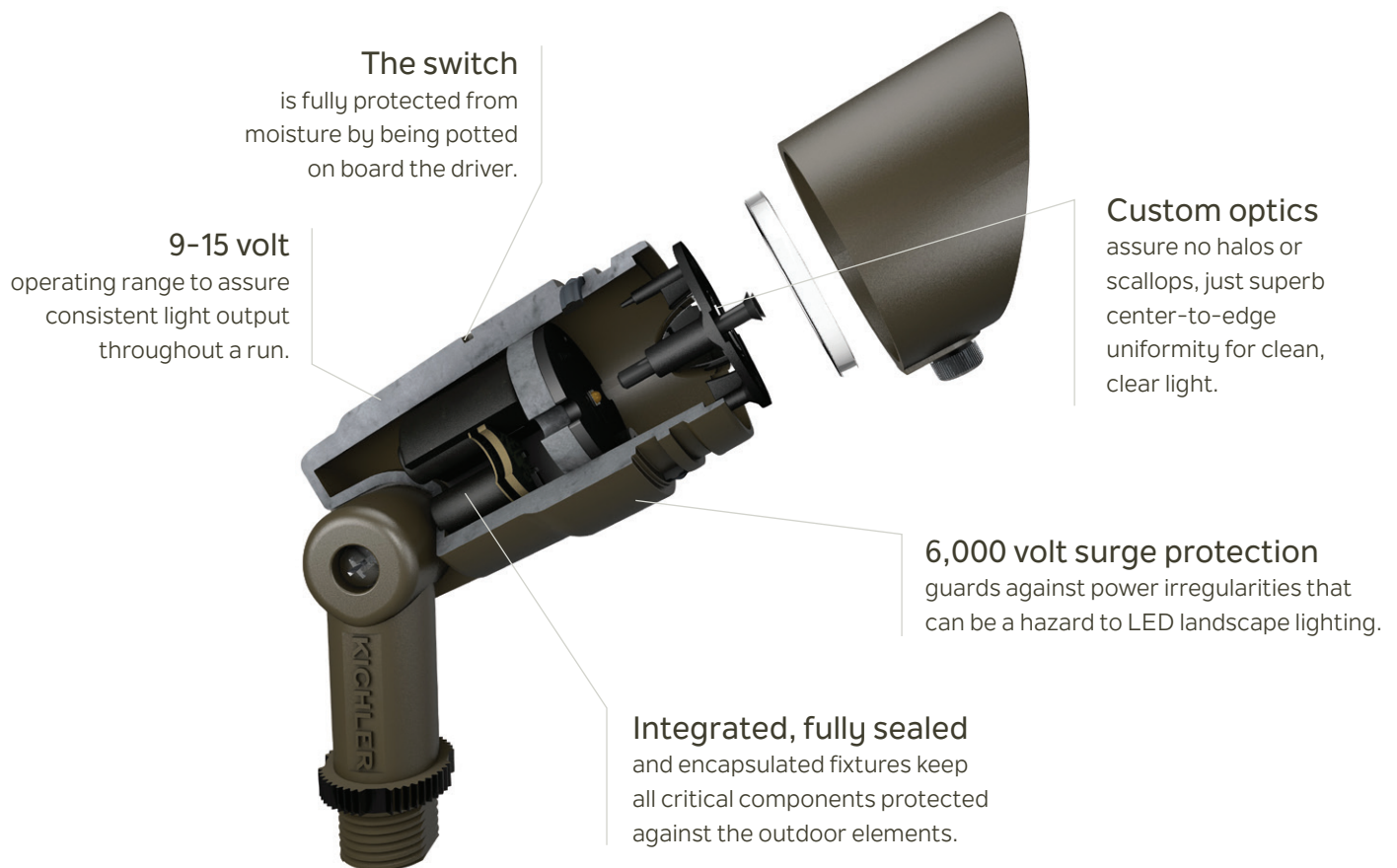
Get three lumen choices from one fixture...with easy and reliable adjustment.

**KICHLER**

# Kichler is once again rewriting the rules for integrated LED flexibility and reliability

with the new 12V LED Accent Light with Variable Lumen Output (VLO). VLO technology allows you to easily switch between three lumen outputs without mechanically adjusting the settings on the fixture — eliminating the increased failure risk or long-term reliability concerns associated with a mechanical adjustment.

## Our Finest Integrated LED Technology



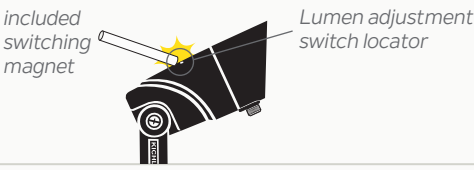
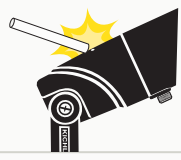
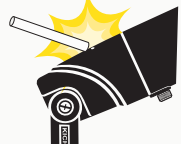
Backed by Kichler's industry-leading 15-year warranty.  
For details, visit [Kichler.com/Warranty](http://Kichler.com/Warranty)

### VLO makes it easier than ever to design, install and service landscape lighting.

- Create more customized landscape designs while carrying less fixtures in your inventory.
- Quickly adjust the lighting design during the initial installation for the right amount of light output — or years down the road as the landscape application needs changed.
- Two discrete sized fixture platforms give all the lumen options you need without the bulk.

## Incredibly easy to adjust.

Each fixture is conveniently factory-set at the most popular lumen level for maximum contractor efficiency. To change, simply hold the included magnet over the lumen adjustment locator to begin programming mode. The fixture will flash continuously four times and go dark before blinking to indicate which lumen level is currently programmed. Programming begins from the factory setting and adjusts up in lumens (Level 1 for Large Accent, Level 2 for Small Accent).

VLO Adjustment Settings		Small Accent	Large Accent
Level 1	1: Flashes once <i>included switching magnet</i> 	100 lm	<b>*400 lm</b>
Level 2	2: Flashes twice 	<b>*200 lm</b>	600 lm
Level 3	3: Flashes three times 	300 lm	835 lm

*\*Factory setting*

## Variable Lumen Output (VLO)

			<b>12V LED Small Accent</b>	
Level 1	Level 2	Level 3	Level 1	<b>100 Lumens</b> (shown: 16016 Small Accent, 35° Flood, 2W, 3000K)
			Level 2*	<b>200 Lumens</b> (shown: 16016 Small Accent, 35° Flood, 3.5W, 3000K) <i>*Factory setting</i>
			Level 3	<b>300 Lumens</b> (shown: 16016 Small Accent, 35° Flood, 5.5W, 3000K)
			<b>12V LED Large Accent</b>	
			Level 1*	<b>400 Lumens</b> (shown: 16019 Large Accent, 35° Flood, 5.25W, 3000K) <i>*Factory setting</i>
			Level 2	<b>600 Lumens</b> (shown: 16019 Large Accent, 35° Flood, 8.5W, 3000K)
			Level 3	<b>835 Lumens</b> (shown: 16019 Large Accent, 35° Flood, 12W, 3000K)

Note: Beam width/cut-off is dependent on how close the fixture is to the object.  
Lumen levels are the same for 2700K and 3000K

# Product Specifications & Ordering Guide

	12V LED Small Accent with VLO	12V LED Large Accent with VLO
<b>Ordering Guide:</b> <b>Product Number Breakdown</b>  <i>Example: 16018 CBR 30</i>	<b>1 Item Number for Fixture Size &amp; Beam Angle:</b>  <b>16015</b> = Small 15° Spot <b>16016</b> = Small 35° Flood <b>16017</b> = Small 60° Wide Flood  <b>16018</b> = Large 15° Spot <b>16019</b> = Large 35° Flood <b>16020</b> = Large 60° Wide Flood	<b>2 Product Finish:</b>  <b>AZT</b> = Textured Architectural Bronze <b>BKT</b> = Black <b>CBR</b> = Centennial Brass <b>WHT</b> = Textured White (only in 35°)
	<b>3 Color Temperature:</b>  <b>27</b> = 2700K, Warm White <b>30</b> = 3000K, Pure White	<b>1 6 0 1 8</b>
<b>Wattage/VA, Delivered Lumens &amp; Efficacy</b>	<b>Level 1</b> = 2W/3.5VA, 100 lm, 50 lm/W <b>Level 2</b> = 3.5W/5.5VA, 200 lm, 57 lm/W <b>Level 3</b> = 5.5W/7.5VA, 300 lm, 55 lm/W  <b>Factory set at Level 2(200 lm/20W Equivalent)</b> Lumen levels are the same for 2700K and 3000K	<b>Level 1</b> = 5.25W/8.5VA, 400 lm, 76 lm/W <b>Level 2</b> = 8.5W/12.5VA, 600 lm, 70 lm/W <b>Level 3</b> = 12W/17VA, 835 lm, 69 lm/W  <b>Factory set at Level 1(400 lm/35W Equivalent)</b> Lumen levels are the same for 2700K and 3000K
<b>Halogen Replacement</b>	Level 1 = 10W Level 2 = 20W Level 3 = 30-35W	Level 1 = 35-40W Level 2 = 50W Level 3 = 75W
<b>Light Source</b>	1 integrated high output LED with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 50,000 hrs.	1 integrated high output chip-on-board LED with 3-step binning for color consistency. Custom T.I.R. (Total Internal Reflection) lens optics. Tested to a Lumen Maintenance L70 of 50,000 hrs.
<b>Housing</b>	Cast Aluminum (AZT, BKT, WHT) or Cast Brass (CBR)	
<b>CRI</b>	80+	
<b>Voltage Range</b>	9V-15V AC/DC with no loss in light output	
<b>Integrated Surge Protection</b>	6kv (6000 volt surge protection)	
<b>Wiring</b>	48" of usable #18-2, SPT-1W leads	
<b>Notes</b>	Includes 8" in-ground slotted stake, 2 gel-filled wire nuts and lumen switching magnetic key. Brass will naturally patina over time. White is only available in 35° Flood.	
<b>Accessories</b>	<b>Cowls &amp; Lens:</b> Long Cowls, 360 Degree Cowls, Hexcell Louvers, Lenses - Red, Blue, Amber, Green Foliage, Holiday Green, Frosted and Linear  <b>Mounting:</b> Surface Mounting Flange, 3" Round Mounting Base (CBR only), Surface Mounting Bracket, Junction Box Mounting Bracket, 90° Elbow, Stem Coupler, Stems, Two Fixture Mount (CBR only)	



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