



12V LED Flood

with Variable Lumen Output (VLO)

One light changes everything.

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

KICHLER®

Kichler continues to innovate and impress with the 12V LED Flood Light with Variable Lumen Output (VLO).

The Kichler 12V LED Flood Light with Variable Lumen Output (VLO) delivers incredible light, while opening up new application possibilities. It goes where other low-voltage lighting doesn't: illuminate neighborhood entrances, signage, treeline perimeters or other light commercial jobs. The exclusive VLO technology allows you to easily switch between three lumen outputs for even more versatility.

Our finest integrated LED technology

The Lumen Adjustment Switch

The magnetic switch is fully protected from moisture by being potted on the driver.

Center-to-Edge Optics

The custom reflector optics are engineered to deliver the precise amount of light evenly across your application at each lumen output level.

Potted Driver

Fully potted driver protects against water ingress to ensure performance.

Built in Draining

Designed to prevent water from pooling on the face of the fixture.

Multi-Layer Front Lens Seal

Ensures a moisture-resistant seal.

Plugged Knuckle Cavity with Strain Relief

Internal cord grip system prevents movement to reinforce a secure connection at the source.

Machined Threads

And lock nut for simple installations and adjustability.

Internal Thermal Management

Internal cast heat sinking to repel heat from the driver to maximize life-time and performance.

Dual Cavity Design

Cast aluminum housing divided into two independent compartments protecting the optical chamber and LED from the operating heat of the driver.






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

Incredibly easy to adjust

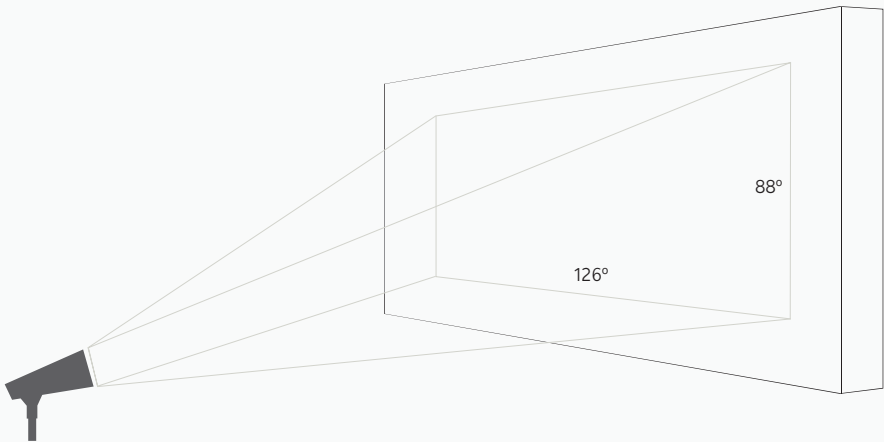
Each fixture is conveniently factory-set at the most popular lumen level for maximum contractor efficiency. To change, simply hold the included magnet over the lumen adjustment locator to begin programming mode. The fixture will flash continuously four times and go dark before blinking to indicate which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

VLO Adjustment Settings				12V LED Flood
Level 1	1: Flashes once	included switching magnet		*500 lm
Level 2	2: Flashes twice			675 lm
Level 3	3: Flashes three times			865 lm

*Factory setting

Custom Optics with Superior Beam Spread

The 12V Flood light with VLO has a NEMA 6x5 light distribution, one of the widest available in the professional low-voltage integrated category.



Product Specifications & Ordering Guide

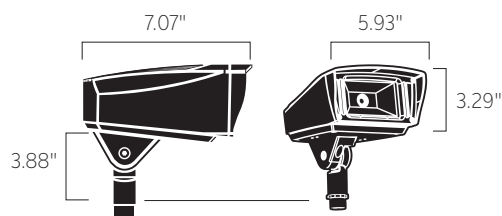
12V LED Flood with VLO			
Ordering Guide (product number breakdown)	1 Item Number for Fixture Size & Beam Angle: 16022 = Small Flood 126°x88° (NEMA 6x5)	2 Product Finish: AZT = Textured Architectural Bronze BKT = Textured Black	3 Color Temperature: 27 = 2700K, Warm White 30 = 3000K, Pure White
	<u>1</u> <u>6</u> <u>0</u> <u>2</u> <u>2</u>	<u>A</u> <u>Z</u> <u>T</u>	<u>3</u> <u>0</u>
Wattage/VA, Delivered Lumens & Efficacy	Level 1 = 6.7W/10VA, 500 lm, 75 lm/W Level 2 = 9W/13VA, 675 lm, 75 lm/W Level 3 = 12W/17VA, 865 lm, 72 lm/W Factory set at Level 1 (500 lm/50W Equivalent) Lumen levels are the same for 2700K and 3000K		
Beam Spread	126 degrees wide by 88 degrees tall (NEMA 6x5)		
Halogen Replacement	Level 1 = 50W Level 2 = 70W Level 3 = 90W		
Light Source	1 Integrated High Output COB LED with 3-step binning for color consistency. Custom reflector optic. Tested to a Lumen Maintenance L70 of 50,000 hrs.		
Housing	Cast Aluminum with a polyester powder coat finish (AZT, BKT).		
CRI	80+ CRI		
Voltage Range	9V-15V AC/DC with no loss in light output.		
Integrated Surge Protection	6kv (6000-volt protection) to protect against power surges and irregularities.		
Wiring	48" of usable #18-2, SPT-1W leads		
Warranty	15- Year Limited Warranty (see Kichler.com/warranty)		
Notes	Includes 8" in-ground slotted stake, 2 gel-filled wire nuts and lumen switching magnetic key, and a Hex Key for knuckle adjustment.		
Accessories	Mounting: Surface Mounting Flange, Surface Mounting Bracket, Junction Box Mounting Bracket, 90° Elbow, Stem Coupler, and Stems.		



AZT



BKT



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