



12V INTEGRATED LED

VARIA LARGE ACCENT LIGHT

The Accent Light that Adapts for Every Design

The Varia Adjustable Integrated Accent Light combines three flexible features all-in-one fixture: continuous beam spread adjustment from 15 - 60 degrees, lumen effects system with four unique lumen levels and selectable color temperature choices of 2700K or 3000K.



The Advantage of Varia Accent Lights



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



Four flexible lumen levels allows you to set and adjust the lumen levels as the landscape needs change.



The on-fixture dial allows a continuous selection of beam angle from 15 to 60 degrees.



Both 2700K and 3000K color temperatures are selectable with the magnetic key.



When paired with the PLC Dimmer, Varia will dim from the lumen set point that is selected.



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 watertight housing that protects against strong jets of water that can occur with powerful storms or applications close to sprinklers.



3,000-volt fixture surge protection protects against power surges and irregularities, especially when paired with one of our transformers.

KICHLER

PRODUCT ORDERING GUIDE

Ordering Guide
(product number
breakdown)

1 Item Number:
16312 = Large Accent

2 Product Finish:
AZT = Textured Architectural Bronze
BKT = Textured Black
CBR = Centennial Brass

Example: 16312 CBR

1 6 3 1 2

C B R

VARIA LARGE ACCENT

SKU #
Finish

16312AZT
16312BKT
16312CBR





PHOTOMETRICS





VARIA 15° LARGE ACCENT





VARIA 30° LARGE ACCENT





VARIA 45° LARGE ACCENT

VARIA 60° LARGE ACCENT

LEVEL 1 LUMENS	16312 (Level 1 - 600 lm)				16312 (Level 1 - 600 lm)				16312 (Level 1 - 600 lm)				16312 (Level 1 - 600 lm)			
	Beam		15° Narrow Spot		Beam		30° Flood		Beam		45° Flood		Beam		60° Wide Flood	
	Candela		Max Candela: 5944		Candela		Max Candela: 2616		Candela		Max Candela: 1487		Candela		Max Candela: 986	
	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width
60'	1.6		18.8'	40'	1.6		20.7'	40'	0.9		29.5'	40'	0.6		38.8'	
48'	2.6		15.0'	32'	2.6		16.6'	32'	1.5		23.6'	32'	1.0		31.1'	
36'	4.6		11.3'	24'	4.5		12.4'	24'	2.6		17.7'	24'	1.7		23.3'	
24'	10.3		7.5'	16'	10.2		8.3'	16'	5.8		11.8'	16'	3.9		15.5'	
12'	41.0		3.8'	8'	40.8		4.1'	8'	23.2		5.9'	8'	15.4		7.8'	
8'	92.3		2.5'	4'	163.2		2.1'	4'	92.8		3.0'	4'	61.7		3.9'	

LEVEL 2 LUMENS	16312 (Level 2 - 800 lm)				16312 (Level 2 - 800 lm)				16312 (Level 2 - 800 lm)				16312 (Level 2 - 800 lm)			
	Beam		15° Narrow Spot		Beam		30° Flood		Beam		45° Flood		Beam		60° Wide Flood	
	Candela		Max Candela: 7139		Candela		Max Candela: 3150		Candela		Max Candela: 1787		Candela		Max Candela: 1186	
	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width
60'	2.0		18.8'	40'	2.0		20.7'	40'	1.1		29.5'	40'	0.7		38.8'	
48'	3.1		15.0'	32'	3.1		16.6'	32'	1.7		23.6'	32'	1.2		31.1'	
36'	5.5		11.3'	24'	5.5		12.4'	24'	3.1		17.7'	24'	2.1		23.3'	
24'	12.3		7.5'	16'	12.3		8.3'	16'	7.0		11.8'	16'	4.6		15.5'	
12'	49.4		3.8'	8'	49.1		4.1'	8'	28.0		5.9'	8'	18.5		7.8'	
8'	111.0		2.5'	4'	196.5		2.1'	4'	111.8		3.0'	4'	74.1		3.9'	

LEVEL 3 LUMENS	16312 (Level 3 - 1000 lm)				16312 (Level 3 - 1000 lm)				16312 (Level 3 - 1000 lm)				16312 (Level 3 - 1000 lm)			
	Beam		15° Narrow Spot		Beam		30° Flood		Beam		45° Flood		Beam		60° Wide Flood	
	Candela		Max Candela: 8588		Candela		Max Candela: 3786		Candela		Max Candela: 2162		Candela		Max Candela: 1412	
	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width
60'	2.4		18.8'	40'	2.4		20.7'	40'	1.4		29.5'	40'	0.9		38.8'	
48'	3.7		15.0'	32'	3.7		16.6'	32'	2.1		23.6'	32'	1.4		31.1'	
36'	6.6		11.3'	24'	6.6		12.4'	24'	3.8		17.7'	24'	2.4		23.3'	
24'	14.9		7.5'	16'	14.8		8.3'	16'	8.4		11.8'	16'	5.5		15.5'	
12'	59.5		3.8'	8'	59.0		4.1'	8'	33.8		5.9'	8'	22.0		7.8'	
8'	133.9		2.5'	4'	236.1		2.1'	4'	135.0		3.0'	4'	88.2		3.9'	

LEVEL 4 LUMENS	16312 (Level 4 - 1200 lm)				16312 (Level 4 - 1200 lm)				16312 (Level 4 - 1200 lm)				16312 (Level 4 - 1200 lm)			
	Beam		15° Narrow Spot		Beam		30° Flood		Beam		45° Flood		Beam		60° Wide Flood	
	Candela		Max Candela: 10,026		Candela		Max Candela: 4416		Candela		Max Candela: 2535		Candela		Max Candela: 711	
	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width	Distance	fc		Beam Width
60'	2.8		18.8'	40'	2.8		20.7'	40'	1.6		29.5'	40'	1.0		38.8'	
48'	4.3		15.0'	32'	4.3		16.6'	32'	2.5		23.6'	32'	1.6		31.1'	
36'	7.7		11.3'	24'	7.7		12.4'	24'	4.4		17.7'	24'	2.9		23.3'	
24'	17.4		7.5'	16'	17.2		8.3'	16'	9.9		11.8'	16'	6.4		15.5'	
12'	69.4		3.8'	8'	68.9		4.1'	8'	39.7		5.9'	8'	25.8		7.8'	
8'	156.2		2.5'	4'	275.5		2.1'	4'	158.6		3.0'	4'	103.0		3.9'	

DIMENSIONS



PERFORMANCE

	Level 1	Level 2	Level 3	Level 4
Lumen Output	600 lm	800 lm	1000 lm	1200 lm
Input Voltage	9-15V			
VA Total @ 15VAC	11VA	13.5VA	17VA	21VA
Wattage	9W	11W	14W	18W
Efficacy (Lm/W)	66 lm/W			

SPECIFICATIONS

Fixture

Number of LEDs	1
Color Temperature	2700K, 3000K
Color Rendering Index	80+

Input

Input Frequency	50/60Hz
Input Current	1740mA max.
Power Factor	0.7 @ 12VAC

Environmental

Environmental Protection Rating	Wet IP66
Operation Ambient Temperature	-25°C - +40°C
Lumen Maintenance (L70)	40,000 Hours
Fixture Surge Protection Rating	3kV

Mechanical & Housing Specification

Width/Length/Height	3"W x 7"L x 4"H
Weight	Aluminum: 1.7 lbs Brass: 3.49 lbs

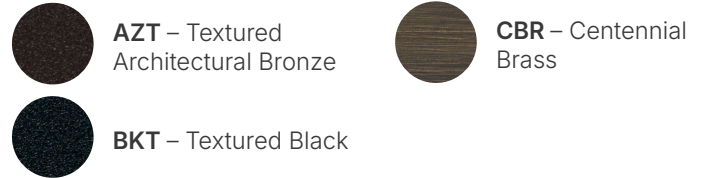
Body

Cast Aluminum (AZT, BKT)
Brass (CBR)

Wire

18 AWG, SPT-1W, 105°C, 300V, 48" length

FINISH OPTIONS



Included Accessories

8" ground stake, (2) gel-filled wire nuts, and magnetic key.

Optional Accessories

PLC Dimmer	15DM20SS
Riser Stems AZT/BKT (1/2")	(6") 15645, (12") 15656 (18") 15657, (24") 15658
Adjustable Height Stem	15570
Stem Coupler	15649
Riser Stems CBR (1/2")	(3") 15509, (6") 15510 (12") 15511, (18") 15512 (24") 15513
Polymeric Stake	(8") 15575BK, (14") 15576BK
Power Post	15276BK
Surface Flange	15601
Surface Mounting Bracket	15607
Junction Box Mounting Bracket	15609
Elbow	15647
Gutter Mount	15489CBR
Mounting Base	15493CBR
Elbow	15514CBR
Two Fixture "T"	15515CBR
Tree Bracket	15516
Long Cowl	16296AZT, BKT, CBR
Hexcell Louver	16298BK

OPTIONAL PLC DIMMER

Fine-tune lighting intensity with precise 100%–10% control to create the perfect ambiance.



15DM20SS

3.37"W x 3.12"L x 5.62"H

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. If used with a PLC dimmer, check to make sure the button is pushed on.
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(s) are dim or flicker	If you have dim or flickering lights at the end of your wire run, reduce the load by removing fixtures or shortening the wire run.
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.

LISTING

UL 1838 Listed. Low Voltage Landscape Lighting Systems.
 CSA C22.2#250.7 Listed.
 FCC Part 15, subpart B, Class B



WARRANTY

10 year limited warranty. For details visit Kichler.com/Warranty

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.

PRODUCT TECHNICAL SUPPORT

Have a product or installation question? Our team can provide you with the answers you are looking for. Contact us at **844-KICHLER (844-542-4537)** or email techsupport@kichler.com for assistance.

LANDSCAPE LIGHTING, LAYOUT & DESIGN SERVICES

Need help preparing a layout? Visit LightProRewards.com to learn more.

kichler.com/landscape

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