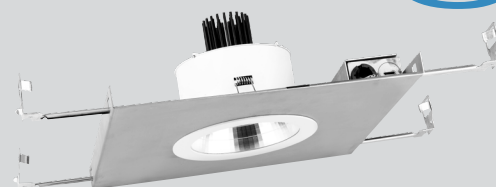


Part #	Prepared By
Project	Notes
Type	
Date	



2" C-Class LED Downlight

Open Round, 700-1300 lumens - Shallow Housing



Description

C-Class small-aperture shallow downlights provide efficient performance and a modern aesthetic at a value. New Construction, IC-Rated and Remodeler housing options available. Open C-Class downlights use precision-spun reflectors and provide sharp light cutoff.

Features & Construction

ELECTRICAL SYSTEM

- 700, 1300 lumens
- 2700K - 4000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120V - 347V input volts
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Narrow, Medium, Wide & Flood distributions
- Optical mixing dome for soft luminance
- Soft Glow Clear, White Matte finishes

FRAME & MOUNTING

- Stainless steel spring torsion retaining ears
- Advanced Quick Connect for easy installation
- Driver/junction box listed for through branch wiring
- Optional New Construction Frame with T-Bars
- Optional IC-Rated Frame with T-Bars

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Energy Star® certified versions available (see Vantage Energy Star® guide for details)
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act (BAA)

Warranty & Notes

- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation cannot be in contact with non-IC-Rated versions

Lumens

Nominal Lumens	Wattage
700	7.7
1300	14.4

All measured at 3500K with a standard medium distribution
*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: A2VOCLEDU-0735K-C200-SGC-MD-WHT-NCFAQ-HCR

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Distribution	Flange Finish	Frame	Options*
A2VOCLED	1 - 120V 2 - 277V 3 - 347V*	07 - 700 13 - 1300	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	C200 Open Reflector	SGC Soft Glow Clear WHT White Matte*	NW - Narrow 16° MD - Medium 26° WE - Wide 39° FL - Flood 90°	WHT White Matte BLK Black	NCFAQ New Construction Frame w/ Advanced Quick-Connect NCFC New Construction Frame w/ IC Box RMDL Remodeler	SDM TDM XDM ZDM DL-2 LDE1 LDES PEQ0 HCR EM

*Options Notes

SDM - 0-10V 10% dimming driver (standard)
XDM - 0-10V 0.1% dimming driver
ZDM - 0-10V 1% dimming driver
TDM - Triac (Forward-Phase) dimming driver
DL-2 - Lutron 2-Wire Hi-Lume dimming driver
LDE1 - Lutron EcoSystem Digital Fade-to-Black 1% dimming driver
LDES - Lutron 5-Series EcoSystem 5% dimming driver
PEQ0 - Lutron EcoSystem Fade-to-Black 0.1% dimming driver
HCR - High CRI, 90+
EM - Remote emergency battery back-up, remote test button & indicator light



Narrow - NW



Medium - NW
Wide - WE



Flood - FL

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2" C-Class LED Downlight

Open Round, 700-1300 lumens - Shallow Housing



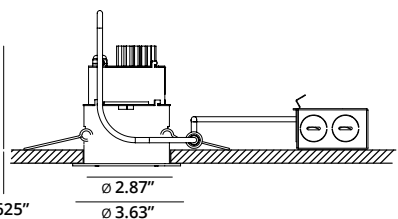
Dimensional Data

RMDL
(standard)

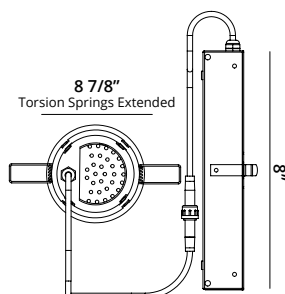
3.33"
Above Ceiling
with 5/8"
Ceiling Thickness

0.88" MAX
Ceiling
Thickness

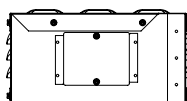
0.625"



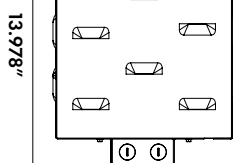
Ceiling Cut Out $\varnothing$ 3.50"



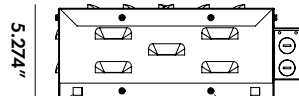
NCFIC
(IC-RATED)



10.269"



13.978"

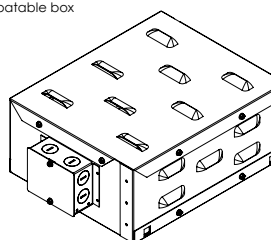


5.274"

13.978"

Hanger bars go through the new construction frame and the IC compatible box

IC Box Screws to the new construction frame

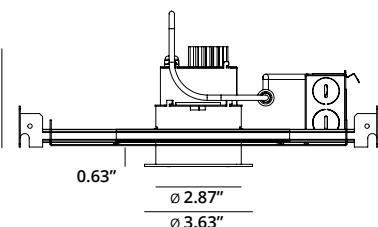


NCFAQ
(new construction frame)

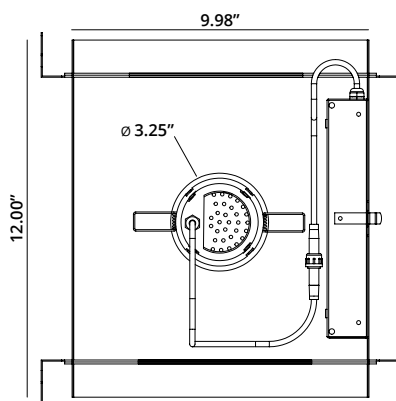
3.33"
Above Ceiling
with 5/8"
Ceiling Thickness

0.88" MAX
Ceiling
Thickness

0.63"



Ceiling Cut Out $\varnothing$ 3.25"



RMDL
(standard)



NCFAQ
(new construction frame)



*New construction frame
sold separately

NCFIC
(IC-RATED)



*IC-RATED box
sold separately

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2" C-Class LED Downlight

Open Round, 700-1300 lumens - Shallow Housing



Photometry

NARROW - NW 16° 1330K

Model
AZVOCLED1-NW-1330K

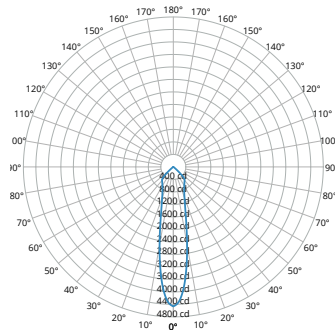
Lumens
1,750

Watts
14.4

Efficacy
121.53

SC
0.38

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	70 fc	3.1 '
10.0 '	45 fc	3.8 '
12.0 '	31 fc	4.6 '
14.0 '	23 fc	5.4 '
16.0 '	17 fc	6.1 '
20.0 '	11 fc	7.7 '
24.0 '	8 fc	9.2 '
30.0 '	5 fc	11.5 '

Candela Table

	0.00°
0.00°	4,463
5.00°	3,862
10.00°	2,535
15.00°	1,512
20.00°	1,044
30.00°	700
40.00°	561
50.00°	113
60.00°	13
70.00°	1
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,064	61%
0° - 40°	1,446	83%
0° - 60°	1,745	100%
60° - 90°	6	0%
0° - 20°	699	40%
20° - 50°	1,016	58%
50° - 70°	35	2%
70° - 90°	0	0%
0° - 90°	1,750	100%
90° - 180°	0	0%
Total	1,750	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	3.0 ft	~ 70 fc
10 ft	3.8 ft	~ 45 fc
12 ft	4.6 ft	~ 31 fc
8 ft	2.3 ft	~ 124 fc
10 ft	2.8 ft	~ 79 fc
12 ft	3.4 ft	~ 55 fc
8 ft	1.5 ft	~ 279 fc
10 ft	1.9 ft	~ 179 fc
12 ft	2.3 ft	~ 124 fc

* approximate direct light level at floor based on spacing criterion overlap

MEDIUM - MD 26° 1330K

Model
AZVOCLED1-MD-1330K

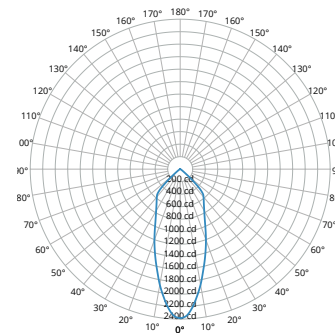
Lumens
1,770

Watts
14.4

Efficacy
122.92

SC
0.62

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	37 fc	5.5 '
10.0 '	24 fc	6.9 '
12.0 '	17 fc	8.3 '
14.0 '	12 fc	9.7 '
16.0 '	9 fc	11.0 '
20.0 '	6 fc	13.8 '
24.0 '	4 fc	16.6 '
30.0 '	3 fc	20.7 '

Candela Table

	0.00°
0.00°	2,387
5.00°	2,224
10.00°	1,878
15.00°	1,515
20.00°	1,205
30.00°	770
40.00°	581
50.00°	140
60.00°	22
70.00°	4
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,024	58%
0° - 40°	1,436	81%
0° - 60°	1,762	100%
60° - 90°	8	0%
0° - 20°	601	34%
20° - 50°	1,121	63%
50° - 70°	47	3%
70° - 90°	1	0%
0° - 90°	1,770	100%
90° - 180°	0	0%
Total	1,770	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	5.0 ft	~ 37 fc
10 ft	6.2 ft	~ 24 fc
12 ft	7.4 ft	~ 17 fc
8 ft	3.7 ft	~ 66 fc
10 ft	4.7 ft	~ 42 fc
12 ft	5.6 ft	~ 29 fc
8 ft	2.5 ft	~ 149 fc
10 ft	3.1 ft	~ 95 fc
12 ft	3.7 ft	~ 66 fc

* approximate direct light level at floor based on spacing criterion overlap

WIDE - WE 39° 1330K

Model
AZVOCLED1-WE-0730K

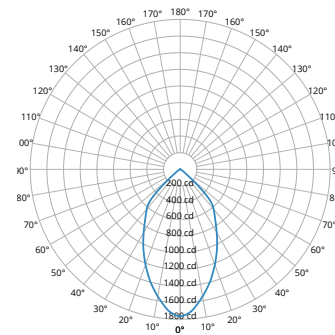
Lumens
1,779

Watts
14.4

Efficacy
123.54

SC
0.83

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	28 fc	8.8 '
10.0 '	18 fc	11.0 '
12.0 '	12 fc	13.2 '
14.0 '	9 fc	15.3 '
16.0 '	7 fc	17.5 '
20.0 '	4 fc	21.9 '
24.0 '	3 fc	26.3 '
30.0 '	2 fc	32.9 '

Candela Table

	0.00°
0.00°	1,766
5.00°	1,696
10.00°	1,550
15.00°	1,391
20.00°	1,217
30.00°	877
40.00°	624
50.00°	153
60.00°	29
70.00°	7
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	973	55%
0° - 40°	1,416	80%
0° - 60°	1,758	99%
60° - 90°	20	1%
0° - 20°	525	30%
20° - 50°	1,183	67%
50° - 70°	65	4%
70° - 90°	5	0%
0° - 90°	1,779	100%
90° - 180°	0	0%
Total	1,779	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	6.6 ft	~ 28 fc
10 ft	8.3 ft	~ 18 fc
12 ft	10.0 ft	~ 12 fc
8 ft	5.0 ft	~ 49 fc
10 ft	6.2 ft	~ 31 fc
12 ft	7.5 ft	~ 22 fc
8 ft	3.3 ft	~ 110 fc
10 ft	4.1 ft	~ 71 fc
12 ft	5.0 ft	~ 49 fc

* approximate direct light level at floor based on spacing criterion overlap

FLOOD - FL 90° 1330K

Model
AZVOCLED1-FL-1330K

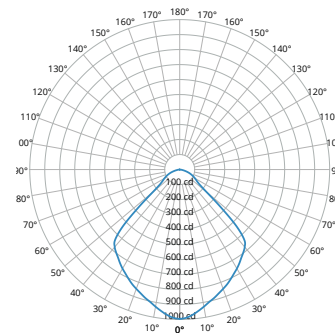
Lumens
1,801

Watts
14.4

Efficacy
125.07

SC
1.14

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	16 fc	16.3 '
10.0 '	10 fc	20.3 '
12.0 '	7 fc	24.4 '
14.0 '	5 fc	28.5 '
16.0 '	4 fc	32.5 '
20.0 '	2 fc	40.7 '
24.0 '	2 fc	48.8 '
30.0 '	1 fc	61.0 '

Candela Table

	0.00°
0.00°	996
5.00°	973
10.00°	929
15.00°	887
20.00°	847
30.00°	763
40.00°	674
50.00°	235
60.00°	118
70.00°	68
80.00°	18
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	720	40%
0° - 40°	1,169	65%
0° - 60°	1,654	92%
60° - 90°	147	8%
0° - 20°	347	19%
20° - 50°	1,172	65%
50° - 70°	227	13%
70° - 90°	55	3%
0° - 90°	1,801	100%
90° - 180°	0	0%
Total	1,801	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	9.1 ft	~ 16 fc
10 ft	11.4 ft	~ 10 fc
12 ft	13.7 ft	~ 7 fc
8 ft	6.8 ft	~ 28 fc
10 ft	8.5 ft	~ 18 fc
12 ft	10.3 ft	~ 12 fc
8 ft	4.6 ft	~ 62 fc
10 ft	5.7 ft	~ 40 fc
12 ft	6.8 ft	~ 28 fc

* approximate direct light level at floor based on spacing criterion overlap

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