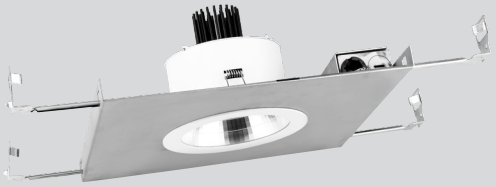
Part #	**Prepared By**
Project	**Notes**
Type	
Date	

CLASS



4" C-Class LED Downlight

Open Round, 700-3000 lumens

Description

C-Class small-aperture 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 - 3000 lumens
- 2700K - 4000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120 - 277V
- 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 insallation
- 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
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act

Warranty & Notes

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

Lumens

Nominal Lumens	Delivered Lumens	Wattage	Wattage
700	601	7.7	78.05
1300	1115	14.2	78.52
2000	1716	22.2	77.30
3000	2574	30.8	85.57

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

Ordering Information

EXAMPLE: A4VOCLEDU-0735K-C400-SGC-MD-WHT-NCFAQ-HCR

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Distribution	Flange Finish	Frame	Options*
A4VOCLED	**1** - 120V **2** - 277V **3** - 347V* *Step-down transformer	**07** - 700 **13** - 1300 **20** - 2000 **30** - 3000	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**C400** Open *All trims supplied standard with white painted flange.	**SGC** Soft Glow Clear **WHT** White Matte* *FL distribution available in WHT only	**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 **NCFIC** New Construction Frame w/ IC Box **RMDL** Remodeler	**EM** **HCR** **TDM** **XDM** **ZDM** **DL-2** **LDE1** **LDE5** **PEQ0**

*Options Notes

EM - Remote Emergency Battery Back-Up
HCR - High CRI, 90+
TDM - Triac (Foward-Phase) Dimming
XDM - 0-10V 0.1% Dimming
ZDM - 0-10V 1% Dimming
DL-2 - Lutron 2-Wire Hi-Lume Dimming
LDE1 - Lutron EcoSystem Digital Fade-to-Black 1% Dimming
LDE5 - Lutron 5-Series EcoSystem 5% Dimming
PEQ0 - Lutron EcoSystem Fade-to-Black 0.1% Dimming



Narrow - NW



Medium - NW
Wide - WE



Flood - FL

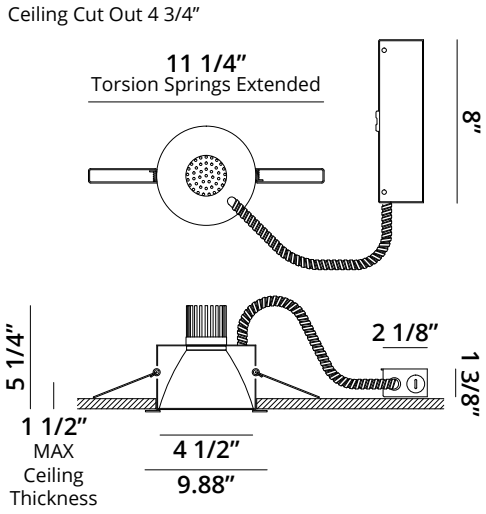
Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

4″ C-Class LED Downlight

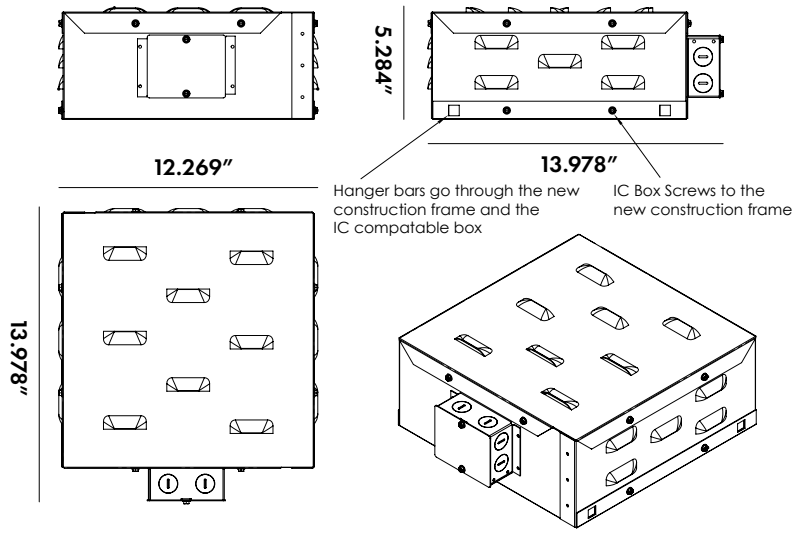
Open Round, 700-3000 lumens

Dimensional Data

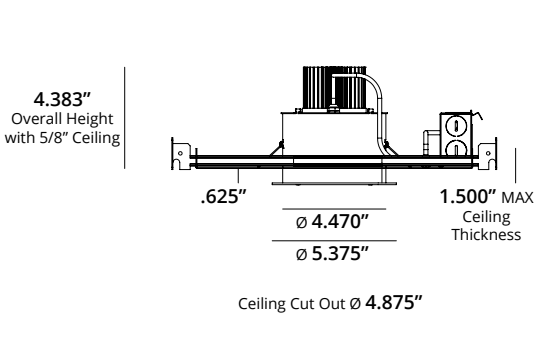
RMDL
(standard)

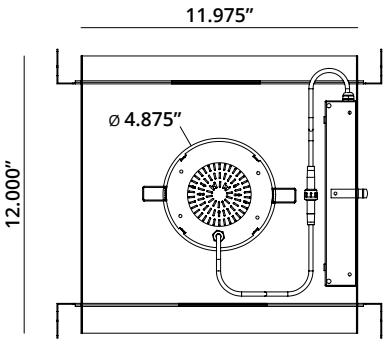


NCFIC
(IC-RATED)



NCFAQ
(new construction frame)





RMDL
(standard)



NCFAQ
(new construction frame)



*New construction frame
sold seperately

NCFIC
(IC-RATED)



*IC-RATED box
sold seperately

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4" C-Class LED Downlight

Open Round, 700-3000 lumens

Photometry

NARROW - NW 16° 1330K

Model
A4VOCLED1-1330K-NW

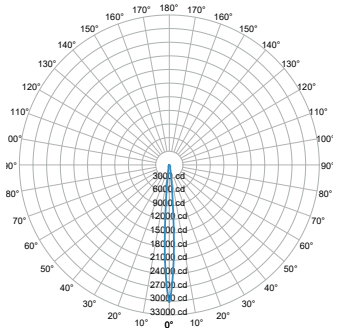
Lumens
1,274

Watts
14.5

Efficacy
87.86

SC
0.13

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	472 fc	1.0 '
10.0 '	302 fc	1.3 '
12.0 '	210 fc	1.6 '
14.0 '	154 fc	1.8 '
16.0 '	118 fc	2.1 '
20.0 '	76 fc	2.6 '
24.0 '	52 fc	3.1 '
30.0 '	34 fc	3.9 '

Candela Table

	0.00°
0.00°	30,201
5.00°	9,009
10.00°	1,663
15.00°	744
20.00°	559
30.00°	436
40.00°	26
50.00°	0
60.00°	0
70.00°	0
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	1,117	88%
0° - 40°	1,269	100%
0° - 60°	1,274	100%
60° - 90°	0	0%
0° - 20°	892	70%
20° - 50°	382	30%
50° - 70°	0	0%
70° - 90°	0	0%
0° - 90°	1,274	100%
90° - 180°	0	0%
Total	1,274	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	1.0 ft	~ 472 fc
10 ft	1.3 ft	~ 302 fc
12 ft	1.6 ft	~ 210 fc
8 ft	0.8 ft	~ 839 fc
10 ft	1.0 ft	~ 537 fc
12 ft	1.2 ft	~ 373 fc
8 ft	0.5 ft	~ 1888 fc
10 ft	0.7 ft	~ 1208 fc
12 ft	0.8 ft	~ 839 fc

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

MEDIUM - MD 26° 1330K

Model
A4VOCLED1-1330K-MD

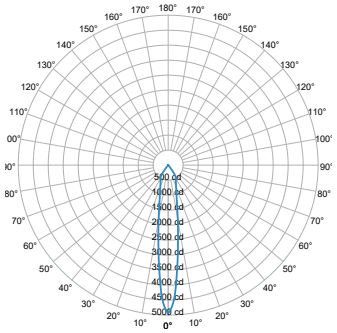
Lumens
1,115

Watts
14.2

Efficacy
78.52

SC
0.25

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	77 fc	2.2 '
10.0 '	49 fc	2.7 '
12.0 '	34 fc	3.2 '
14.0 '	25 fc	3.8 '
16.0 '	19 fc	4.3 '
20.0 '	12 fc	5.4 '
24.0 '	9 fc	6.5 '
30.0 '	5 fc	8.1 '

Candela Table

	0.00°
0.00°	4,936
5.00°	3,444
10.00°	1,844
15.00°	1,082
20.00°	767
30.00°	512
40.00°	72
50.00°	23
60.00°	5
70.00°	0
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	879	79%
0° - 40°	1,071	96%
0° - 60°	1,114	100%
60° - 90°	1	0%
0° - 20°	593	53%
20° - 50°	510	46%
50° - 70°	12	1%
70° - 90°	0	0%
0° - 90°	1,115	100%
90° - 180°	0	0%
Total	1,115	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	2.0 ft	~ 77 fc
10 ft	2.5 ft	~ 49 fc
12 ft	3.0 ft	~ 34 fc
8 ft	1.5 ft	~ 137 fc
10 ft	1.9 ft	~ 88 fc
12 ft	2.3 ft	~ 61 fc
8 ft	1.0 ft	~ 309 fc
10 ft	1.3 ft	~ 197 fc
12 ft	1.5 ft	~ 137 fc

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

WIDE - WE 39° 1330K

Model
A4VOCLED1-1330K-WE

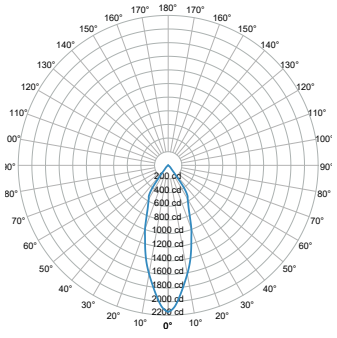
Lumens
1,143

Watts
14.6

Efficacy
78.29

SC
0.57

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	34 fc	5.3 '
10.0 '	21 fc	6.6 '
12.0 '	15 fc	8.0 '
14.0 '	11 fc	9.3 '
16.0 '	8 fc	10.6 '
20.0 '	5 fc	13.3 '
24.0 '	4 fc	15.9 '
30.0 '	2 fc	19.9 '

Candela Table

	0.00°
0.00°	2,150
5.00°	1,929
10.00°	1,617
15.00°	1,298
20.00°	993
30.00°	571
40.00°	94
50.00°	30
60.00°	6
70.00°	0
80.00°	0
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	869	76%
0° - 40°	1,082	95%
0° - 60°	1,141	100%
60° - 90°	2	0%
0° - 20°	532	47%
20° - 50°	594	52%
50° - 70°	18	2%
70° - 90°	0	0%
0° - 90°	1,143	100%
90° - 180°	0	0%
Total	1,143	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	4.6 ft	~ 34 fc
10 ft	5.7 ft	~ 22 fc
12 ft	6.8 ft	~ 15 fc
8 ft	3.4 ft	~ 60 fc
10 ft	4.3 ft	~ 38 fc
12 ft	5.1 ft	~ 27 fc
8 ft	2.3 ft	~ 134 fc
10 ft	2.8 ft	~ 86 fc
12 ft	3.4 ft	~ 60 fc

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

FLOOD - FL 90° 1330K

Model
Model: A4VOCLED1-1330K-FL

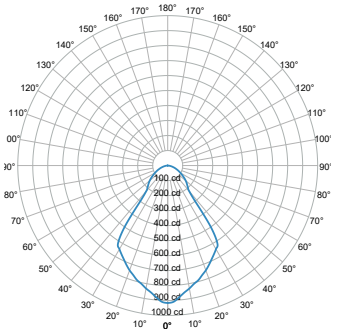
Lumens
1,277

Watts
14.5

Efficacy
88.07

SC
1.05

Candela Curve



Cone of Light

Mounting Height AFF	FC at Center on Floor	Beam Diameter
8.0 '	14 fc	11.4 '
10.0 '	9 fc	14.3 '
12.0 '	6 fc	17.2 '
14.0 '	5 fc	20.0 '
16.0 '	4 fc	22.9 '
20.0 '	2 fc	28.6 '
24.0 '	2 fc	34.3 '
30.0 '	1 fc	42.9 '

Candela Table

	0.00°
0.00°	917
5.00°	882
10.00°	833
15.00°	791
20.00°	744
30.00°	644
40.00°	222
50.00°	156
60.00°	98
70.00°	54
80.00°	19
90.00°	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0° - 30°	622	49%
0° - 40°	904	71%
0° - 60°	1,159	91%
60° - 90°	118	9%
0° - 20°	305	24%
20° - 50°	742	58%
50° - 70°	185	15%
70° - 90°	45	4%
0° - 90°	1,277	100%
90° - 180°	0	0%
Total	1,277	100%

Spacing Criterion

Height	Spacing	Light Level*
8 ft	8.4 ft	~ 14 fc
10 ft	10.5 ft	~ 9 fc
12 ft	12.6 ft	~ 6 fc
8 ft	6.3 ft	~ 25 fc
10 ft	7.9 ft	~ 16 fc
12 ft	9.5 ft	~ 11 fc
8 ft	4.2 ft	~ 57 fc
10 ft	5.3 ft	~ 37 fc
12 ft	6.3 ft	~ 25 fc

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

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