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

6" C-Class, LED Adjustable

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 adjustable downlights provide 30° vertical and 360° horizontal adjustment ranges.

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
- 30° vertical, 360° horizontal adjustability

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	Lumens Per Watt
700	686	7.7	89.09
1300	1115	14.4	77.43
2000	1960	22.2	88.29
3000	2940	30.8	95.45

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

Ordering Information

EXAMPLE: A6VOCLEDADJU-0735K-C600-SGC-MD-WHT-NCFAQ-HCR

Series	Voltage	Lumens	Kelvin (CCT)	Reflector	Reflector Finish	Distribution	Flange Finish	Frame	Options*
A6VOCLEDADJ	**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	**C600** Open *All trims supplied standard with white painted flange.	**SGC** Soft Glow Clear **WHT** White Matte* *FL distribution available in WHT only	**NW** - Narrow 25° **MD** - Medium 36° **WE** - Wide 48° **FL** - Flood 62°	**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



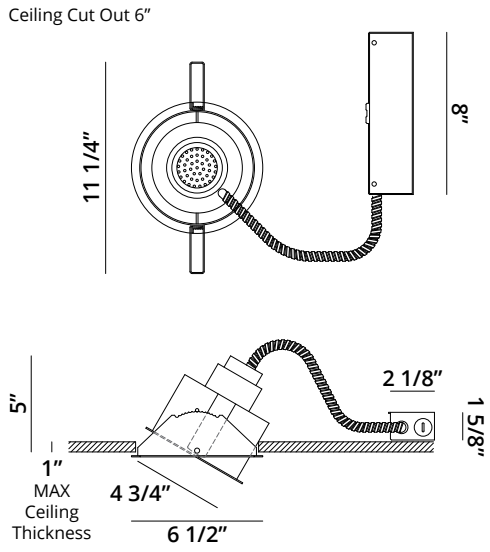
Flood - FL

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.

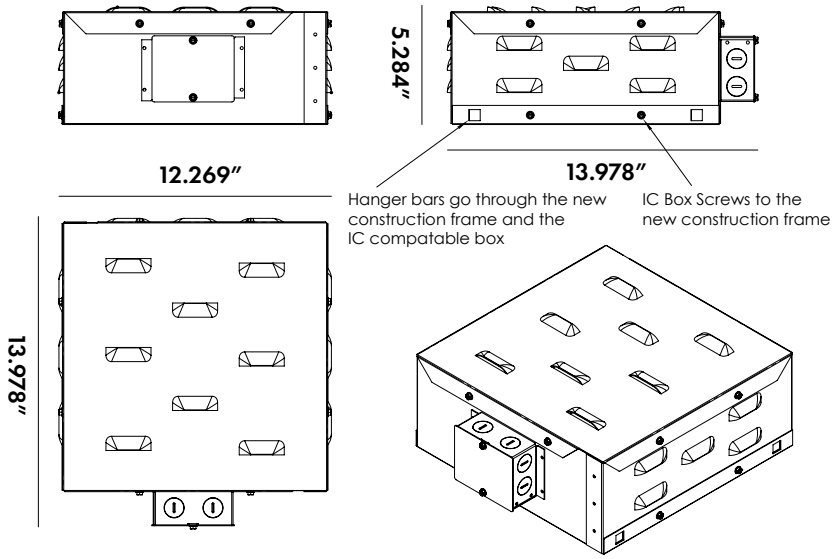
6" C-Class, LED Adjustable
Open Round, 700-3000 lumens

Dimensional Data

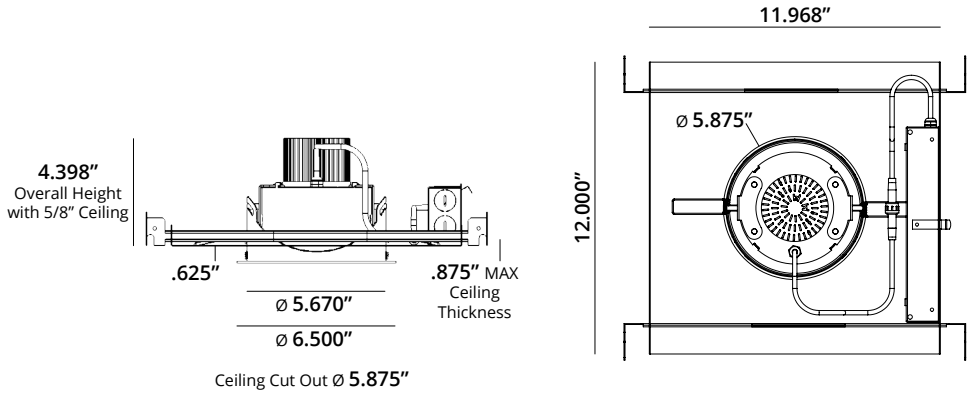
RMDL
(standard)



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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6" C-Class, LED Adjustable

Open Round, 700-3000 lumens

Photometry

NARROW - NW 25° 1330K

Model
A6VOCLEDADJ1-1330K-NW

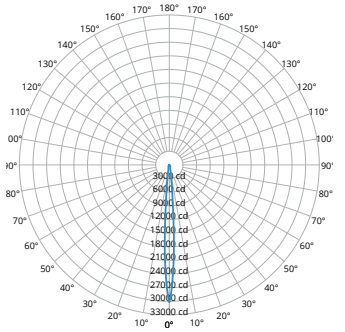
Lumens
1,274

Watts
14.4

Efficacy
88.47

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 36° 1330K

Model
A6VOCLEDADJ1-1330K-MD

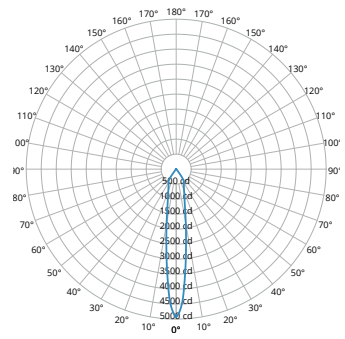
Lumens
1,115

Watts
14.4

Efficacy
77.43

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 48° 1330K

Model
A6VOCLEDADJ1-1330K-WE

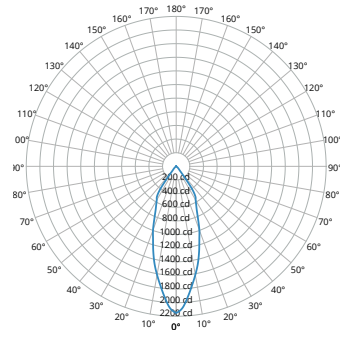
Lumens
1,143

Watts
14.4

Efficacy
79.38

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 62° 1330K

Model
A6VOCLEDADJ1-1330K-FL

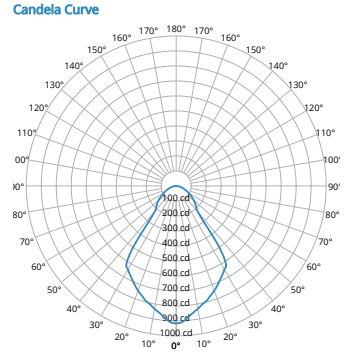
Lumens
1,277

Watts
14.4

Efficacy
88.68

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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