

Catalog #	Type
Project	
Notes	Date
Prepared by	



*New construction frame sold separately



6" LED/C-Class

LED 6" Lensed Downlight, non-IC, 700-3000 Lumens

Description

LED Array

LED downlighting is available in 700, 1300, 2000 and 3000 lumens. A wide selection of optical assemblies allow distribution patterns to be tailored to fit a variety of applications. Standard non-dimming driver with optional dimming drivers with the ability to interface with 0-10V or Triac lighting control systems provide additional light level control.

Specifications and Features

Benefits

- Light engine with three step MacAdam Ellipse binning for excellent color consistency.
- Standard 80 CRI (minimum) with optional 95 CRI (minimum) for color critical applications.
- Highly energy efficient lighting solution with up to 100 lumens per watt.
- Driver housed within approved splice compartment and is thermally protected.
- All drivers include integrated surge protection.
- Optional 0-10V dimming drivers in two varieties, down to 10% or 1% of lumen output.
- Optional Triac dimming driver with dimming to 20% of lumen output
- Long Life. Minimum L₇₀ of 50,000 hours.
- 5 year warranty on LED module and driver.

Housing

Polyester powder coat painted heavy gauge cold roll steel housing with integrated flange and stainless steel spring torsion retaining ears. Luminaire is pre-wired and grounded to driver housing/junction box with easy access from below. Driver/junction box is listed for through branch circuit wiring. Integrated forged aluminum heat sink promotes rapid heat dissipation, extending LED life.

Optional New Construction Frame Advanced Quick Connect provides positive location for ease of installation in a variety of ceiling materials. Includes integrated bar hangers which feature rigid form cross sections and include joist position tabs, integral nails, auxiliary nail holes, T-Bar slots and holes for locking to grid using self-tapping screws (by others).

Non-IC construction. Insulation must be kept 3" away from luminaire.

Listings

Manufactured and Listed to UL 1598, ETL and CSA standards. Non-IC rated. Insulation to be kept 3" from luminaire. Suitable for Damp Locations; Wet location under covered ceiling. All photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures.


Warranty

5-year warranty on LED module, driver, housing and reflectors.

Ordering Information

EXAMPLE: A6VECLE1-0727K-C601-SCL-NW-WHT-EM

Series/Source	Voltage	Lumens	Kelvin	Reflector	Finish	Distribution	Flange Color	Frame	Options
A6VECLE1 6" round, C-Class, Lensed	1 - 120 Volts 2 - 277 Volts 3 - 347 Volts³	-07 - 700 -13 - 1300 -20 - 2000 -30 - 3000	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	C601 <i>*Semi-specular or matte white painted reflector with flush, lightly frosted polycarbonate lens.</i>	SCL <i>*Reflector standard finish semi-specular clear</i>	NW MD WE <i>*Beam angle is 50% of Center Beam Candle Power</i>	WHT <i>White</i> BLK <i>Black</i>	NCFAQ <i>New Construction Frame w/ Advanced QuickConnect</i> RMDL <i>Remodeler</i>	EM HCR TDM ZDM

 Options in purple qualify for the Velocity Same Day program up to 100 pieces (up to 30 in EM). Refer to Velocity Guide for complete details.

Notes

- ³Step-down Transformer
- ▲ Consultate Page OP-1 for additional housing and trim options.
- ▲ Consultate Page LED-DD for decorative trim options.

Reflector Finish Options

SCL - Specular Clear "Alzak"

Distribution

NW - Narrow 25°
MD - Medium 36°
WE - Wide 48°

Frame

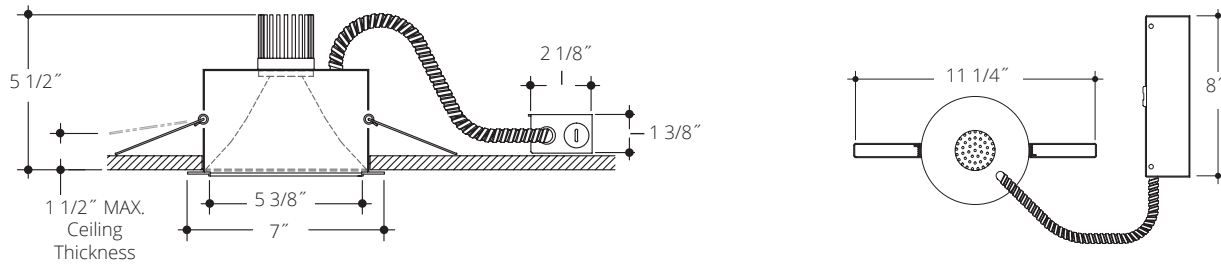
NCFAQ - New Construction Frame w/ Advanced QuickConnect
RMDL - Remodeler

Options

EM - Emergency Battery
HCR - 95 CRI (minimum)
TDM - Triac Dimming Driver
ZDM - 0-10V Dimming to 1%

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.

Dimensional Data: LED 6" Lensed Downlight, non-IC, 700-3000 Lumens



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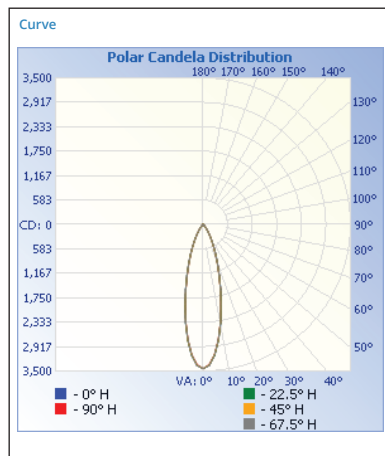
Lumens

Lumens	Wattage*
700-3k	7.7
700-4k	7
1300-3k	14.4
1300-4k	13.5
2000-3k	22.2
2000-4k	21
3000-3K	30.8
3000-4K	29.3

*Actual Wattage/Lumens may vary.

Photometrics - Medium

Test Number
 102182053CRT-029
Model
 A6VECLE1-M-1330K
Lumens
 1184
Efficacy
 82.7
SC
 0.993



Cone of Light

	Center Beam fc	Beam Width	
1.7	1190	0.9	0.9
3.3	316	1.7	1.7
5.0	138	2.5	2.5
6.7	76.6	3.4	3.4
8.3	49.9	4.2	4.2
10.0	34.4	5.1	5.0

Candela Table

Degrees Vertical	Candela
0.0	3440
5.0	3130
10.0	2389
15.0	1600
20.0	1006
25.0	610
30.0	348
35.0	185
40.0	96
45.0	52
50.0	30
55.5	18
60.0	11
65.0	7
70.0	4
75.0	1
80.0	0
85.0	0
90.0	0

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	994.0	84.0
0-40	1114.9	94.2
0-60	1174.4	99.2
60-90	9.1	0.8
0-90	1183.5	100.0
90-180	0.0	0.0
0-180	1183.5	100.0