

AL8-VA1 8" Architectural LED Downlight

Catalog #		Prepared by	LiteHarbor
Project		Date	
Notes			



8" Architectural LED Downlight

Description

- 1) Lighting is smooth and comfortable while using 50% less energy than the common CFL downlight.
- 2) Eco-friendly no lead or mercury
- 3) Designed to install into an existing downlights mounting frame and convert them into energy efficient LED downlights to save anywhere from 35% up to 75% on energy cost.
- 4) Ideal suited for use in commercial, retail and other architectural applications
- 5) Available with dedicated Emergency Battery Back-up

Reflector

- 1) High quality reflector with 1.2mm thickness
- 2) Optional painted white flange is available

Reflector Assembly

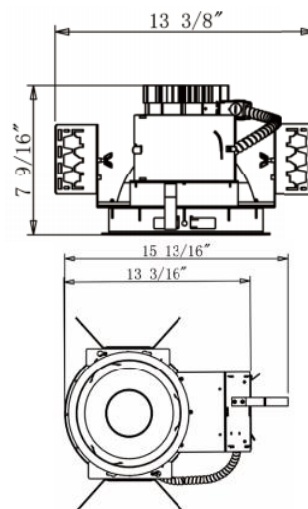
Reflector easily wires to dedicated frame with locking quick connect

LED Module

Cree true white® technology available
CRI>80%

Color temperature: 3000K-5000K

Rated for 50000 hours at 70% lumen output



Order Matrix:

A	B	C	D	E	F	G
Item No.:AL8-VA1						

A	Series
AL8-VA1	8" Architectural Downlight LED

B	Input Voltage
	120V
##	277V
U	120-277V

C	LED Available
Cree	Cree
Citizen	Citizen
Epistar	Epistar
Seoul	Seoul
Osram	Osram



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Specifications subject to change w/o notice
Revision: Jan. 2015

No heat, mercury or UV

Electrical System

Thermal protection guard protects the LED module from overheating and will dim LED module if necessary

PF>0.9

Fully dimmable down to 10% of initial light output with a 0-10 Volt dimmer

Frame

Constructed from 16-gauge steel, die-formed construction for max heat dissipation and rust protection.

Clearance

Frames require a minimum clearance of 3" ring from thermal insulation and 1/2" from adjacent building component.

Mounting

- 1) Designed to install into an existing downlights mounting frame and convert them into energy efficient LED downlights.
- 2) Flex is designed to attach into existing junction box.
- 3) Vertically adjustable universal mounting brackets accept flat bar hangers, conduit or C channel.
- 4) The reflector assembly is held in with 4 "butter-fly" spring clips.
- 5) Reflector assy quickly attaches with lockable quick connect. Hanger bars ordered separately.
- 6) Compatible with C-channel, flat bar wood joist bar hanger and EMT

Junction Box

- 1) Plaster frame integrated 29 cubic inch 0.064" thick galvanized steel
- 2) Provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pryout slots and strain clamps.
- 3) Designed for straight through conduit runs.
- 4) Electrical connections are made through a single junction box door.
- 5) Green wire provided for installation with ground wire fed through PVC pipe conduit.

Thermal Protector

External thermal device is located on the junction box wrap.

D	Dimmable
	Non-Dimmable
DM	Dimmable

E	Lumen Output
2000	2000 Lumen
3000	3000 Lumen
4000	4000 Lumen

F	Color Temperature
30K	3000K
40K	4000K
50K	5000K

G	Options
EM	Emergency Backup
C	C-Channel Bar Hanger
F	Flat Bar Hanger
H	Wood Joist Bar Hanger

Reflector Matrix

A	B	C
A	Trim	
SF	Self Flanged	
SFW	Self Flanged White	
	No Flange	

B	Reflector Finish
C	Clear
HZ	Haze
WH	White

C	Lens Type
CR	Clear Tempered
SB	Sand Blasted



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Driver

The LED driver is mounted to the J-box cover and is accessible from below the ceiling.

Rated for 50 to 60Hz at 120V/277V input

Produces less than 20% THD

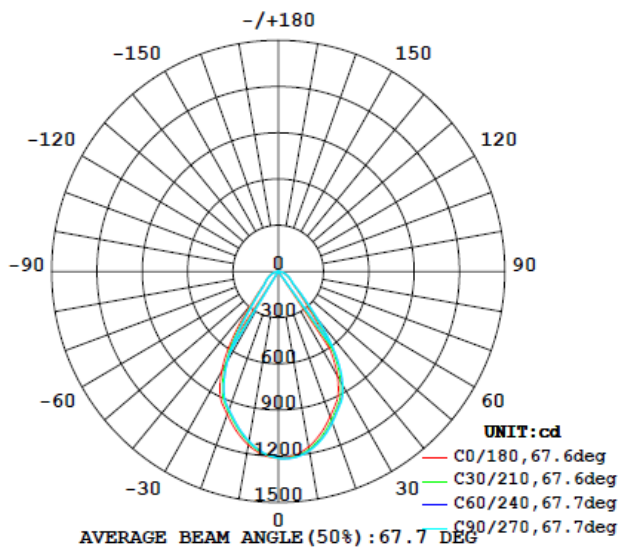
Listing & Warranty

ETL listed to US and Canada standards for wet locations

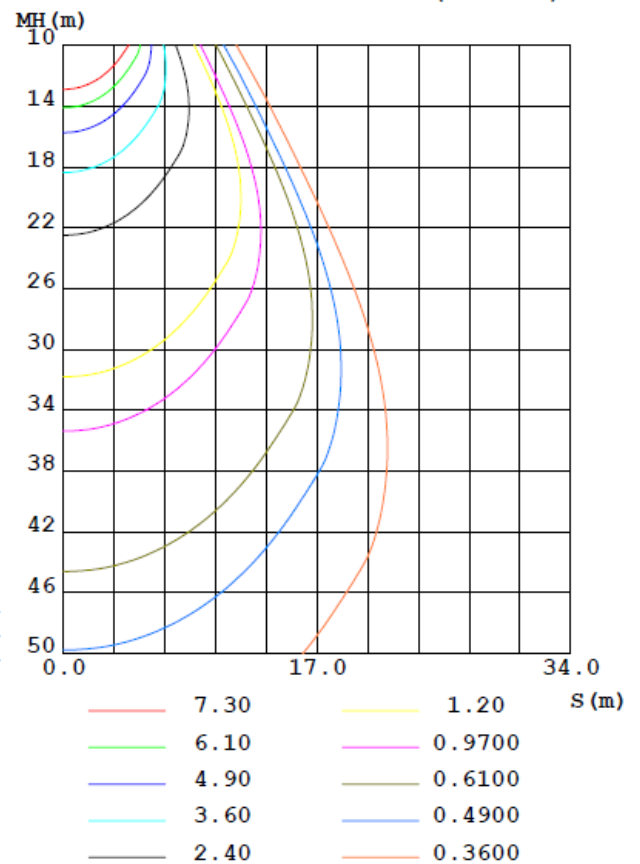
5-year limited warranty

Other Special Requirements Please Confirm with Factory

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



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