

NCAH2-830

8" Sapphire II New Construction Frame-In

Source: 15W to 60W LED
900lm to 4500lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Architectural grade LED High Lumen Downlights featuring deep cone reflectors. Dimmable Cree® LEDs and Cree® LED drivers make for a solid, complete and tested package. The Sapphire series is available in 4", 6" or 8" sizes and also in new construction or remodel frame-ins.

CONSTRUCTION

Plaster Frame: Architectural quality 0.050 galvanized steel ring riveted to 0.064 steel junction box and driver tray. Plaster frame opening includes (3) "butterfly" spring clips to hold reflector assembly in place.

Mounting: Frame-in includes two adjustable bar hangers and universal brackets that accept flat bar hangers, C-Channel (ordered separately) or rigid 1/2" conduit. Adjustable hanger bars with captive nails, alignment foot, T-Bar slot are included on frame. Frame-in includes an adjustable deep ceiling collar that accommodates ceiling thickness from 1/2" to 2".

Minimum Clearances: Frames require a minimum of 3" from thermal insulation and 1/2" from adjacent building component.

Junction Box: Plaster frame integrated 29 cubic inch 0.064" thick galvanized steel, with seven 1/2" knockouts, four pryouts, and snap on cover. Electrical connections are made through a single junction box door. Green wire provided for installations with ground wire fed through PVC pipe conduit. Junction box connects to reflector assembly with lockable quick connect.

Thermal Protector: LE3: External thermal device is located on the junction box; LE6: Thermally protected driver

Driver: Isolated driver separates the primary side from the secondary side.

ELECTRICAL

Input Voltage: 120V or 120-277V

Operating Temp.: 0°C to 45°C ambient temperature

Lumens / Wattage: L09 = 900lm / 15W; L15 = 1500lm / 18W; L25 = 2500lm / 30W; L35 = 3500lm / 46W; L45 = 4500lm / 60W

Dimming: Triac, ELV or 0-10V dimming

[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

COMPATIBLE REFLECTORS

CATALOG NO.	DESCRIPTION
NC2-831	8" Open Reflector
NC2-836	8" Wall Wash Reflector
NC2-838	8" Decorative Glass Reflector

Emergency LED Driver

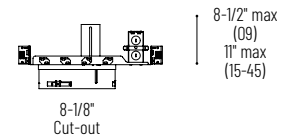
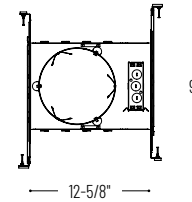
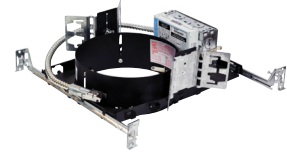
- Up to 7.5W emergency illumination with LEDs.
- Illumination Time: 90min
- Voltage: 120/277 VAC, 60Hz
- Output Voltage: 15.0-50.0 VDC
- Available with remote or integral test switch, must specify

LABELS AND LISTINGS

- cULus Listed for Damp Location (Wet Location when used with compatible reflector)
- [5-Year Limited Warranty](#)
- RoHS Compliant
- Emergency LED Driver meets Title 20 CEC efficiency standards



PRODUCT IMAGES AND DIMENSIONS



8" Sapphire II New Construction Frame-In - Compatible with Sapphire II Reflectors

Lumens / Wattage	Driver	Optional Emergency
NCAH2-830/09 = 900lm / 15W	LE3 = 120V Input; Triac/ELV/0-10V dimming	EM = Emergency Pack w/ Remote Test Switch
NCAH2-830/15 = 1500lm / 18W	LE6 = 120-277V Input; 0-10V dimming	EMI = Emergency Pack w/ Integral Test Switch, must specify on reflector
NCAH2-830/25 = 2500lm / 30W		
NCAH2-830/35 = 3500lm / 46W		
NCAH2-830/45 = 4500lm / 60W		

Example: NCAH2-830/15LE6EM = 8" Sapphire II Universal New Construction Frame-In, 1500lm / 18W, 120-277V Input, Emergency with Remote Test Switch