

# SAPPHIRE II

## Commercial & Architectural Downlight 4", 6" & 8" / 900lm to 4500lm

Sapphire II is an architectural grade LED high lumen downlight available in 4", 6" and 8" deep cone reflectors that provide over 55° cut-off with even illumination for visual comfort. The Sapphire II uses the latest COB technology by Cree®. The COB allows for better optic control, available in three beam spreads. Beam spreads focus the light down to the work plane from high ceiling applications. The Sapphire II series is available in new construction, remodel and retrofit configurations.

### FEATURES

- 900lm, 1500lm, 2500lm, 3500lm or 4500lm LED packages
- 4", 6" or 8" deep cone reflectors
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- 120V or 120-277V input
- Triac, ELV or 0-10V dimming
- Cree® COB with spot, narrow flood or flood beam spreads
- New construction universal frame-in
  - Includes hanger bars notched for T-Bar
  - Includes butterfly brackets for EMT, channel mounting
  - Includes adjustable deep ceiling collar
- Retrofit and Remodel styles
- 5-year limited warranty
- ENERGY STAR® certified
- cULus Listed for Wet Locations



**NC2-831**  
8" Open Reflector



**NC2-636**  
6" Wall Wash



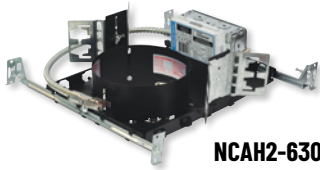
**NC2-438 / NTG-4SPH-CF**  
4" Reflector for Decorative Glass  
& Clear Glass with Frosted Center



**NCR2-61**  
6" Retrofit Reflector



# SAPPHIRE II ORDERING MATRICES



**NCAH2-630**  
6" Universal



**NCHR2-434**  
4" Remodel

## 4", 6" & 8" SAPPHIRE II FRAME-INS

FRAME TYPE / APERTURE	LUMENS / WATTAGE	DRIVER	OPTIONAL EMERGENCY
<a href="#">NCAH2-430/</a> 4" Universal <a href="#">NCHR2-434/</a> 4" Remodel	<b>09</b> 900lm / 16W <b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W	<b>LE3</b> 120V input; Triac/ELV/0-10V dimming <b>LE6</b> 120-277V input; 0-10V dimming	<b>EM</b> Emergency w/ Remote Test Switch <b>EMI</b> Emergency w/ Integral Test Switch (must specify on reflector)
<a href="#">NCAH2-630/</a> 6" Universal <a href="#">NCHR2-634/</a> 6" Remodel	<b>09</b> 900lm / 16W <b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W		
<a href="#">NCAH2-830/</a> 8" Universal <a href="#">NCHR2-834/</a> 8" Remodel	<b>35</b> 3500lm / 46W <b>45</b> 4500lm / 60W		

Example: **NCAH2-830/45LE3** - 8" Sapphire II Universal Frame-In, 4500lm / 60W, 120V input; Triac/ELV/0-10V dimming



**NC2-438**  
4" Reflector for  
Deco Glass

**NC2-636**  
6" Wall Wash

**NC2-831**  
8" Reflector

## 4", 6" & 8" SAPPHIRE II REFLECTORS

REFLECTOR TYPE	LUMENS / WATTAGE	CCT	BEAM SPREAD	FINISH	FLANGE	OPTIONAL EMERGENCY
<a href="#">NC2-431</a> 4" Open Reflector <a href="#">NC2-436</a> 4" Wall Wash <a href="#">NC2-438</a> 4" Deco Glass <sup>2</sup>	<b>L09</b> 900lm / 16W <b>L15</b> 1500lm / 18W <b>L25</b> 2500lm / 30W	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>S</b> Spot <b>M</b> Medium <b>F</b> Flood	<b>B</b> Black <b>D</b> Clear Diffused <b>H</b> Haze <b>W</b> White	<b>SF</b> Self Flanged <b>WSF</b> White Flange	<b>EM</b> Integral Test Switch (open reflector only)
<a href="#">NC2-631</a> 6" Open Reflector <a href="#">NC2-636</a> 6" Wall Wash <sup>1</sup> <a href="#">NC2-638</a> 6" Deco Glass <sup>1,2</sup>	<b>L09</b> 900lm / 16W <b>L15</b> 1500lm / 18W <b>L25</b> 2500lm / 30W					
<a href="#">NC2-831</a> 8" Open Reflector <a href="#">NC2-836</a> 8" Wall Wash <sup>1</sup> <a href="#">NC2-838</a> 8" Deco Glass <sup>1,2</sup>	<b>L35</b> 3500lm / 46W <b>L45</b> 4500lm / 60W					

<sup>1</sup> Available up to 3500lm only • <sup>2</sup> Specify glass separately for deco. glass, see below

Example: **NCAH2-830/45LE3** - 8" Sapphire II Universal Frame-In, 4500lm / 60W, 120V input; Triac/ELV/0-10V dimming



**NCR2-81**  
8" Retrofit Reflector

## 6" & 8" SAPPHIRE II RETROFIT

REFLECTOR TYPE	LM / W	CCT	BEAM SPREAD	DRIVER	FINISH	FLANGE
<a href="#">NCR2-61</a> 6" Open Reflector <a href="#">NCR2-66</a> 6" Wall Wash <sup>1</sup> <a href="#">NCR2-68</a> 6" Deco Glass <sup>1,2</sup>	<b>09</b> 900lm / 16W <b>15</b> 1500lm / 18W <b>25</b> 2500lm / 30W	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>S</b> Spot <b>M</b> Medium <b>F</b> Flood	<b>E3</b> 120V; Triac/ELV/0-10V <b>E6</b> 120-277V; 0-10V	<b>B</b> Black <b>D</b> Clear Diffused <b>H</b> Haze <b>W</b> White	<b>SF</b> Self Flanged <b>WSF</b> White Flange
<a href="#">NCR2-81</a> 8" Open Reflector <a href="#">NCR2-86</a> 8" Wall Wash <sup>1</sup> <a href="#">NCR2-88</a> 8" Deco Glass <sup>1,2</sup>	<b>35</b> 3500lm / 46W <b>45</b> 4500lm / 60W					

<sup>1</sup> Available up to 3500lm only • <sup>2</sup> Specify glass separately for deco. glass, see below

Example: **NCAH2-830/45LE3** - 8" Sapphire II Universal Frame-In, 4500lm / 60W, 120V input; Triac/ELV/0-10V dimming



**NTG-6CF & NTG-6B/120**  
6" Decorative Glass

## 4", 6" & 8" DECORATIVE GLASS

<a href="#">NTG-4SPH-CF</a> 4" Tempered Clear Glass with Frosted Center <a href="#">NTG-4SPH-FC</a> 4" Tempered Frosted Glass with Clear Center <a href="#">NTG-4SPH-HC</a> 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center	<a href="#">NTG-6B/120</a> 6" Tempered Blue Glass with 4-3/4" Open Center <a href="#">NTG-6B/80</a> 6" Tempered Blue Glass with 3-1/8" Open Center <a href="#">NTG-6CF</a> 6" Tempered Clear Glass with Frosted Center <a href="#">NTG-6FC</a> 6" Tempered Frosted Glass with Clear Center <a href="#">NTG-6HC</a> 6" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center	<a href="#">NTG-8B/167</a> 8" Tempered Blue Glass with 6-5/8" Open Center <a href="#">NTG-8B/80</a> 6" Tempered Blue Glass with 3-1/8" Open Center <a href="#">NTG-8CF</a> 6" Tempered Clear Glass with Frosted Center <a href="#">NTG-8FC</a> 6" Tempered Frosted Glass with Clear Center <a href="#">NTG-8HC</a> 6" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center
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Decorative Glass Reflector trim supplied with three studs mounted in flange for attaching decorative glass (specified separately). The decorative glass will reduce the amount of usable light by 10% to 30% depending on the selected glass.