

# SAPPHIRE III

## Commercial & Architectural Specification Grade Downlights 4", 6" & 8" aperture / Up to 5500lm

Sapphire III 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 III utilizes Signify® COB LED technology for better optic control with three specified beam spreads. Beam spreads focus the light down to the work plane from high ceiling applications. Sapphire III luminaires are available in new construction, remodel and retrofit configurations.

### FEATURES

- 900lm to 5500lm LED packages
- 4", 6" or 8" deep cone reflectors
- 2700K, 3000K, 3500K or 4000K @ 90+ CRI
- 120V, 277V or 120-277V input
- Triac, ELV or 0-10V dimming
- Signify® 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



**NC3-81**  
8" Open Reflector



**NC3-66**  
6" Wall Wash



**NC3-48 / NTG-4SPH-CF**  
4" Reflector for Decorative Glass  
& Clear Glass with Frosted Center



**NC3-61**  
6" Retrofit Reflector



# SAPPHIRE III ORDERING MATRICES



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

FRAME TYPE / APERTURE	LUMENS / WATTAGE	INPUT / DIMMING	OPTIONAL EMERGENCY
<b>NCH3-4</b> 4" New Construction <sup>1</sup>	<b>L1</b> 900lm / 13W	<b>P01</b> 120V input; Triac/ELV dimming <b>C12</b> 120-277V input; 0-10V dimming	<b>EM</b> Emergency w/ Remote Test Switch <sup>2</sup> <b>EMI</b> Emergency w/ Integral Test Switch <sup>2</sup> (Compatible with Open Reflector only)
<b>NCHR3-4</b> 4" Remodel <sup>1</sup>	<b>L2</b> 1500lm / 18W		
<b>NCH3-6</b> 6" New Construction	<b>L3</b> 2500lm / 26W <b>L4</b> 3500lm / 38W <b>L5</b> 4500lm / 46W <b>L6</b> 5500lm / 60W	<b>P01</b> 120V input; Triac/ELV dimming <b>C01</b> 120V input; 0-10V dimming <b>C02</b> 277V input; 0-10V dimming	
<b>NCHR3-6</b> 6" Remodel			
<b>NCH3-8</b> 8" New Construction			
<b>NCHR3-8</b> 8" Remodel			

<sup>1</sup> Available up to L5 only • <sup>2</sup> Available with new construction only

Example: **NCH3-8L6C02** = 8" Sapphire III New Construction Frame-In, 5500lm / 60W, 277V input; 0-10V dimming



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

REFLECTOR TYPE	LUMENS / WATTAGE	CCT	BEAM SPREAD	FINISH <sup>4</sup>	OPTIONAL EMERGENCY
<b>NC3-41</b> 4" Open Reflector <sup>1</sup>	<b>L1</b> 900lm / 13W	<b>27</b> 2700K	<b>S</b> Spot	<b>BB</b> Black / Black	<b>EMI</b> Integral Test Switch (Open Reflector only)
<b>NC3-46</b> 4" Wall Wash <sup>2</sup>	<b>L2</b> 1500lm / 18W	<b>30</b> 3000K	<b>N</b> Narrow Flood	<b>BMPW</b> Black / MPW	
<b>NC3-48</b> 4" Deco Glass <sup>2,3</sup>	<b>L3</b> 2500lm / 26W	<b>35</b> 3500K	<b>F</b> Flood	<b>CC</b> Clear / Clear	
<b>NC3-61</b> 6" Open Reflector	<b>L4</b> 3500lm / 38W	<b>40</b> 4000K		<b>DB</b> Diffused / Black	
<b>NC3-66</b> 6" Wall Wash <sup>1</sup>	<b>L5</b> 4500lm / 46W			<b>DD</b> Diffused / Diffused	
<b>NC3-68</b> 6" Deco Glass <sup>1,3</sup>	<b>L6</b> 5500lm / 60W			<b>DMPW</b> Diffused / MPW	
<b>NC3-81</b> 8" Open Reflector				<b>HZ</b> Haze / Haze	
<b>NC3-86</b> 8" Wall Wash				<b>HZB</b> Haze / Black	
<b>NC3-88</b> 8" Deco Glass <sup>3</sup>				<b>HZMPW</b> Haze / MPW	
				<b>MPW</b> Matte Powder White	

<sup>1</sup> Available up to L5 only • <sup>2</sup> Available up to L4 only • <sup>3</sup> Specify glass separately for deco. glass, see below • <sup>4</sup> Not all finishes available on all types

Example: **NC3-81L635MPW** = 8" Sapphire III Open Reflector, 5500lm / 60W, 3500K, Spot Beam Spread, Matte Powder White Reflector & Flange



## 6" & 8" SAPPHIRE III RETROFIT

REFLECTOR TYPE	LM / W	CCT	BEAM SPREAD	DIMMING	INPUT	FINISH <sup>3</sup>
<b>NCR3-61</b> 6" Open Reflector	<b>L1</b> 900lm / 13W	<b>27</b> 2700K	<b>S</b> Spot	<b>P</b> Triac/ELV <b>C</b> 0-10V	<b>01</b> 120V <b>02</b> 277V <b>12</b> 120-277V	<b>BB</b> Black / Black
<b>NCR3-66</b> 6" Wall Wash <sup>1</sup>	<b>L2</b> 1500lm / 18W	<b>30</b> 3000K	<b>N</b> Narrow Flood			<b>BMPW</b> Black / MPW
<b>NCR3-68</b> 6" Deco Glass <sup>1,2</sup>	<b>L3</b> 2500lm / 26W	<b>35</b> 3500K	<b>F</b> Flood			<b>CC</b> Clear / Clear
<b>NCR3-81</b> 8" Open Reflector	<b>L4</b> 3500lm / 38W	<b>40</b> 4000K				<b>DB</b> Diffused / Black
<b>NCR3-86</b> 8" Wall Wash	<b>L5</b> 4500lm / 46W					<b>DD</b> Diffused / Diffused
<b>NCR3-88</b> 8" Deco Glass <sup>2</sup>	<b>L6</b> 5500lm / 60W					<b>DMPW</b> Diffused / MPW
						<b>HZ</b> Haze / Haze
						<b>HZB</b> Haze / Black
						<b>HZMPW</b> Haze / MPW
						<b>MPW</b> Matte Powder White

<sup>1</sup> Available up to 4500lm only • <sup>2</sup> Specify glass separately for deco. glass, see below • <sup>3</sup> Not all finishes available on all reflectors

Example: **NCR3-61L635SC02DB** - 8" Sapphire III Retrofit Reflector, 5500lm / 60W, 3500K, Spot Optic, 277V input; 0-10V dimming, Diffused / Black



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

<b>NTG-4SPH-FC</b> 4" Tempered Frosted Glass with Clear Center	Decorative glass is 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.
<b>NTG-4SPH-HC</b> 4" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center	
<b>NTG-6CF</b> 6" Tempered Clear Glass with Frosted Center	Decorative glass is 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.
<b>NTG-6FC</b> 6" Tempered Frosted Glass with Clear Center	
<b>NTG-6HC</b> 6" Tempered Clear Glass with Frosted Center and 3-1/8" Open Center	
<b>NTG-8B/80</b> 8" Tempered Blue Glass with 3-1/8" Open Center	
<b>NTG-8CF</b> 8" Tempered Clear Glass with Frosted Center	
<b>NTG-8FC</b> 8" Tempered Frosted Glass with Clear Center	