

**PHILIPS  
LIGHTOLIER**

Downlighting

Calculite LED gen 3

Round and square aperture  
specification-grade downlights



# Experience the change, see the difference

**Philips Lightolier Calculite LED generation 3** continues the legacy of forward innovation with our new reduced brightness optics.

Calculite LED generation 3 optics allow for the use of more light in smaller apertures with no increase to aperture brightness. Our three-part architecture enables easy upgrade of technology, beam angles and color temperatures to create the impact desired in the space over the life of the building. While the requirements may change, our frame doesn't have to. The three-part modular design enables convenient servicing and upgrading of technology, beam angles and color temperatures to create the impact desired in the space over the life of the installation. While the requirements may change, our frame doesn't have to change.

## Benefits

- Maximize visual appeal with three beam spread options to offer the right distribution and light output.
- 50° direct (physical) and 45° reflected (optical) cut offs ensure proper positioning of optics and light source.
- Installation efficiency accomplished by a tool-free installation using quick connect technology.
- Adjustable springs accommodate ceiling thicknesses up to 2" (4" aperture) and 2.75" (6" & 7" apertures).
- Standard dimming to 1% for 0-10V, ELV, Lutron, Dali, POE and Tunable White.
- Uniform light and color consistency at an SDCM of 2.
- Lowest plenum height in tool-free 50° cutoff downlight.
- Architectural vandal proof accessory.



Vandal proof accessory

# Calculite LED gen 3

## Features

- **Apertures:** 4", 6" & 7" Rounds, 4" & 6" Squares, 4" & 6" Cylinders.
- **Flanges:** Polished, White, Black & Flangeless available in all sizes.
- **Frames:** Future proof, no electronics make this the most versatile frame available.
- **Light Engines:** Modular design allows for easy to upgrade and replace components.
- **Reflectors:** Available in six different finish options in all sizes.
- **Beam Spreads:** Narrow, Medium and Wide available in all lumen ranges.
- **Lifetimes/Efficacies:** Up to L90 at 60,000 hrs. with efficacies up to 115 lm/W.

### Quiet Zone

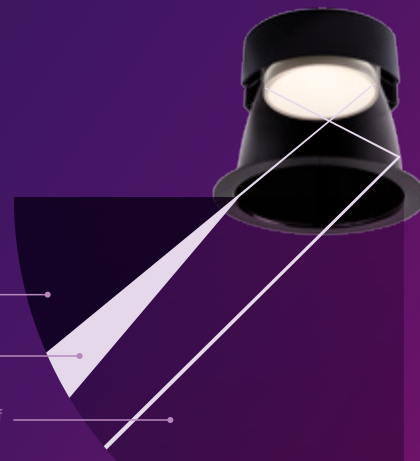
No Visible elements:  
Lens, Clips, Rivets,  
Rings or other hardware

### Transition Zone

50° Direct View Cut Off

### Bright Zone

45° Reflected View Cut Off



## Downlights

	1 3/4"	3"	4"	6"	7"
	very narrow to medium beams				
	12° 17° 25° 38° 47°	N M W	N M W	N M W	N M W
Lumens					
400	● ● ● ● ●				
500			● ● ● ● ●		
1000		● ● ● ● ●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
1500			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
2000			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
2500			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
3000			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
3500				● ● ● ● ●	● ● ● ● ●
4800				● ● ● ● ●	● ● ● ● ●
6000				● ● ● ● ●	● ● ● ● ●

	1x1"	4x4"	6x6"
	very narrow to medium beams		
	12° 17° 25° 38° 47°	N M W	N M W
Lumens			
400	■ ■ ■ ■ ■		
500		■ ■ ■ ■ ■	
1000		■ ■ ■ ■ ■	■ ■ ■ ■ ■
1500		■ ■ ■ ■ ■	■ ■ ■ ■ ■
2000		■ ■ ■ ■ ■	■ ■ ■ ■ ■
2500		■ ■ ■ ■ ■	■ ■ ■ ■ ■
3000		■ ■ ■ ■ ■	■ ■ ■ ■ ■
3500			■ ■ ■ ■ ■
4800			■ ■ ■ ■ ■
6000			■ ■ ■ ■ ■

## Adjustable Accents

	3"	4"
	12° 16° 19° 26° 40°	11° 17° 22° 29°
Lumens		
400	● ● ● ● ●	
500		
1000	● ● ● ● ●	
1500		● ● ● ● ●
2000		
2500		
3000		
3500		
4800		
6000		

## Wall Washers

	1 3/4"	3"	4"	6"	7"
	LW	LW	LW WW DW CW	LW WW DW CW	LW WW DW CW
Lumens					
400	●		● ● ● ● ●		
500		●	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
1000			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
1500			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
2000			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
2500			● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
3000			● ● ● ● ●		● ● ● ● ●
3500				● ● ● ● ●	● ● ● ● ●
4800				● ● ● ● ●	● ● ● ● ●
6000				● ● ● ● ●	● ● ● ● ●

	4x4"	6x6"
	LW	LW
Lumens		
400	■	
500	■	■
1000	■	■
1500	■	■
2000	■	■
2500	■	■
3000	■	■
3500		■
4800		■
6000		■

## Cylinders

	4"	6"	4"	6"
	N M W	N M W	WW	WW
Lumens				
400	● ● ● ● ●	● ● ● ● ●	●	●
500	● ● ● ● ●	● ● ● ● ●	●	●
1000	● ● ● ● ●	● ● ● ● ●	●	●
1500	● ● ● ● ●	● ● ● ● ●	●	●
2000	● ● ● ● ●	● ● ● ● ●	●	●
2500	● ● ● ● ●	● ● ● ● ●	●	●
3000	● ● ● ● ●	● ● ● ● ●	●	●
3500		● ● ● ● ●		●
4800		● ● ● ● ●		●
6000		● ● ● ● ●		●

N = Narrow beam M = Medium beam W = Wide beam LW = Lensed Wall Wash WW = Wall Wash DW = Double Wall Wash CW = Corner Wall Wash

**Note:** Refer to specification sheets for downlight beam spread angles, wet locations and ENERGY STAR® configurations.  
The 7in downlight offers up to five beam spread options (please refer to 7in downlight specification sheet for details).



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