

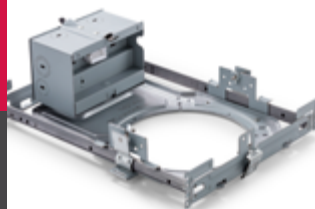
# LIGHTOLIER

by  Signify

## Adaptable, so you can be flexible

Downlighting

UniFrame Series



# One frame for maximum flexibility

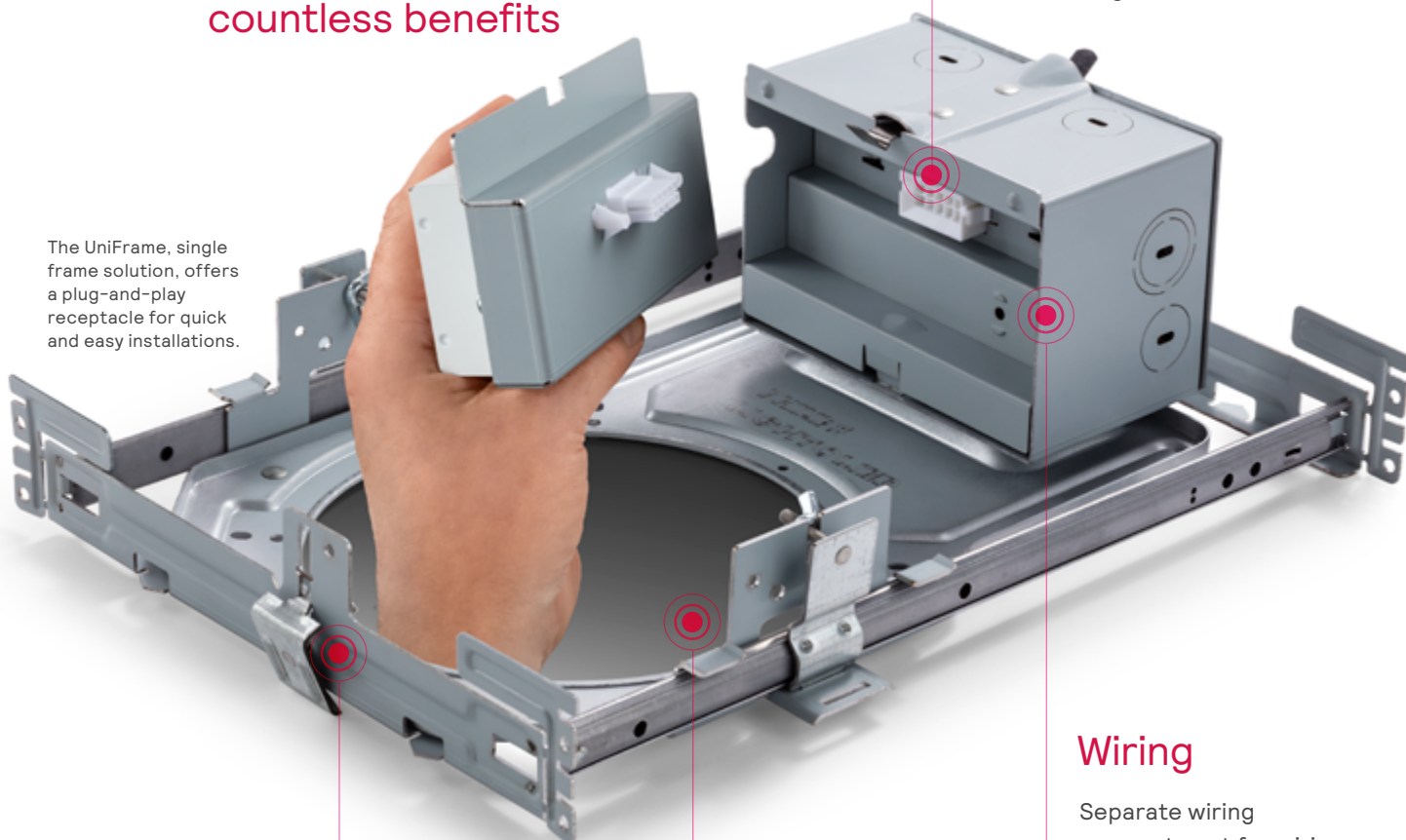
The Lightolier UniFrame, single frame solution architecture, is adaptable and designed around ever-changing project needs. Three unique downlight families all use this same frame, your choices and flexibility are now endless.

One frame,  
three distinct solutions,  
multiple possibilities,  
countless benefits

## Connector

Easy install blind mate connector ensures a secure connection to the driver. The plug-and-play receptacle accommodates technology upgrade light engines and replacements for the life of the building.

The UniFrame, single frame solution, offers a plug-and-play receptacle for quick and easy installations.



## Installation

Tool-less installation into hat channel ceilings in less than 60 seconds.

## Aperture

Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.

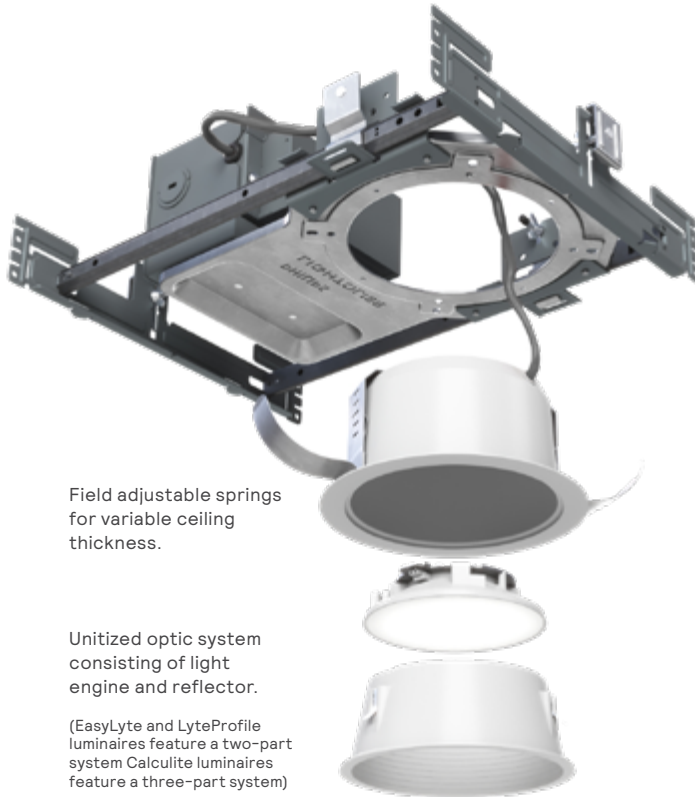
## Wiring

Separate wiring compartment for wiring frame to building allows inspection prior to light engine installation.



# One frame for easy installation and future-proof

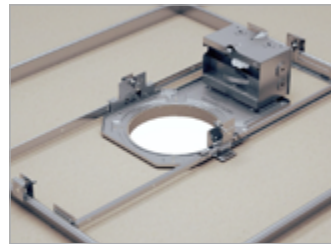
- Modular plug-and-play receptacle enables quick and easy tool-free installation
- Configurable solutions mean installation can start sooner and be completed in stages
- Future-proof modular design allows easy upgrades without ceiling disturbance
- Unexpected design changes have minimal schedule impact and waste



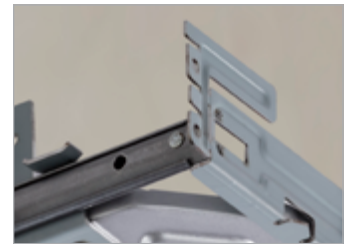
Field adjustable springs  
for variable ceiling  
thickness.

Unitized optic system  
consisting of light  
engine and reflector.

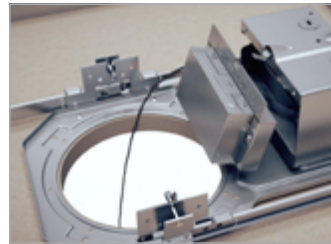
(EasyLyte and LyteProfile  
luminaires feature a two-part  
system. Calculite luminaires  
feature a three-part system)



Quick and tool-less  
installation into T-Grid.



Quick and tool-less  
installation into hat channel.



Easy plug-and-play  
from driver to J-box.



Reflector installs  
into ceiling.

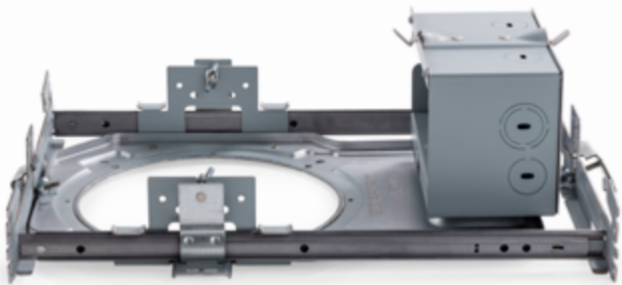


Factory configured  
'Electrical Connection'  
enables easy controls  
integration and  
maintenance.

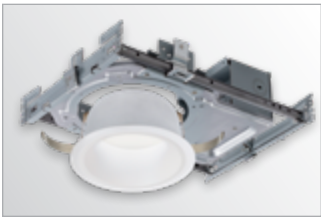
Lightolier continues a simplified installation process from across three of its downlight families as well as into the recessed multiples track fixtures. The frame allows you to get the installation started sooner while providing configurable solutions.

With a fully upgradeable architecture, modular downlights may be conveniently serviced and upgraded at any time without having to access the ceiling. While the requirements may change, our frame doesn't have to change.

# One frame for three distinct solutions, multiple possibilities

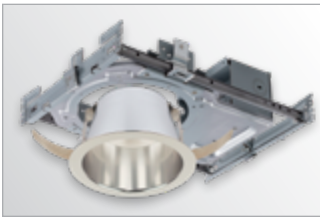


A single frame platform utilized by three distinct product lines with over 50,000 possible configurations.



## EasyLyte ★★★

### Light Commercial



## LyteProfile ★★★★★

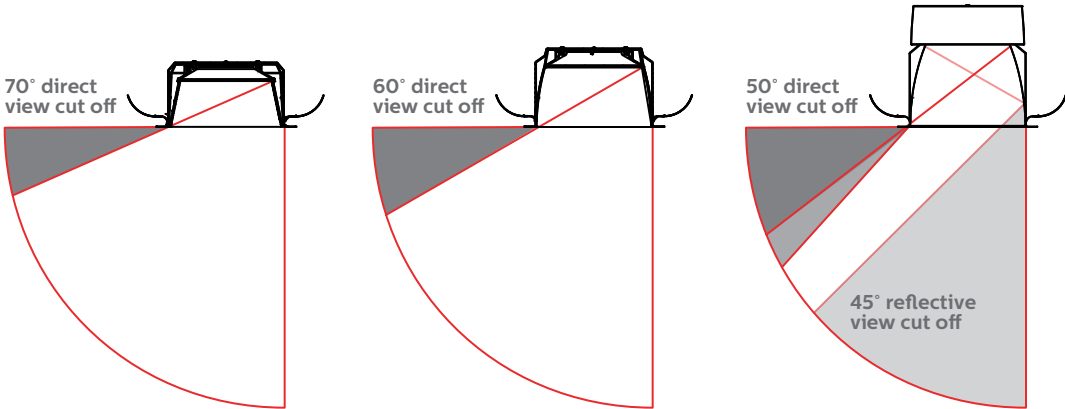
### Commercial



## Calculite ★★★★★

### Specification

System	2-part system	2-part system	3-part system
Apertures	4"/6" Round only	4"/6" Round & Square	4"/6" Round & Square; 7" Round only
Styles	Open Downlight & Step Baffle	Downlight & Lensed Wall Wash	Downlight*, Lensed Wall Wash, Open Wall Wash, Double Wall Wash, Corner Wall Wash
Lumens	500, 1000, 1500, 2000, 2500, 3000, 3500	500, 1000, 1500, 2000, 2500, 3000, 3500	500, 1000, 1500, 2000, 2500, 3000, 3500, 4800, 6000
Finishes	Clear Diffuse, Matte White or Black	Painted White, or Black, Comfort Clear Diffuse, Clear Diffuse, Clear	Painted White, or Black, Comfort Clear Diffuse, Clear Diffuse, Clear, Champagne bronze
Flanges	Matte White only	Matte White or Black, Polished	Matte White or Black, Polished
CRI/CCT	80 CRI: 27K-40K	80 CRI: 27K-50K	80 CRI: 27K-40K 90 CRI: 27K-40K



\* Downlight available in Narrow, Medium, and Wide beam options.



# One frame for multiple stakeholders, different benefits for each

Lightolier extends downlight excellence through a simplified installation process, with no requirement for specialized tools for installation. UniFrame allows you to get the installation started sooner while providing highly configurable (downlight) solutions to showcase your unique lighting vision.

## Specifier / Designer

- Multiple lighting design and control possibilities
- Changes can be made without effecting a finished ceiling
- Design decisions or changes won't adversely affect construction schedule



## Distributor

- Stock friendly product means less inventory
- Single frame for all families simplifies transactions
- Housing is future-proof



## Contractor

- Tool-free/labor saving installation
- Reduced job site waste
- Housing wiring and inspection can be completed prior to light engine installation



“ The UniFrame, single frame platform, provides me with design flexibility and options. **I can reduce project management costs and meet budget requirements without sacrificing quality.** Lighting design changes in the middle of a project? No problem! Since three distinct downlight families work on the same frame platform, a modification is easy without adversely affecting the schedule or finished ceiling.”

“ By stocking and selling Lightolier UniFrame, I can make my installers' jobs easier by providing one frame that can be used universally with three different downlight families. If additional frames are needed on a project job at the last minute, no problem! **I don't have to carry extra SKUs, and it's easier than ever to build out a downlight solution for my contractors.**”

“ **I can save time and money by installing a tool-less, heavy duty frame that can easily switch between three different downlight families without disrupting the ceiling.** The UniFrame, single frame platform, provides peace of mind and can help me stay on budget. I know that my time and materials won't be wasted if the job specifications change halfway through an installation since all three Lightolier downlight families use one single frame.”

# EasyLyte LED downlights



**Available in:**  
4-inch & 6-inch round

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## Styles



### Open Downlight

with Clear Diffuse reflector  
and White flange



### Step Baffle

with Black Step Baffle reflector  
and White flange

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## Finishes



### White

Brightest aperture when  
illuminated and provides  
the smoothest transition  
to most ceilings when off  
(only available with  
a white flange).



### Black

Specular finish that  
provides the lowest  
aperture brightness  
possible and reduces  
source identification in  
a ceiling significantly  
(black is only available with  
a black flange).



### Clear diffuse

Slightly diffuse clear finish  
that softens the light and  
reduces the mirror image  
effect with traditional  
aluminum specular finishes  
(only available with  
a white flange).

# Ordering guide

Refer to footnotes at the bottom of the page for configuration restrictions.

## Frame (frame + trim = complete product) example: 4RN

Series	Apertures	Installations	Options
<div></div>	<div>R</div>	<div></div>	<div></div>
4 4-inch	R Round	N New construction (Non-IC)	— Universal 120/277V (specify for Power Over Ethernet)
6 6-inch		R Remodeler (Non-IC)	3 347V
		A AirSeal (IC) <sup>1</sup>	3IP 347V with Interact Pro <sup>2,3</sup>
			IP Interact Pro <sup>2,3</sup>
			LC Chicago Plenum <sup>2</sup>
			EM Emergency <sup>4</sup>

## Trim example: C4L15835NZ10U

Series	Lumens	CRI/CCT	Beam	Style	Reflector	Dimming	Voltage
<div></div>	<div></div>	<div></div>	<div>W</div>	<div></div>	<div></div>	<div></div>	<div>U</div>
Z4RDL 4-inch Round	05 500lm 10 1000lm 15 1500lm 20 2000lm 25 2500lm	827 80CRI / 2700K 830 80CRI / 3000K 835 80CRI / 3500K 840 80CRI / 4000K	W Wide	O Open downlight S Step baffle	CD Clear diffuse (applied finish) BK Black (matte) WH White (matte) DZ Dark Bronze (Q1 2019)	Z10 0–10V 1% L Lutron LDE1 EcoSystem (fade-to-black)	U Universal 120/277/347V
Z6RDL 6-inch Round	05 500lm 10 1000lm 15 1500lm 20 2000lm 25 2500lm 30 3000lm 35 3500lm					E ELV <sup>5</sup>	1 120V
						P Power over Ethernet (PoE) Compatible with 1000 (10) to 2500 (25) lumen options.	E Ethernet 48V DC

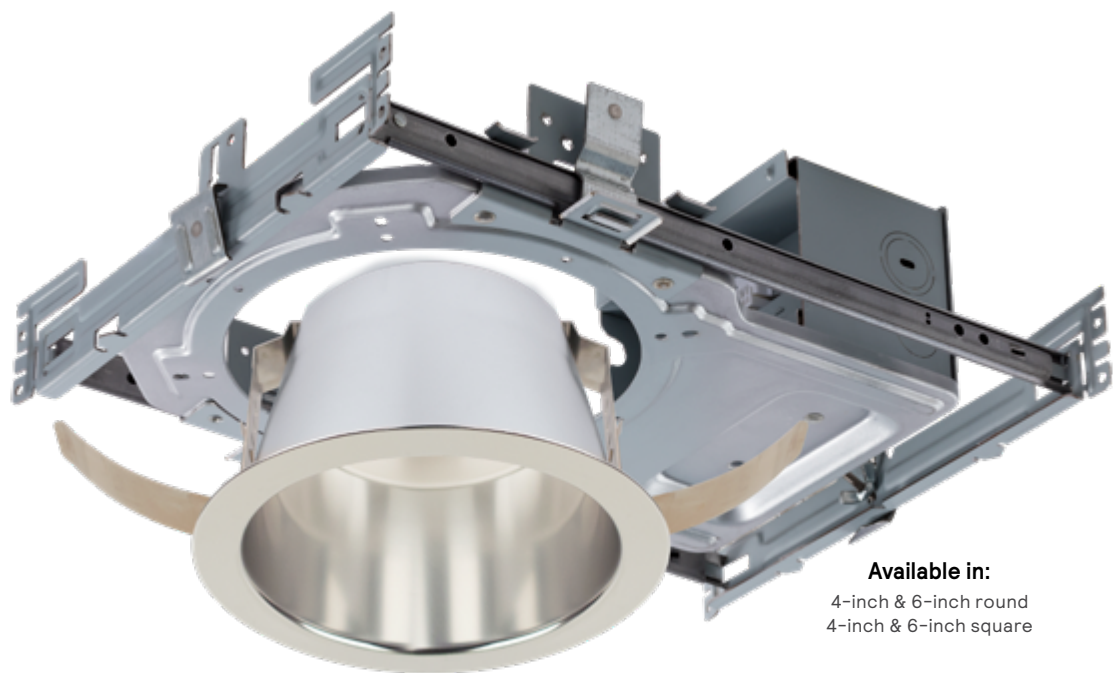
1. There is a 2000lm (20) limit with 4" (4RA) IC housings and a 3000lm (30) limit with 6" (6RA) IC housings.  
2. Interact Pro (IP), Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N) installations.  
3. Integral Interact Pro RF sensor enables network lighting control; to be specified with 0–10V light engines only.  
4. Emergency (EM) frame comes with emergency battery pack and ceiling mountable test switch.  
5. ELV (E) dimming is only compatible with 1000lm (10), 1500lm (15), 2000lm (20) configurations.

## Dimensions<sup>6</sup>

Installation	New construction (Non-IC)				Remodeler (Non-IC)				AirSeal (IC)			
Dimension	Height	Width <sup>7</sup>	Depth	Aperture	Height	Width	Depth	Aperture	Height	Width <sup>7</sup>	Depth	Aperture
4-inch Round	4 3⁄8" (111mm)	12 1⁄2" (318mm)	10 3⁄8" (264mm)	4 1⁄4" (108mm)	4 7⁄8" (124mm)	14 3⁄8" (365mm)	9 1⁄4" (235mm)	4 1⁄4" (108mm)	6 1⁄8" (156mm)	13 1⁄4" (337mm)	16 3⁄8" (416mm)	4 1⁄4" (108mm)
6-inch Round	4 3⁄8" (111mm)	15 1⁄2" (394mm)	10 3⁄8" (264mm)	5 3⁄4" (146mm)	4 7⁄8" (124mm)	17 5⁄8" (448mm)	10 1⁄2" (267mm)	5 3⁄4" (146mm)	7 1⁄4" (184mm)	13 1⁄4" (337mm)	19 5⁄8" (498mm)	5 3⁄4" (146mm)

6. Max ceiling thickness is 1.5" (38 mm) for 4" installations and 2" (51 mm), for 6" installations.  
7. Max new construction and airseal frame width is 24" (610 mm).

# LyteProfile LED downlights



**Available in:**  
4-inch & 6-inch round  
4-inch & 6-inch square

## Styles



**Downlight**  
with Clear reflector  
and Polished flange



**Downlight**  
with Comfort Clear Diffuse reflector  
and Polished flange



**Lensed wall wash**  
with Specular Clear reflector  
and Polished flange



**Lensed wall wash**  
with Black reflector and flange

## Finishes



**Specular clear**  
Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



**Comfort clear**  
Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



**Comfort clear diffuse**  
Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.



**White**  
Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).







**Black**  
Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).




# Ordering guide

Refer to footnotes at the bottom of the page for configuration restrictions.

## Frame (frame + trim = complete product) example: 4RN

Series	Apertures	Installations	Options
			
<b>4</b> 4-inch	<b>R</b> Round	<b>N</b> New construction (Non-IC)	<b>3</b> 347V
<b>6</b> 6-inch	<b>S</b> Square	<b>R</b> Remodeler (Non-IC)	<b>3IP</b> 347V with Interact Pro <sup>2,3</sup>
		<b>A</b> AirSeal (IC) <sup>1</sup>	<b>IP</b> Interact Pro <sup>2,3</sup>
			<b>LC</b> Chicago Plenum <sup>2</sup>
			<b>EM</b> Emergency <sup>4</sup>

## Trim example: C4L15835NZ10U

Series	Shape	Style	Lumens	CRI/CCT	Reflector	Flange	Dimming	Voltage
								
<b>P4</b> 4-inch	<b>R</b> Round	<b>DL</b> Downlight	<b>05</b> 500lm <sup>5</sup>	<b>827</b> 80CRI / 2700K	<b>CL</b> Specular clear <sup>7</sup>	<b>—</b> White (matte)	<b>Z10</b> 0-10V 1% Lutron LDE1	<b>U</b> Universal 120/277/347V
			<b>10</b> 1000lm	<b>830</b> 80CRI / 3000K	<b>CC</b> Comfort clear <sup>7</sup>			
			<b>15</b> 1500lm	<b>835</b> 80CRI / 3500K	<b>CD</b> Comfort clear diffuse <sup>7</sup>			
			<b>20</b> 2000lm	<b>840</b> 80CRI / 4000K	<b>BK</b> Black (matte) <sup>8</sup>			
			<b>25</b> 2500lm	<b>850</b> 80CRI / 5000K	<b>WH</b> White (matte) <sup>8</sup>			
<b>P6</b> 6-inch	<b>R</b> Round	<b>DL</b> Downlight	<b>05</b> 500lm <sup>5</sup>			<b>B</b> Black (matte)	<b>P</b> Power over Ethernet (PoE)	<b>E</b> Ethernet 48V DC
			<b>10</b> 1000lm					
			<b>15</b> 1500lm					
			<b>20</b> 2000lm					
			<b>25</b> 2500lm					
			<b>30</b> 3000lm					
			<b>35</b> 3500lm <sup>6</sup>					
			Compatible with 1000 (10) to 2500 (25) lumen options.					

- There is a 2000lm (20) limit with 4" (4RA) IC housings and a 3000lm (30) limit with 6" (6RA) IC housings.
- Interact Pro (IP), Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N) installations.
- Integral Interact Pro RF sensor enables network lighting control; to be specified with 0-10V light engines only.
- Emergency (EM) frame comes with emergency battery pack and ceiling mountable test switch.
- The 500lm (5) lumen option is not available with Lutron (L) dimming.
- The 3500lm (35) lumen option is only available in a Downlight (DL) style.
- Specular clear (CL), Comfort clear (CC) and Comfort clear diffuse (CD) finishes will be available in Q1 of 2019.
- The White (WH) and Black (BK) reflectors are painted aluminum, Black (BK) reflector comes with Black (B) flange only.

## Dimensions<sup>9</sup>

Installation	New construction (Non-IC)				Remodeler (Non-IC)				AirSeal (IC)			
Dimension	Height	Width <sup>10</sup>	Depth	Aperture	Height	Width	Depth	Aperture	Height	Width <sup>10</sup>	Depth	Aperture
4-inch Round	3 1/4" (83mm)	12 1/2" (318mm)	10 3/8" (264mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/4" (235mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/4" (235mm)	4 1/2" (114mm)
6-inch Round	4 1/8" (104mm)	15 1/2" (394mm)	10 3/8" (264mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 1/2" (267mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 1/2" (267mm)	6" (152mm)
4-inch Square	3 1/4" (83mm)	15 1/2" (394mm)	10 1/8" (257mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/2" (241mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/2" (241mm)	4 1/2" (114mm)
6-inch Square	4 1/8" (104mm)	16 1/2" (419mm)	12 7/8" (327mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 7/8" (276mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 7/8" (276mm)	6" (152mm)

- Max ceiling thickness is 1.5" (38 mm) for 4" installations and 2" (51 mm). for 6" installations.
- Max new construction and airseal frame width is 24" (610 mm).

Note: Consult factory for additional dimming options.

See LyteProfile specification sheets for more information.

# Calculite LED downlights



**Available in:**  
4-inch, 6-inch & 7-inch round



**Available in:**  
4-inch & 6-inch square

## Styles



**Downlight**  
with Comfort Clear reflector  
and Polished flange



**Lensed wall wash**  
with Specular Clear reflector  
and Polished flange



**Downlight**  
with Comfort Clear reflector  
and Polished flange



**Lensed wall wash**  
with Comfort Clear Diffuse reflector  
and Polished flange



Open, Double & Corner wall wash options also available

## Finishes



**Specular clear**  
Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



**Comfort clear**  
Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



**Comfort clear diffuse**  
Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.



**White**  
Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).







**Black**  
Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

Note: Champagne bronze is also available, semi-specular finish that softens the light at the source of the reflector while providing a warmer appearance (light output is slightly warmer).








# Ordering guide

Refer to footnotes at the bottom of the page for configuration restrictions.

Frame\* (frame + trim = complete product) example: 4RN

Series	Apertures	Installations	Options	
				
4 4-inch	R Round	N New construction (Non-IC)	— Universal 120/277V (specify for Power Over Ethernet)	3 347V (not ELV dimming compatible)
6 6-inch	S Square	R Remodeler (Non-IC)	EM Emergency <sup>2</sup>	3IP 347V with Interact Pro <sup>2,3</sup> (not ELV dimming compatible)
7 7-inch		A AirSeal (IC) <sup>1</sup>	LC Chicago Plenum <sup>2</sup>	IP Interact Pro <sup>2,3</sup>

Engine\* example: C4L15835NZ10U

Series	Lumens	CRI	CCT	Beam	Dimming	Voltage
						
C4L 4-inch	5 500lm <sup>4</sup>	8 80CRI	27 2700K	N Narrow	Z10 0-10V 1%	U Universal 120/277/347V
C6L 6-inch	10 1000lm	9 80CRI	30 3000K	M Medium		
	15 1500lm		35 3500K	W Wide	DMX Digital Multiplexing	
	20 2000lm		40 4000K		SOL EldoLED Solo 0-10V 0.1%	
	25 2500lm				D EldoLED Dali 1% dimming	
	30 3000lm				L Lutron LDE1 EcoSystem (fade-to-black)	
	35 3500lm <sup>5</sup>					
	48 3500lm <sup>5</sup>				E ELV <sup>6</sup>	1 120V
	60 6000lm <sup>5</sup>				P Power over Ethernet (PoE)	E Ethernet 48V DC
					Compatible with 1000 (10) to 2500 (25) lumen options.	

Trim\*

Series	Aperture	Style	Reflector	Flange
				
C4 4-inch	R Round	DL Downlight	CL Specular clear	— White (matte)
C6 6-inch	S Square	LW Lensed Wall Wash*	CC Comfort clear	P Polished <sup>7</sup> (aperture matching CL, CC, CD)
C7 7-inch		WW OpenWall Wash*	CD Comfort clear diffuse	F Flangeless
		CW Corner Wall Wash*	CZ Champagne bronze	
		DW Double Wall Wash*	BK Black (matte) <sup>7</sup>	
			WH White (matte) <sup>7</sup>	
		SL Shower Light (non-conductive for 4" and 6" apertures)	WH White (matte)	— Not applicable

1. There is a 2000lm (20) limit with 4" (4RA) IC housings and a 3000lm (30) limit with 6" (6RA) IC housings.  
2. Interact Pro (IP), Emergency (EM) and Chicago Plenum (LC) options are only available with New construction (N) installations.  
3. Integral Interact Pro RF sensor enables network lighting control; to be specified with 0-10V light engines only.  
4. The 500lm (5) lumen option is only compatible with 4" (C4L) configurations and 0-10V (Z10) dimming.  
5. The 3500lm (35), 4800lm (48) and 6000lm (60) lumen options are only available in 6" (C6L) configurations.  
6. ELV (E) dimming is only compatible with up to 2000lm (20) lumen 4" and 2500lm (25) lumen 6" & 7" configurations.  
7. The White (WH) and Black (BK) reflectors are painted aluminum, Black (BK) reflector comes with Black (B) flange only.

## Dimensions<sup>8</sup>

Installation	New construction (Non-IC)				Remodeler (Non-IC)				AirSeal (IC)			
Dimension	Height	Width <sup>9</sup>	Depth	Aperture	Height	Width	Depth	Aperture	Height	Width <sup>9</sup>	Depth	Aperture
4-inch Round	3 1/4" (83mm)	12 1/2" (318mm)	10 3/8" (264mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/4" (235mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/4" (235mm)	4 1/2" (114mm)
6-inch Round	4 1/8" (104mm)	15 1/2" (394mm)	10 3/8" (264mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 1/2" (267mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 1/2" (267mm)	6" (152mm)
4-inch Square	3 1/4" (83mm)	15 1/2" (394mm)	10 1/8" (257mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/2" (241mm)	4 1/2" (114mm)	4 7/8" (124mm)	14 3/8" (365mm)	9 1/2" (241mm)	4 1/2" (114mm)
6-inch Square	4 1/8" (104mm)	16 1/2" (419mm)	12 7/8" (327mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 7/8" (276mm)	6" (152mm)	4 7/8" (124mm)	17 5/8" (448mm)	10 7/8" (276mm)	6" (152mm)

8. Max ceiling thickness is 1.5" (38 mm) for 4" installations and 2" (51 mm). for 6" installations.  
9. Max new construction and airseal frame width is 24" (610 mm).

\* Additional restrictions apply please refer to Calculite specifcicaiton sheets for a complete listing.

