

LIGHTOLIER

by  Signify

No limits lighting design

Downlighting

Calculite 3"



More choices than ever before for **no-limits** lighting design

You love to light, layer and illuminate spaces that make a statement. You've been asking us for more options, a smaller aperture, one-frame... well, we listened.

All luminaires feature:

- New 3" aperture for the UniFrame series platform
- Round and Square apertures
- Downlight, Adjustable accent and Wall wash configurations
- New 1" regress trim options
- 2-step color consistency and 90 CRI as a standard
- Versatile installation options including; New construction Non-IC, AirSeal IC, and Remodeler
- Up to 1800 lumens delivered
- Adjustable accent provides 45° vertical aiming

It's what you wanted, it's what you got.

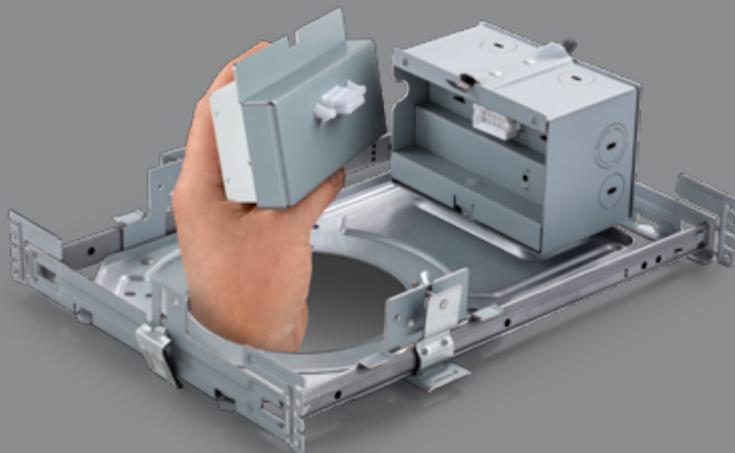




So many options...

the ease of one frame

The Lightolier UniFrame, single frame solution, is adaptable and was designed to respond to ever-changing project needs. Three of our downlight families use this frame, making your flexibility and choices almost endless.



Calculite LED 3"

Downlight and Wall wash

Lightolier has expanded your downlighting options with a new generation of Calculite 3" luminaires. Trim styles are now available in either deep or shallow. Deep trims offer superior cut-off and enhanced visual comfort, while the shallow

1" regress trims add a little brightness to the ceiling plane, creating a less formal effect. The 3" wall wash distributes 70% of light on the surface with a spacing ratio of 2:1. Designers will love the uniform light levels on the wall.



Round styles



Lensed wall wash, Downlight & Shallow downlight

All shown with Comfort clear reflector and Polished flange

Square styles



Lensed wall wash, Downlight & Shallow downlight

All shown with Comfort clear reflector and Polished flange

Finishes



Specular clear

Most specular and efficient finish, delivers maximum photometric performance. Can produce a mirror image effect of interior space.



Comfort clear

Semi-specular finish, softens light at the source in reflector while creating a subtle, even luminance from the reflector cone.



Champagne bronze

Semi-specular finish, softens light at the source in reflector while creating a warmer reflector appearance (light output is slightly warmer).



Comfort clear diffuse

Slightly diffuse clear finish, reduces the mirror image effect inherent with specular finishes and eliminates iridescence.



White

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



Black

Specular finish, provides lowest aperture brightness possible and reduces source identification in ceiling significantly (only offered with a black flange).

Note: Reference Calculite LED 3" specification sheets for examples of painted finishes.

Ordering guide

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

Frame (Frame + Engine + Trim = complete product)

example: 3RN

| Series | Installation | Option | |
|--|---|---|---|
| 3R 3" Round 3S 3" Square | N New construction (Non-IC) | – Universal (120V/277V) EM Emergency ¹ IP Interact Pro ² | LC Chicago plenum 3 347V (not compatible with ELV dimming) 3IP 347V with Interact Pro (for 0-10V engine only) ² |
| | A AirSeal (IC) 1000lm max ¹ | – Standard universal (120V/277V) ³ | S Shallow universal (120V/277V) ³ |
| Note: For remodeler installations, order light engine and trim only (no frame needed) | | | |

Engine

example: C3L10930NZ10U

| Series | Lumens | CRI | CCT | Beam | Dimming | Voltage | Plenum |
|------------------------|------------------|-----------------|-------------------------------------|---|---------------------|-----------------------------------|--|
| C3L | | 9 | | | | | |
| C3L 3" Aperture | 05 500lm | 9 90 CRI | 27 2700K | N Narrow (33°) round only M Medium (55°) round only W Wide (62°) round only S Square aperture (determined by trim) | Z10 0-10V 1% | U Universal (120/277/347V) | – Standard |
| | 07 750lm | | 30 3000K | | | | |
| | 10 1000lm | | 35 3500K | | E ELV | | |
| | 15 1500lm | | 40 4000K | | | 1 120V | |
| | 10 1000lm | 9 90 CRI | D2W 3000K-1800K ⁴ | | | | |
| | 07 750lm | 9 90 CRI | 27 2700K | N Narrow (33°) round only M Medium (55°) round only W Wide (62°) round only S Square aperture (determined by trim) | Z10 0-10V 1% | U Universal (120/277/347V) | R Remodeler ⁵ S Shallow ³ |
| | 10 1000lm | | 30 3000K | | | | |
| | | 35 3500K | 1 120V | | | | |
| | | 40 4000K | | | | | |

Trim

example: C3RDLCLP

| Series | Style | Beam | Reflector | Flange | Type |
|---|---|--|---|--|--|
| C3R 3" Round C3S 3" Square | DL Downlight (for remodeler & new construction) LW Lensed wall wash (for remodeler & new construction) | – Round aperture N Narrow (33°) square only M Medium (55°) square only W Wide (62°) square only | BK Black (anodized) round only CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze WH White (matte) WT Textured white (painted) BT Textured black (painted) BZ Bronze (painted) D Aluminum diffuse (painted) | – White (matte) P Matching reflector – White (matte) P Matching reflector | F Flangeless ⁶ F Flangeless ⁶ F Flangeless ⁶ S 1" regress cast aluminum (wide beam only) |
| | | Note: Beam spreads are for square Downlight only and are not used with Lensed wall wash configurations. | | | |

Accessories

| | |
|---------------|---|
| CA3RFT | Round mud-in ring for use in flangeless trim installations (ordered with a flangeless trim) |
| CA3SFT | Square mud-in ring for use in flangeless trim installations (ordered with a flangeless trim) |
| SWZDT | SpaceWise wireless controller with dwell time functionality (compatible with all 0-10V options, see SWZDT spec sheet) |
| SRAINT | InterAct Office accessory (for use with Lightolier UniFrame 0-10V products) |

- Emergency (EM) frame includes emergency battery with ceiling and reflector mountable test switch. Requires above ceiling access. Ceiling mount test switch only. (see spec sheet for details and limitations).
- InterAct Pro requires above ceiling access.
- Must order shallow IC frame, shallow engine and shallow trim for complete shallow assembly. Standard depth trims are compatible with shallow frame.
- Dim to Warm (D2W) configurations are for Non-IC frames only.
- For remodeler installations, order light engine and trim only (no frame needed).
- Flangeless options require CA3RFT (round aperture) or CA3SFT (square aperture) mud-in accessory for installation.

Recommendation: For best result specify Narrow (N) beam option for Lensed wall wash (LW) applications.

Note: Information may be subject to change, see Calculite LED 3" specification sheets for details and exclusions. Consult factory for additional dimming options.

Calculite LED 3"

Adjustable accent

The Calculite adjustable accent is sure to impress with its precision design. This meticulously engineered downlight is pre-adjusted to 22.5° out of the box, saving installation time. It can be vertically adjusted to 45° with three quick turns of a screwdriver and locked into place.

At just 4 7/8" installed, this accent is one of the shallowest on the market.* When you choose the new Calculite adjustable accent, you will enjoy increased design flexibility with field changeable optics and four different beam angles.



Round style



Adjustable accent

Shown with Comfort clear reflector and Polished flange

Square style



Adjustable accent

Shown with Comfort clear reflector and Polished flange

Finishes



Specular clear



Comfort clear



Champagne bronze



Comfort clear diffuse



White



Black

* Must order shallow IC frame, shallow engine and shallow trim for complete shallow assembly.

Note: Descriptions of all finishes are listed on page 2. Reference Calculite LED 3" specification sheets for examples of painted finishes.

Ordering guide

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

Frame (Frame + Engine + Trim = complete product)

example: 3RN

| Series | Installation | Option |
|--|---|--|
| 3R 3" Round 3S 3" Square | N New construction (Non-IC) | – Universal (120V/277V) LC Chicago plenum EM Emergency ¹ 3 347V (not compatible with ELV dimming) 3IP 347V with Interact Pro (for 0-10V engine only) ² IP Interact Pro ² 3 347V with Interact Pro (for 0-10V engine only) ² |
| | A AirSeal (IC) 1000lm max ¹ | – Standard universal (120V/277V) ³ S Shallow universal (120V/277V) ³ |
| Note: For remodeler installations, order light engine and trim only (no frame needed) | | |

Engine

example: C3RA10930NFZ10U

| Series | Lumen | CRI | CCT | Beam | Dimming | Voltage | Plenum |
|--|--|-----------------|---|--|---|--|--|
| C3LRA 3" Round aperture C3LSA 3" Round aperture | 05 500lm 07 750lm 10 1000lm 15 1500lm 18 1800lm | 9 90 CRI | 27 2700K 30 3000K 35 3500K 40 4000K | NS 12° Narrow spot SP 18° Spot NF 24° Narrow flood FL 36° Flood | Z10 0-10V 1% L Lutron PEQ0 (Dim to 0.1%) E ELV | U Universal (120/277/347V) 1 120V | – Standard |
| | 07 1000lm 07 750lm 10 1000lm | 9 90 CRI | D2W 3000K-1800K ⁴ 27 2700K 30 3000K 35 3500K 40 4000K | NS 12° Narrow Spot SP 18° Spot NF 24° Narrow Flood FL 36° Flood | Z10 0-10V 1% E ELV | U Universal (120/277/347V) 1 120V | R Remodeler ⁵ S Shallow ³ |

Trim

example: C3RACL P

| Series | Style | Reflector | Flange | Type |
|---|--|--|---|--|
| C3R 3" Round C3S 3" Square | A Adjustable accent AP Adjustable pinhole (pinhole is only available as a round trim in white with either a white or black bevel - consult factory for more info) Note: For Shower light option order LyteProfile (P3RSL) | BK Black (anodized) round only CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze round only WH White (matte) PH White (matte) round only WT Textured white (painted) BT Textured black (painted) BZ Bronze (painted) D Aluminum diffuse (painted) | – White (matte) F Flangeless ⁶ P Matching reflector – White (matte) F Flangeless ⁶ WH White (matte) BK Black (matte) P Matching reflector F Flangeless ⁶ | – Standard depth with 50° cutoff S 1" regress cast aluminum |

Accessories

- CA3RFT** Round mud-in ring for use in flangeless trim installations (ordered with a flangeless trim)
- CA3SFT** Square mud-in ring for use in flangeless trim installations (ordered with a flangeless trim)
- SWZDT** SpaceWise wireless controller with dwell time functionality (compatible with all 0-10V options, see SWZDT spec sheet)
- SRAINT** InterAct Office accessory (for use with Lightolier UniFrame 0-10V products)

- Emergency (EM) frame includes emergency battery with ceiling and reflector mountable test switch. Requires above ceiling access. Ceiling mount test switch only. (see spec sheet for details and limitations).
- InterAct Pro requires above ceiling access.
- Must order shallow IC frame and shallow engine for complete shallow assembly. Standard depth trims are compatible with shallow frame.
- Dim to Warm (D2W) engines are for Non-IC (N) frames only.
- For remodeler installations, order light engine and trim only (no frame needed).
- Flangeless (F) options require CA3RFT (round aperture) or CA3SFT (square aperture) mud-in accessory for installation.

Note: Information may be subject to change, see Calculite LED 3" specification sheets for details and exclusions. Consult factory for additional dimming options.

