LIGHTOLIER

by Signify

There's a reason why they call it a fan favorite...

LyteCaster LED

Downlights
with AccuRender technology

LyteCaster

Downlights

Lightolier is a global market leader widely recognized for its innovative LED lighting solutions with an unmatched commitment to technology leadership, reliability, visual appeal and high performance. LyteCaster LED downlight and adjustable luminaires provide comfortable, quality illumination. LyteCaster's shallow frame height fits into tight plenum spaces. A perfect option for multifamily residential applications, condo projects, hotels, healthcare facilities and more.

AccuRender LED Technology (CRI 90+)

The right light brings colors to life. Our new AccuRender technology helps ensure colors are rendered more accurately and consistently, while doing so as efficiently as CRI 80 products.

Standard CRI 80

Good color rendering and high efficacy

Standard CRI 90

Better color rendering and low efficacy

AccuRender

Best color rendering, color preference and high efficacy

Enjoy design flexibility

Full range of products and options:

- Available soon across Lightolier portfolio for application flexibility
- Multiple color temperatures (CCTs) and lumen packages are offered

Promote savings

High efficacy, with no penalty:

- Energy efficacy compares well to conventional 80 CRI
- Up to 25% more energy savings vs competitor 90 CRI[1]
- Helps meet Title 24 requirements

Show your true colors

High color rendering:
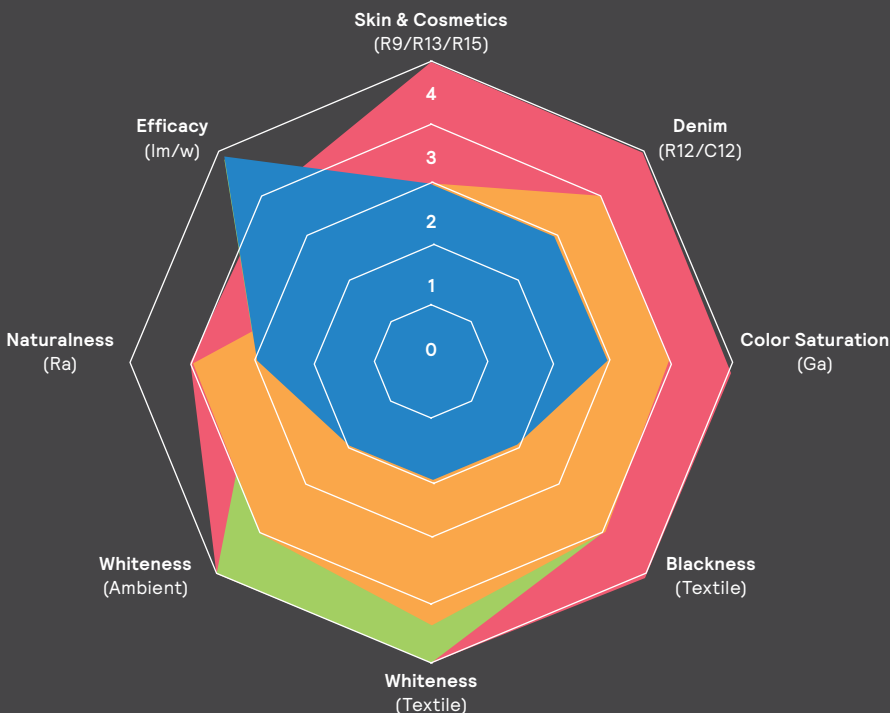
- True to life colors to help energize your environment and render better flesh tones critical for healthcare hospitality and retail applications.

- R_a up to 94 CRI
  R_9 up to 67 CRI
  G_a up to 99 CRI
  C_9 up to 94 CRI

- R_f up to 92 TM-30
  $R_{f,h1}$ up to 91 TM-30
  R_9 up to 100 TM-30
  $R_{cs,h1}$ up to -5% TM-30

Achieve color balance

Best in class color consistency:

- Promote aesthetic harmony in your space with ≤ 2 SDCM

LED Color Recipes (90CRI/3000K)

Crisp White

Dial-up the drama of your display. Highlight the variances in white tones, add contrast to blacks and create a real pleasing sparkle effect while retaining warm skin tones.

Premium White

The new benchmark for retail fashion. Delivering stronger and brighter whites via the best lighting technology on the market with minimal compromise to energy savings.

Premium Color

Enhance the contrast between colors and whites to achieve new depths of color rendering for a vibrant saturated fashion-forward visual experience that won't affect the atmosphere and will have a positive effect on energy efficiency.

Standard Color

Standard CRI 90

LED upgrade
with ease

LyteCaster LED downlight's adaptable design makes it a versatile lighting option. Now available with AccuRender 90+ CRI technology for the highest color quality at the highest efficacy.

This shallow 3½" luminaire height saves plenum space without compromising the 70° physical and reflected cutoff which results in no glare and a comfortable lighting experience for end-users. Luminaire design offers efficacy of up to 100lm/w.

Benefits

- Housings include 90° swivel mounting bar points and offset holes for applications close to joints for easy installation.

- Shallow 3.5" luminaire height saves plenum space making it ideal in residential and light commercial installations.

- An interchangeable and upgradeable modular light engine provides easy install that is ideal for renovation spaces.

- Low cost solution for slope ceiling and wall wash applications.

- Great for bathrooms and shower installations without the need for special lens design.

L4, L5, L6 LyteCaster LED

Downlights

Features

- **Efficacy:** up to 103 lm/w
- **Lumens:** 650 – 2000 lm
- **Watts:** 7 – 18 W (max)
- **CRI:** 90+
- **CCT:** 2700 – 5000 K
- **Volts:** 120V, 120V/277V (50/60Hz)
- **Lifetime:** 100,000 hrs (L80)

4" aperture   5" aperture   6" aperture

Housing Complete unit = Housing + Light engine + Trim (order each separately)

example: **L4R06AE1VA**

Series		Lumens		Installation		Dimming		Version **VB**	
L4R	LyteCaster 4" downlight	**06**	650 lm	**A**	New Construction w/ Screws	**E1**	Phase Control (ELV/TRIAC 120V)	**VB**	Version B
L4RA	LyteCaster 4" adjustable	**10**	1000 lm	**AN**	New Construction w/ Nails	**Z10U**	0–10V (Universal 120–277V)		
L5R	LyteCaster 5" downlight	**10**	1000 lm	**R**	Remodeler				
L5RA	LyteCaster 5" adjustable	**15**	1500 lm						
L6R	LyteCaster 6" downlight	**15**	1500 lm						
L6RA	LyteCaster 6" adjustable	**20**	2000 lm						

Light Engine

example: **L4R06927VA**

Series		Lumens		CRI/CCT		Finishes		Version **VB**	
L4R	LyteCaster 4" round downlight (compatible with square trims)	**06**	650 lm	**927**	90CRI / 2700K	**—**	Specified with Trim below (for downlight models only)	**VB**	Version B
		10	1000 lm	**930**	90CRI / 3000K				
L5R	LyteCaster 5" round downlight (compatible with square trims)	**10**	1000 lm	**935**	90CRI / 3500K				
		15	1500 lm	**940**	90CRI / 4000K				
L6R	LyteCaster 6" round downlight (compatible with square trims)	**15**	1500 lm	**950**	90CRI / 5000K				
		20	2000 lm						
L4RA	Lytecaster 4" round adjustable (trim is integrated)	**06**	650 lm	**927**	90CRI / 2700K	**W**	White Reflector / White Flange (integral to light engine for adjustable, do not specify Trim seperately)	**VB**	Version B
		10	1000 lm	**930**	90CRI / 3000K				
L5RA	Lytecaster 5" round adjustable (trim is integrated)	**10**	1000 lm	**935**	90CRI / 3500K				
		15	1500 lm	**940**	90CRI / 4000K				
L6RA	Lytecaster 6" round adjustable (trim is integrated)	**15**	1500 lm	**950**	90CRI / 5000K				
		20	2000 lm						

Trim (for downlights only)

example: **L4RDD**

Series		Finishes	
L4R	LyteCaster 4" round downlight	**DD**	Open Downlight / Clear Diffuse / White Flange
L4S	LyteCaster 4" square downlight	**DW**	Open Downlight / White Finish / White Flange
L5R	LyteCaster 5" round downlight	**BW**	Baffle Downlight / White Finish / White Flange
L5S	LyteCaster 5" square downlight		
L6R	LyteCaster 6" round downlight		
L6S	LyteCaster 6" square downlight		

Note: Version B frames and light engines are not compatible with previous versions.

cULus Listed Type I.C., frames are suitable for damp location and wet listed for use in covered ceilings. Complies with Air Leakage. 5 year warranty. ENERGY STAR® certified (excluding Crisp White, Premium White, and Premium Color configurations).
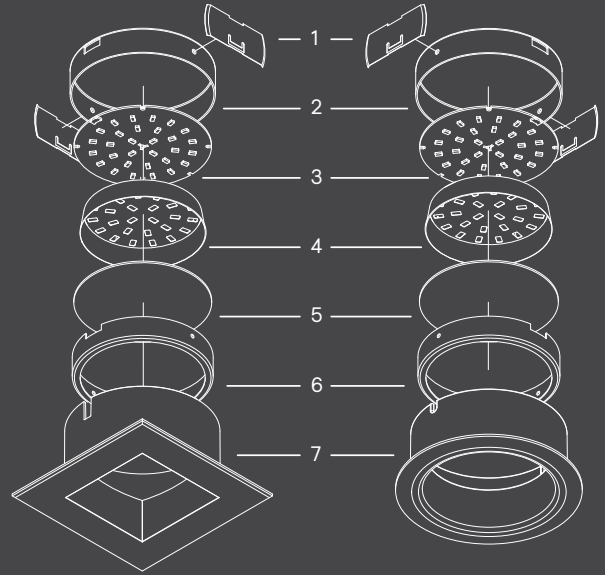
Cutting edge technology

Three-Part Downlighting System

The ideal general purpose downlighting solution, providing comfortable, quality light. Available with new construction and remodeler housings and interchangeable light engines that are offered in two lumen packages. This downlight is wet location listed and if offered in three standard trim finishes.

Components

1. **Retaining clips:** 29 gauge Stainless Steel, allows tool-less installation of light engine to trim.
2. **Engine housing:** (0.05") thick powder coated aluminum provides integrated thermal management allowing for a low profile at less than 3 ½" tall.
3. **LED board:** High efficiency mid-flux LED technology.
4. **Mixing chamber:** 98% reflective, highly diffuse film.
5. **Diffusion lens:** (0.06") thick acrylic opal lens provides an even source of illumination.
6. **Retaining ring:** (0.04") thick powder coated aluminum, secures module components.
7. **Reflector:** 30% glass reinforced injection molded polycarbonate is durable and provides a 70° cutoff to the source.

Housings

Light Engines

4" Light Engine   5" Light Engine   6" Light Engine

Trims

Open Downlight
Clear Diffuse
White Flange
(DD)

Open Downlight
White Finish
White Flange
(DW)

Baffle Downlight
White Finish
White Flange
(BW)

Open Downlight
Clear Diffuse
White Flange
(DD)

Open Downlight
White Finish
White Flange
(DW)

Baffle Downlight
White Finish
White Flange
(BW)

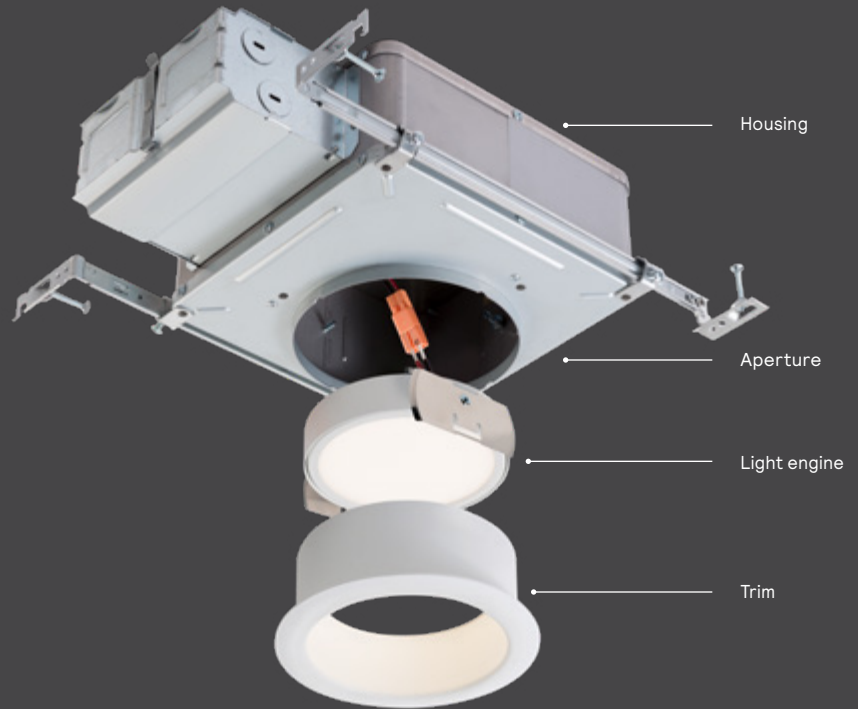White Reflector
White Flange
(adjustable)

Three-part system

Taking accent lighting to the next level

Housing offers multiple built-in contractor friendly features for easy installation.

Light engine provides a lightweight design featuring innovative mid-flux LED technology which eliminates pixilation and provides smooth, even illumination with simplified thermal management.

Complete unit consists of Housing, Light engine and Trim (order each separately).
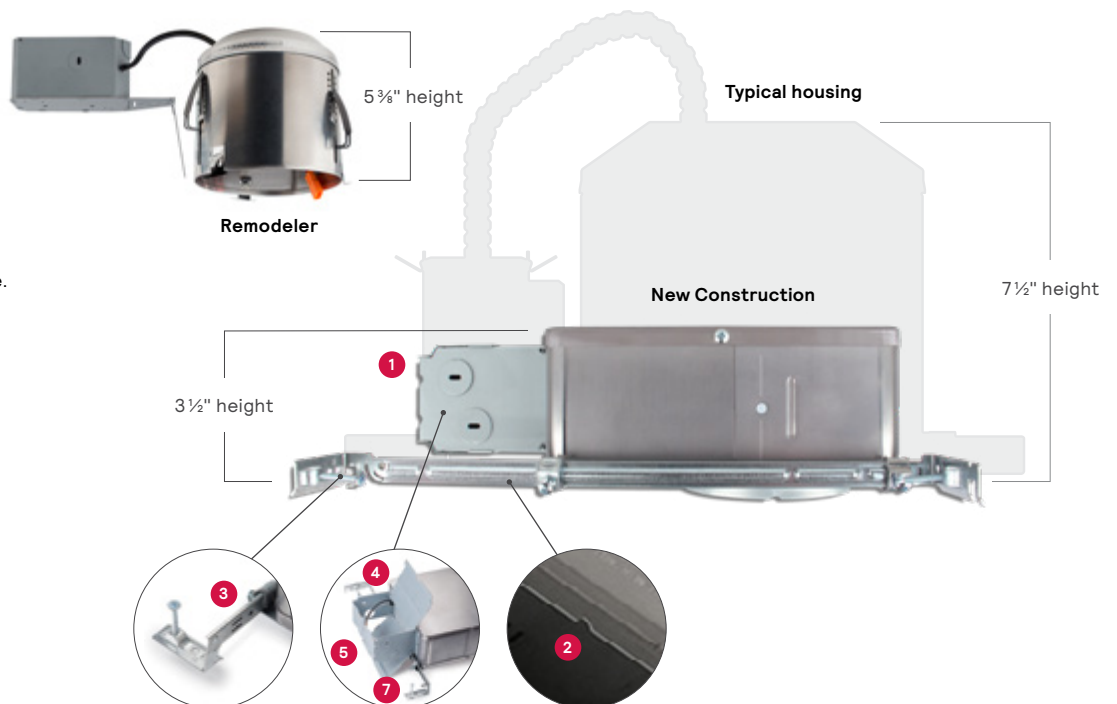
Housing

Aperture

Light engine

Trim

Features

Less stocking for distributors:
Easy mix and match of housing options, CCT / CRI LED light engine options, and trim finish options.*

Easy to upgrade and service:
Simple to replace trims in the field. Future proof LED light engine is easy to replace, modular and upgradeable.

Available with Screws or Nails:
Frames with Screws = A (L5RAE1)
Frames with Nails =AN (L5RANE1)

Contractor friendly installation:
1. Offset holes
2. Alignment notches
3. 90° swivel mounting bar points
4. Top access for open ceilings
5. Large junction box
6. Access from inside frame
7. Bottom access for ease of wiring and inspection

5⅜" height

Remodeler

Typical housing

New Construction

7½" height

3½" height

* Adjustable models are 2-part systems (housing and Light engine/Trim)

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