LIGHTOLIER

by Signify

Be seen in the best light

Comprehensive

2019 Lighting Catalog

LED

Our lighting story

Be seen in the best light

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. Now, we have made it even easier for you to choose the right lighting solution without investing considerable time or compromising your expectations. This means that you can confidently identify and implement the lighting solution to best suit your needs. This Lightolier LED comprehensive product offering provides you with a quick and easy way to select both downlighting and track lighting solutions that complement every lighting application.

Downlight luminaires

Specification-grade

Downlight luminaires

Performance-grade
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Decorative elements

Specification-grade

Track luminaires

Specification-grade
Performance-grade
Value-grade
Budget-grade

Contents

A journey through lighting

History

Through the years

1952 A first line of downlights

Named Calculite and featuring colouvered fresnel, a pinhole and ring louver.

Intro of the 1102 LyteCaster family and go-fast modular approach. Advent replaces Lytespan II track.

1980 Low Voltage takes over

1960 Track lighting

Adjustable and relocatable Lytespots, Lytespan transforms the lighting of museums, galleries, stores and homes

1983 Downlighting heats up

1961 Downlighting

Calculite introduces the Multi-groove baffle to leverage high output lamps while reducing aperture luminescence

1962 Improved installation

Intro of unitizes construction for adjustable accent and wall washers which offers fool proof installation

1964 Track innovations

Lytespan appears in 60th anniversary style book and architectural brochure. Product line includes surface track in anodized aluminum, pendants, recessed housing, Monopoint, Lytespots (including low voltage & dimmable).

1966 Lytespots expansion

Product line expands to 17 total lines

1968 Lytespan II

Two-circuit track system

1970 Lytespan comes of age

1950   **1960**   **1970**   **1980**

Driven by inspiration in architectural designs, Lightolier began over 120 years ago. In its early days the company specialized in decorative chandeliers, then made a shift to the high-end design and architectural markets. With its unmatched commitment to innovation and continuous market leadership, sixty years ago, Lightolier recognized the need for downlighting and track lighting product portfolio, taking the next step in defining the lighting industry.

As advancements in lighting technologies continue to transform, downlighting is no exception. In fact, downlighting was one of the first lighting applications to commercially embrace LED, with its long lifetimes, robust efficiency, sustainability and low energy cost. With the introduction of the Calculite LED 4' 1000 lm in 2009, this product ultimately became recognized as product innovation of the year, setting up the whole new standards for the modern downlighting industry. Over the years, the Lightolier LED downlighting portfolio has expanded, while representing the apex of industry leading flexibility, functionality and quality.

1990 PAR Halogen & Energy Smart
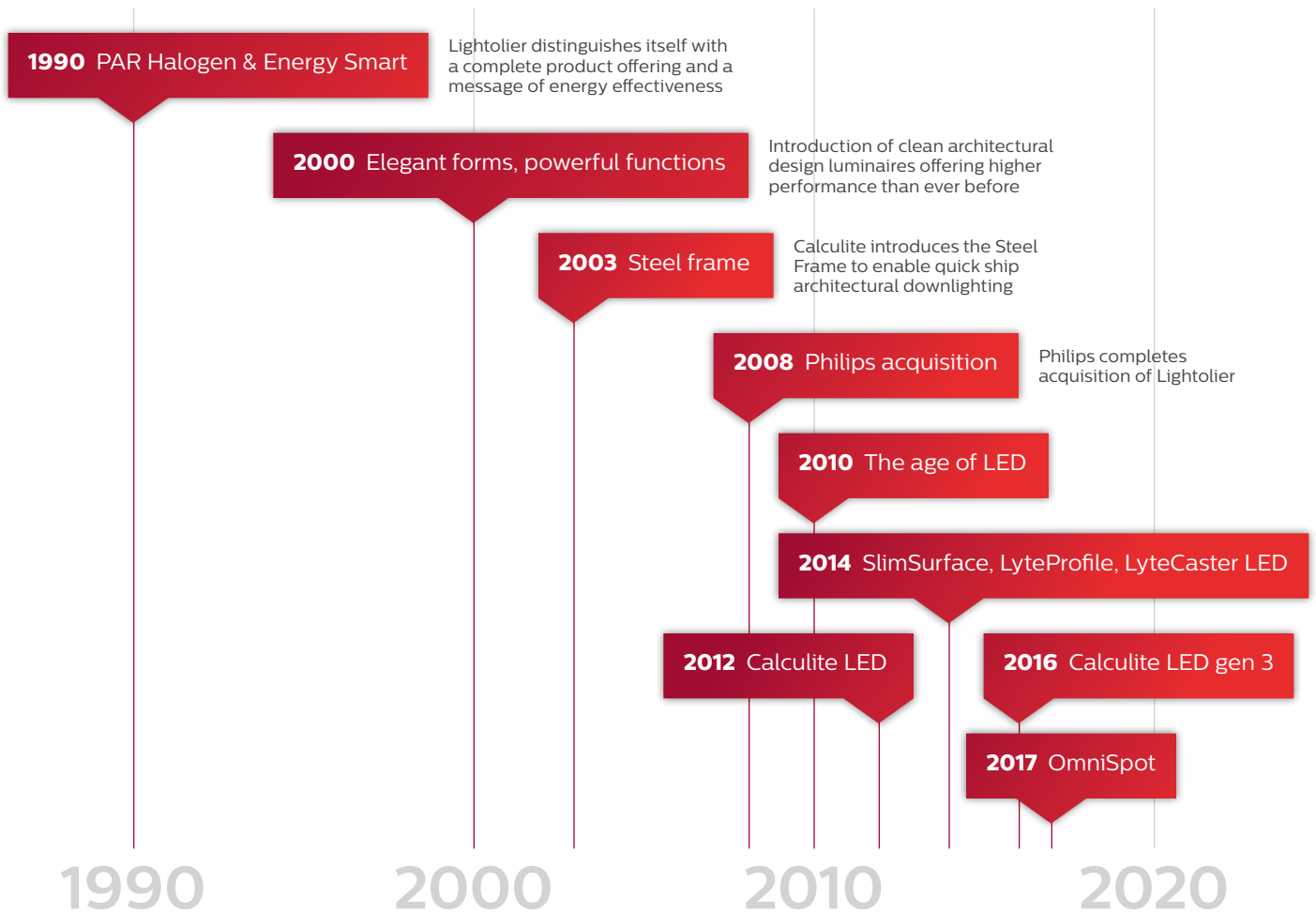
Lightolier distinguishes itself with a complete product offering and a message of energy effectiveness

2000 Elegant forms, powerful functions

Introduction of clean architectural design luminaires offering higher performance than ever before

2003 Steel frame

Calculite introduces the Steel Frame to enable quick ship architectural downlighting

2008 Philips acquisition

Philips completes acquisition of Lightolier

2010 The age of LED

2014 SlimSurface, LyteProfile, LyteCaster LED

2012 Calculite LED

2016 Calculite LED gen 3

2017 OmniSpot

1990   2000   2010   2020

The track story of Lightolier began over fifty years ago with the introduction of Lytespan, a forward– thinking product line featuring track luminaires called Lytespots that could be individually moved and adjusted anywhere on the track pole. In 1957, Lightolier recognized the market need for more efficient and advanced overhead lighting, so this product was adapted for ceiling applications. Originally intended for commercial use in museums and retail, Lytespan track lighting was soon in homes across America as people realized the flexibility that track offered to adapt lighting quickly to their needs. No matter how advanced the track luminaire technology has become over years, Lightolier makes a commitment to its customers to maintain compatibility and flexibility with any new product released with its track systems.

With its unmatched commitment to customers and continuous innovation, our LED lighting solutions continues to represent visual appeal while maintaining energy efficiency, maximum light performance and rated lifetime, so you can get the most out of indoor environments.

Applications
Effective uses of light
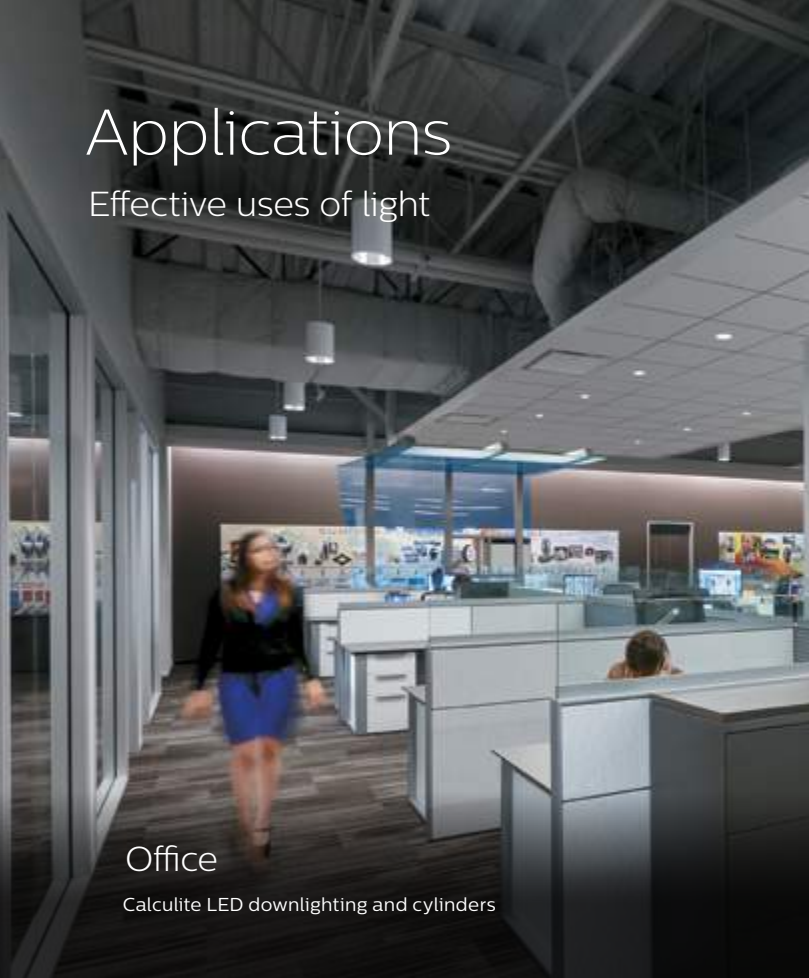
Office

Calculite LED downlighting and cylinders

Single Family Residential

LED Flat Downlight, Retrofit Downlight, Surface Mount
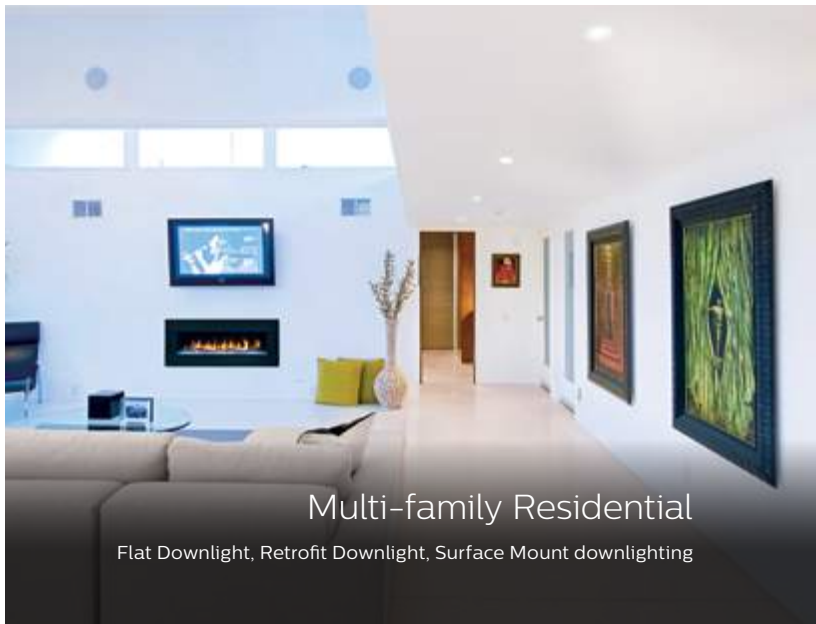
Multi-family Residential

Flat Downlight, Retrofit Downlight, Surface Mount downlighting

Hotels

SlimSurface LED 10" downlighting

Restaurants

LyteCaster LED and LyteCaster LED accent downlighting

Assisted Living Facilities

SlimSurface LED and LyteCaster LED downlighting

Auditoriums

Calculite LED downlighting and Alcyon LED track lighting
(high ceiling applications)

Grocery/Big Box Retail

Track lighting

Healthcare

Calculite LED and LyteProfile LED downlighting

Retail

Calculite LED downlighting and OmniSpot recessed multiple

Downlight luminaires
Making your selection

	Micro 1.75"	Evolution 3"	Adj. Accent 4"	Calculite 4"	Calculite 6"	Calculite 7"	Cylinder 4" / 6"
	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Specification-grade							
Trims							
Styles	○ 1.75" □ 1.75"	○ 3"	○ 4"	○ 4" □ 4"	○ 6" □ 6"	○ 7"	○ 4" & 6"
Flanges	Polished Flangeless	Polished Flangeless White*	Polished Flangeless White*	Polished Flangeless White*	Polished Flangeless White*	Polished Flangeless White*	**Cylinder finishes:** Aluminum White* & Black*
Apertures	Comfort clear diffuse Champagne bronze White* & Black*	Satin Aluminum Specular clear Comfort clear Comfort clear diffuse Champagne bronze White* & Black*	Specular clear Comfort clear Comfort clear diffuse Champagne bronze White*	Specular clear Comfort clear Comfort clear diffuse Champagne bronze White* & Black*	Specular clear Comfort clear Comfort clear diffuse Champagne bronze White* & Black*	Specular clear Comfort clear Comfort clear diffuse Champagne bronze White* & Black*	Specular clear Comfort clear Comfort clear diffuse Champagne bronze Black*
Reflectors	–	Fresnel Spot Spot Narrow Flood Flood Wide Flood	Tight Spot Spot Narrow Flood Flood	Downlight (narrow) Downlight (medium) Downlight (wide) Open Wall Wash Lensed Wall Wash Corner Wall Wash Double Wall Wash Shower light	Downlight (narrow) Downlight (medium) Downlight (wide) Open Wall Wash Lensed Wall Wash Corner Wall Wash Double Wall Wash Shower light	Downlight (narrow) Downlight (medium) Downlight (wide) Open Wall Wash Lensed Wall Wash Corner Wall Wash Double Wall Wash	Downlight (narrow) Downlight (medium) Downlight (wide) Open Wall Wash Double Wall Wash
Types	Downlight (50° cutoff) Downlight (75° cutoff) Lensed Wall Wash	Downlight Downlight Pinhole Adjustable Accent Adj. Accent Pinhole Lensed Wall Wash	Adjustable Accent				
Beams	26° to 51° (4 options)	12° to 30° (6 options)	11° to 29° (4 options)	43° to 76° (6 options)	38° to 72° (6 options)	40° to 72° (3 options)	40° to 76° (6 options)
Performance							
Applications	Commercial, Architectural and High-end residential			Commercial, Architectural and High-end residential			
Lumens	400, 900	1000	1500	500, 1000, 1500, 2000, 2500, 3000	1000, 1500, 2000, 2500, 3500, 4800, 6000	1000, 1500, 2000, 2500, 3500, 4800, 6000	500, 1000, 1500, 2000, 2500, 3000, 3500, 4800, 6000
Watts	14W	13W	27W	10-15W	19-57W	21-57W	6-57W
Efficacy	up to 85 lm/W	up to 75 lm/W	up to 64 lm/W	up to 115 lm/W	up to 115 lm/W	up to 115 lm/W	up to 115 lm/W
CCTs (K)	2700, 3000, 3500, 4000			2700, 3000, 3500, 4000			
CRIs	80 (400 lm), 90 (900 lm)	80, 90	80, 90	80, 90	80, 90	80, 90	80, 90
Lifetime	90,000 hrs (L90)	50,000 hrs (L70)	36,000 hrs (L70)	60,000 hrs (L90)	60,000 hrs (L90)	60,000 hrs (L90)	60,000 hrs (L90)
Technology							
Dimming	0-10V, ELV	0-10V, ELV, Lutron	0-10V, Lutron	0-10V, EldoLED, DMX, DALI, Lutron, ELV, PoE, Tunable White	0-10V, EldoLED, DMX, DALI, Lutron, ELV, PoE, Tunable White	0-10V, EldoLED, DMX, DALI, Lutron, ELV, PoE	0-10V, EldoLED, DMX, DALI, Lutron, ELV
Emergency	–	–	–	Remote EM test switch Integral EM test switch	Remote EM test switch Integral EM test switch	Remote EM test switch Integral EM test switch	–
Accessories	Mud-in ring Mounting Pan IC frame	Mud-in ring	Mud-in ring Diffusion films Beam spreader Hex cell louver	Mud-in ring, EM pack, Actilume, SpaceWise, Vandal-proof (IP65), Sloped ceiling	Mud-in ring, EM pack, Actilume, SpaceWise, Vandal-proof (IP65), Sloped ceiling	Mud-in ring, EM pack, Actilume, SpaceWise	Wall mount Pendant w/stem kit Pendant w/cable kit
Installations	New Construction, Remodeler, Wet locations	New Construction, Damp locations	New Construction, Damp locations	New Construction, Remodeler, Retrofit Chicago Plenum, Wet locations	New Construction, Remodeler, Retrofit Chicago Plenum, Wet locations	New Construction, Remodeler, Retrofit Chicago Plenum, Wet locations	New Construction, Wet locations
Labels	cULus listed, IC & Title 24 rated, Airseal IC rated, ENERGY STAR®	cULus listed, IC & Title 24 rated, Airseal IC rated, ENERGY STAR®	cULus listed, IC & Title 24 rated, Airseal IC rated, ENERGY STAR®	cULus listed, CCEA, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®	cULus listed, CCEA, IC & Title 24 rated Airseal IC rated, RoHS, ENERGY STAR®	cULus listed, CCEA, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®	cULus listed, CCEA, IC & Title 24 rated, RoHS, ENERGY STAR®
Warranty	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited

* White is a painted matte finish and Black is a painted gloss finish.

★★★★ ★★★★⯪ ★★★ ★★★ ★★★ ★★★

	Performance-grade		Value-grade			
	LyteProfile	**EasyLyte**	**LyteCaster**	**Accent**	**SlimSurface**	**CorePro LED**
Trims						
Styles	○ 4", 6" □ 4", 6"	○ 4", 6"	○ 4", 5", 6" □ 4", 5", 6"	○ 3" □ 3"	○ 5", 7", 10" □ 4", 6"	○ 4", 5", 6"
Flanges	Polished White* & Black*	White*	Matches Aperture	Matches Aperture	Matches Aperture	Matches Aperture
Apertures	Specular clear Comfort clear Comfort clear diffuse White* & Black*	Comfort diffuse Dark Bronze White* & Black*	Clear diffuse White*	Aluminum White* & Black* Chrome Diffuse	Aluminum White* & Black* Metal (10" only)	White*
Reflectors	–	Open Step baffle	Open Step baffle	Downlight Baffle Downlight Adjustable Baffle Adjustable Adjustable Pinhole Lensed Wall Wash Gimbal Shower Light	–	–
Types	Downlight Lensed Wall Wash	Downlight	Downlight Baffle Downlight Adjustable		Downlight	Downlight
Beams	Wide	Wide	Wide	Wide	Wide	Wide
Performance						
Applications	Residential, Hospitality and Light commercial		Residential, Hospitality and Light commercial		Residential and Hospitality	
Lumens	500 (4" only), 1000, 1500, 2000, 2500, 3000 & 3500 (6in only)	500, 1000, 1500, 2000, 2500	650, 700, 800, 1000, 1500, 2000	800	650, 1000, 2200	4": 800 5": 950 6": 800 & 1200
Watts	7-20 W	7-20 W	7-20 W	7-20 W	9-28 W	11-16 W
Efficacy	up to 100 lm/W	up to 100 lm/W	up to 90 lm/W	up to 90 lm/W	up to 94 lm/W	up to 89 lm/W
CCTs (K)	2700, 3000, 3500, 4000		2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	3000, 4000
CRIs	80, 90	80, 90	80, 90	80, 90	80, 90	80, 90
Lifetime	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)
Technology						
Dimming	0-10V, EldoLED, DALI, Lutron, PoE	0-10V, EldoLED, DALI, Lutron, PoE	0-10V, ELV, TRIAC	0-10V, ELV, TRIAC	0-10V, ELV, TRIAC	TRIAC
Emergency	Available	Available	–	–	–	–
Accessories	–	–	–	–	–	–
Installations	New Construction Wet locations	New Construction Wet locations	Wet locations	CrispWhite Wet locations	Wet locations	Wet locations
Labels	cULus listed, Title 24 rated, ENERGY STAR®	cULus listed, Title 24 rated, ENERGY STAR®	cULus listed, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®	cULus listed, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®	cULus listed, Title 24 rated, RoHS, ENERGY STAR®	cULus listed, Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®
Warranty	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited

★★ ★★ ★★ ★★

	Budget-grade			
	Surface-mount downlight	**Retrofit downlight**	**Flat downlight**	**Mini Downlight & Mini Gimbal**
Trims				
Styles	○ 5", 7"	○ 4", 5/6"	○ 4", 6" □ 4", 6"	○ 3"
Flanges	Matches Aperture	Matches Aperture	Matches Aperture	Matches Aperture
Apertures	White*	White*	White*	White*
Reflectors	–	–	–	–
Types	Downlight	Downlight Baffle	Downlight	Downlight Gimbal
Beams	Wide	Wide	Wide	Wide
Performance				
Applications		Residential and Hospitality		
Lumens	700, 1000	900, 1400	700, 900	550
Watts	10–15W	12–18W	12–15W	8W
Efficacy	up to 69 lm/W	up to 78 lm/W	up to 60 lm/W	up to 69 lm/W
CCTs (K)	3000	3000	3000	3000
CRIs	90	90	90	90
Lifetime	50,000 hrs (L70)	42,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)
Technology				
Dimming	TRIAC	ELV, TRIAC	ELV, TRIAC	TRIAC
Emergency	–	–	–	–
Accessories	–	–	–	–
Installations	New Construction Remodeler Wet locations	New Construction Remodeler Wet locations	New Construction Remodeler Wet locations	New Construction Remodeler Wet locations
Labels	cETLus listed, IC & Title 24 rated, RoHS, ENERGY STAR®	cULus listed,, IC & Title 24 rated, RoHS, ENERGY STAR®	cULus listed,, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®	cETLus listed,, IC & Title 24 rated, Airseal IC rated, RoHS, ENERGY STAR®
Warranty	5-year limited	5-year limited	5-year limited	5-year limited

Decorative elements

Making your selection

Specification-grade	
Micro Vetro 1.75"	**Vetro 4" & 6"**
Features	
Styles	⭕ 1.75" ⬜ 1.75"	⭕ 4" & 6"
Materials	Comfort clear diffuse reflector with acrylic or glass element and satin aluminum accents	
Applications	Commercial, Architectural and High-end residential	
Installations	New Construction, Remodeler, Retrofit, Chicago Plenum, Damp locations	

Specification-grade			
Vetro PM pendant	**Vetro PS pendant**	**Vetro PS pendant**	**Vetro PW sconce**
Features			
Styles	Suspended Pendant	Suspended Pendant (cylindrical)	Suspended Pendant (conical)	Wall Sconce
Materials	Frosted glass and satin aluminum	Frosted glass and satin aluminum	Frosted glass and satin aluminum	Frosted glass and satin aluminum
Apertures	Frosted glass / transparent glass element and satin aluminum accents			
Performance			
Applications	Commercial, Architectural and High-end residential	Commercial, Architectural and High-end residential	Commercial, Architectural and High-end residential	Commercial, Architectural and High-end residential
Lumens	1000	400	400	400
Watts	24W	8W	8W	8W
CCTs (K)	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000
CRIs	80	80	80	80
Lifetime	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)
Technology			
Dimming	0-10V	0-10V	0-10V	0-10V
Accessories	10ft Cable / Cord kit, Stem kit, Track mount kit, Surface mount kit	10ft Cable / Cord kit, Stem kit, Track mount kit, Surface mount kit	10ft Cable / Cord kit, Stem kit, Track mount kit, Surface mount kit	–
Installations	New Construction Damp location	New Construction Damp location	New Construction Damp location	New Construction Damp location
Labels	cULus listed	cULus listed	cULus listed	cULus listed

For more information on the complete Lightolier product offering visit **www.philips.com/lightolier** or contact your local Philips representative.

Track luminaires

Making your selection

★★★★★ ★★★★★ ★★★★★ ★★★★ ★★★★

	Specification-grade				
	Alcyon vertical	**Alcyon** recessed multiple	**Alcyon** horizontal	**OmniSpot**	**OmniSpot** recessed multiple
Features					
Finishes	Aluminum White* & Black*	White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*
Adapters	Lightolier Prospec Halo Juno	–	–	Lightolier Prospec Halo Capri Juno Global	–
Optics	Interchangeable	Interchangeable	Interchangeable	Interchangeable	Interchangeable
Reflectors	Narrow Spot Spot Narrow Flood Flood	Narrow Spot Spot Narrow Flood Flood	Spot Narrow Flood Flood	Narrow Spot Spot Narrow Flood Flood	Narrow Spot Spot Narrow Flood Flood
Beams	10˚ to 36˚ (4 options)	10˚ to 36˚ (4 options)	13˚ to 28˚ (3 options)	11˚ to 36˚ (4 options)	11˚ to 36˚ (4 options)
Performance					
Applications	Commercial, Architectural, Hospitality, Retail and High-end residential	Commercial, Architectural, Hospitality, Retail and High-end residential	Commercial, Architectural, Hospitality, Retail and High-end residential	Commercial, Hospitality, Retail and Residential	Commercial, Hospitality, Retail and Residential
Lumens	600, 1000, 2000, 3000	600, 1300, 2000	1100	600, 1000, 2000	600, 1000
Watts	10-34W	10-30W	15W	6-25W	6-12W
Efficacy	up to 93 lm/W	up to 60 lm/W	up to 78 lm/W	up to 108 lm/W	up to 83 lm/W
CCTs (K)	2700, 3000, 4000	2700, 3000, 4000	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000	2700, 3000, 3500, 4000
CRIs	80, 90	80, 85	80, 90	80, 90	80, 90
CBCP	Up to 46,000cd	Up to 14,400cd	Up to 11,700cd	Up to 30,000cd	Up to 8,700cd
Lifetime	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)
Technology					
Dimming	ELV	0-10V	ELV	ELV	0-10V
Mounting	Track	Recessed	Track	Track	Recessed
Accessories	Accessory holder Snoot Diffusion filters/films Hex cell louver	Accessory holder Snoot Diffusion filters/films Hex cell louver	Accessory holder Snoot Diffusion filters/films Hex cell louver	Accessory holder Snoot Diffusion filters/films Hex cell louver	Accessory holder Snoot Diffusion filters/films Hex cell louver
Installations	New construction CrispWhite	New construction	New construction CrispWhite	New construction CrispWhite PremumColor	New construction CrispWhite
Labels	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®
Warranty	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited

For more information on the complete Lightolier product offering visit **www.philips.com/lightolier** or contact your local Philips representative.

* White is a painted matte finish and Black is a painted gloss finish.

	Performance-grade			Value-grade		
	Spot LED	**Spot LED** recessed multiple	**LightFlood**	**Gimbal LED**	**CorePro LED**	**Track Head**
Features						
Finishes	Aluminum White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*	Aluminum White* & Black*
Adapters	Lightolier GES Halo GTek Juno HTek	–	–	–	Lightolier Capri Juno Halo	Lightolier Juno
Optics	Integrated	Integrated	Integrated	Interchangeable	Integrated	Integrated
Reflectors	Spot Narrow Flood Flood	Spot Narrow Flood Flood	–	(determined by PAR30/38)	Narrow Flood Wide Flood	Narrow Spot Spot Narrow Flood Flood
Beams	8° to 40° (3 options)	9° to 32° (3 options)	100°	(determined by PAR30/38)	23 to 35° (2 options)	15 to 36° (4 options)
Performance						
Applications	Commercial, Hospitality and Retail	Commercial, Hospitality and Retail	Commercial, Hospitality Healthcare and Retail	Commercial, Hospitality and Residential	Commercial, Hospitality and Residential, Retail	Commercial, Hospitality and Residential, Retail
Lumens	600, 1000, 2000, 3000	1000, 1600	2000, 4000	(determined by PAR30/38)	1000	600, 1000
Watts	10-39W	13-22W	23W	(determined by PAR30/38)	6-12W	6-12W
Efficacy	up to 78 lm/W	up to 84 lm/W	up to 100 lm/W	(determined by PAR30/38)	Up to 107 lm/W	Up to 90 lm/W
CCTs (K)	2700, 3000, 4000	2700, 3000, 4000	3000, 4000	(determined by PAR30/38)	2700, 3000	3000
CRIs	80, 85	80, 85	80	(determined by PAR30/38)	80, 90	90
CBCP	Up to 70,000cd	Up to 28,000cd	Up to 900cd	(determined by PAR30/38)	Up to 2,900cd	Up to 12,300cd
Lifetime	54,000 hrs (L70)	50,000 hrs (L70)	50,000 hrs (L70)	(determined by PAR30/38)	50,000 hrs (L70)	40K to 60K hrs (L70)
Technology						
Dimming	ELV	Consult factory	ELV, TRIAC	–	ELV	0-10V
Mounting	Track	Recessed	Track	Track	Track	Track
Accessories	–	–	–	–	–	Accessory holder Snoot Diffusion filters/films Hex cell louver
Installations	New construction	New construction	New construction	New construction	New construction CrispWhite PremumColor	New construction
Labels	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®	cULus listed	cULus listed	cULus listed, ENERGY STAR®	cULus listed, ENERGY STAR®
Warranty	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited	5-year limited

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Downlight luminaires

Always moving forward

Lightolier, driven by inspiration in architectural designs, began over 120 years ago and in 1952 launched the Calculite product line which became the designers' choice for professional-grade downlighting. Calculite LED entered the market in 2009 and provided new opportunities in product design and development. The Calculite family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Today, Calculite LED continues to represent visual appeal and efficient performance, allowing you to maximizing the impact of light and to get the most out of indoor environments.

Specification–grade

Specification–grade (gen 3)

The Calculite difference

Experience the difference

Visual comfort

Cuffoff angles are not always what they seem, which can affect your overall design and comfort. Lightolier measures true downlight cutoff angles at the downlight's widest bright point to ensure maximum luminaire efficacy and comfort for those in the space. Sub-standard manufacturers measure to the light source, which reduces performance levels and creates uncomfortable glare.

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

Quality of light

Calculite's soft beam transitions provide consistent visual comfort, exceptional optical control, and extraordinary mechanical precision. Calculite delivers a true 50° physical and 45° reflected cutoff for reduced aperture brightness and an unobtrusive ceiling presence.

50°   50°
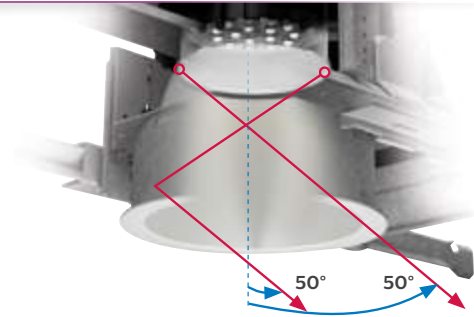
Performance

Calculite LED feature an LED array of high brightness white light LEDs. The LED boards in Calculite LED luminaires ensure a less than 2-step SDCM color variation between luminaires.

Specification-grade
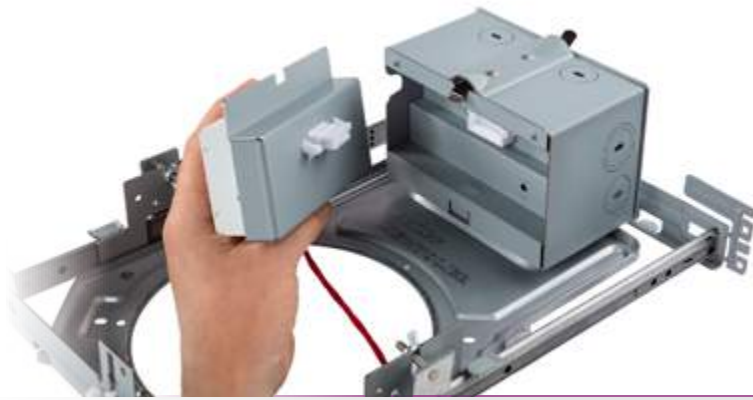
Efficient installation

Lightolier extends downlight excellence through a simplified installation process, with no requirements for specialized tools with installation. The Calculite LED unique three-part system of frame, driver/light engine, and reflector (multiple patents pending) allows you to get the installation started sooner while providing highly configurable solutions to showcase your unique lighting vision.

Future proof

With a fully upgradeable architecture, Calculite LED modular downlights may be conveniently serviced and upgraded at any time without having to access the ceiling.

Architectural appeal

Vetro decorative elements provide simple forms that can be used creatively to meet your design needs and elegant luminaries that are encased glass. This European hand blown glass works to provide the richest and smoothest accent of light to your design space. These decorative elements provide a practical lighting tool in a sophisticated envelope. Vetro's refined design provides a fresh aesthetic to meet your architectural needs.

Specification-grade

Calculite 1.75" Micro

round & square apertures

Powerful. Affordable. Versatile.

Calculite LED 1.75" Micro beam spread options for the standard trims are 25°, 30°, 45°, and 50°. Downlights feature 50° and 75° cutoffs and the wall wash option features an integral lens. Micro Vetro decorative elements are optimized for 25° beams.

Features

- Sizes: 1.75"
- Efficacy: up to 85 lm/W
- Lumens: 900
- Wattage: 14 W
- Voltage: 120V & 120/277V

- CCT: 2700K–4000K
- CRI: 90 min.
- Dimming: 0-10V, ELV
- 90,700 hour rated life (L90)

Frame/Engine + Trim + Micro Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Frame/Engine

Series/Size	Lumens	Style	CCT/CRI	Installation	Voltage/Dimming
C2L	**09**	**DL**		**R**	
C2L Calculite 1.75-inch	09 900lm	DL Flanged	927K 2700K / 90CRI 930K 3000K / 90CRI 935K 3500K / 90CRI 940K 4000K / 90CRI	R Installs from below	E1 120V / NA UZ10V Universal / 0-10V

Trim

Series/Size	Style	Reflector	Flange	
				Comfort clear diffuse reflector is standard. Compatible with all open and lensed reflectors. Other finishes are available. Please contact factory.
C2L Calculite 1.75-inch round	DL Downlight (50° cutoff) DLLS Downlight (75° cutoff with linear spread lens) LW Lensed wall wash[1]	CCD Comfort clear diffuse CCZ Champagne bronze BK Black (matte) WH White (matte)[1]	P Polished[1] FT Flangeless[2]	
C2X2L Calculite 1.75-inch square	DL Downlight (50° cutoff) LW Lensed wall wash[1]	BK Black (matte) WH White (matte)[1]	P Polished[1] FT Flangeless[2]	

Micro Vetro

Series/Size	Aperture	Style
D	**2L**	
D Decorative elements	2L 1.75-inch aperture	R01 Round acrylic w/alum. insert R02 Round acrylic R03 Round glass S01 Square acrylic S02 Square glass

Accessories[3]

C2LIC	IC frame (new construction)
C2LMP	New construction mounting pan
CA2FMR CA2X2FMR	Round aperture flush-mount mud-in ring Square aperture flush-mount mud-in ring

1. The 25° beam spread is recommended (A).
2. Requires flush-mount mud-in ring (CA2FMR or CA2X2FMR).
3. Recommended for specific applications, see C2L spec sheet for details.
Note: Calculite LED 1.75" Micro 400lm is also available (see C2L04 spec sheet for details).

Top View
2⅝" 67mm
2" 50mm

10⅞" (standard installation)
11" (when fully extended)

Side View
6" 152mm
4¾" 121mm

Front View

5⁷⁄₁₆" 138mm
5⅞" 149mm
2¼" 57mm

Ceiling Line

2⅛" 54mm
1¾" 44mm
2⅛" 54mm
2½" 64mm

1.75" Downlight

Round and Square apertures
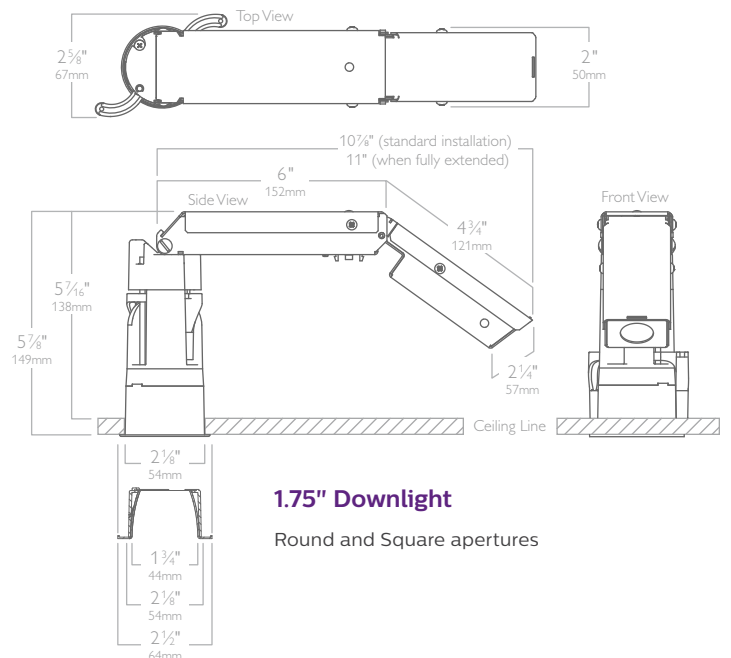
Add detail and style to any space with Calculite LED 1.75" aperture downlights and optional Micro Vetro elements.

Square acrylic

D2LS01 Micro Vetro decorative element

Square glass

D2LS02 Micro Vetro decorative element

Round acrylic

D2LR01 Micro Vetro decorative element with aluminum insert

Round acrylic

D2LR02 Micro Vetro decorative element

Round glass

D2LR03 Micro Vetro decorative element
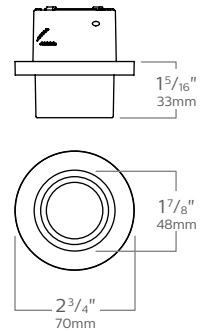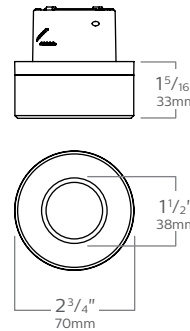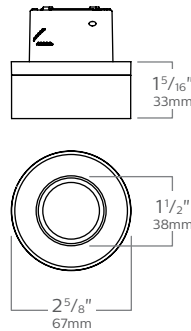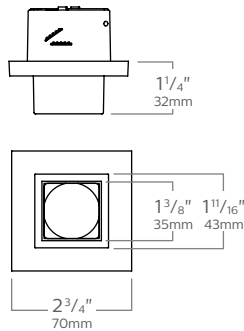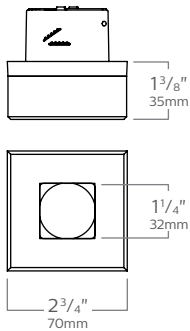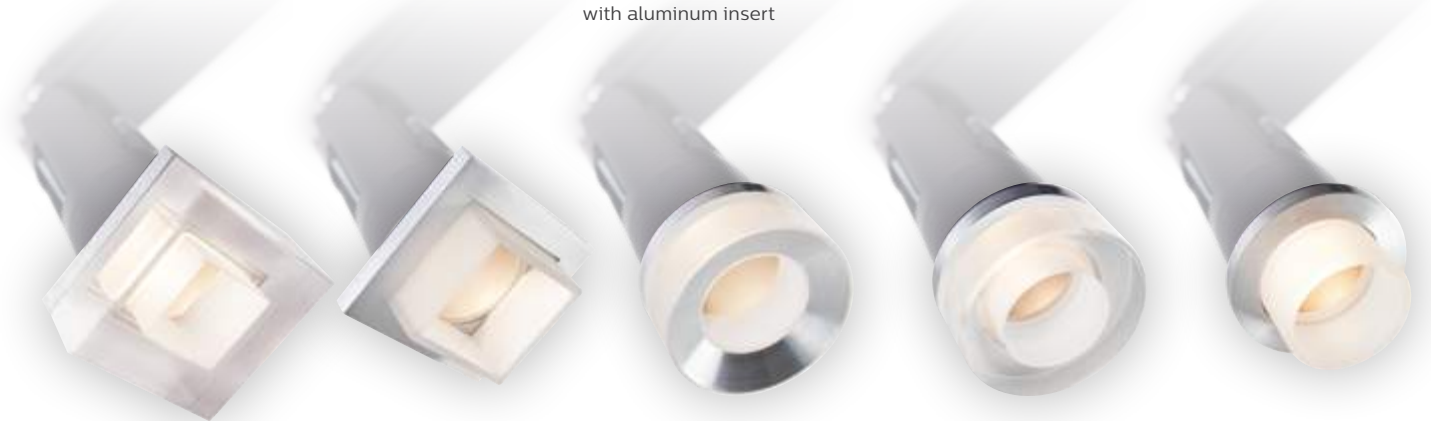
$1^3/8$" 35mm	$1^1/4$" 32mm	$1^5/16$" 33mm	$1^5/16$" 33mm	$1^5/16$" 33mm
$1^1/4$" 32mm	$1^3/8$" 35mm $1^{11}/16$" 43mm	$1^1/2$" 38mm	$1^1/2$" 38mm	$1^7/8$" 48mm
$2^3/4$" 70mm	$2^3/4$" 70mm	$2^5/8$" 67mm	$2^3/4$" 70mm	$2^3/4$" 70mm

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT

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ENERGY STAR

Calculite 3″ Evolution
round apertures

A natural evolution in LED downlighting.

Calculite LED 3″ Evolution luminaires are meticulously engineered to provide consistent visual comfort, unsurpassed optical control and extraordinary mechanical precision. Luminaires feature interchangeable optical assemblies providing flexibility in installation for commercial and residential construction.

Adjustable Accent
5⅝″ (133mm)
Trim kit height

Features

- Sizes: 3″
- Efficacy: up to 75 lm/W
- Lumens: 1000
- Wattage: 13 W
- Voltage: 120V & 277V
- CCT: 2700 K–4000 K
- CRI: 80 & 90 min.
- Dimming: 0–10V, Lutron, ELV
- 36,000 hour rated life (L70)

Frame + Engine + Trim + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Frame

Series / Size	Installation	Voltage / Dimming	
C3L	**N**		
C3L085 Calculite 3-inch	N New construction	**Non-IC options** 1ELV 120V / ELV 1Z10V 120V / 0-10V 2Z10V 277V / 0-10V 1LD 120V / Lutron 2LD 277V / Lutron	**IC-Airseal options** (Chicago Plenum) 1ELVAIC 120V / ELV UZ10VAIC Universal / 0-10V ULDAIC Universal / Lutron

Engine

Series / Size	Style	Lumen	CCT	CRI	Optic
C3L		**01**			
C3L085 Calculite 3-inch	A Adjustable AP Adjustable pinhole DP Downlight pinhole	01 1000lm	27 2700K 30 3000K	8 80CRI 9 90CRI	FSP Fresnel spot SP Spot NF Narrow flood FL Flood WFL Wide flood
	LW Lensed wall wash DL Downlight	01 1000lm	27 2700K 30 3000K	8 80CRI 9 90CRI	—

Trim

Series / Size	Style	Beam	Reflector	Flange
C3L				
C3L085 Calculite 3-inch	DL Downlight	N Narrow (30°) M Medium (53°) W Wide (74°)	CL Specular clear CCL Comfort clear CCD Comfort clear diffuse CCZ Champagne bronze BK Black (matte) WH White (matte)[1]	W White (matte) P Polished[1] F Flangeless[2]
	A Adjustable LW Lensed wall wash	— Medium		
	AP Adjustable pinhole DP Downlight pinhole	— Medium	BK Black (matte) WH White (matte) SA Satin aluminum	— White (matte) F Pinhole flangeless[2]

Accessories

CA3FMRLED 2⅝″ dia. mud-in ring for flangeless installs[3]

1. White (WH) finish is only available with Flangless (FT) or White (W) flanges.
2. Accessory CA3FMR required for gypsum applications (minimal 1/4″ reflector flange).
3. Mud-in ring is for use with optional flush mount flangleess installation (required for gypsum applications).

C3L085N

New construction
Non–IC frame
(AIC available).

Suitable for air seal, insulated
ceilings and CCEA requirements)
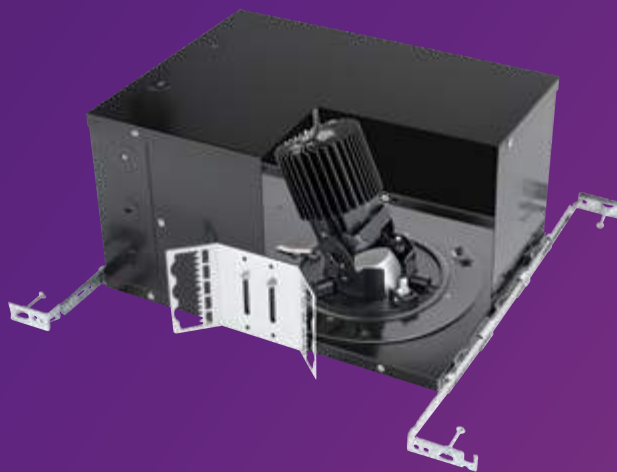
Downlight

6 5/8" (168 mm) height

4"
102mm

2 7/8"
73mm

2 1/8"
54mm

+
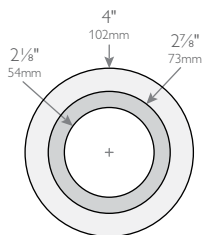
Lensed Wall Wash

5 1/4" (133 mm) height

2 1/8"
54mm

1 1/16"
27mm

2 7/8"
73mm

4"
102mm

+
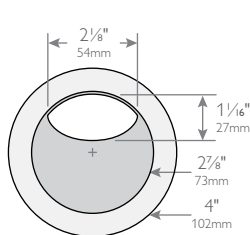
Adjustable Pinhole

5 5/8" (143 mm) height

4"
102mm

1 7/8"
48mm

1 1/4"
32mm

+
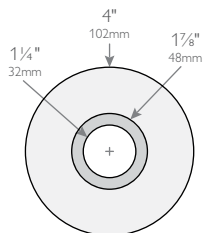
Downlight Pinhole

6 1/2" (165 mm) height

4"
102mm

1 7/8"
48mm

1 1/4"
32mm

+
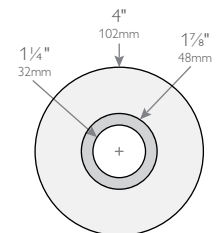
Adjustable Accent

5 5/8" (143 mm) height
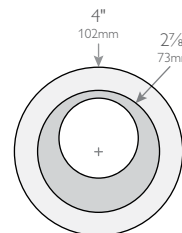
4"
102mm

2 7/8"
73mm

+

Downlight dimensions
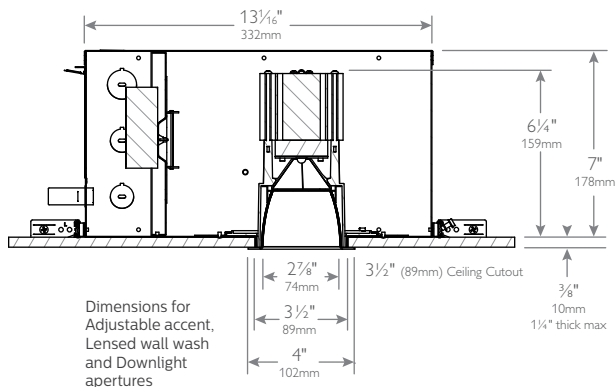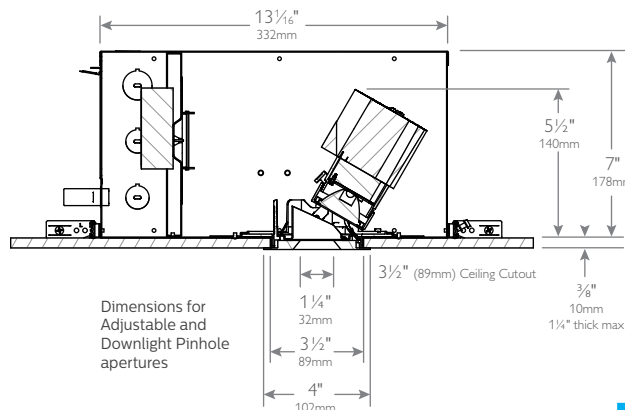
13 1/16"
332mm

6 1/4"
159mm

7"
178mm

Dimensions for
Adjustable accent,
Lensed wall wash
and Downlight
apertures

2 7/8"
74mm

3 1/2"
89mm

4"
102mm

3 1/2" (89mm) Ceiling Cutout

3/8"
10mm
1 1/4" thick max

Adjustable dimensions

13 1/16"
332mm

5 1/2"
140mm

7"
178mm

Dimensions for
Adjustable and
Downlight Pinhole
apertures

1 1/4"
32mm

3 1/2"
89mm

4"
102mm

3 1/2" (89mm) Ceiling Cutout

3/8"
10mm
1 1/4" thick max

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated, cULus listed, ENERGY STAR® certified and featuring
AirSeal for minimal air leakage.

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Specification-grade

21

Calculite 4" Adjustable accent

round apertures

Precision. Performance.

Adjustable accent fixtures provide full 366° horizontal and 40° vertical adjustment for flexibility and accuracy. Available with dimming, and an assortment of finishing reflectors as well as flanges options to complement architecturally demanding spaces.

Cutoff
50° cutoff
from nadir

Adjustable Accent
5 1/4" (133mm)
Trim kit height

Features

- Sizes: 4"
- Efficacy: up to 64 lm/W
- Lumens: 1500, 2200
- Wattage: 27W
- Voltage: 120/277V

- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 36,000 hour rated life (L70)

Frame + Engine + Trim + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Frame

Series/Size C4L	Style A	Lumen	Installation N	Voltage U	Dimming/Installation
C4L Calculite 4-inch Non-IC	**A** Adjustable accent	**15** 1500 lm **22** 2200 lm	**N** New construction (Non-IC)	**U** Universal 120/277V	**Z10V** 0–10V (Non-IC) **Z10VAIC** 0–10V (AirSeal-IC) **LD** Lutron (Non-IC) **LDAIC** Lutron (AirSeal-IC)

Engine

Series/Size C4L	Lumen 15	Style A	CCT	CRI	Optic
C4L Calculite 4-inch Non-IC	**15** 1500 lm	**A** Adjustable accent	**27** 2700K **30** 3000K **35** 3500K[1] **40** 4000K[1]	**8** 80 CRI **9** 90 CRI[1]	**TSP** 11° Tight Spot **SP** 17° Spot **NF** 22° Narrow Flood **FL** 29° Flood

Precision optics are available as accessories that can be ordered separately.

Trim

Series/Size C4L	Style A	Reflector	Flange
C4L Calculite 4-inch Non-IC	**A** Adjustable accent	**CL** Specular clear **CCL** Comfort clear **CCD** Comfort clear diffuse **CCZ** Champagne bronze[6] **WH** White (matte)[2]	**W** White (matte) **P** Polished[2] **F** Flangeless[3]

Accessories[5]

CA4ATSP	11°	Tight Spot
CA4ASP	17°	Spot
CA4ANF	22°	Narrow Flood
CA4AFL	29°	Flood
LLAV11SY	Symmetric Spread film	
LLAV11SF	Soft Focus film	
LLAV11LS	Linear Spread film	
LLAV11FR	Frosted Etched film	
CA4DF5	3 1/8" dia. soft focus beam spread filter	
LLAHCA11	Hex Cell Louver	
CA4FMRLED	4 3/4" dia. mud-in ring for flangeless installs	

15 5/8" 397mm
2 7/8" 74mm
4 1/8" 105mm
5 1/2" 139mm
7 1/8" 181mm
6 1/8" 155mm
3/8" 10mm to 44mm ceiling thickness
1 3/4" 44mm
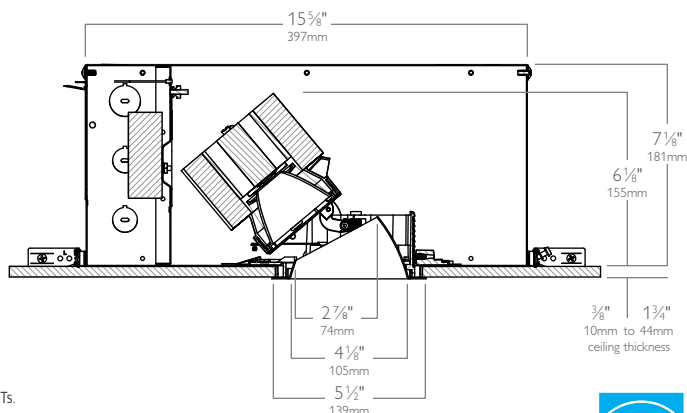
1. Configurations using 90 CRI (9) are not compatible with 3500K (35K) and 4000K (40K) CCTs.
2. White (WH) finish is only available with Flangeless (FT) or White (W) flanges.
3. Accessory CA4FMR required for gypsum applications (minimal 1/4" reflector flange).
4. Accessories are sold separately and are field replaceable (consult factory for additional accessories).
5. Can not be combined, accessory holder accepts one accessory only.

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Retail
Calculite LED downlighting

Hospitality
Calculite LED adjustable accent downlighting

Office
Calculite LED downlighting

23

Calculite generation 3 family

round & square apertures

Components for building a complete unit.

The Calculite LED unique three-part system of frame, driver/light engine, and trim (along with optional accessory) saves time, money and hassle from start to finish and adds a highly personalized solution to showcase your unique lighting vision.

Installation types

Cylinder

New Construction (Non-IC)
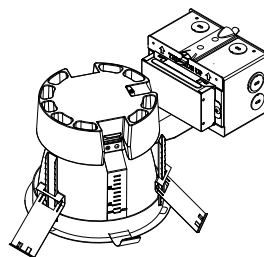
Remodeler (Non-IC)

AirSeal (IC)

Light engines

4-inch light engine

6-inch light engine

Decorative elements

Round acrylic
with aluminum insert

Round acrylic

Round angled
double opal glass

Round opal glass

Calculite provides a simplified installation process, with no requirements for specialized tools. Calculite modular downlights can be serviced and upgraded at any time without having to access the ceiling.

Comprehensive
....

Calculite luminaires
....

Gen 3 family
....
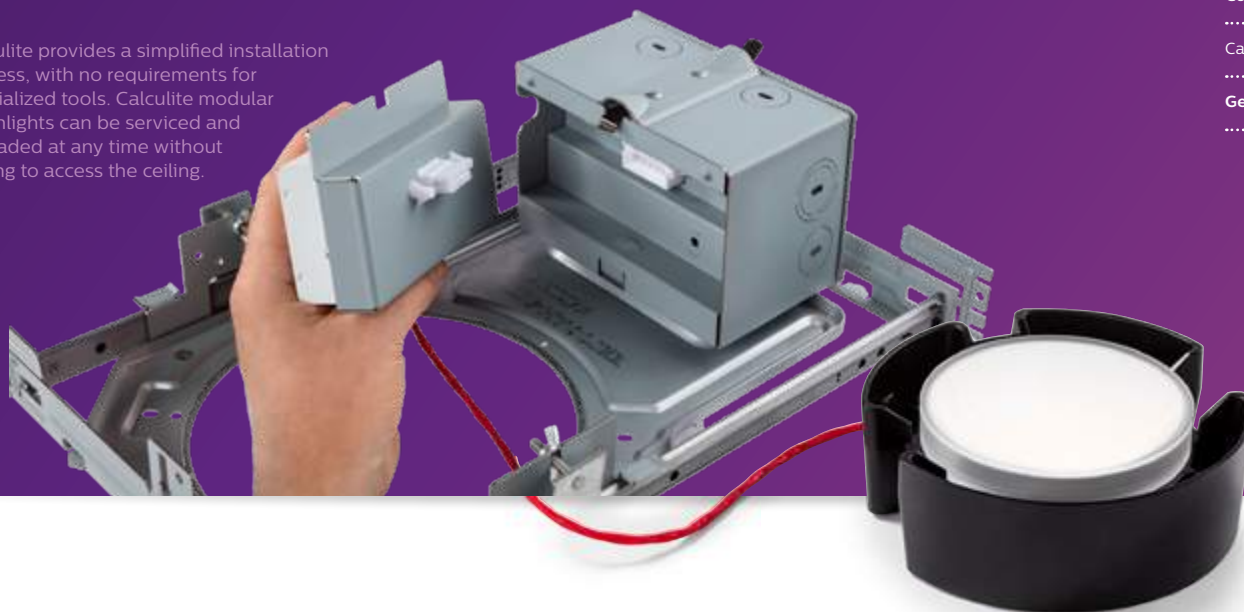
Trim types

Round Downlight trim
Narrow beam

Round Downlight trim
Medium beam

Round Downlight trim
Wide beam

Round Shower light trim

Round Open wall wash trim

Round Double wall wash trim

Round Corner wall wash trim

Round Lensed wall wash trim

Square Downlight trim
Narrow/Medium beam

Square Downlight trim
Wide beam

Square Lensed wall wash trim

Built–in adjustable mounting springs allow for installation into thick ceilings with no additional accessories

Springs can handle ceilings up to 2³/₄" deep.

Reflector installs into ceiling without difficult long torsion springs or aggressive springs.

Calculite 4″
round & square apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Features

- Sizes: 4″
- Efficacy: up to 115 lm/W
- Lumens: 500–3000
- Wattage: 14–15W
- Voltage: 120/277V & 347V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Emergency frame option

Frame

Series / Size	Aperture	Installation	Voltage / Option
4			
4 4-inch Non-IC	R Round S Square	N New construction (Non-IC)[1] R Remodeler (Non-IC)	— Universal 120/277V (specify for Power Over Ethernet configurations) 3 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm) EM Emergency[1,2] LC Chicago Plenum[1] IP Interact Pro

Engine

Series / Size	Lumen	CRI	CCT	Beam	Dimming		Voltage
C4L							
C4L Calculite 4-inch Non-IC	05 500 lm[3] 10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm[3] 30 3500 lm[3]	8 80 CRI 9 90 CRI	27 2700K 30 3000K 35 3500K 40 4000K	N Narrow (43/45°) M Medium (56/58°) W Wide (70/76°)	Z10 0-10V 1%[3] SOL EldoLED Solo 0-10V 0.1% DMX Digital Multiplexing D Dali L Lutron LDE1 EcoSystem (fade-to-black)		U Universal 120/277/347V
					E ELV (120V dimming only)[4]	1 Universal 120/277V	
					P Power over Ethernet[5]	E Ethernet 48V DC	

Trim

Series / Size	Aperture	Style	Beam (square only)
C4L			
C4L Calculite 4-inch Non-IC	R Round S Square (DL with N & M beams or LW with M beams)	DL Downlight SL Shower light[6]	NM Narrow / Medium W Wide
		WW Open wall wash CW Corner wall wash[7] DW Double wall wash[7] LW Lensed wall wash	— Wide (optimal for square lensed wall wash style)

Reflector	Flange
CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze[8] BK Black (matte)[8] WH White (matte)[9]	— White (matte) P Polished[9] F Flangeless[7]

Vetro

Series / Size	Aperture	Style
D	**4A**	
D Decorative elements	4A 4-inch aperture	01 Round acrylic w/alum. insert 02 Round acrylic 03 Round angled dbl opal glass 04 Round opal glass

Accessories (compatible with all open and lensed reflectors)

CA4RFT	4-inch Round Mud-in ring (for use with flangeless round installs)
CA4SFT	4-inch Square Mud-in ring (for use with flangeless square installs)
CAEM	Field installable EM pack (not compatible with Power over Ethernet)
AMS	ActiLume multi-sensor (optional accessory for Power Over Ethernet)
SWZDT	SpaceWise wireless controller with dwell time functionality[10]
C4RVPWH	Vandal proof (IP65) matte white finish (only mounts to C4LRDL)

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add "EM" suffix to trim (ex: C4RDLCCEM).
3. The 500lm (05) package is only compatible with 0-10V (Z10) dimming and the 2500lm (25) and 3000lm (30) packages have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2000lm (20) lumen configurations.

5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Consists of a round non-conductive flush mount diffuse lens with pre-installed gasket and a matte white non-conductive round flange. Reflector and flange options are not applicable (ex: C4LRSL).
7. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations.
8. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
9. White (WH) reflectors are not available with Polished (P) flange configurations.
10. SpaceWise is compatible with all 0-10V configurations (for details see "SWZDT" spec sheet).

Calculite LED 4" gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.

New Construction

10 ⅞ in
277 mm

7 ½ in
190 mm

8 ¾ in
221 mm

10 ⅜ in
264 mm

13 in
329 mm

4 ⅞ in
123 mm

ø4 ½ in
114 mm

ø5 ¾ in
146 mm

Ceiling Cutout
ø4 ⅞ in
124 mm

2 in
51 mm
Maximum
ceiling
thickness

New Construction

12 ⅜ in
314 mm

9 ¼ in
209 mm

10 ⅛ in
257 mm

10 ⅜ in
264 mm

16 ⅛ in
409 mm

5 in
128 mm

ø4 ½ in
114 mm

ø5 ¾ in
146 mm

Ceiling Cutout
ø4 ⅞ in
124 mm

2 in
51 mm
Maximum
ceiling
thickness

Remodeler

14 ⅜ in
365 mm

11 ½ in
293 mm (max.)

9 ¼ in
235 mm

4 ⅞ in
123 mm

ø4 ½ in
114 mm

ø5 ¾ in
146 mm

Ceiling Cutout
ø5 ⅛ in
130 mm

Remodeler

16 ¼ in
412 mm

11 ⅝ in
295 mm (max.)

9 ½ in
241 mm

5 in
128 mm

ø4 ½ in
114 mm

ø5 ¾ in
146 mm

Ceiling Cutout
ø5 ⅜ in
136 mm

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

IC
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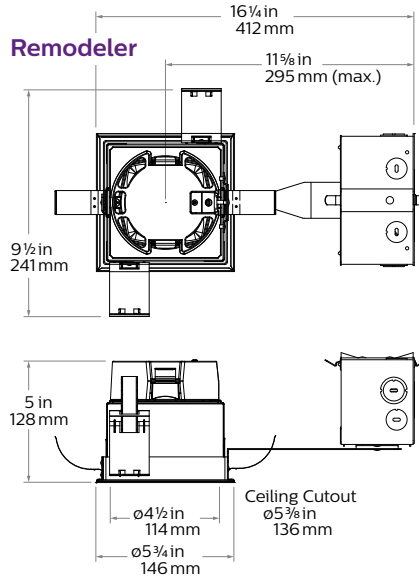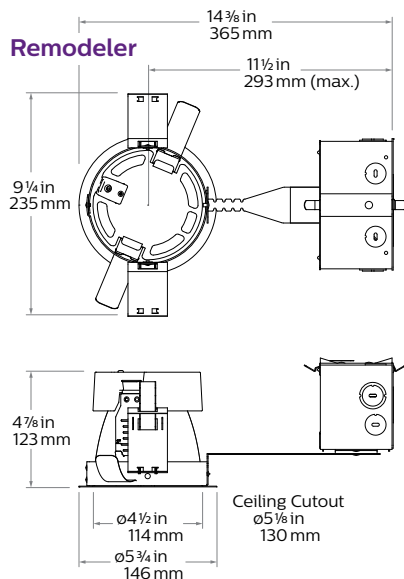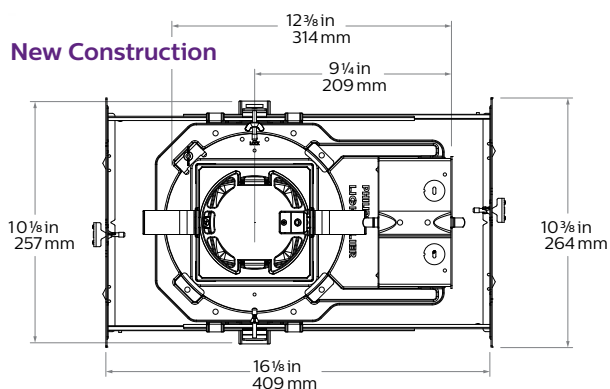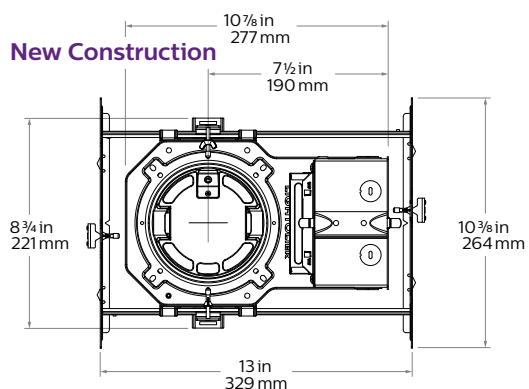
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RoHS
COMPLIANT

ENERGY STAR

Calculite 4″ Tunable white

round & square apertures

Real world applications, made better.

Calculite LED Tunable white solutions allow the freedom to create different ambiances in a variety of applications. Through a combination of light quality, color, and intensity; they help create environments that can be tailored to occupants' needs and preferences.

Features

- Sizes: 4″
- Efficacy: up to 93 lm/W
- Lumens: 1000-1200
- Wattage: 10-14 W
- Voltage: 120/277V & 347V
- CCT: 2700 K–6500 K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Tunable White

See page 27 for dimensions.

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Specification-grade

Frame

Series / Size **4**	Aperture	Installation	Voltage / Option
4 4-inch Non-IC	R Round S Square	N New construction (Non-IC)[1] R Remodeler (Non-IC)	— Universal 120/277V 3 347V EM Emergency[1,2] LC Chicago Plenum[1]
		A AirSeal IC	— Universal 120/277V

Engine

Series / Size **C4L**	Lumen	CRI **8**	CCT **65**	Beam	Dimming **D**	Voltage **U**	Option **TW**
C4L Calculite 4-inch Non-IC	10 1000lm 12 1200lm	8 80CRI	65 6500K to 2700K	M Medium (56°)[3] W Wide (76°)[4]	D Dali	U Universal 120/277/347V	TW Tunable White

Trim

Series / Size **C4**	Aperture	Style	Beam (square only)	Reflector	Flange
C4 Calculite 4-inch Non-IC	R Round S Square (DL with N & M beams or LW with M beams)	DL Downlight WW Open wall wash[5] CW Corner wall wash[5] DW Double wall wash[5] LW Lensed wall wash[5]	NM Narrow/Medium W Wide — Wide (optimal for square lensed wall wash style)	CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze[6] BK Black (matte)[6] WH White (matte)[7]	— White (matte) P Polished[7] F Flangeless[5]

Vetro

Series / Size **D**	Aperture **4A**	Style
D Decorative elements	4A 4-inch aperture	01 Round acrylic w/alum. insert 02 Round acrylic 03 Round angled dbl opal glass 04 Round opal glass

Accessories   (compatible with all open and lensed reflectors)

CA4RFT	4-inch Round Mud-in ring (for use with flangeless round installs)
CA4SFT	4-inch Square Mud-in ring (for use with flangeless square installs)
CAEM	Field installable EM pack (not compatible with Power over Ethernet)
C4RVPWH	Vandal proof (IP65) matte white finish (only mounts to C4LRDL)

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add "EM" suffix to trim (ex: C4SDLNMCCEM).
3. Medium (M) beam is ideal for Square Lensed Wall Wash (SLW) applications and is actually a Medium (56°)/Wide (76°) beam on Square trims only.
4. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RCW, RDW) applications.
5. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
6. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
7. White (WH) reflectors are not available with Polished (P) flange configurations.

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT   c UL us LISTED   RoHS COMPLIANT   ENERGY STAR

Calculite 4″ Retrofit
round & square apertures

Comprehensive
....
Calculite luminaires
....
4″ Tunable white
4″ Retrofit
....

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

Features

- Sizes: 4″
- Efficacy: up to 115 lm/W
- Lumens: 500–2500
- Wattage: 14–15 W
- Voltage: 120/277V
- CCT: 2700 K–4000 K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Engine + Trim = complete unit.
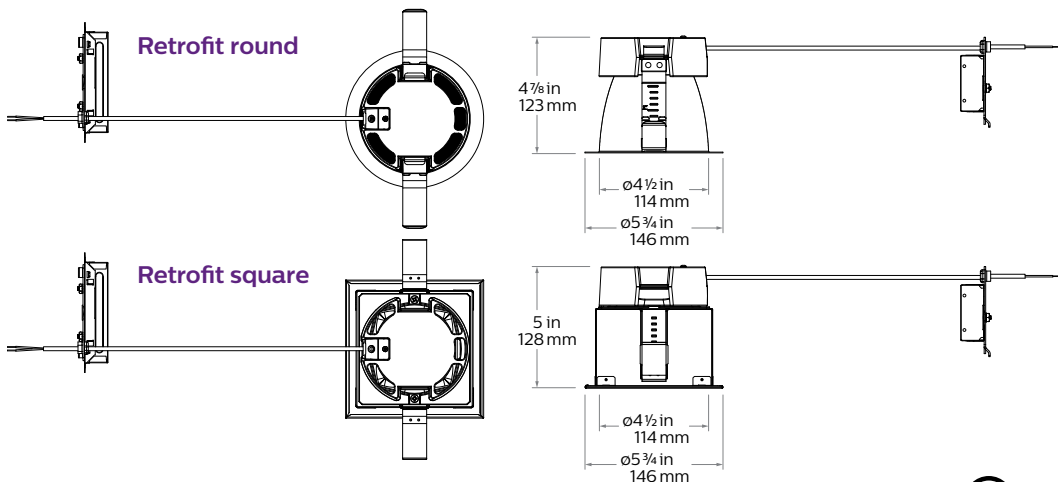Refer to footnotes at the bottom of the page for restrictions.

Engine

Series / Size	Lumen	CRI	CCT	Beam	Dimming	Voltage	Installation
C4L		**8**					
C4L Calculite 4-inch Non-IC	5 500 lm 10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm	8 80 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	N Narrow (43/45°) M Medium (56/58°) W Wide (70/76°)	Z10 0–10 V 1%	U Universal 120/277V	R Retrofit RH Retrofit for tall collar or square frames[1]
					E ELV (120V dimming only)	1 Universal 120/277V	

Trim

Series / Size	Aperture	Style
C4L		
C4L Calculite 6-inch Non-IC	R Round	DL Downlight WW Open wall wash
	S Square	DLW Downlight (wide beam) LW Lensed wall wash

Reflector	Flange
CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze[2] BK Black (matte)[2] WH White (matte)[3]	— White (matte) P Polished[3] F Flangeless

1. See C4L spec sheet for different round frame collar height details and dimensions.
2. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
3. White (WH) reflectors are not available with Polished (P) flange configurations.

Retrofit round

4 7⁄8 in
123 mm

ø4 1⁄2 in
114 mm
ø5 3⁄4 in
146 mm

Retrofit square

5 in
128 mm

ø4 1⁄2 in
114 mm
ø5 3⁄4 in
146 mm

Certifications: Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

Calculite 4" AirSeal

round & square apertures

Downlight and wall wash

Calculite LED AirSeal housings minimize air leakage to less than 2CFM at 1.57 PSF and reduces heat loss and condensation in ceiling.

Features

- Sizes: 4"
- Efficacy: up to 115 lm/W
- Lumens: 500–2000
- Wattage: 14–15W
- Voltage: 120/277V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Housing + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Housing

Series / Size **4**	Aperture	Installation **A**	Voltage / Option **—**
4 4-inch Non-IC	**R** Round **S** Square	**A** AirSeal (IC)	**—** Universal 120/277V

Engine

Series / Size **C4L**	Lumen	CRI	CCT	Beam	Dimming		Voltage
C4L Calculite 4-inch Non-IC	**05** 500 lm[1] **10** 1000 lm **15** 1500 lm	**8** 80 CRI **9** 90 CRI	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**N** Narrow (43°) **M** Medium (56°) **W** Wide (76°)[2]	**Z10** 0–10V 1%[1] **SOL** EldoLED Solo 0–10V 0.1% **DMX** Digital Multiplexing **D** Dali **L** Lutron LDE1 EcoSystem (fade-to-black)		**U** Universal 120/277V
					E ELV (120V dimming only)	**1** Universal 120/277V	
	20 2000 lm	**8** 80 CRI **9** 90 CRI	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**M** Medium (56°) **W** Wide (76°)[2]	**Z10** 0–10V 1% **SOL** EldoLED Solo 0–10V 0.1% **DMX** Digital Multiplexing		**U** Universal 120/277V
					E ELV (120V dimming only)	**1** Universal 120/277V	

Trim

Series / Size **C4L**	Aperture	Style	Beam (square only)
C4L Calculite 4-inch Non-IC	**R** Round **S** Square (DL with N & M beams or LW with M beams)	**DL** Downlight	**NM** Narrow / Medium **W** Wide
		WW Open wall wash[3] **CW** Corner wall wash[3] **DW** Double wall wash[3] **LW** Lensed wall wash[3]	**—** Medium (only available in square lensed wall wash style)

Reflector	Flange
CL Specular clear **CC** Comfort clear **CD** Comfort clear diffuse **CZ** Champagne bronze[4] **BK** Black (matte)[4] **WH** White (matte)[5]	**—** White (matte) **P** Polished[5] **F** Flangeless[3]

Vetro

Series / Size **D**	Aperture **4A**	Style
D Decorative elements	**4A** 4-inch aperture	**01** Round acrylic w/alum. insert **02** Round acrylic **03** Round angled dbl opal glass **04** Round opal glass

Accessories (compatible with all open and lensed reflectors)

CA4RFT	4-inch Round Mud-in ring (for use with flangeless round installs)
CA4SFT	4-inch Square Mud-in ring (for use with flangeless square installs)

1. The 500lm (05) package is only compatible with 0-10V (Z10) dimming.
2. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RCW, RDW) applications.
3. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configs and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
4. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
5. White (WH) reflectors are not available with Polished (P) flange configurations.

Comprehensive
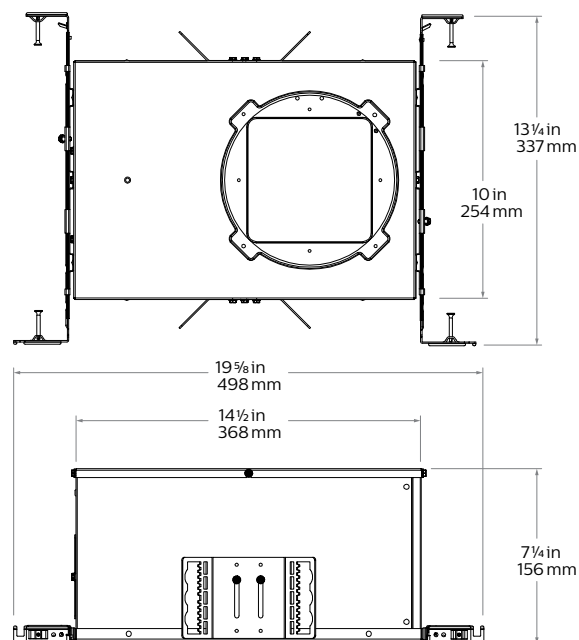........................
Calculite luminaires
....
4" AirSeal
....

Downlight trim · Open wall wash trim · Double wall wash trim · Corner wall wash trim · Lensed wall wash trim

AirSeal / Chicago Plenum round

13 ¼ in
337 mm

7 ¾ in
197 mm

16 ⅜ in
416 mm

11 ¼ in
286 mm

6 ⅛ in
156 mm

AirSeal / Chicago Plenum square

13 ¼ in
337 mm

10 in
254 mm

19 ⅝ in
498 mm

14 ½ in
368 mm

7 ¼ in
156 mm

Specification-grade

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only),
RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC
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CONTACT

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ENERGY STAR

Calculite 6"

round & square apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Features

- Sizes: 6"
- Efficacy: up to 115 lm/W
- Lumens: 1000–6000
- Wattage: 21–57 W
- Voltage: 120/277V & 347V
- CCT: 2700 K–4000 K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Emergency frame option

Frame

Series/Size	Aperture	Installation	Voltage/Option
6			
6 6-inch Non-IC	R Round S Square	N New construction (Non-IC)[1] R Remodeler (Non-IC)	— Universal 120/277V (specify for Power Over Ethernet configurations) 3 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm) EM Emergency[1,2] LC Chicago Plenum[1] IP Interact Pro

Engine

Series/Size	Lumen	CRI	CCT	Beam	Dimming	Voltage
C6L						
C6L Calculite 6-inch Non-IC	10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm 35 3500 lm 48 4800 lm[3] 60 6000 lm[3]	8 80 CRI 9 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	N Narrow (38/40°) M Medium (55°) W Wide (68/72°)	Z10 0-10V 1%[3] SOL EldoLED Solo 0-10V 0.1% DMX Digital Multiplexing D Dali L Lutron LDE1 EcoSystem (fade-to-black)	U Universal 120/277/347V
					E ELV (120V dimming only)[4]	1 Universal 120/277V
					P Power over Ethernet[5]	E Ethernet 48V DC

Trim

Series/Size	Aperture	Style	Beam (square only)		Reflector	Flange
C6L						
C6L Calculite 6-inch Non-IC	R Round S Square (DL with N & M beams or LW with M beams)	DL Downlight SL Shower light[6]	NM Narrow/Medium W Wide		CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze[8] BK Black (matte)[8] WH White (matte)[9]	— White (matte) P Polished[9] F Flangeless[7]
		WW Open wall wash[7] CW Corner wall wash[7] DW Double wall wash[7] LW Lensed wall wash[7]	— Wide (choose W beam above optimal for all wall wash styles)			

Vetro

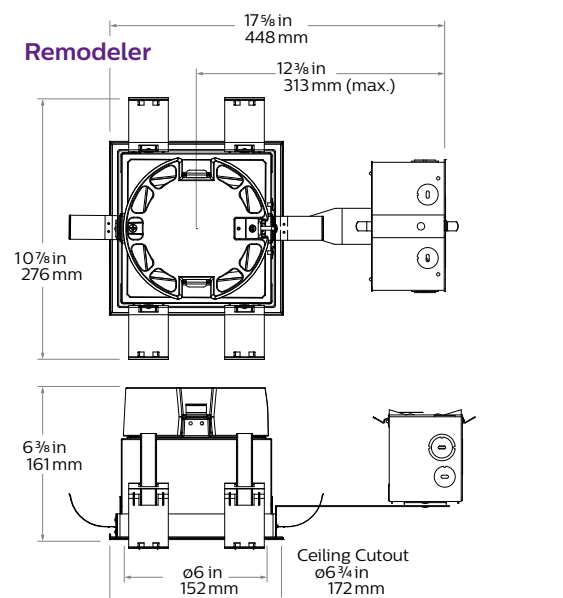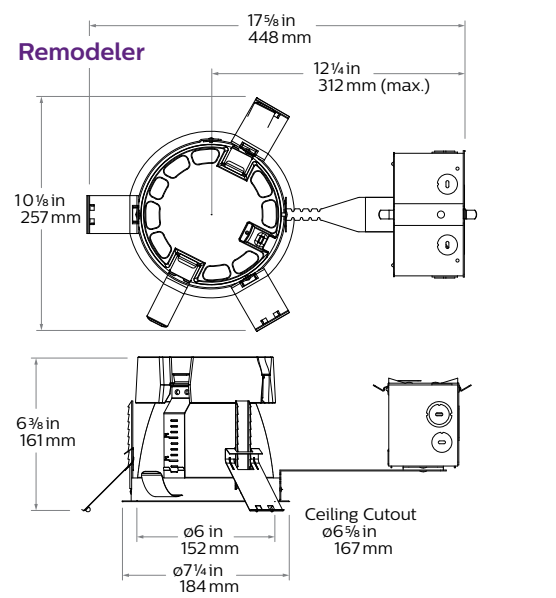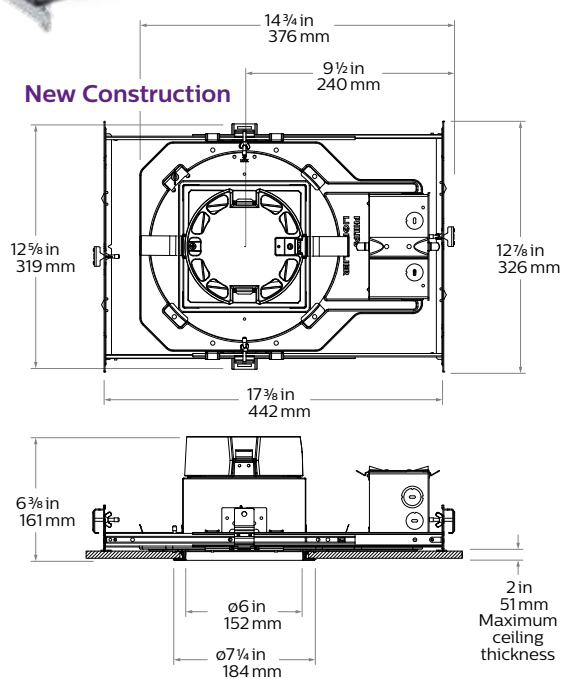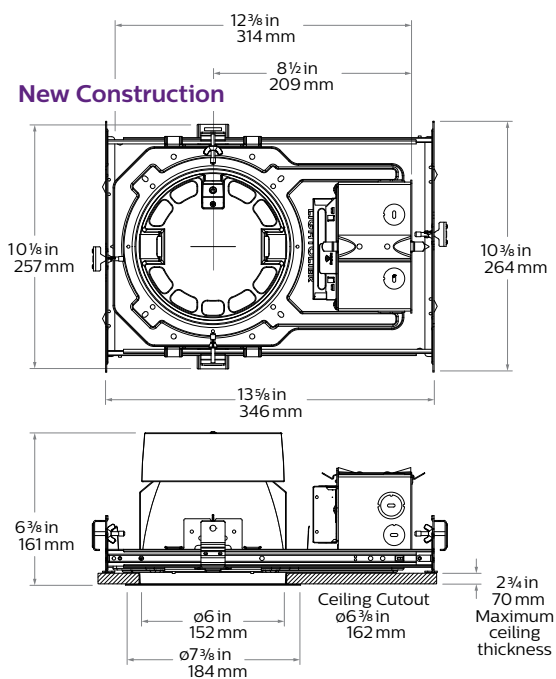| Series/Size	Aperture	Style
D	**6A**	
D Decorative elements	6A 6-inch aperture	01 Round acrylic w/alum. insert 02 Round acrylic 03 Round angled dbl opal glass 04 Round opal glass

Accessories (compatible with all open and lensed reflectors)

CA6RFT	6-inch Round Mud-in ring (for use with flangeless round installs)
CA6SFT	6-inch Square Mud-in ring (for use with flangeless square installs)
CAEM	Field installable EM pack (not compatible with Power over Ethernet)
AMS	ActiLume multi-sensor (optional accessory for Power Over Ethernet)
SWZDT	SpaceWise wireless controller with dwell time functionality[10]
C6RVPWH	Vandal proof (IP65) matte white finish (only mounts to C6LRDL)

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add "EM" suffix to trim (ex: C6RDLCCEM).
3. The 4800lm (48) and 6000lm (60) lumen packages are only available with 0-10V (Z10) dimming and have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2500lm (25) lumen configurations.

5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Consists of a round non-conductive flush mount diffuse lens with pre-installed gasket and a matte white non-conductive round flange. Reflector and flange options are not applicable (ex: C6LRSL).
7. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
8. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
9. White (WH) reflectors are not available with Polished (P) flange configurations.
10. SpaceWise is compatible with all 0-10V configurations (for details see "SWZDT" spec sheet).

Calculite LED 6″ gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.

New Construction

12 ⅜ in
314 mm

8 ½ in
209 mm

10 ⅛ in
257 mm

10 ⅜ in
264 mm

13 ⅝ in
346 mm

6 ⅜ in
161 mm

ø6 in
152 mm

ø7 ⅜ in
184 mm

Ceiling Cutout
ø6 ⅜ in
162 mm

2 ¾ in
70 mm
Maximum
ceiling
thickness

New Construction

14 ¾ in
376 mm

9 ½ in
240 mm

12 ⅝ in
319 mm

12 ⅞ in
326 mm

17 ⅜ in
442 mm

6 ⅜ in
161 mm

ø6 in
152 mm

ø7 ¼ in
184 mm

2 in
51 mm
Maximum
ceiling
thickness

Remodeler

17 ⅝ in
448 mm

12 ¼ in
312 mm (max.)

10 ⅛ in
257 mm

6 ⅜ in
161 mm

ø6 in
152 mm

ø7 ¼ in
184 mm

Ceiling Cutout
ø6 ⅝ in
167 mm

Remodeler

17 ⅝ in
448 mm

12 ⅜ in
313 mm (max.)

10 ⅞ in
276 mm

6 ⅜ in
161 mm

ø6 in
152 mm

ø7 ¼ in
184

Ceiling Cutout
ø6 ¾ in
172 mm

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

IC
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c(UL)us
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RoHS
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ENERGY STAR

Specification-grade

33

Calculite 6″ Tunable white

round & square apertures

Real world applications, made better.

Calculite LED Tunable white solutions allow the freedom to create different ambiances in a variety of applications. Through a combination of light quality, color, and intensity; they help create environments that can be tailored to occupants' needs and preferences.

Features
- Sizes: 6″
- Efficacy: up to 108 lm/W
- Lumens: 1000–2500
- Wattage: 19–21W
- Voltage: 120/277V & 347V
- CCT: 2700K–6500K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Tunable White

See page 25 for dimensions.

Frame

Series/Size 6	Aperture	Installation	Voltage/Option
6 6-inch Non-IC	**R** Round **S** Square	**N** New construction (Non-IC)[1] **R** Remodeler (Non-IC)	**—** Universal 120/277V **3** 347V **EM** Emergency[1,2] **LC** Chicago Plenum[1]
		A AirSeal IC	**—** Universal 120/277V

Engine

Series/Size C6L	Lumen	CRI 8	CCT 65	Beam	Dimming D	Voltage U	Option TW
C6L Calculite 6-inch Non-IC	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm	**8** 80CRI	**65** 6500K to 2700K	**M** Medium (56°)[3] **W** Wide (76/78°)[4]	**D** Dali	**U** Universal 120/277/347V	**TW** Tunable White

Trim

Series/Size C6	Aperture	Style	Beam (square only)
C6 Calculite 6-inch Non-IC	**R** Round **S** Square (DL with N & M beams or LW with M beams)	**DL** Downlight **WW** Open wall wash[5] **CW** Corner wall wash[5] **DW** Double wall wash[5] **LW** Lensed wall wash[5]	**NM** Narrow/Medium **W** Wide **—** Wide (optimal for square lensed wall wash style)

Reflector	Flange
CL Specular clear **CC** Comfort clear **CD** Comfort clear diffuse **CZ** Champagne bronze[6] **BK** Black (matte)[6] **WH** White (matte)[7]	**—** White (matte) **P** Polished[7] **F** Flangeless[5]

Vetro

Series/Size D	Aperture 6A	Style
D Decorative elements	**6A** 6-inch aperture	**01** Round acrylic w/alum. insert **02** Round acrylic **03** Round angled dbl opal glass **04** Round opal glass

Accessories (compatible with all open and lensed reflectors)

CA6RFT 6-inch Round Mud-in ring (for use with flangeless round installs)
CA6SFT 6-inch Square Mud-in ring (for use with flangeless square installs)
CAEM Field installable EM pack (not compatible with Power over Ethernet)
C6RVPWH Vandal proof (IP65) matte white finish (only mounts to C6LRDL)

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add "EM" suffix to trim (ex: C6SDLNMCCEM).
3. Medium (M) beam is ideal for Square Lensed Wall Wash (SLW) applications and is actually a Medium (56°)/Wide (78°) beam on Square trims only.
4. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RCW, RDW) applications.
5. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
6. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
7. White (WH) reflectors are not available with Polished (P) flange configurations.

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT

c UL us LISTED

RoHS COMPLIANT

ENERGY STAR

Comprehensive
....
Calculite luminaires
....
6″ Tunable white
6″ Retrofit
....

Calculite 6″ Retrofit

round & square apertures

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

Features

- Sizes: 6″
- Efficacy: up to 102 lm/W
- Lumens: 1000–3500
- Wattage: 21-24 W
- Voltage: 120/277V

- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Engine + Trim = complete unit.
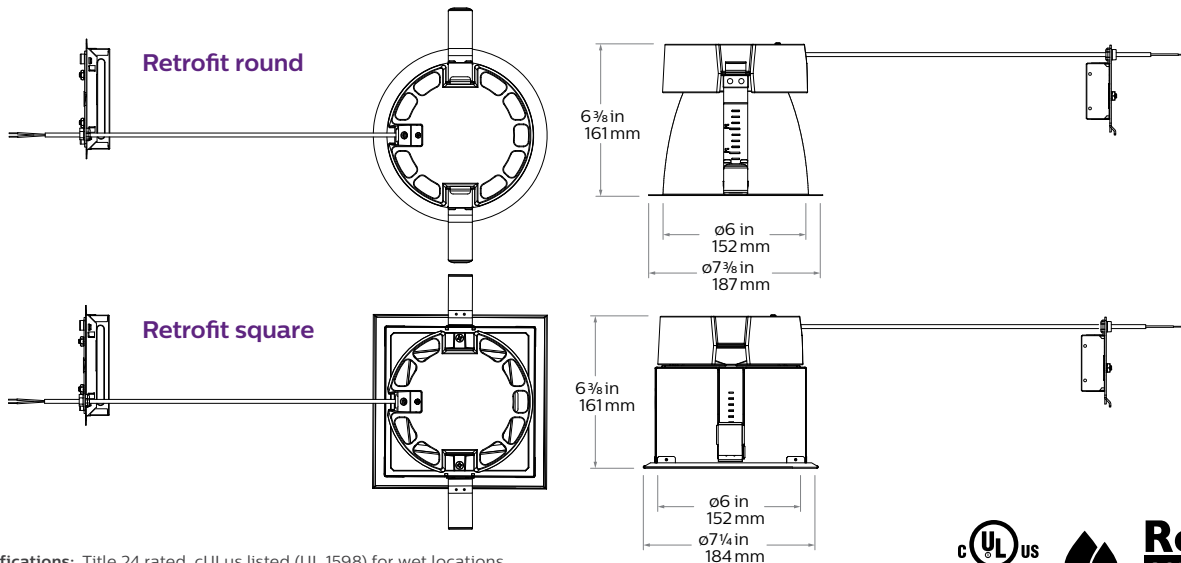Refer to footnotes at the bottom of the page for restrictions.

Engine

Series/Size C6L	Lumen	CRI 8	CCT	Beam	Dimming	Voltage	Installation R
C6L Calculite 6-inch Non-IC	**10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm **35** 3500 lm	**8** 80 CRI	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K	**M** Medium (55°) **W** Wide (72°)	**Z10** 0–10 V 1%	**U** Universal 120/277V	**R** Retrofit
					E ELV (120V dimming only)	**1** Universal 120/277V	

Trim

Series/Size C6L	Aperture R	Style
C6L Calculite 6-inch Non-IC	**R** Round	**DL** Downlight **WW** Open wall wash
	S Square	**DLW** Downlight (wide beam) **LW** Lensed wall wash

Reflector	Flange
CL Specular clear **CC** Comfort clear **CD** Comfort clear diffuse **CZ** Champagne bronze[1] **BK** Black (matte)[1] **WH** White (matte)[2]	**—** White (matte) **P** Polished[2] **F** Flangeless

1. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
2. White (WH) reflectors are not available with Polished (P) flange configurations.

Retrofit round

6 3/8 in
161 mm

ø6 in
152 mm
ø7 3/8 in
187 mm

Retrofit square

6 3/8 in
161 mm

ø6 in
152 mm
ø7 1/4 in
184 mm

Certifications: Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

Calculite 6" AirSeal
round & square apertures

Downlight and wall wash

Calculite LED AirSeal housings minimize air leakage to less than 2 CFM at 1.57 PSF and reduces heat loss and condensation in ceiling.

Features

- Sizes: 6"
- Efficacy: up to 115 lm/W
- Lumens: 1000–3500
- Wattage: 19–36 W
- Voltage: 120/277V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Housing + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Housing

Series / Size	Aperture	Installation	Voltage / Option
6		**A**	**–**
6 6-inch Non-IC	**R** Round **S** Square	**A** AirSeal (IC)	**–** Universal 120/277V

Engine

Series / Size	Lumen	CRI	CCT	Beam	Dimming		Voltage
C6L							
C6L Calculite 6-inch Non-IC	**10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm	**8** 80 CRI **9** 90 CRI	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K	**N** Narrow (40°) **M** Medium (55°)[1] **W** Wide (72°)[2]	**Z10** 0–10 V 1% **SOL** EldoLED Solo 0–10 V 0.1% **DMX** Digital Multiplexing **D** Dali **L** Lutron LDE1 EcoSystem (fade-to-black)		**U** Universal 120/277V
					E ELV (120V dimming only)	**1** Universal 120/277V	
	35 3500 lm	**8** 80 CRI **9** 90 CRI	**27** 2700 K **30** 3000 K **35** 3500 K **40** 4000 K	**M** Medium (55°)[1] **W** Wide (72°)[2]	**Z10** 0–10 V 1% **SOL** EldoLED Solo 0–10 V 0.1% **DMX** Digital Multiplexing		**U** Universal 120/277V

Trim

Series / Size	Aperture	Style	Beam (square only)
C6L			
C6L Calculite 6-inch Non-IC	**R** Round **S** Square (DL with N & M beams or LW with M beams)	**DL** Downlight **WW** Open wall wash[3] **CW** Corner wall wash[3] **DW** Double wall wash[3] **LW** Lensed wall wash[3]	**NM** Narrow / Medium **W** Wide **–** Medium (only available in square lensed wall wash style)

Reflector	Flange
CL Specular clear **CC** Comfort clear **CD** Comfort clear diffuse **CZ** Champagne bronze[4] **BK** Black (matte)[4] **WH** White (matte)[5]	**–** White (matte) **P** Polished[5] **F** Flangeless[3]

Vetro

Series / Size	Aperture	Style
D	**6A**	
D Decorative elements	**6A** 6-inch aperture	**01** Round acrylic w/alum. insert **02** Round acrylic **03** Round angled dbl opal glass **04** Round opal glass

Accessories (compatible with all open and lensed reflectors)

CA6RFT 6-inch Round Mud-in ring (for use with flangeless round installs)
CA6SFT 6-inch Square Mud-in ring (for use with flangeless square installs)
SWZDT SpaceWise wireless controller with dwell time functionality[6]

1. Medium (M) beam is ideal for Square Lensed Wall Wash (SLW) applications and is actually a Medium (55°) / Wide (72°) beam on Square trims only.
2. Wide (W) beam is ideal for all Round Wall Wash (RLW, RWW, RCW, RDW) applications.
3. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configs and Square (S) apertures are only available in Downlight (DL) and Lensed wall wash (LW) styles.
4. Champagne bronze (CZ) and Black (BK) reflectors are not available with Square (S) apertures.
5. White (WH) reflectors are not available with Polished (P) flange configurations.
6. SpaceWise is compatible with all 0–10V configurations (for details see "SWZDT" spec sheet).
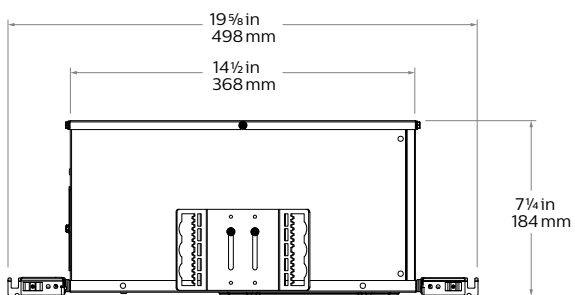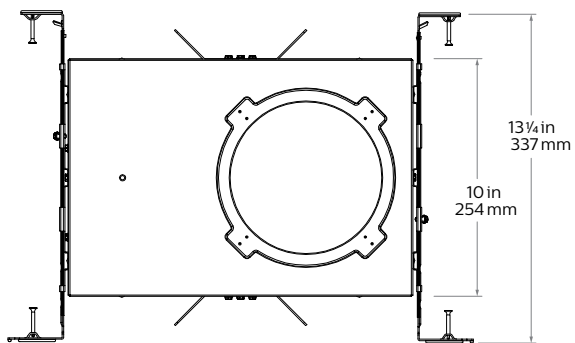
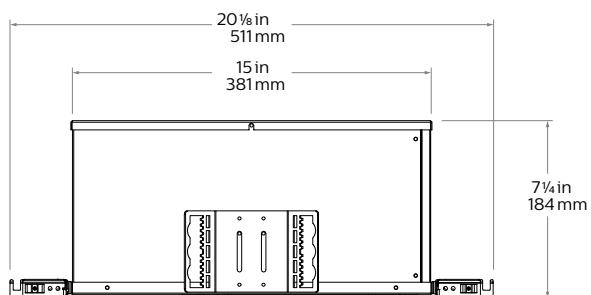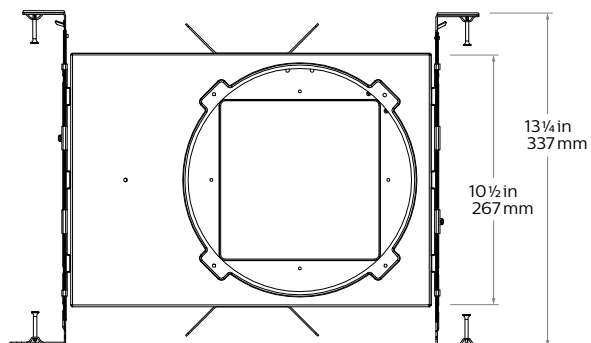Downlight trim   Open wall wash trim   Double wall wash trim   Corner wall wash trim   Lensed wall wash trim

AirSeal / Chicago Plenum round

13 ¼ in
337 mm

10 in
254 mm

19 ⅝ in
498 mm

14 ½ in
368 mm

7 ¼ in
184 mm

AirSeal / Chicago Plenum square

13 ¼ in
337 mm

10 ½ in
267 mm

20 ⅛ in
511 mm

15 in
381 mm

7 ¼ in
184 mm

Specification-grade

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only),
RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT   c UL us LISTED   RoHS COMPLIANT   ENERGY STAR

Calculite 7"

round apertures

Optically sophisticated. Mechanically advanced.

The Calculite LED family is built on a tradition of creating the ideal combination of performance and visual comfort in discreet apertures for a breadth of applications in retail, hospitality, commercial and high-end residential spaces.

Features

- Sizes: 7"
- Efficacy: up to 118 lm/W
- Lumens: 1000–6000
- Wattage: 21–57 W
- Voltage: 120/277V & 347V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Frame + Engine + Trim + Vetro (optional) + Accessories (optional) = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Emergency frame option

Frame

Series / Size **7**	Aperture **R**	Installation	Voltage / Option
7 7-inch Non-IC	R Round	N New construction (Non-IC)[1] R Remodeler (Non-IC)	— Universal 120/277V (specify for Power Over Ethernet configurations) 3 347V (not compatible with ELV dimming or Lensed Wall Wash over 2000lm) EM Emergency[1,2] LC Chicago Plenum[1] IP Interact Pro

Engine

Series / Size **C6L**	Lumen	CRI	CCT	Beam	Dimming		Voltage
C6L Calculite 6-inch Non-IC	10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm 35 3500 lm 48 4800 lm[3] 60 6000 lm[3]	8 80 CRI 9 90 CRI	27 2700K 30 3000K 35 3500K 40 4000K	N Narrow (40°) M Medium (55°) W Wide (72°)	Z10 0-10V 1%[3] SOL EldoLED Solo 0-10V 0.1% DMX Digital Multiplexing D Dali L Lutron LDE1 EcoSystem (fade-to-black)		U Universal 120/277/347V
					E ELV (120V dimming only)[4]	1 Universal 120/277V	
					P Power over Ethernet[5]	E Ethernet 48V DC	

Trim

Series / Size **C7L**	Aperture **R**	Style	Beam (match above)
C7L Calculite 7-inch Non-IC	R Round	DL Downlight	NM Narrow/Medium W Wide
		WW Open wall wash CW Corner wall wash[6] DW Double wall wash[6] LW Lensed wall wash	— Wide (choose W beam above optimal for all wall wash styles)

Reflector	Flange
CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze BK Black (matte) WH White (matte)[7]	— White (matte) P Polished[7] F Flangeless[6]

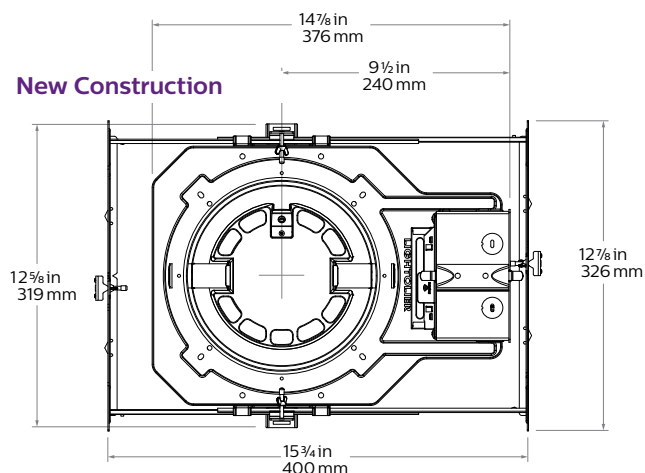### Accessories (compatible with all open and lensed reflectors)

CA7RFT	7-inch Round Mud-in ring (for use with flangeless round installs)
CAEM	Field installable EM pack (not compatible with Power over Ethernet)
AMS	ActiLume multi-sensor (optional accessory for Power Over Ethernet)
SWZDT	SpaceWise wireless controller with dwell time functionality[8]

1. Emergency (EM) and Chicago Plenum (LC) are only available with New construction (N).
2. Emergency (EM) comes with emergency battery pack and ceiling mountable test switch. Reflector mounted test switch requires above ceiling access. For reflector mounted test switch, order emergency frame and add "EM" suffix to trim (ex: C7RDLCCEM).
3. The 4800lm (48) and 6000lm (60) lumen packages are only available with 0-10V (Z10) dimming and have marked spacing requirements (see spec sheets).
4. ELV (E) dimming is only compatible with up to 2500lm (25) lumen configurations.
5. Power over Ethernet (P) is only compatible with 1000 (10) to 2500 (25) lumen configurations.
6. Corner (CW) and Double wall wash (DW) styles are not available with Flangeless (F) configurations.
7. White (WH) reflectors are not available with Polished (P) flange configurations.
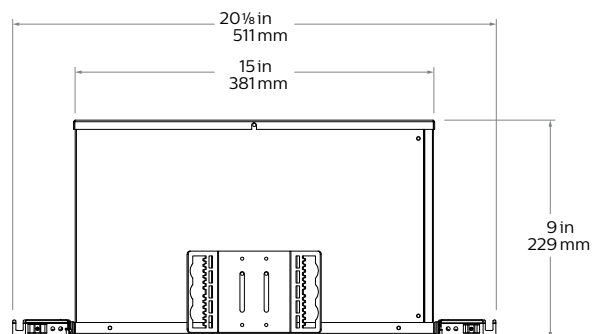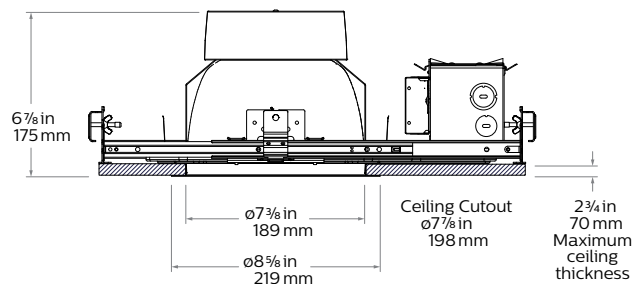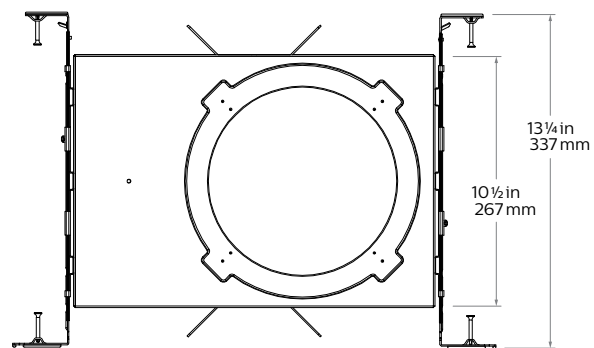8. SpaceWise is compatible with all 0-10V configurations (for details see "SWZDT" spec sheet).

Comprehensive
. . . .
Calculite luminaires
. . . .
7" New construction
. . . .

Calculite LED 7″ gen 3 features industry leading visual comfort, excellent uniform illumination over time, and patented installation flexibility.
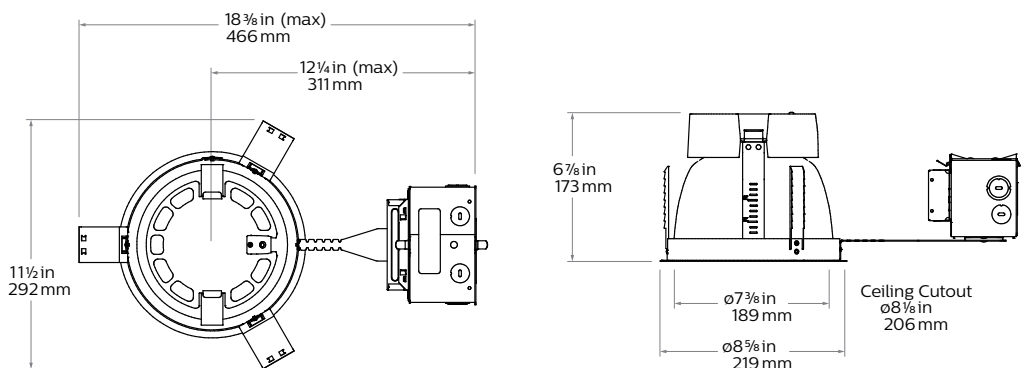

New Construction

14 ⁷⁄₈ in
376 mm

9 ½ in
240 mm

12 ⁵⁄₈ in
319 mm

12 ⁷⁄₈ in
326 mm

15 ¾ in
400 mm

6 ⁷⁄₈ in
175 mm

ø7 ³⁄₈ in
189 mm

ø8 ⁵⁄₈ in
219 mm

Ceiling Cutout
ø7 ⁷⁄₈ in
198 mm

2 ¾ in
70 mm
Maximum ceiling thickness

Chicago Plenum

13 ¼ in
337 mm

10 ½ in
267 mm

20 ⅛ in
511 mm

15 in
381 mm

9 in
229 mm

Remodeler

18 ³⁄₈ in (max)
466 mm

12 ¼ in (max)
311 mm

11 ½ in
292 mm

6 ⁷⁄₈ in
173 mm

ø7 ³⁄₈ in
189 mm

ø8 ⁵⁄₈ in
219 mm

Ceiling Cutout
ø8 ⅛ in
206 mm

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only),
RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC
INSULATION
CONTACT

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LISTED

RoHS
COMPLIANT

ENERGY STAR

Specification-grade

39

Office

Calculite LED downlighting and cylinders

Commercial

Calculite LED downlighting

Retail

Calculite LED downlighting

Comprehensive
....
Calculite luminaires
....
7" Retrofit
....

Calculite 7" Retrofit

round apertures

Experience the change, see the difference.

Calculite LED retrofit kits are perfect for updating existing installations of previous generation Calculite LED, CFL and incandescent. Remodelers allow for installation into ceilings with existing downlights without the need for access above ceiling.

Features

- Sizes: 7"
- Efficacy: up to 118 lm/W
- Lumens: 1000–3500
- Wattage: 21–24W
- Voltage: 120/277V

- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Engine + Trim = complete unit.
Refer to footnotes at the bottom of the page for restrictions.

Engine

Series/Size	Lumen	CRI	CCT	Beam	Dimming	Voltage	Installation
C6L		**8**					**R**
C6L Calculite 6-inch Non-IC	**10** 1000lm **15** 1500lm **20** 2000lm **25** 2500lm **35** 3500lm	**8** 80 CRI	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**M** Medium (55°) **W** Wide (72°)	**Z10** 0–10V 1%	**U** Universal 120/277V	**R** Retrofit
					E ELV (120V dimming only)	**1** Universal 120/277V	

Trim

Series/Size	Aperture	Style	Beam (match above)		Reflector	Flange
C7L	**R**					
C7L Calculite 7-inch Non-IC	**R** Round	**DL** Downlight	**NM** Narrow/Medium **W** Wide		**CL** Specular clear **CC** Comfort clear **CD** Comfort clear diffuse **CZ** Champagne bronze **BK** Black (matte) **WH** White (matte)[1]	**—** White (matte) **P** Polished[1] **F** Flangeless
		WW Open wall wash	**—** Wide (optimal for all wall wash styles)			

1. White (WH) reflectors are not available with Polished (P) flange configurations.
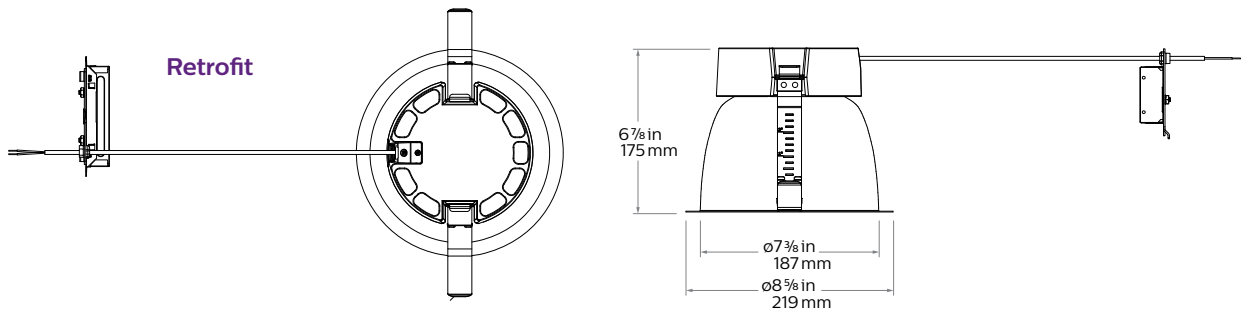
Retrofit

6 7/8 in
175 mm

ø7 3/8 in
187 mm

ø8 5/8 in
219 mm

Certifications: Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

Specification-grade

Calculite 4" / 6" Cylinder
round apertures

Always reaching higher.

Calculite LED Cylinders employ the same quality lighting technology and design configurations to ensure a consistent color point between luminaires within a lighting application.

4in & 6in round cylinder with downlight reflector

4in & 6in round cylinder with open wall wash reflector

Features

- Sizes: 4" & 6"
- Efficacy: up to 115 lm/W
- Lumens: 500–6000
- Wattage: 6–57 W
- Voltage: 120/277V
- CCT: 2700 K–4000 K
- CRI: 80 & 90 min.
- Dimming: (see options below)
- 60,000 hour rated life (L90)

Fixture

This classic architectural cylinder matches lumen, beam and style offerings available with Calculite LED gen 3 downlight.

(BK, CZ, CL, CC, CD)

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

Series / Size	Mount	Style	Lumen	CRI	CCT (K)	Beam	Dimming	Voltage	Reflector	Finish
C4 Calculite 4-inch Aperture	S Surface W Wall P Pendant	DL Downlight WW Wall Wash[2] DW Double Wall Wash[2]	05 500[3] 10 1000 15 1500 20 2000 25 2500 30 3000	8 80 9 90	27 2700 30 3000 35 3500 40 4000	N Narrow M Medium W Wide[2]	Z10 0–10 V 1% ELV ELV[3] (120V dim only)	U Universal (120/277V) 1 Universal (120/277V)	BK Black (matte) CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze	W White (matte) B Black (matte) A Aluminum
C6 Calculite 6-inch Aperture	S Surface W Wall P Pendant	DL Downlight WW Wall Wash[2] DW Double Wall Wash[2]	10 1000 15 1500 20 2000 25 2500 35 3500 48 4800[4] 60 6000[4]	8 80 9 90	27 2700 30 3000 35 3500 40 4000	N Narrow M Medium W Wide[2]	Z10 0–10 V 1% SOL EldoLED Solo 0–10 V 0.1%[4] DMX Digital Multiplexing[4,5] D Dali[4] L Lutron LDE1 EcoSystem[4] (fade-to-black) ELV ELV[5] (120V dim only)	U Universal (120/277V) 1 Universal (120/277V)	BK Black (matte) CL Specular clear CC Comfort clear CD Comfort clear diffuse CZ Champagne bronze	W White (matte) B Black (matte) A Aluminum

Accessories

Series / Size	Kit	Style	Finish
CA			
CA Calculite Accessory	SK Stem kit CK Cable kit	36 36-inches 10 120-inches	W White (matte) B Black (matte) A Aluminum[7]

5"
127 mm

5"
127 mm

36¼"
921 mm

120"
3048 mm
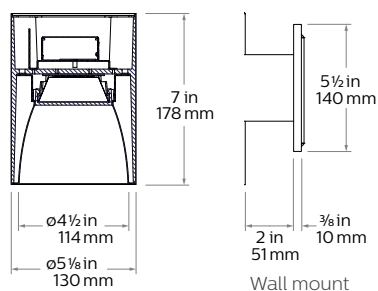
Stem mount

Cable mount
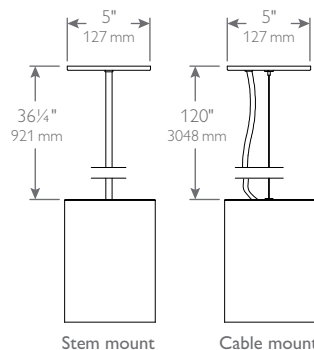
1. Pendant (P) option needs to be ordered with an accessory.
2. Wall Wash (WW) and Double Wall Wash (DW) are only available with Wide (W) beam.
3. ELV (ELV) dimming is not compatible with 500lm (05) configurations (C4 only), and is only compatible with up to 2000lm (20) configurations.
4. Lutron (L), Dali (D), EldoLED Solo (SOL), and Digital Multiplex (DMX) are only available up to 3500lm (35) configurations.
5. ELV (ELV) dimming is only compatible with up to 2500lm (25) configurations (C6 only).
6. Digital Multiplex (DMX) dimming is not compatible with the Cable Kit (CK) accessory.
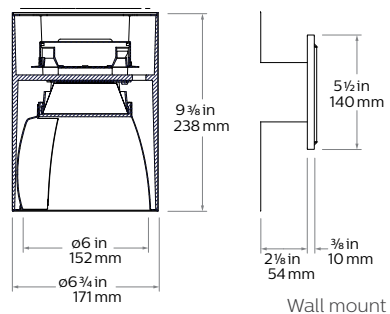7. Cable kit is not available in the Aluminum (AL) finish.

Specification-grade

4-inch Cylinder

7 in
178 mm

ø4½ in
114 mm

ø5⅛ in
130 mm

5½ in
140 mm

2 in
51 mm

⅜ in
10 mm

Wall mount

6-inch Cylinder

9 ⅜ in
238 mm

ø6 in
152 mm

ø6¾ in
171 mm

5½ in
140 mm

2⅛ in
54 mm

⅜ in
10 mm

Wall mount

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

IC INSULATION CONTACT

c UL us LISTED

RoHS COMPLIANT

ENERGY STAR

Office
Calculite LED Cylinders

43

Recessed Multiples

See details in track lighting section

Product offering

Alcyon LED Recessed Multiples pg 78
OmniSpot LED Recessed Multiples pg 84
Spot LED Recessed Multiples pg 88

LLAVRM–H1

LLAVRM–H2

LLAVRM–H3

LLAVRM–H4

LCRM10–H1
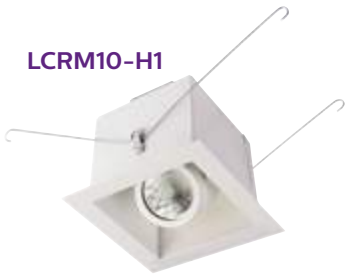
LCRM10–H2

LCRM10–H3

LCRM10–H4

LLABR–H1

LLABR–H2

LLABR–H3

LLABR–H4

Note: For details on Recessed multiples see pages 78–88 in the track lighting section.

Retail
Alcyon LED Recessed Multiples

Retail
OmniSpot LED Recessed Multiples

Finishes

For use with Calculite product line

Reflector

CL Specular clear

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

CC 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.

CD Comfort clear diffuse

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

CZ Champagne bronze

Semi-specular finish that softens the light at the source of the reflector while providing a warmer reflector appearance (light output is slightly warmer).

WH White (matte)

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

BK Black (matte)

Specular finish that provides the lowest aperture brightness possible and significantly reduces source identification in a ceiling.

Flange

– White (matte)

Provides the smoothest transition to ceilings when off.

P Polished (matches aperture)

Produces a continuous look throughout the reflector (aperture matching).

F Flangeless (flush-mount)

Creates a flush, virtually seamless transition from aperture to ceiling.

Specification-grade

Comprehensive
....
Calculite luminaires
....
Finishes and Vetro
....
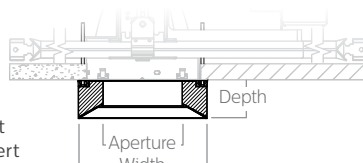
Decorative elements

For use with 4", 6" & 7" Calculite product line

A definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro decorative glass elements open a world of creative potential. Designed for stand-out style or a reserved minimal look, these elements offer unlimited scope for a broad variety of applications – all within the same design family.

D01 series

Round acrylic decorative element with aluminum insert

Cat. No.	Size	Aperture	Width	Depth
D4A01	4"	3¾" (95 mm)	6" (152 mm)	1¾" (44 mm)
D6A01	6"	4⅝" (117 mm)	7½" (191 mm)	1⅞" (48 mm)

D02 series

Round acrylic decorative element
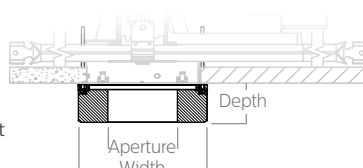
Cat. No.	Size	Aperture	Width	Depth
D4A02	4"	3½" (89 mm)	6" (152 mm)	1¾" (44 mm)
D6A02	6"	4" (102 mm)	7½" (191 mm)	1⅞" (48 mm)

D03 series

Round angled double opal glass decorative element
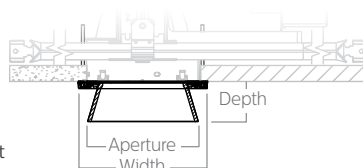
Cat. No.	Size	Aperture	Width	Depth
D4A03	4"	5⅛" (130 mm)	6¼" (159 mm)	2" (51 mm)
D6A03	6"	6⅝" (168 mm)	7¾" (197 mm)	2⅛" (54 mm)

D04 series

Round opal glass decorative element
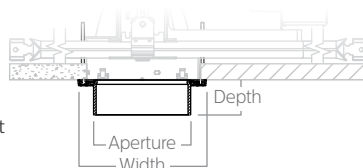
Cat. No.	Size	Aperture	Width	Depth
D4A04	4"	4⅛" (105 mm)	6¼" (159 mm)	2" (51 mm)
D6A04	6"	5½" (140 mm)	7¾" (197 mm)	2⅛" (54 mm)

Accessories

Vandal proof

SWZDT SpaceWise

Wireless controller with dwell time functionality. It is compatible with all 0-10V configurations.

AMS ActiLume

Multi-sensor optional accessory for Power Over Ethernet

VP Vandal Proof

Available for 4" and 6" round apertures, provides an elegant solution for vandal resistant needs. One piece machined aluminum ring with impact resistant clear lens. Flangeless (F) flange must be ordered. Provides the luminaire with an IK10 impact and IP65 rating.
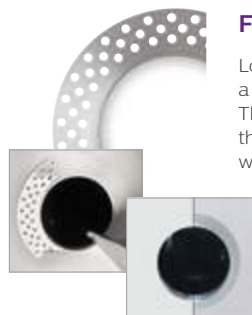
FT Flangeless Mud-in Ring

Low profile, machined aluminum mud-in ring provides a raised rib to plaster up to and a 3/16" flange thickness. The ring is attached to the ceiling material opposed to the frame to avoid conduction of heat and vibration which can cause yellowing or cracking of the plaster.

After installing the frame, a mud-in ring is inserted into the ceiling opening, the flange is plastered over, feathered, sanded and finished. The end result is a clean inconspicuous appearance with a flush, virtually seamless transition from aperture to ceiling.

Note: A flangeless reflector is required for installation of the decorative glass elements. For the best visual effect, pair with the Calculite Clear (**CL**) reflector finish.

Specification-grade

Downlight luminaires

A wide array of luminaires that fit any of project need: from retail to residential to commercial.

As the LED technology continues to evolve, Lightolier integrated LED downlight luminaires are more energy efficient and versatile than ever before. From general and accent lighting to wall wash and wet location lighting, there are a variety of product families to choose from that can provide the right lighting for the right application, all with the trusted Lightolier quality.

All LED downlight luminaires feature a substantial rated lifetime at 70% lumen maintenance along with a 5-year limited warranty. All product families are UL Listed and most configurations comply with ENERGY STAR® and/or California's Title 24 certifications. Many luminaires offer multiple finish and flange options.

Performance-grade

LyteProfile
round & square apertures   pg. 50

EasyLyte
round apertures   pg. 52

Value-grade

LyteCaster
round & square apertures   pg. 54

LyteCaster Adjustable
round apertures   pg. 56

LyteCaster Accent
round & square apertures   pg. 58

SlimSurface
round & square apertures   pg. 60

CorePro LED
round apertures   pg. 61

Budget-grade

Surface-mount downlight
round apertures   pg. 62

Retrofit downlight
round apertures   pg. 63

Flat downlight
round & square apertures   pg. 64

Mini Downlight & Gimbal
round & square apertures   pg. 65

LyteProfile

round & square apertures

An easy to install architecturally pleasing low profile downlight.

Provides a comfortable 60° cut-off to both the actual and reflected source. Utilizes a robust frame-in kit, light engine and reflector design that is designed for a wide variety of installation conditions with a plenum depth of 4-1/2".
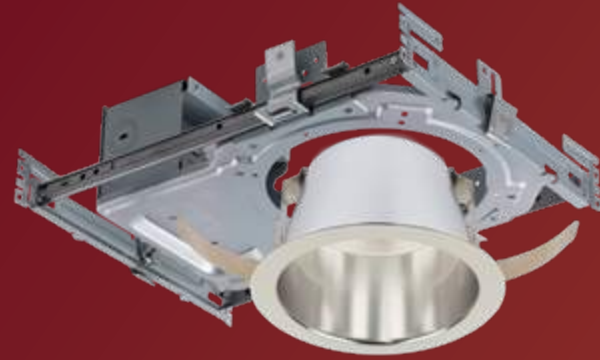
Features

- Sizes: 4" & 6"
- Efficacy: up to 100 lm/W
- Lumens: 500-3500
- Wattage: 7-20 W
- Voltage: 120V-277V & 347V
- CCT: 2700 K-5000 K
- CRI: 80 min.
- Dimming: (see options below)
- 60,000 hour rated life (L80)

Frame

Series / Size	Aperture	Installation	Voltage / Option		
4 4-inch Non-IC **6** 6-inch Non-IC	**R** Round **S** Square	**N** New construction (Non-IC) **R** Remodeler (Non-IC) **A** AirSeal (IC)[1]	**—** Universal 120/277V (specify for Power Over Ethernet) **LC** Chicago Plenum[2] **EM** Emergency[4]	**3** 347V **3IP** 347V with Interact Pro[2,3] **IP** Interact Pro[2,3]	

Trim

Series	Type	Lumens	CRI / CCT	Finish	Flange	Dimming	Voltage
P4R 4-inch Round **P4S** 4-inch Square	**DL** Downlight **LW** Lensed Wall Wash	**05** 500 lm[5] **10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **835** 80 CRI / 3500 K **840** 80 CRI / 4000 K	**CL** Specular clear[7] **CC** Comfort clear[7] **CD** Comfort clear diffuse **BK** Black (matte)[8] **WH** White (matte)[8]	**—** White (matte) **P** Polished (aperture matching CL, CC & CD round only) **B** Black (matte)	**Z10** 0-10V 1% **L** Lutron LDE1 EcoSystem (fade-to-black) **P** Power over ethernet (PoE)	**U** Universal 120/277/ 347V **E** Ethernet 48V DC
P6R 6-inch Round **P6S** 6-inch Square	**DL** Downlight **LW** Lensed Wall Wash	**10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm **30** 3000 lm **35** 3500 lm[6]					

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. The 500 lm (5) lumen option is not available with Lutron (L) dimming.
6. The 3500 lm (35) lumen option is only available in a Downlight (DL) style.
7. Specular clear (CL), Comfort clear (CC) and Comfort clear diffuse (CD) finishes will be available in Q1 of 2019.
8. The White (WH) and Black (BK) reflectors are painted aluminum, Black (BK) reflector comes with Black (B) flange only.

Note: Consult factory for additional dimming options.

4" & 6" round downlight
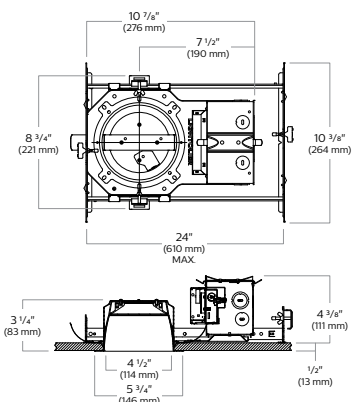
4" & 6" round lensed wall wash
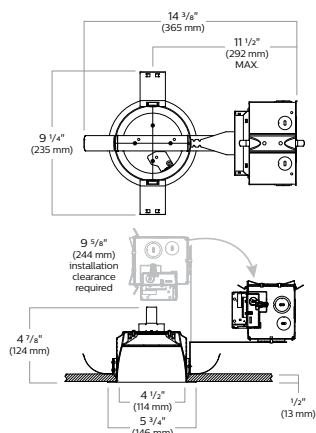
4" & 6" squares also available

Improve your profitability, deliver projects on time and future proof installation by choosing from full family of one frame LED downlights.
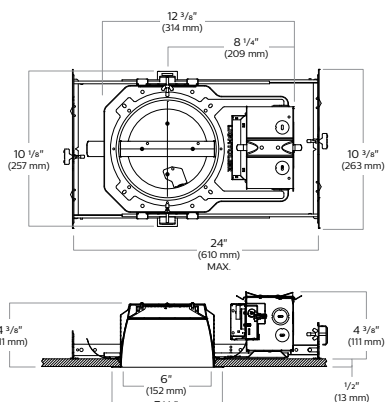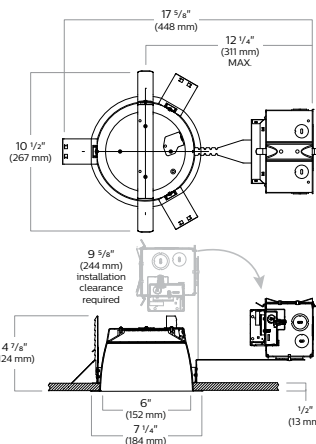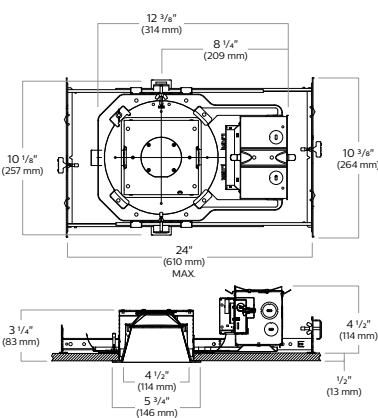

4" Round New construction

10 7/8" (276 mm)
7 1/2" (190 mm)
8 3/4" (221 mm)
10 3/8" (264 mm)
24" (610 mm) MAX.
3 1/4" (83 mm)
4 3/8" (111 mm)
4 1/2" (114 mm)
5 3/4" (146 mm)
1/2" (13 mm)

4" Round Remodeler

14 3/8" (365 mm)
11 1/2" (292 mm) MAX.
9 1/4" (235 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
4 1/2" (114 mm)
5 3/4" (146 mm)
1/2" (13 mm)

6" Round New construction

12 3/8" (314 mm)
8 1/4" (209 mm)
10 1/8" (257 mm)
10 3/8" (263 mm)
24" (610 mm) MAX.
4 3/8" (111 mm)
4 3/8" (111 mm)
6" (152 mm)
7 1/4" (184 mm)
1/2" (13 mm)

6" Round Remodeler

17 5/8" (448 mm)
12 1/4" (311 mm) MAX.
10 1/2" (267 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
6" (152 mm)
7 1/4" (184 mm)
1/2" (13 mm)

4" Square New construction

12 3/8" (314 mm)
8 1/4" (209 mm)
10 1/8" (257 mm)
10 3/8" (264 mm)
24" (610 mm) MAX.
3 1/4" (83 mm)
4 1/2" (114 mm)
4 1/2" (114 mm)
5 3/4" (146 mm)
1/2" (13 mm)

4" Square Remodeler

14 3/8" (365 mm)
11 1/2" (292 mm) MAX.
9 1/2" (241 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
4 1/2" (114 mm)
5 3/4" (146 mm)
1/2" (13 mm)

6" Square New construction

14 3/4" (375 mm)
9 1/2" (241 mm)
12 5/8" (321 mm)
12 7/8" (327 mm)
24" (610 mm) MAX.
4 1/8" (104 mm)
4 1/2" (114 mm)
6" (152 mm)
7 1/4" (184 mm)
1/2" (13 mm)

6" Square Remodeler

17 5/8" (448 mm)
12 1/4" (311 mm) MAX.
10 7/8" (276 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
6" (152 mm)
7 1/4" (184 mm)
1/2" (13 mm)

Certifications: cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified.

Performance-grade

RoHS COMPLIANT

UL LISTED

ENERGY STAR

51

EasyLyte
round apertures

An easy to install architecturally pleasing low profile downlight.

Adaptable lighting that meets your budget, your design, and your installation. An adaptable, and flexible downlight for your changing project needs. It is your best choice for economy without sacrificing ease of installation or performance.

Features

- Sizes: 4" & 6"
- Efficacy: up to 120 lm/W
- Lumens: 500–3500
- Wattage: 7–30 W
- Voltage: 120V–277V & 347V
- CCT: 2700 K–4000 K
- CRI: 80 min.
- Dimming: (see options below)
- 60,000 hour rated life (L80)

Frame

Series / Size	Aperture	Installation	Voltage / Option	
4 4-inch Non-IC **6** 6-inch Non-IC	**R** Round	**N** New construction (Non-IC) **R** Remodeler (Non-IC) **A** AirSeal (IC)[1]	**—** Universal 120/277V (specify for Power Over Ethernet) **LC** Chicago Plenum[2] **EM** Emergency[4]	**3** 347V **3IP** 347V with Interact Pro[2,3] **IP** Interact Pro[2,3]

Aperture: **R**

Trim

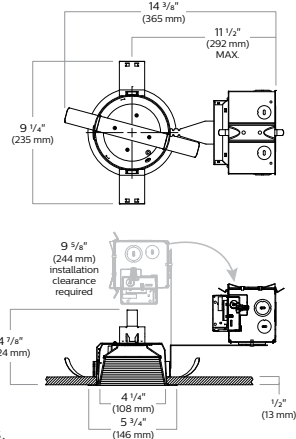| Series	Lumens	CRI / CCT	Beam	Reflector	Finish	Dimming	Voltage
Z4RDL 4-inch Round Downlight **Z6RDL** 6-inch Round Downlight	**05** 500 lm **10** 1000 lm **15** 1500 lm **20** 2000 lm **25** 2500 lm **30** 3000 lm (only available with 6-inch) **35** 3500 lm (only available with 6-inch)	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **835** 80 CRI / 3500 K **840** 80 CRI / 4000 K	**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) **E** ELV[5] **P** Power over Ethernet (PoE)	**U** Universal 120/277/347V **1** 120V **E** Ethernet 48V DC

Beam: **W**

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.
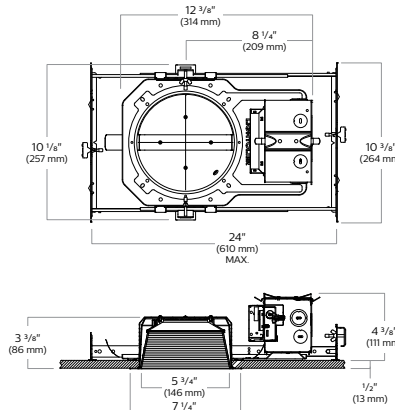
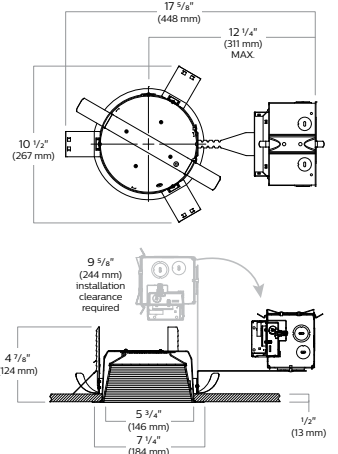Note: Consult factory for additional dimming options.

4" Round New construction
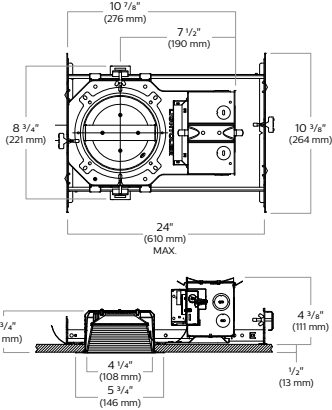
10 7/8" (276 mm)
7 1/2" (190 mm)
8 3/4" (221 mm)
10 3/8" (264 mm)
24" (610 mm) MAX.
2 3/4" (70 mm)
4 1/4" (108 mm)
5 3/4" (146 mm)
4 3/8" (111 mm)
1/2" (13 mm)

4" Round Remodeler

14 3/8" (365 mm)
11 1/2" (292 mm) MAX.
9 1/4" (235 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
4 1/4" (108 mm)
5 3/4" (146 mm)
1/2" (13 mm)

6" Round New construction

12 3/8" (314 mm)
8 1/4" (209 mm)
10 1/8" (257 mm)
10 3/8" (264 mm)
24" (610 mm) MAX.
3 3/8" (86 mm)
5 3/4" (146 mm)
7 1/4" (184 mm)
4 3/8" (111 mm)
1/2" (13 mm)

6" Round Remodeler

17 5/8" (448 mm)
12 1/4" (311 mm) MAX.
10 1/2" (267 mm)
9 5/8" (244 mm) installation clearance required
4 7/8" (124 mm)
5 3/4" (146 mm)
7 1/4" (184 mm)
1/2" (13 mm)

Certifications: cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified.

Performance-grade

Office
LyteProfile LED

Restaurant
LyteCaster LED accent

Single Family Residential
LyteCaster LED, LyteCaster LED adjustable and LyteCaster LED accent

Performance-grade

53

LyteCaster

round & square apertures

Defining general purpose LED downlights.

Ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame that is offered in two lumen packages. The downlight is wet location listed and comes in 3 standard options.

Features

- Sizes: 4", 5" & 6" round and square
- Efficacy: up to 90 lm/W
- CCT: 2700 K–4000 K
- Lumens: 650–2000
- CRI: 80 & 90 min.
- Wattage: 7–20 W
- Dimming: ELV/TRIAC & 0–10V
- Voltage: 120V or 120V–277V
- Lifetime: 50,000 hour (L70)

Housing

Series / Size / Shape	Lumens[1]		Installations (Airseal IC)	Dimming (Voltage) Version	
L4R 4-inch / Round	—	650lm	**A** New construction with screws	**E1VA**	ELV (120V) Version A
	10	1000lm	**AN** New construction with nails	**Z10UVA**	0–10V (Unv 120–277V)
L5R 5-inch / Round	—	1000lm	**R** Remodeler (06R, 10R or 15R)		Version A
	15	1500lm			
L6R 6-inch / Round	—	1500lm			
	20	2000lm			
L5R 5-inch / Round	—	700lm	**A** New construction with screws	**EWG1**	ELV / TRIAC (120V)
			AN New construction with nails		warm glow effect
L5R 5-inch / Round	**07**	700lm	**R** Remodeler		(can not specify
					with adjustable)

1. Leave lumens field blank to specify 4" 650lm, 5" 1000lm or 6" 1500lm configurations.

4" round & square apertures

4" housing

11 ¹/₂"
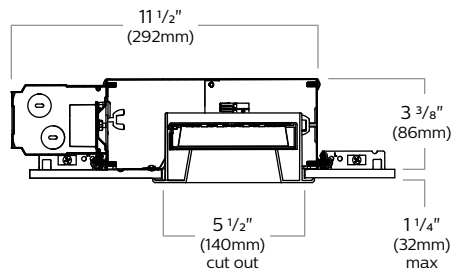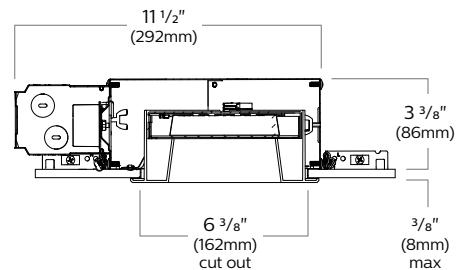(292mm)

3 ³/₈"
(86mm)

4 ³/₈"
(111mm)
cut out

1"
(25mm)
max
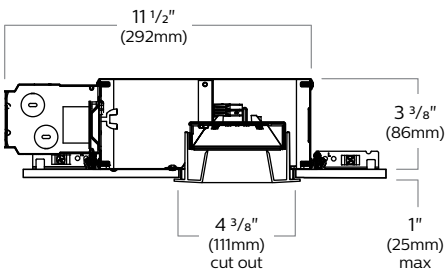
5" round & square apertures

5" housing

11 ¹/₂"
(292mm)

3 ³/₈"
(86mm)

5 ¹/₂"
(140mm)
cut out

1 ¹/₄"
(32mm)
max

6" round & square apertures

6" housing

11 ¹/₂"
(292mm)

3 ³/₈"
(86mm)

6 ³/₈"
(162mm)
cut out

³/₈"
(8mm)
max

Note: Square trims are configured with round housings and light engines.

Available in 3 aperture sizes: 4", 5", & 6". The 4" round delivers 650 and 1000 lumens, and 4" square delivers 1000 lumens. The 5" round delivers 1000 and 15000 lumens, and 5" square delivers 1000 lumens. A 5" round is also available with warm glow effect that delivers 700 lumens. The 6" round delivers 1500 and 2000 lumens, and 6" square delivers 1500 lumens.

Light engine

Series / Size / Shape	Lumens[1]	CRI / CCT	Version
L4R 4-inch / Round	**—** 650lm **10** 1000lm	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **835** 80 CRI / 3500 K **840** 80 CRI / 4000 K **927** 90 CRI / 2700 K **930** 90 CRI / 3000 K	**VA** Version A
L5R 5-inch / Round	**—** 1000lm **15** 1500lm		
L6R 6-inch / Round	**—** 1500lm **20** 2000lm		
L5R 5-inch / Round	**—** 700lm	**8WG** 80 CRI / 2700 K–2200 K / warm glow effect	

1. Leave lumens field blank to specify 4" 650lm, 5" 1000lm or 6" 1500lm configurations.

Trim

Series / Size	Shape / Type	Details / Finish
L4 LyteCaster 4-inch **L5** LyteCaster 5-inch **L6** LyteCaster 6-inch	**R** Round / Downlight **S** Square / Downlight	**DD** Downlight / Clear diffuse with white flange **DW** Downlight / White with white flange **BW** Baffle downlight / White with white flange

Warm glow effect
Create a warm, relaxing ambiance with warm glow effect. This cutting–edge technology reduces the color temperature to a warm glow when dimmed, taking LED dimming to new levels.

Round trims

RDD
Round open downlight with clear diffuse finish and white flange

RDW
Round open downlight with white finish and white flange

RBW
Round baffle downlight with white finish and white flange

Square trims

SDD
Square open downlight with clear diffuse finish and white flange

SDW
Square open downlight with white finish and white flange

SBW
Square baffle downlight with white finish and white flange

Note: Square trims are configured with round housings and light engines.

Certifications: IC rated for direct contact with thermal insulation.
Title 47 part 15 rated, cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT

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RoHS COMPLIANT

ENERGY STAR

LyteCaster Adjustable
round apertures

Defining general purpose LED downlights.

Ideal general purpose downlighting solution, providing comfortable, quality light. Available in new construction and remodeler frame with interchangeable light engine that is offered in two lumen packages. The downlight is damp location listed and comes in 3 standard options.

Features

- Sizes: 4", 5" & 6"
- Efficacy: up to 90 lm/W
- Lumens: 650–2000
- Wattage: 7–20 W
- Voltage: 120V or 120V–277V
- CCT: 2700 K–4000 K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC & 0–10V
- 50,000 hour rated life (L70)

Housing

Series / Size / Shape	Lumens				Installations (Airseal IC)		Dimming (Voltage) Version	
L4R 4-inch / Round	— 650lm		**10** 1000lm		**A**	New construction with screws	**E1VA**	ELV (120V) Version A
L5R 5-inch / Round	— 1000lm		**15** 1500lm		**AN**	New construction with nails	**Z10UVA**	0–10V (Unv 120–277V)
L6R 6-inch / Round	— 1500lm		**20** 2000lm		**R**	Remodeler (06R, 10R or 15R)		Version A
L5R 5-inch / Round	— 700lm				**A**	New construction with screws	**1**	ELV / TRIAC (120V)
					AN	New construction with nails		**Warm glow effect**
L5R 5-inch / Round			**07** 700lm		**R**	Remodeler		(can not specify with adjustable)

4" apertures

4" housing

11 1/2"
(292mm)

3 3/8"
(86mm)

4 3/8"
(111mm)
cut out

1"
(25mm)
max

5" apertures

5" housing

11 1/2"
(292mm)

3 3/8"
(86mm)

5 1/2"
(140mm)
cut out

1 1/4"
(32mm)
max

6" apertures

6" housing

11 1/2"
(292mm)

3 3/8"
(86mm)

6 3/8"
(162mm)
cut out

3/8"
(8mm)
max

Comprehensive
....
Downlight luminaires
....
Lytecaster adjustable
....

Available in 3 aperture sizes: 4″, 5″, & 6″. The 4″ round delivers 650 and 1000 lumens. The 5″ round delivers 1000 and 15000 lumens. The 6″ round delivers 1500 and 2000 lumens. All trims provide a 30° tilt adjustablibilty.

Light engine / Trim

Light engine is built into a round trim. No need to specify a trim.

Series / Size	Shape / Type	Details / Finish[1]	
L4 LyteCaster 4-inch	**RA** Round / Adjustable	**06 ___ WVA** **10 ___ WVA**	650lm (CRI/CCT) / White with white flange, Version A 1000lm (CRI/CCT) / White with white flange, Version A
L5 LyteCaster 5-inch	**RA** Round / Adjustable	**10 ___ WVA** **15 ___ WVA**	1000lm (CRI/CCT) / White with white flange, Version A 1500lm (CRI/CCT) / White with white flange, Version A
L6 LyteCaster 6-inch	**RA** Round / Adjustable	**15 ___ WVA** **20 ___ WVA**	1500lm (CRI/CCT) / White with white flange, Version A 2000lm (CRI/CCT) / White with white flange, Version A

1. Match CRI / CCT (827, 830, 835, 840, 927) from Light Engine configuration to the "___" placeholder.
   Warm glow effect is not available with Adjustable trims.

Round trims

RA
Round adjustable with white finish and white flange

Certifications: IC rated for direct contact with thermal insulation.
Title 47 part 15 rated, cULus listed for damp locations, RoHS compliant,
ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC
INSULATION
CONTACT

c **UL** us
LISTED

RoHS
COMPLIANT

ENERGY STAR

Value-grade

LyteCaster Accent

round & square apertures

Design versatility to fit any space.

Available in a variety of round and square accent styles and finishes with efficacies ranging up to 800 lm/W. A wide range of options that allow you to customize your lighting solution to best suit the application.

Features

- Sizes: 3"
- Efficacy: up to 72 lm/W
- Lumens: 800
- Wattage: 11 W
- Voltage: 120V or 120V–277V
- CCT: 2700 K–3500 K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC (10%)
- 50,000 hour rated life (L70)

Housing

Series / Size **L3**	Installations (Airseal IC)		Dimming	Voltage
L3 LyteCaster 3-inch accent	**A** New construction with screws (Non-IC) **AN** New construction with nails (Non-IC) **C** Remodeler (Non-IC)[1]		**E** ELV/TRIAC	**1** 120V
	N New construction (Non-IC)		**Z10** 0-10V	**U** Universal 120/277V

Light engine

Series / Size **L3**	Lumens **08**	CRI / CCT	Beam	Option
L3 LyteCaster 3-inch accent	**08** 800 lm	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **835** 80 CRI / 3500 K	**S** Spot (17°) **NF** Narrow Flood (22°) **F** Flood (33°)	**—** None
		927 90 CRI / 2700 K **930** 90 CRI / 3000 K[2]	**S** Spot (17°) **NF** Narrow Flood (22°) **F** Flood (33°)	**CW** CrispWhite[2]

Trims

Downlight   Adjustable   Gimbal

Lensed wall wash   Shower   Adjustable pinhole

Downlight   Adjustable

Lensed wall wash   Shower

Series **L3**	Shape / Type	Style
L3 LyteCaster 3-inch accent	**RD** Round / Downlight **RA** Round / Adjustable[1] **RLW** Round / Lensed Wall Wash[3]	**C** Chrome Cone with white flange **D** Diffuse Cone with white flange **W** White Cone with white flange
	RB Round / Baffle Downlight **RAB** Round / Baffle Adjustable	**W** White Baffle with white flange
	RAP Round / Adjustable Pinhole **RG** Round / Gimbal[4] **RS** Round / Shower Light **SLW** Square / Lensed Wall Wash[3] **SS** Square / Shower Light	**A** Aluminum **B** Black (gimbal only) **W** White
	SD Square / Downlight **SA** Square / Adjustable[1]	**D** Diffuse Cone with white flange **DA** Diffuse Cone with aluminum flange **W** White Cone with white flange (downlight only)

1. Remodeler frame is not compatible with adjustable trim.
2. The 3000K (30) and CrispWhite (CW) options must be ordered together.
3. Lensed wall wash (LW) is only available in Narrow flood (NF) and Flood (F) beam spreads
4. Gimbal (G) trims come with accessory holder (see spec sheets for complete listings of accessories).

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated, cULus listed for wet locations, RoHS compliant, IP rated, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT   c UL us LISTED   RoHS COMPLIANT   ENERGY STAR

Comprehensive
....
Downlight luminaires
....
Lytecaster accent
....

Restaurants
LyteCaster LED accent

Multi-Family Residential
Surface-mount downlight

Single Family Residential
SlimSurface LED

SlimSurface

round & square apertures

An easy to install architecturally pleasing low profile downlight.

Leverages the latest LED technology, and featuring a similar performance to typical recessed downlights but in a surface mount design. Delivering high lumen output and great visual comfort, this 5/8" surface mount downlight is appealing to both specifiers and contractors.

Features

- Sizes: 4" & 6" square and 5", 7" & 10" round
- Efficacy: up to 94 lm/W
- Lumens: 650, 1000 & 2200
- Wattage: 9W, 12W & 28W
- Voltage: 120V & 120V–277V
- CCT: 2700K–4000K
- CRI: 80 & 90 min.
- Dimming: ELV/TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Square 4" & 6" luminaire

example: S4S830K7   example: S6S830K10AL

Round 5", 7" & 10" luminaire

example: S5R830K7   example: S7R830K10AL   example: S10R830K22BK

Luminaire

Series	Size / Shape	CRI / CCT	Lumens	Finish	Dimming (Voltage)
S					
S SlimSurface	**4S** 4-inch / Square **5R** 5-inch / Round **6S** 6-inch / Square **7R** 7-inch / Round **10R** 10-inch / Round	**827K** 80 CRI / 2700 K CCT **830K** 80 CRI / 3000 K CCT **835K** 80 CRI / 3500 K CCT **840K** 80 CRI / 4000 K CCT **927K** 90 CRI / 2700 K CCT **930K** 90 CRI / 3000 K CCT	**7** 650 lm (S5R & S4S only) **10** 1000 lm (S7R & S6S only) **22** 2200 lm (S10R only)	**—** White **AL** Aluminum **BK** Black **MT** Metal[2]	—— ELV / TRIAC (120V)
				W White **AL** Aluminum **BK** Black **MT** Metal[2]	**Z10U** 0–10V (Universal 120–277V)

1. The 10" Round (S10R) installs into 4–11/16" J-box (damp location listed).
2. The Metal (MT) finish is only available with 10" Round (S10R) configurations.

Square 4" aperture
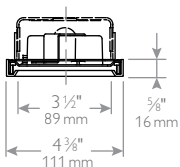
3 1/2" 89 mm
5/8" 16 mm
4 3/8" 111 mm

Square 6" aperture

5 1/2" 138 mm
5/8" 16 mm
6 3/8" 161 mm

Round 5" aperture

Ø 4 1/2" 115 mm
5/8" 16 mm
Ø 5 3/8" 137 mm

Round 7" aperture

Ø 7" 179 mm
5/8" 16 mm
Ø 7 7/8" 201 mm

Round 10" aperture

Ø 9 5/8" 244 mm
5/8" 16 mm
Ø 10 5/8" 269 mm
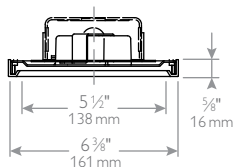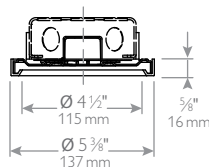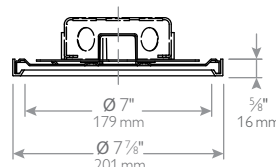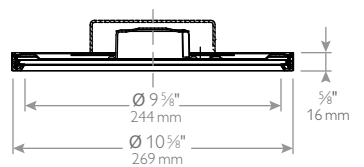
Certifications: cULus listed for damp locations (covered wall or ceiling and suitable for ceiling mounted wet locations when installed per instructions except for 10"), RoHS compliant, ENERGY STAR® certified.

c (UL) us LISTED

RoHS COMPLIANT

ENERGY STAR

CorePro LED
round apertures

Less money, bigger impact.

An affordable solution for customers accustomed to the economic price and light output of an incandescent and compact fluorescent system. New construction and Remodeler frame-in kits available.

Retrofit standard (E26) socket adapter included with each trim.

Features

- Sizes: 4", 5" & 6" round
- Efficacy: 63-89 lm/w
- Lumens: 800-1200
- Wattage: 11W-16W
- Voltage: 120V (50/60 Hz)
- CRI: 80 & 90 min.
- CCT: 3000K & 4000K
- Dimming: TRIAC (10%)
- Lifetime: 50,000 hour (L70)

CP_RN
new construction frame w/LED connector

CP_RR
remodeler frame w/LED connector

Frame

Series CP	Size	Shape R	Installation
CP Core Pro downlight	**4** 4-inch **5** 5-inch **6** 6-inch	**R** Round	**N** New Construction (Airseal IC) **R** Remodeler (Airseal IC)

Other compatible frames

4" aperture
P4/P4R/P4ASIC
P4GU/P4RGU
R4/RR4/R4ASICG
FDIC4V50

5" aperture
1004IC/1004ICR
CR5QP/CRR5QP

6" aperture
1104IC
CR1NBQP/QL6NBQP
P6GU/P6RGU
PR75ASIC/PRR75ICX
FD2IC6V90

Luminaire

Series CP	Size	Shape R	Shape B	Lumens, CRI, CCT	Finish W
CP Core Pro downlight	**4** 4-inch	**R** Round	**B** Baffle	**07830** 800 lm, 80 CRI, 3000 K **07930** 800 lm, 90 CRI, 3000 K **07840** 800 lm, 80 CRI, 4000 K	**W** White (matte)
	5 5-inch	**R** Round	**B** Baffle	**08830** 950 lm, 80 CRI, 3000 K **08930** 950 lm, 90 CRI, 3000 K **08840** 950 lm, 80 CRI, 4000 K	
	6 6-inch	**R** Round	**B** Baffle	**07830** 800 lm, 80 CRI, 3000 K **10830** 1200 lm, 80 CRI, 3000 K **10930** 1200 lm, 90 CRI, 3000 K **10840** 1200 lm, 80 CRI, 4000 K	

Round 4" aperture

3 5/16" 84 mm
Ø 3 11/16" 96 mm
Ø 5 1/16" 128 mm
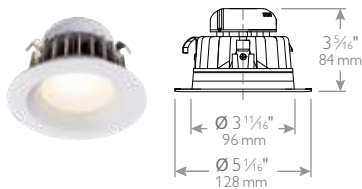
example: CP4RB07930W

Round 5" aperture

3 5/16" 84 mm
Ø 5 1/16" 128 mm
Ø 6 1/2" 165 mm
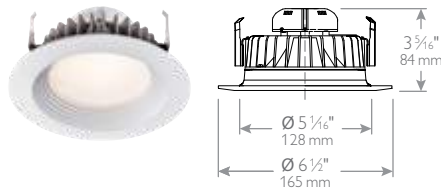
example: CP5RB08930W

Round 6" aperture

3 5/8" 92 mm
Ø 5 11/16" 145 mm
Ø 8" 203 mm
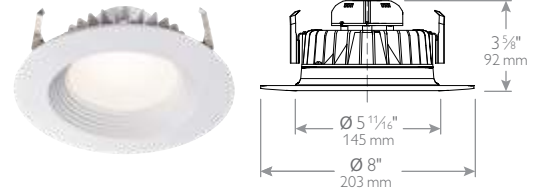
example: CP6RB10930W

Certifications: Title 24 rated, cULus listed for wet locations, RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

Value-grade

61

Surface-mount
round apertures

Simple to specify and simpler to install.

Perfect when faced with a challenging ceiling, but a refined-looking LED downlight is required, look no further. With a modern, clean, slim profile, Lightolier new LED Surface-mount downlight has everything you need.

Features

- Sizes: 5", 7" round
- Efficacy: min 69 lm/w
- Lumens: 700–1000
- Wattage: 10W–15W
- Voltage: 120V (50/60 Hz)
- CRI: 90 min.
- CCT: 3000 K
- Dimming: TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Round 5" luminaire

example: SD5R079301W

Round 7" luminaire

example: SD7R099301W

Luminaire

Series SD		Size	Shape R	Lumens	CRI 9	CCT 30	Voltage 1	Finish W
SD	Surface-mount downlight	**5** 5-inch	**R** Round	**07** 700 lm	**9** 90	**30** 3000 K	**1** 120V	**W** White (white)
		7 7-inch	**R** Round	**09** 1000 lm				

Round 5" aperture
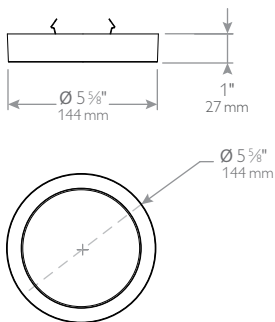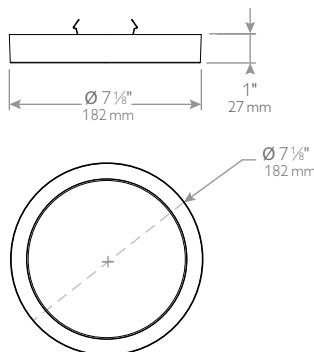
Ø 5 ⅝"
144 mm

1"
27 mm

Ø 5 ⅝"
144 mm

Round 7" aperture

Ø 7 ⅛"
182 mm

1"
27 mm

Ø 7 ⅛"
182 mm

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated (JA8-2016), cETLus listed for wet locations (ceiling-mounted), RoHS compliant, ENERGY STAR® certified.

IC INSULATION CONTACT

RoHS COMPLIANT

ENERGY STAR

Retrofit downlight
round apertures

LED retrofit in a snap.

Installation that is super easy and will save you lots of time and frustration on the job site. You will love how hassle-free this LED downlight is, with a quick connect plug and medium base socket adapter included, you may not even need to open your toolbox.

Features

- Sizes: 4" & 5/6" round
- Efficacy: up to 78 lm/w
- Lumens: 900–1400 lm
- Wattage: 12W (4"), 18W (5/6")
- Voltage: 120V (50/60 Hz)
- CRI: 90 min.
- CCT: 3000 K
- Dimming: ELV/TRIAC (10%)
- Lifetime: 42,000 hour (L70)

An affordable solution for new construction or remodelling

Round 4" luminaire

example: RD4R089301W

Round 5/6" luminaire

example: RD5R129301W

Luminaire

Series **RD**		Size	Shape **R**	Lumens	CRI **9**	CCT **30**	Voltage **1**	Finish **W**
RD	Retrofit downlight	**4** 4-inch	**R** Round	**08** 900 lm	**9** 90	**30** 3000 K	**1** 120 V	**W** White (matte)
		5 5/6-inch	**R** Round	**12** 1400 lm				

Round 4" aperture

2 ½"
65 mm

Ø 5 ⅝"
145 mm

Round 5/6" aperture

3"
75 mm

Ø 7 ½"
190 mm
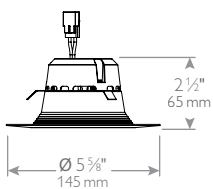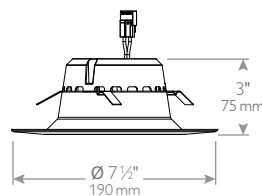
1004IC
5" Lytening
IC frames

1104IC
6 ¾" Lytening
IC frames

Compatible 4" frames

3 ⁷/₈" (100mm) min to 4 ¹/₈" (105mm) max dia. and 5 ⁵/₈" (142mm) height

CP4RN / CP4RR & FDIC4V50
P4 / P4R / P4ASIC / P4GU / P4RGU
R4 / RR4 / R4ASICG

Compatible 5/6" frames

5 ¹/₂" (140mm) min to 6" (152mm) max dia. and 7 ³/₈" (188mm) height

CP6RN / CP6RR / CR1NBQP & FD2IC6V90
P6GU / P6RGU / PR75ASIC / PRR75ICX
QL6NBQP & 1104IC
1004IC / 1004ICN / 1004ICNS
1004ICQ / 1004ICNQ

Certifications: IC rated for direct contact with thermal insulation. Title 24 rated (JA8-2016), cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified.

IC INSULATION CONTACT

CLASSIFIED c UL us

RoHS COMPLIANT

ENERGY STAR

Budget-grade

Flat downlight
round & square apertures

Bring new depth to your designs.

Provides an easy and quick downlight solution without the traditional frame, reflector and trim. Perfect for installation in existing ceilings or new construction with the benefits of energy saving LED technology.

Features

- Sizes: 4" & 6" round and 4" & 6" square
- Efficacy: up to 60 lm/w   · CRI: 90 min.
- Lumens: 700–900 lm   · CCT: 3000 K
- Wattage: 12 W (4"), 15 W (6")   · Dimming: ELV/TRIAC (10%)
- Voltage: 120 V (50/60 Hz)   · Lifetime: 50,000 hour (L70)

Round luminaire

example: FD4R07930TE1W

Square luminaire

example: FD6S09930TE1W

Luminaire

Series	Size	Shape	Lumens	CRI	CCT	Dimming	Voltage	Finish
FD				**9**	**30**	**TE**	**1**	**W**
FD Flat Downlight	**4** 4-inch	**R** Round **S** Square	**07** 700 lm	**9** 90	**30** 3000 K	**TE** TRIAC & ELV	**1** 120 V	**W** White (matte)
	6 6-inch	**R** Round **S** Square	**09** 900 lm					

Accessories

Series	Model
FD	
FD Flat Downlight	**RN** Round new construction plate **SN** Square new construction plate **06C** 6' extension cable **20C** 20' extension cable

Round 4" aperture
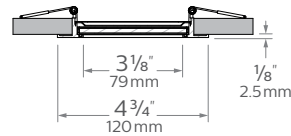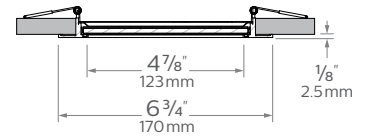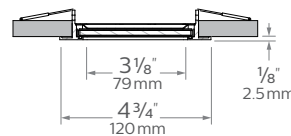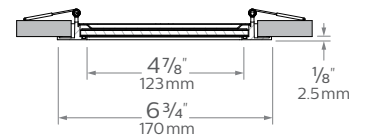
3 1/8"
79 mm
4 3/4"
120 mm
1/8"
2.5 mm

Round 6" aperture

4 7/8"
123 mm
6 3/4"
170 mm
1/8"
2.5 mm

Square 4" aperture

3 1/8"
79 mm
4 3/4"
120 mm
1/8"
2.5 mm

Square 6" aperture

4 7/8"
123 mm
6 3/4"
170 mm
1/8"
2.5 mm

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated (JA8–2016), cULus listed (UL 1598) for wet locations (covered ceiling only), RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT   c **UL** us LISTED   **RoHS** COMPLIANT   energy **ENERGY STAR**

Mini Downlight & Gimbal
round apertures

Comprehensive
....
Downlight luminaires
....
**Flat downlight,
Mini Downlight
and Mini Gimbal**
....

Miniature aesthetic with baffle design.

Easily adjustable below ceiling to highlight the object or surface. The small detachable junction box eliminates the need for a traditional frame or bulky remodeler kit, making installation quick and easy.

Features

- Sizes: 3" round
- Efficacy: 69 lm/w
- Lumens: 550
- Wattage: 8W
- Voltage: 120V (50/60Hz)
- CRI: 90 min.
- CCT: 3000K
- Dimming: TRIAC (10%)
- Lifetime: 50,000 hour (L70)

Fixture

Series MD3R	Lumens 06	CRI 9	CCT 30	Voltage 1	Beam F	Finish W
MD3R Mini downlight 3-inch Round	**06** 550lm	**9** 90CRI	**30** 3000K	**1** 120V	**F** Flood	**W** White

Series MG3R	Lumens 06	CRI 9	CCT 30	Beam NF	Voltage 1	Finish W
MG3R Mini gimbal 3-inch Round	**06** 550lm	**9** 90CRI	**30** 3000K	**NF** Narrow Flood	**1** 120V	**W** White

Accessories

Series MD	Model
MD Mini downlight	**RN** Round new construction plate **06C** 6' extension cable **20C** 20' extension cable

3" Mini downlight
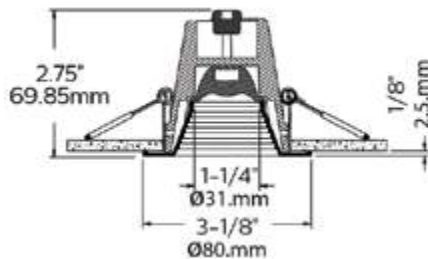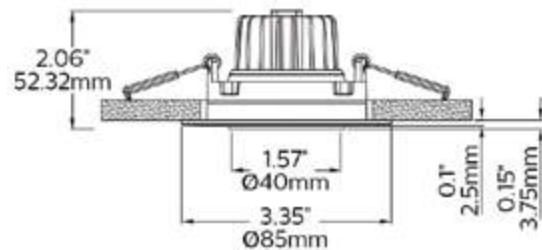
2.75"
69.85mm
1/8"
2.5.mm
1-1/4"
Ø31.mm
3-1/8"
Ø80.mm

3" Mini gimbal

2.06"
52.32mm
1.57"
Ø40mm
3.35"
Ø85mm
0.1"
2.5mm
0.15"
3.75mm

Certifications: IC rated for direct contact with thermal insulation.
Title 24 rated (JA8-2016), cETLus listed for damp locations (ceiling-mounted),
RoHS compliant, ENERGY STAR® certified and featuring AirSeal for minimal air leakage.

IC INSULATION CONTACT   **ETL** INTERTEK C LISTED US   **RoHS COMPLIANT**   **energy ENERGY STAR**

Budget-grade

65

Decorative elements

Utilizes pure geometric forms that feature superior materials in perfect balance.

Vetro decorative elements are a definitive design statement utilizing balance and proportions. With uncompromising style and the look of clean, spare elegance, Vetro Downlights open a world of creative potential. Designed for stand-out style or a reserved minimal look, these downlight accessories offer unlimited scope for a broad variety of applications – all within the same design family.

Specification–grade

Micro Vetro For use with Calculite LED 1.75" Micro downlights
round & square apertures   pg. 68

Vetro For use with Calculite LED 4" & 6" downlights
round apertures   pg. 69

Vetro PM
suspended pendants
pg. 70

Vetro PS
suspended pendants
pg. 71

Vetro PW
wall sconce
pg. 72

Micro Vetro

round & square apertures

Architectural decorative 2" accessories with satin aluminum rings.

Solid forms of decorative transparency teamed with frosted layers and lighting present an elegant look. Light floats upward to create a delicate ceiling wash which adds yet more interest and definition to a space.
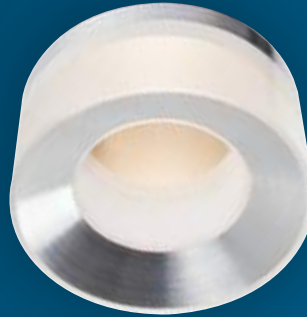
D2LR01
Round acrylic
with aluminum insert

1 5/16"
33mm

r 3/4"
19mm

r 1 3/8"
35mm

ø 2 3/4"
70mm

D2LR02
Round acrylic

1 5/16"
33mm

r 3/4"
19mm

r 1 3/8"
35mm

ø 2 3/4"
70mm

D2LR03
Round opal glass

1 5/16"
33mm

r 13/16"
21mm

r 1 3/8"
35mm

ø 2 3/4"
70mm

r 15/16"
24mm

D2LS01
Square acrylic

1 3/8"
35mm

1 1/4"
32mm

2 3/4"
70mm
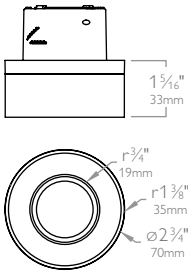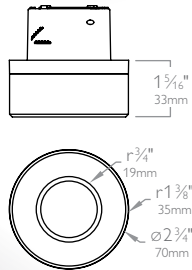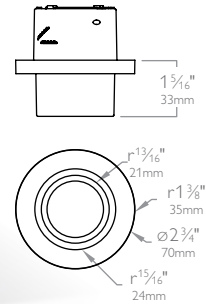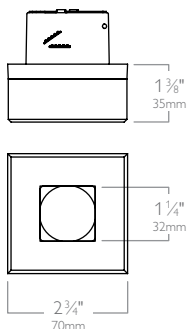
D2LS02
Square opal glass

1 1/4"
32mm

1 3/8" 1 11/16"
35mm 43mm

2 3/4"
70mm
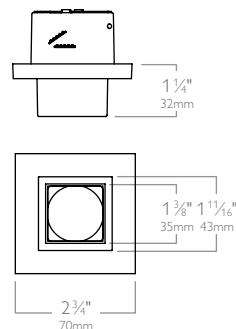
Vetro
round apertures

Comprehensive
....
Decorative elements
....
Micro Vetro & Vetro
....

The perfect compliment to Calculite downlights.

The light from these luminaire accessories is released in layered complexity. Subtle light patterns are revealed as light emanates in differing patterns when viewed from various angles. A satin aluminum ring adds to the finely engineered look.
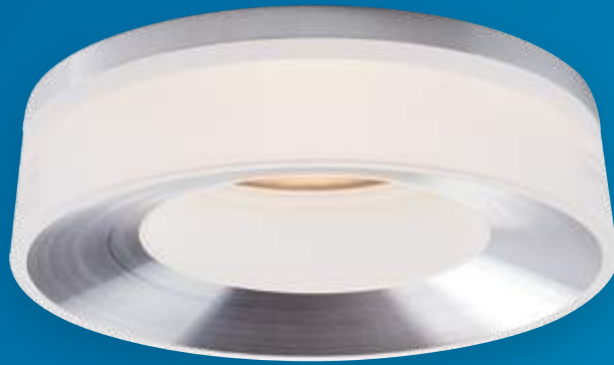
For use with Calculite LED 4" downlights

D4A01
Round acrylic
with aluminum insert
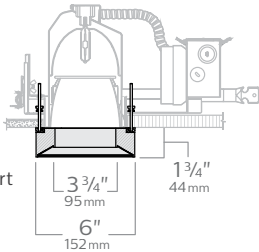
3 3/4" 95 mm
1 3/4" 44 mm
6" 152 mm

D4A02
Round acrylic
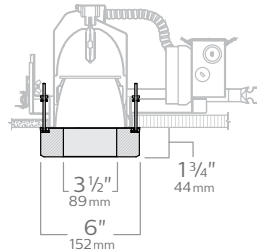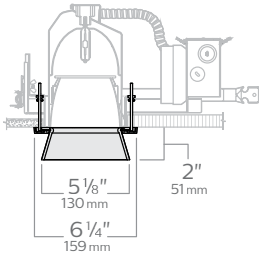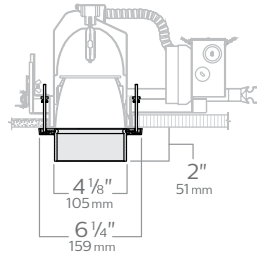
3 1/2" 89 mm
1 3/4" 44 mm
6" 152 mm

D4A03
Round angled
double opal glass

5 1/8" 130 mm
2" 51 mm
6 1/4" 159 mm

D4A04
Round opal glass

4 1/8" 105 mm
2" 51 mm
6 1/4" 159 mm

Trim kit must be ordered separately. All combinations required the appropriate Calculite frames.

For use with Calculite LED 6" downlights

D6A01
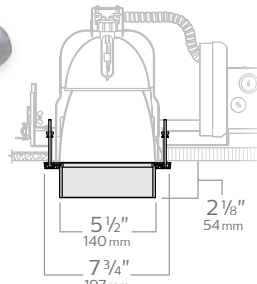Round acrylic
with aluminum insert
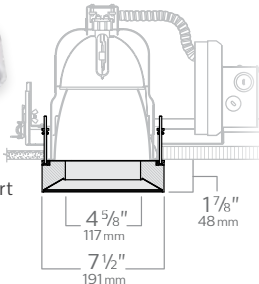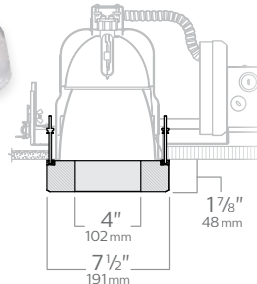
4 5/8" 117 mm
1 7/8" 48 mm
7 1/2" 191 mm

D6A02
Round acrylic

4" 102 mm
1 7/8" 48 mm
7 1/2" 191 mm

D6A03
Round angled
double opal glass

6 5/8" 168 mm
2 1/8" 54 mm
7 3/4" 197 mm

D6A04
Round opal glass

5 1/2" 140 mm
2 1/8" 54 mm
7 3/4" 197 mm

Trim kit must be ordered separately. All combinations required the appropriate Calculite frames.

Specification-grade

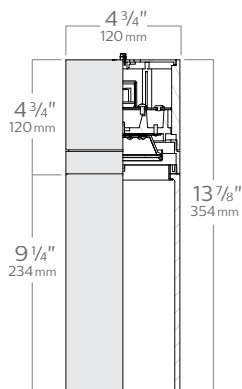69
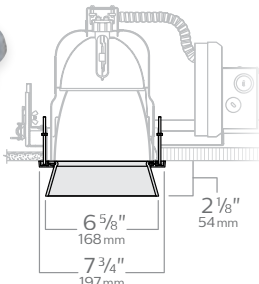
Vetro PM

suspended pendants

A bold statement in light.

Dynamic architectural precision fused with a slender aesthetic delivers superior illumination. These bold pendants present a refined profile to accent select spaces.

PM luminaire

Fixture consists of **Power Head** + **Glass Element** + **Suspension Kit** (see page 73).

4 3/4"
120 mm

4 3/4"
120 mm

13 7/8"
354 mm

9 1/4"
234 mm

PM with PG01

Satin machined aluminum and hand–blown opal glass. A handsome proportion of materials engineered to provide a functional design element and an efficient luminaire.

PM02LW35SAU

with PG01

Power Heads, Glass Element and Suspension Kits ship separately.

Power Heads

Comprised of die–cast and extruded aluminum components with a brushed clear lacquer finish.

Series	Wattage	Source	CCT	Finish	Voltage
PM	**02**	**LW**		**SA**	**U**
PM Decorative Pendants	02 24W	LW LED	27 2700K 30 3000K 35 3500K 40 4000K	SA Satin Aluminum	U Universal 120/277 V

Glass Element

A primary diffuser comprised of opal acrylic.

Series
PG01
PG01   4 3/4" Opal Glass Element (required for all glass options)

Two–piece machined aluminum housing contains electrical components.
Hand–blown Triplex glass provides an even spread of illumination along the length of the glass element.

Comprehensive
....
Decorative elements
....
Vetro pendants
....

Vetro PS

suspended pendants

Grace and style in light.

The geometric expression of capturing straight and
flared together in a sharp aesthetic enhances select
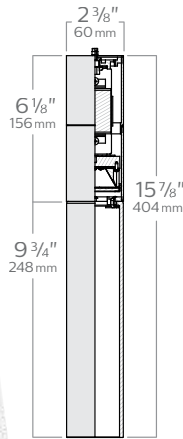spaces. The bold effect adds definition to its appeal.

PS luminaire

Fixture consists of **Power Head** + **Glass Element** + **Suspension Kit** (see page 73).

2 3/8" 60 mm
6 1/8" 156 mm
15 7/8" 404 mm
9 3/4" 248 mm

PS with SG01L

Satin machined aluminum
and hand-blown opal glass
provides a basic accent
of light to stand alone or
designed in arrays.

PS01LW35SAU

with SG01L

Power Heads, Glass Element and
Suspension Kits ship separately.

2 3/8" 60 mm
6 1/8" 156 mm
15 1/8" 384 mm
9" 228 mm
5 1/2" 140 mm
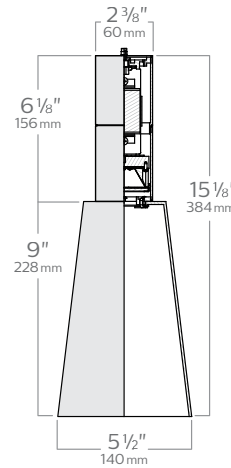
PS with SG03L

Satin machined aluminum
and hand-blown opal glass.
Parallel lines of the symmetric
power head diverge when
fused to the conical hand
blown glass.

PS01LW35SAU

with SG03L

Power Heads, Glass Element and
Suspension Kits ship separately.

Power Heads
Comprised of die-cast and extruded aluminum components with a brushed clear lacquer finish.

Series PS	Wattage 01	Source LW	CCT	Finish SA	Voltage U
PS Decorative Pendants	01 8W	LW LED	27 2700K 30 3000K 35 3500K 40 4000K	SA Satin Aluminum	U Universal 120/277 V

Glass Element
A primary diffuser comprised of opal acrylic.

Series
SG01L   2 3/8" Opal Glass Element (required for all glass options) SG03L   5 1/2" Opal Glass Element (required for all glass options)

Two-piece machined aluminum housing contains electrical components.
Hand-blown Triplex glass provides an even spread of illumination along the length of the glass element.

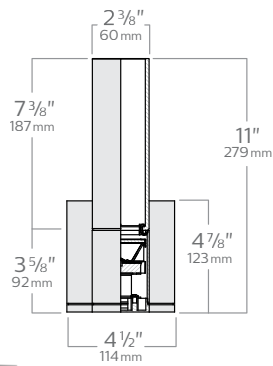**Specification-grade**

Vetro PW
wall sconce

Reflections of uniformity.

A combination of two basic geometric forms, the cylinder and the cone. A source of ambient illumination presented under a cylindrical section of glass.
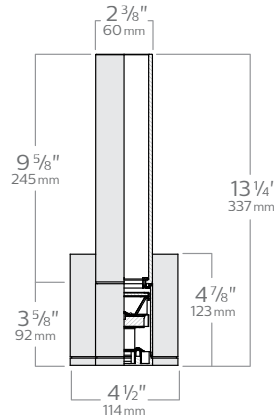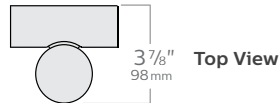
PW luminaire

Fixture consists of **Power Head** + **Glass Element**.

PW with SG02L

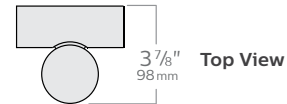Cast and machined components Hand-blown 8" triplex glass.

2 ³⁄₈" 60 mm
7 ³⁄₈" 187 mm
11" 279 mm
3 ⁵⁄₈" 92 mm
4 ⁷⁄₈" 123 mm
4 ¹⁄₂" 114 mm

PW01LW35SAU
with SG02L

Power Heads and Glass Element ship separately.

3 ⁷⁄₈" 98 mm **Top View**

PW with SG01L

Cast and machined components. Hand-blown 10" triplex glass.

2 ³⁄₈" 60 mm
9 ⁵⁄₈" 245 mm
13 ¹⁄₄" 337 mm
3 ⁵⁄₈" 92 mm
4 ⁷⁄₈" 123 mm
4 ¹⁄₂" 114 mm

PW01LW35SAU
with SG01L

Power Heads and Glass Element ship separately.

3 ⁷⁄₈" 98 mm **Top View**

Power Heads

Comprised of die-cast and extruded aluminum components with a brushed clear lacquer finish.

Series	Wattage	Source	CCT	Finish	Voltage
PW	**01**	**LW**		**SA**	**U**
PW Decorative Sconce	01 8W	LW LED	27 2700K 30 3000K 35 3500K 40 4000K	SA Satin Aluminum	U Universal 120/277 V

Glass Element

A primary diffuser comprised of opal acrylic.

Series
SG01L   10" Opal Glass Element (required for all glass options) SG02L   8" Opal Glass Element (required for all glass options)

Two-piece machined aluminum housing contains electrical components.
Hand-blown Triplex glass provides an even spread of illumination along the length of the glass element.

Specification-grade

Comprehensive
....
Decorative elements
....
Vetro wall sconce
....

Accessories
suspension kits

Architectural decorative pendant with satin aluminum housings.

Clear, defined, slim and elegant Vetro pendants layer light and
air to bring an architectural aesthetic to a variety of spaces.
The Vetro look of refined, spare elegance is accomplished with
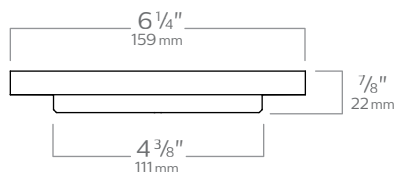satin machined aluminum paired with hand-blown opal glass.

Close to Ceiling kit

CTC: Close to ceiling kit includes satin aluminum canopy (3" length).

4 5/8" 117 mm
3/8" 10 mm
2 5/8" 67 mm
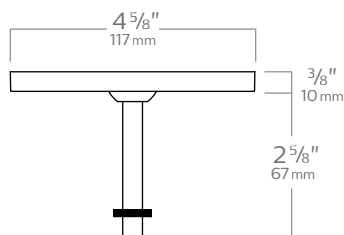
Surface Mount kit

SMK: Surface Mount kit mounts the following fixtures directly to the ceiling: PM (6 3/8" diameter).
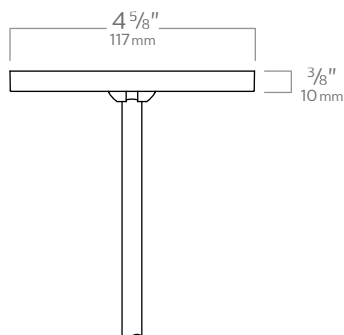
6 1/4" 159 mm
7/8" 22 mm
4 3/8" 111 mm

Stem kit

Stem kit includes satin aluminum stem with matching canopy.

ST01: (3ft. length 3/8" diameter).

ST02: (5ft. length 3/8" diameter).

4 5/8" 117 mm
3/8" 10 mm

Cable/Cord kit

Cable/Cord kit includes clear jacketed steel braided power cord and metal aircraft cable with satin aluminum canopy.

SK01: Includes 3 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (10ft. length).

SK02: Includes 4 solid aluminum lobster claws to neatly secure the steel jacketed power cord to the aircraft cable (25ft. length).

SK01X5: Same specifications as SK01 (for LED version only). Includes 5-Wire configuration for optional 0-10V dimming.

4 5/8" 117 mm
3/8" 10 mm

Lobster Claw
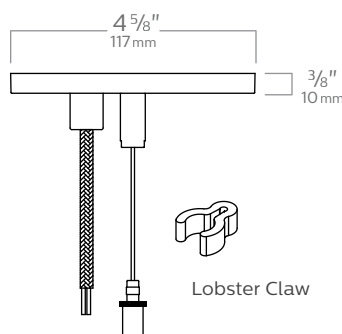
Track Mount kit

TM01: Track mounting kit includes clear jacketed steel braided power cord and metal aircraft cable (10ft. length). Finish of adapter body is silver powder coat and the adapter mounts to Lightolier Lytespan Track.

1 1/2" 38 mm
3 3/4" 95mm
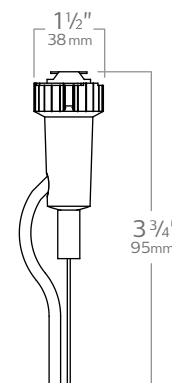
Downlight Details

Architectural decorative downlights accessories

Decorative element are mechanically secured to the die cast construction ring and the integral reflector from the factory.

Die cast construction ring: Exterior edge of construction ring is visible, satin aluminum finish matches diameter of decorative element for a flangeless appearance. Aluminum die cast finish ring with crisp 90° edges conceals all fasteners for a clean finished appearance.

Integral reflector: 16 ga. aluminum, 50° visual cutoff to lamp and lamp image. Decorative Element is mechanically attached to reflector via die cast ring. Reflector is specular clear for best performance and aesthetics.

Cover glass: 4" Evolution contains high temperature perimeter frost.

Trim kit: For 4" Evolution, trim kit, reflector and decorative element ship complete.

Frame-in kit: Specified separately. See frame-in kit specification sheet for details.

Labels

Decorative Pendants and Downlight Elements are cULus Listed. Suitable for Damp Locations.

Specification-grade

Track luminaires

We offer a wide variety of track
luminaires to fit any of your project
needs: from retail to residential
to commercial.

As the LED technology continues to evolve, Lightolier integrated
LED track luminaires are more compact and versatile than
ever before. From general lighting to accent lighting, there are
a variety of product families to choose from that can provide
the right lighting for the right application, all with the trusted
Lightolier quality.

All LED track luminaires feature a rated lifetime of 50,000
hours at 70% lumen maintenance along with a 5-year
limited warranty. All product families are UL Listed and most
configurations comply with ENERGY STAR® certification. Most
luminaires offer aluminum, matte white and matte black finishes.

Specification-grade

Alcyon vertical
track mount   pg. 76

Alcyon vertical
recessed multiple   pg. 78

Alcyon horizontal
track mount   pg. 80

OmniSpot
track mount   pg. 82

OmniSpot
recessed multiple   pg. 84

Performance-grade

Spot LED
track mount   pg. 86

Spot LED
recessed multiple   pg. 88

LyteFlood
track mount   pg. 90

Value-grade

Gimbal LED
track mount   pg. 91

CorePro LED
track mount   pg. 92

Track Head
track mount   pg. 94

Tangent
track mount   pg. 96

Alcyon vertical

Taking LED accent lighting to the next level

Alcyon LED vertical is a single-optic LED platform designed with a balance of form, function and visual comfort. Its industry leading efficacy and candlepower levels offer customers a low energy consumption solution that provides maximum light output at minimum watts per square foot.

Accommodates multiple accessories.

Features

- Efficacy: Up to 93 lm/W at 3000K
- Lumens (Watts): 900 lm (9 W), 1300 lm (14 W), 2000 lm (21 W), 3000 lm (34 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 4000 K
- Color Rendering Index (CRI): 80–90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90CRI/3000K combination

Components

1. Fixture
2. Reflector
3. Accessory holder
4. Accessory spring
5. Diffusion filters
6. Hex cell louver
7. Snoot
8. Aperture ring

Fixture

example: LLAV30930BKCW

Series	Lumens (W)	CRI/CCT	Adapters	Finishes[1]	Options
LLAV					
LLAV Alcyon LED vertical	**01** 900 lm (9 W) **11** 1300 lm (14 W) **20** 2000 lm (21 W) **30** 3000 lm (34 W)	**27** 80 CRI/2700 K **30** 80 CRI/3000 K **40** 80 CRI/4000 K **927** 90 CRI/2700 K	**—** Lightolier **H** Halo **J** Juno **P** Prospec[2]	**AL** Alum. **WH** White **BK** Black	**—** None (leave blank)
		930 90 CRI/3000 K[1]	**—** Lightolier **H** Halo **J** Juno **P** Prospec[2]	**AL** Alum. **WH** White **BK** Black	**CW** CrispWhite[3]

1. All fixtures are painted with matte finishes.
2. Prospec is only offered in White (WH) and Black (BK).
3. CrispWhite (CW) is only available with 90CRI / 3000K CCT (930).

Reflector

example: LLAV12RF

Series	Lumens (Watts)	Beam spreads
LLAV		
LLAV Alcyon LED vertical	**11** 900 lm (9 W) 1300 lm (14 W) 2000 lm (21 W)	**RNS** 10° Narrow Spot **RS** 18° Spot **RNF** 24° Narrow Flood **RF** 36° Flood
	12 3000 lm (34 W)	**RNS** 11° Narrow Spot **RS** 17° Spot **RNF** 24° Narrow Flood **RF** 36° Flood

Interchangeable reflectors along with the widest range of accessories help designers customize the light output to create the perfect environment and to offer added flexibility.

Narrow Spot   **Spot**   **Narrow Flood**   **Flood**

Accessories

example: 23SNT6BK

Series		Finishes	
Accessory holders			
LLAV11AH	for 9 W, 14 W & 21 W series	**AL**	Aluminum
LLAV12AH	for 34 W series	**WH**	Matte White
		BK	Matte Black
Snoots			
LLA11SN	for 9 W, 14 W & 21 W series	**AL**	Aluminum
23SNT6	for 34 W series	**WH**	Matte White
		BK	Matte Black
Diffusion filters			
LLAV11	for 9 W, 14 W & 21 W series	**LS**	Linear Spread
LLAV12	for 34 W series	**SY**	Symmetrical Spread
		SF	Soft Focus
		FR	Frosted Etched
Color filters			
ADF4	for 34 W series		
Hex cell louvers (matte black)			
LLAHCA11	for 9 W, 14 W, & 21 W series		
AL4HC	for 34 W series		

Mounting

Compatible with all Monopoint, Multipoint, recessed track, suspension track, suspension stems, sloped ceiling adapters as well as Basic, Advent and Radius track systems. Ceiling and horizontal or vertical wall mounted.

Complete product is comprised of a fixture, reflector and a combination of optional accessories.

Specification-grade

Comprehensive
....
Track luminaires
....
Alcyon vertical
....

Flexibility in lumen output and beam angle allows for optimal lighting designs including extremely tight accent applications.
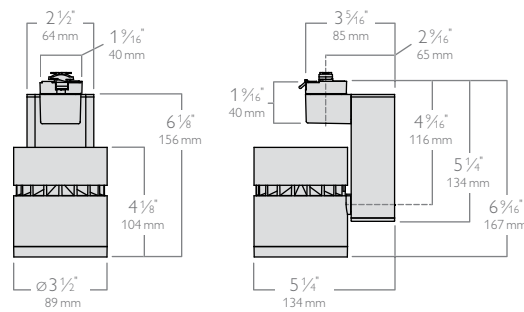
Actual size

Aperture ring allows for multiple accessories.

LLAV01 & LLAV11

900 lm (9 W) & 1300 lm (14 W)
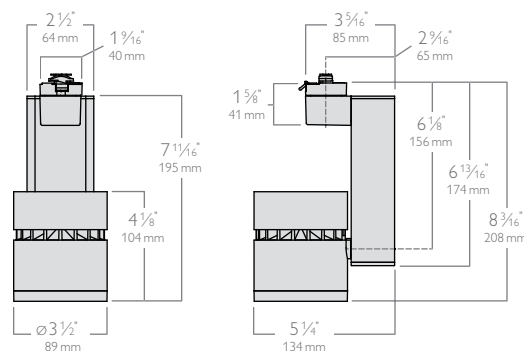
■ Aluminum
▫ Matte White
■ Matte Black

2 ½"
64 mm

1 ⁹⁄₁₆"
40 mm

6 ⅛"
156 mm

4 ⅛"
104 mm

ø 3 ½"
89 mm

3 ⁵⁄₁₆"
85 mm

2 ⁹⁄₁₆"
65 mm

1 ⁹⁄₁₆"
40 mm

4 ⁹⁄₁₆"
116 mm

5 ¼"
134 mm

6 ⁹⁄₁₆"
167 mm

5 ¼"
134 mm

1000 lm 10° RNS (Narrow Spot) delivers more than 24,000 CBCP (Center Beam Candlepower) for excellent visual punch.

LLAV20

2000 lm (21W)

■ Aluminum
▫ Matte White
■ Matte Black

2 ½"
64 mm

1 ⁹⁄₁₆"
40 mm

7 ¹¹⁄₁₆"
195 mm

4 ⅛"
104 mm

ø 3 ½"
89 mm

3 ⁵⁄₁₆"
85 mm

2 ⁹⁄₁₆"
65 mm

1 ⅝"
41 mm

6 ⅛"
156 mm

6 ¹³⁄₁₆"
174 mm

8 ³⁄₁₆"
208 mm

5 ¼"
134 mm

LLAV30

3000 lm (34 W)

■ Aluminum
▫ Matte White
■ Matte Black
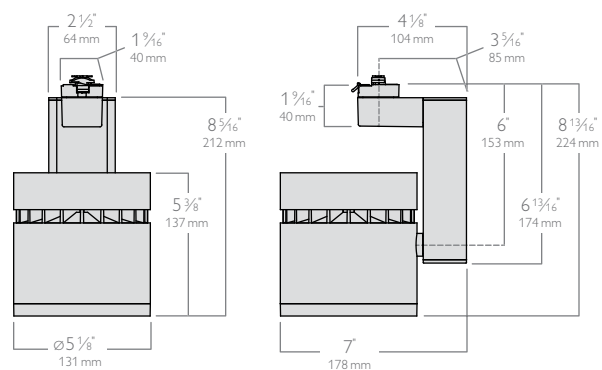
2 ½"
64 mm

1 ⁹⁄₁₆"
40 mm

8 ⁵⁄₁₆"
212 mm

5 ⅜"
137 mm

ø 5 ⅛"
131 mm

4 ⅛"
104 mm

3 ⁵⁄₁₆"
85 mm

1 ⁹⁄₁₆"
40 mm

6"
153 mm

8 ¹³⁄₁₆"
224 mm

6 ¹³⁄₁₆"
174 mm

7"
178 mm

Certifications: cULus listed, ENERGY STAR® certified.

Specification-grade

Alcyon vertical
recessed multiple

Taking LED accent lighting to the next level.

Alcyon LED vertical recessed is a three-part system designed to offer high-performing, target illumination to meet today's accent lighting needs. This recessed lighting utilizes the same LED technology and reflectors as the track heads, providing performance consistency and design continuity within a space.

Accommodates multiple accessories.

Features

- Efficacy: Up to 60 lm/W at 3000K
- Lumens (Watts): 600 lm (10 W), 1000 lm (20 W), 2000 lm (30 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 4000 K
- Color Rendering Index (CRI): 80–85
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black (with white flanges)
- Dimming: 0–10V
- Aiming: Tool-less aiming, tilt and pull-down design
- Seamless ceiling integration: Semi-recessed or Fully-recessed

Components

1. Frame
2. Fixture
3. Reflector
4. Accessory holder
5. Accessory spring
6. Diffusion filter
7. Hex cell louver
8. Snoot
9. Aperture ring

Frame

example: LLAVRM12H1120

Series	Lumens (Watts)	Heads	Voltages
LLAVRM			
LLAVRM Alcyon LED vertical recessed multiple	**11** 600 lm (10 W) & 1000 lm (20 W) **12** 2000 lm (30 W)	**H1** 1 head **H2** 2 head **H3** 3 head **H4** 4 head	**120** 120V **277** 277V

Fixture

example: LLAVRMWH1230H1

Series	Finishes[1]	Lumens (Watts)	CCT	Heads
LLAVRM				
LLAVRM Alcyon LED vertical recessed multiple	**WH** White **BK** Black	**01** 600 lm (10 W) **11** 1000 lm (20 W) **12** 2000 lm (30 W)	**27** 2700 K **30** 3000 K **40** 4000 K	**H1** 1 head **H2** 2 head **H3** 3 head **H4** 4 head

Reflector

example: LLAV12RNS

Series	Lumens (Watts)	Beam spreads
LLAV		
LLAV Alcyon LED vertical recessed multiple	**11** 600 lm (10 W) & 1000 lm (20 W) **12** 2000 lm (30 W)	**RNS** 10° Narrow Spot **RS** 18° Spot **RNF** 24° Narrow Flood **RF** 36° Flood

Narrow Spot   **Spot**   **Narrow Flood**   **Flood**

Accessories

example: 23SNT6BK

Series		Finishes
Accessory holders		
LLAV11AH	for 10 W & 20 W series	**WH** Matte White
LLAV12AH	for 30 W series	**BK** Matte Black
Snoots		
LLA11SN	for 10 W & 20 W series	**WH** Matte White
23SNT6	for 30 W series	**BK** Matte Black
Diffusion filters		
LLAV11	for 10 W & 20 W series	**LS** Linear Spread
LLAV12	for 30 W series	**SY** Symmetrical Spread
		SF Soft Focus
		FR Frosted Etched
Color filters		
—	for 10 W & 20 W series	
ADF4	for 30 W series (or provided by others)	
Hex cell louvers (matte black)		
LLAHCA11	for 10 W & 20 W series	
AL4HC	for 30 W series	

1. All fixtures are painted with matte finishes.

Complete product is comprised of a frame, fixture, reflector and a combination of optional accessories.

Actual size

LLAVRM-H1

White
Black

7 15/16" 201 mm
9 7/8" 251 mm
6" 152 mm
7 1/2" 191 mm
9 7/8" 251 mm

10 W / 600 lm
20 W / 1000 lm

9 1/16" 231 mm
11 11/16" 297 mm
7 7/8" 200 mm
9 3/8" 238 mm
11 11/16" 297 mm

30 W / 2000 lm
(as shown)

LLAVRM-H2

White
Black

7 15/16" 201 mm
10 1/2" 267 mm
360° 180°
12" 305 mm
13 1/2" 343 mm
15 7/8" 402 mm

10 W / 600 lm
20 W / 1000 lm
(as shown)

9 1/16" 231 mm
12 3/4" 323 mm
360° 180°
15 3/4" 400 mm
17 1/4" 438 mm
19 9/16" 497 mm

30 W / 2000 lm

LLAVRM-H3

White
Black

7 15/16" 201 mm
10 1/2" 267 mm
360° 180°
18" 457 mm
19 1/2" 495 mm
21 7/8" 556 mm

10 W / 600 lm
20 W / 1000 lm
(as shown)

9 1/16" 231 mm
12 3/4" 323 mm
360° 180°
23 5/8" 600 mm
25 1/8" 638 mm
27 7/16" 697 mm

30 W / 2000 lm

LLAVRM-H4

White
Black

7 15/16" 201 mm
9 7/8" 251 mm
360° 180°
24" 610 mm
25 1/2" 648 mm
27 7/8" 707 mm

10 W / 600 lm
20 W / 1000 lm
(as shown)

9 1/16" 231 mm
11 11/16" 297 mm
360° 180°
31 1/2" 800 mm
33" 838 mm
35 5/16" 897 mm

30 W / 2000 lm

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheet **LLAVRM** for additional drawings and information.

Specification-grade

Alcyon horizontal

Clean architectural design

Alcyon LED horizontal is ideal for display, accent, and task lighting. This track luminaire offers higher efficiency than conventional sources providing energy savings.

Actual size

Features

- Efficacy: Up to 78 lm/W at 3000K
- Lumens (Watts): 1100 lm (15W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80–90
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90CRI/3000K combination

LLAH

7 1/2" 191 mm
7" 178 mm
6 1/2" 165 mm
1 3/8" 35 mm
2 7/8" 73 mm
3 1/4" 83 mm
6 1/4" 159 mm
3 5/8" 92 mm
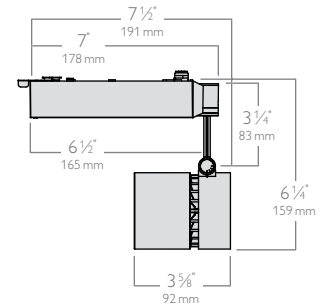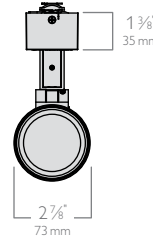
Aluminum
Matte White
Matte Black

Fixture

example: LLAH11835BTECW

Series	Lumens (W)	CRI/CCT		Finishes		Dimming	Options	
LLAH	**11**							
LLAH Alcyon LED horizontal	11 1100 lm (15W)	830 835 840 927 930	80CRI/3000K 80CRI/3500K 80CRI/4000K 90CRI/2700K 90CRI/3000K	A W B	Aluminum Matte White Matte Black	TE TRIAC/ELV	— CW	None (leave blank) CrispWhite*

* CrispWhite can only be ordered with 90/30 CRI/CCT combination.
   For other configurations and variations please contact the factory.

Reflector

example: LLRS

Series	Beam spreads	
LL		
LL Alcyon LED horizontal	RS RNF RF	13° Spot 22° Narrow Flood 28° Flood

Spot   Narrow Flood   Flood

Certifications: cULus listed, ENERGY STAR® certified.

Complete product is comprised of a fixture and reflector. See specification sheet **LLAH** for additional drawings and information.

Performance-grade

Retail
OmniSpot LED track mount

OmniSpot

Small is the new big

The smooth, contemporary style eliminates the need for heat sink fins to complement accent lighting designs from subtle to bold. Unlike all other track luminaires, OmniSpot's driver is integrated directly in the housing, for sleek compactness without distracting bulkiness.

Accommodates
multiple accessories.

Features

- Efficacy: Up to 108 lm/W at 3000K
- Lumens (Watts): 600lm (6W), 1000lm (12W), 2000lm (25W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80–90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite & PremiumColor: 90CRI/3000K combination

Components

1. Adapter
2. Fixture
3. Optic

Moving and adjusting the track luminaire is simple and quick, without the need for specialized equipment or training. With reliable, focused optics, it's easy to use accent lighting to create spaces that set you apart from the crowd.

Fixture

example: LC10930ALTECW

Series	Adapters	Lumens	CRI/CCT	Finishes	Dimming	Options
LC					**TE**	
LC OmniSpot LED cylinder	**—** Lightolier **C** Capri[1] **H** Halo **J** Juno **P** Prospec[1] **GT** Global TEK	**06** 600lm **10** 1000lm **20** 2000lm	**827** 80CRI/2700K **830** 80CRI/3000K **835** 80CRI/3500K **840** 80CRI/4000K **927** 90CRI/2700K **930** 90CRI/3000K	**AL** Aluminum[1] **W** Matte White **BK** Matte Black	**TE** Trailing edge (ELV)	**—** None (leave blank)
			930 90CRI/3000K	See above for finishes	**TE** Trailing edge (ELV)	**CW** CrispWhite **PC** PremiumColor

Reflector (order separately)

example: LLMRNS

Series	Beam spreads
LLM for 600lm & 1000lm **LLAV11** for 2000lm	**RNS** 11°/12° Narrow Spot[2] **RS** 18° Spot **RNF** 24° Narrow Flood **RF** 36° Flood

OmniSpot is currently the only track luminaire to feature a sleek one-arm mount that attaches easily to almost any manufacturer's track rail, and provides less than one inch of space between the track head and track rail.

Accessories[3] (order separately)

example: LC10AHWH

Series	Finishes
Diffusion films **LC10** for 600lm & 1000lm **LC20** for 2000lm	**SY** Symmetrical spread **SF** Soft focus **LS** Linear spread **FR** Frosted etched
Snoots **LC10SN** for 600lm & 1000lm **LC20SN** for 2000lm	**AL** Aluminum **WH** Matte White **BK** Matte Black
Accessory holders[4] **LC10AH** for 600lm & 1000lm **LC20AH** for 2000lm	**AL** Aluminum **WH** Matte White **BK** Matte Black
Hex cell louvers[5] (matte black only) **7472** for 600lm &1000lm **LC20HC** for 2000lm	

1. Prospec and Capri adapters are not available with aluminum finish. Capri adapter will be available in May 2017.
2. Reflector LLM has a 12° and LLAV11 has a 11° Narrow Spot.
3. Aperture ring on the fixture can hold a max of 1 film and 1 snoot.
4. Accessory holder can hold a max of 1 hex cell, 1 film, and 1 snoot.
5. Hex cell louver needs to be ordered with an Accessory holder.

Complete product is comprised of a fixture, reflector, and a combination of optional accessories.

Performance-grade

Comprehensive
....
Track luminaires
....
OmniSpot
....

Ideal for new projects or as retrofits onto a variety of existing track rail systems, and are convenient alternatives to invasive recessed multiples, limited gimbal systems and wasteful halogen lamps
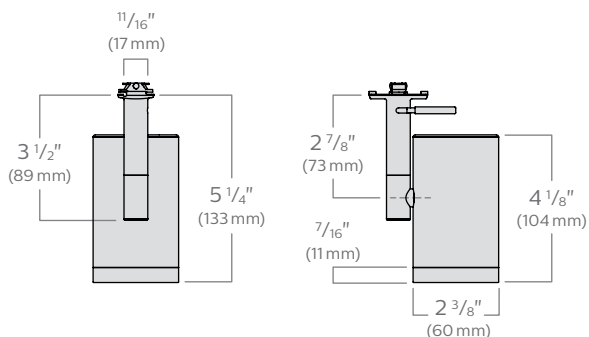
Actual size

LC06 & LC10

600 lm (6 W) & 1000 lm (12 W)

- Aluminum
- Matte White
- Matte Black

$^{11}/_{16}$" (17 mm)

3 $^1/_2$" (89 mm)

5 $^1/_4$" (133 mm)

2 $^7/_8$" (73 mm)

$^7/_{16}$" (11 mm)

4 $^1/_8$" (104 mm)

2 $^3/_8$" (60 mm)

LC20

2000 lm (25 W)

- Aluminum
- Matte White
- Matte Black

$^{11}/_{16}$" (17 mm)

4" (102 mm)

6 $^1/_2$" (165 mm)

3 $^3/_8$" (86 mm)

$^7/_{16}$" (11 mm)

5 $^1/_8$" (130 mm)

3 $^5/_{16}$" (84 mm)

Performance-grade
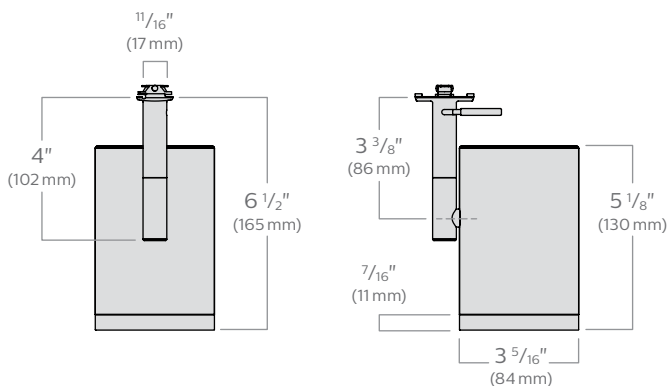
Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets **LC06, LC10,** or **LC20** for additional drawings and technical information.

83

OmniSpot

recessed multiple

Small is the new big

Designed to meet the most demanding lighting challenges with discreet aesthetics while providing a high center beam candlepower – all while being neatly hidden in a ceiling for a clean streamlined look.
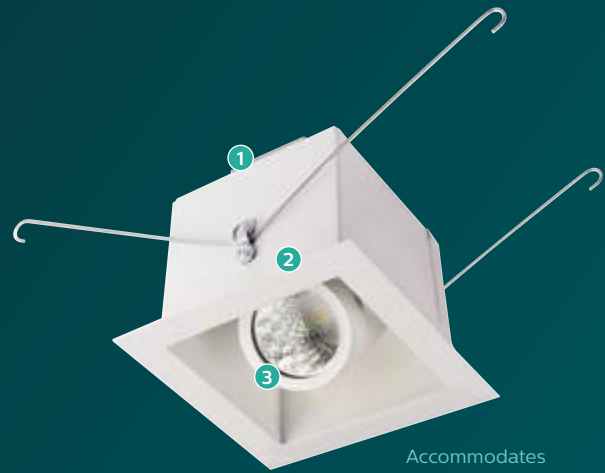
Accommodates multiple accessories.

Features

- Efficacy: Up to 83 lm/W at 3000K
- Lumens (Watts): 600lm (8W), 1000lm (12W)
- Correlated Color Temp. (CCT): 2700K, 3000K, 3500K, 4000K
- Color Rendering Index (CRI): 80–90
- Beam spreads: Narrow Spot, Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90CRI/3000K combination

Components

1. Adapter
2. Fixture
3. Optic

Frame

example: LCRM10H2

Series	Styles	Lumens	Heads
LC	**RM**	**10**	
LC OmniSpot LED cylinder	RM Recessed Multiple	10 600lm & 1000lm	H1 1 head H2 2 head H3 3 head H4 4 head

Reflector

example: LLMRNS

Series	Beam spreads (ordered separately)
LLM	
LLM Reflector for 600 / 1000lm	RNS 11° Narrow Spot RS 18° Spot RNF 24° Narrow Flood RF 36° Flood

Fixture

example: LC10930H2BKZ10U

Series	Styles	Lumens	CRI/CCT	Heads	Finishes	Flanges	Dimming/Voltage
LC	**RM**						**Z10U**
LC OmniSpot LED cylinder	RM Recessed Multiple	06 600lm 10 1000lm	827 80CRI/2700K 830 80CRI/3000K 835 80CRI/3500K 840 80CRI/4000K 927 90CRI/2700K 930 90CRI/3000K 930CW 90CRI/3000K Crisp White	H1 1 head H2 2 head H3 3 head H4 4 head	BK Matte Black WH Matte White	– Flange (leave blank) F Flangeless	Z10U 0–10V 1% 120/277V

Accessories[1]

example: LC10SNBK

Series	Finishes/Types
LC10AH Accessory holder[2] LC10SN Snoot	WH Matte White BK Matte Black
7472 Hex cell	— Matte Black[3]
LC10 Diffusion film	SY Symmetrical Spread SF Soft Focus LS Linear Spread FR Frosted Etched

1. Aperture ring on the fixture can hold a maximum of 1 film and 1 snoot.
2. Accessory holder can hold a maximum of 1 hex cell, 1 film, and 1 snoot.
3. Hex cell needs to be ordered with an Accessory holder.

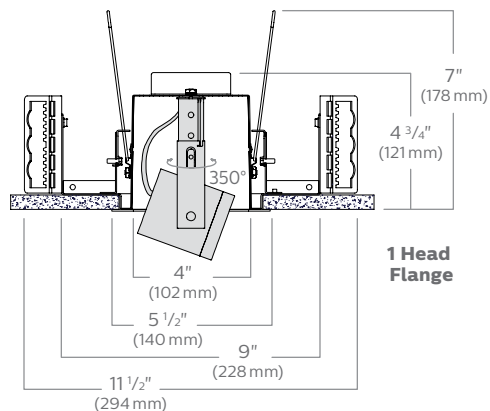Complete product is comprised of a fixture, reflector, and a combination of optional accessories.

Performance-grade

H1

1 head

7" (178 mm)

4 3/4" (121 mm)

350°

1 Head Flange

4" (102 mm)

5 1/2" (140 mm)

9" (228 mm)

11 1/2" (294 mm)

H3

1 head

7" (178 mm)

4 3/4" (121 mm)

3 Head Flange

12 7/8" (326 mm)

14 3/8" (364 mm)

15 5/8" (398 mm)

18 1/4" (464 mm)

H2

2 head

7" (178 mm)

4 3/4" (121 mm)

2 Head Flange

8 7/8" (224 mm)

10 3/8" (262 mm)

11 5/8" (296 mm)

14 1/4" (362 mm)

H4

4 head

7" (178 mm)

4 3/4" (121 mm)

4 Head Flange

17 7/8" (453 mm)

19 3/8" (491 mm)

20 5/8" (525 mm)

23 1/4" (591 mm)
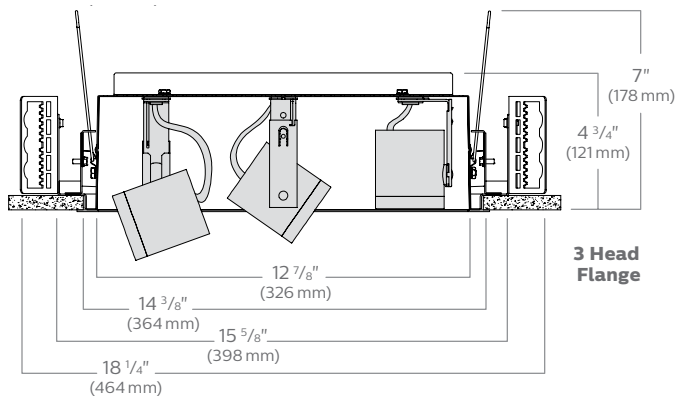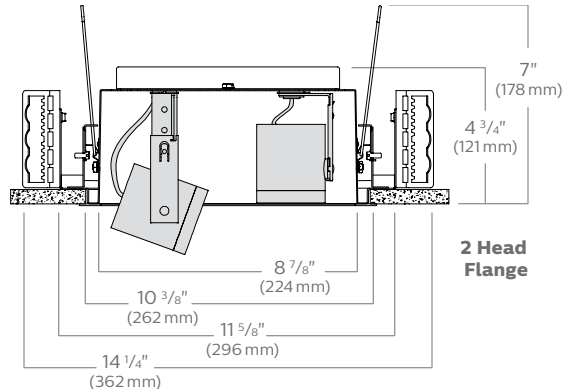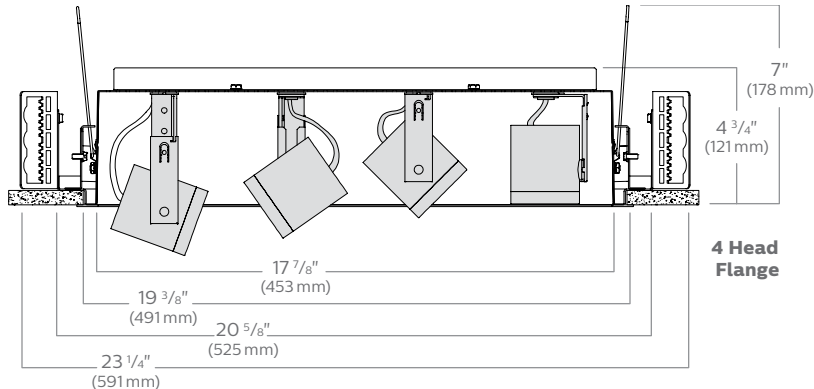
Performance-grade

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets **LCRM** for additional drawings and technical information.

Spot LED

The perfect balance between energy savings and visual performance

A high brightness LED track solution in a multi-optic LED design. Ideal for customers concerned with energy, beam quality and visual performance. Multiple accessories available to customize the light output and visual appearance of the fixture.

①
②
③
④
⑤

Accommodates multiple accessories.

Features

- Efficacy: Up to 78 lm/W at 3000K
- Lumens (Watts): 600 lm (10 W), 1000 lm (14 W), 2000 lm (28 W), 3000 lm (39 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 4000 K
- Color Rendering Index (CRI): 80 – 85
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)

Components

1. Fixture
2. Diffusion filter
3. Hex cell louver
4. Snoot
5. Accessory holder

Fixture

example: LLAB030RSALVA

Series	Lumens (W)	CCT	Beam spreads	Adapters	Finishes[1]	Version
LLAB						
LLAB Spot LED	**S** 600 lm (10 W)	**27** 2700 K **30** 3000 K	**RS** 9° Spot **RNF** 20° N. Flood **RF** 36° Flood	**—** Lightolier **H** Halo **J** Juno **GG** GES[2] **GT** GTek **GH** HTek	**AL** Alum. **WH** White **BK** Black	**VA** Version A (not applicable to any LLABS configurations – leave blank)
	0 1000 lm (14 W)	**27** 2700 K **30** 3000 K **40** 4000 K	**RS** 9° Spot **RNF** 20° N. Flood **RF** 36° Flood			
	1 2000 lm (28 W)	**27** 2700 K **30** 3000 K **40** 4000 K	**RS** 8° Spot **RNF** 20° N. Flood **RF** 38° Flood			
	3 3000 lm (39 W)	**27** 2700 K **30** 3000 K **40** 4000 K	**RS** 8° Spot **RNF** 23° N. Flood **RF** 40° Flood			

1. All fixtures are painted with matte finishes.
2. GES adapter is not available with LLABS.
3. Accessories are not ENERGY STAR® qualified.
4. Accessory 8595 comes in black; for white add WH.
5. Color filters will project colored light on ceiling.

Accessories[3]

example: 23NT6AL

Series	Finishes
Accessory holders	
LLABSAH for 10 W & 14 W series **8595** for 28 W [4] **LLAB1AH** for 39 W series	**WH** Matte White **BK** Matte Black
Snoots	
23N30 for 10 W & 14 W series **23NT6** for 28 W & 39 W series	**AL** Aluminum **WH** Matte White **BK** Matte Black
Diffusion filters	
AF3 for 10 W & 14 W series **AF4** for 28 W & 39 W series	
Color filters[5]	
ADF3 for 10 W & 14 W series **ADF4** for 28 W & 39 W series	
Hex cell louvers (matte black)	
AL3HC for 10 W & 14 W series **AL4HC** for 28 W & 39 W series	

Customization

Compatible with 4, 9 & 12 LED array track luminaires

Shown with matte black accessory holder, aluminum snoot and hex cell louver.

Shown with matte black accessory holder and hex cell louver.

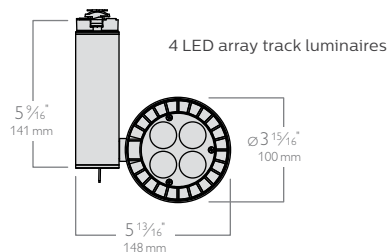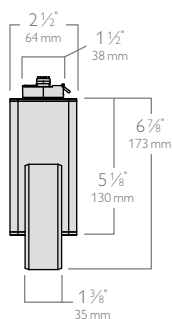Shown with matte black accessory holder and aluminum snoot.

Complete product is comprised of a fixture and a combination of optional accessories.

Comprehensive
....
Track luminaires
....
Spot LED
....

Actual size

LLABS & LLAB0

600 lm (10 W) & 1000 lm (14 W)

The 9° Spot (RS) delivers
16,586 CBCP in the 600lm
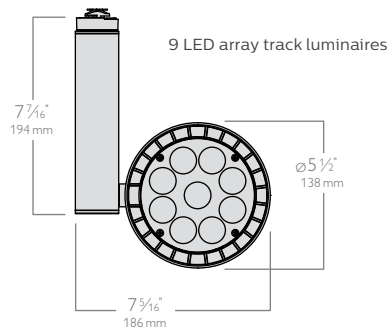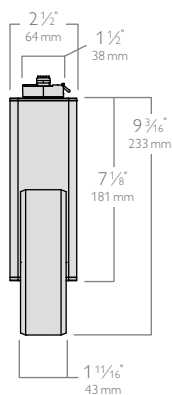and 28,696 in the 1000lm.

Aluminum
Matte White
Matte Black

2 ½"
64 mm

1 ½"
38 mm

6 ⅞"
173 mm

5 ⅛"
130 mm

1 ⅜"
35 mm

4 LED array track luminaires

5 ⁹⁄₁₆"
141 mm

⌀3 ¹⁵⁄₁₆"
100 mm

5 ¹³⁄₁₆"
148 mm

LLAB1

2000 lm (28 W)

The 8° Spot (RS)
delivers 54,726 CBCP.

Aluminum
Matte White
Matte Black

2 ½"
64 mm

1 ½"
38 mm

9 ³⁄₁₆"
233 mm

7 ⅛"
181 mm

1 ¹¹⁄₁₆"
43 mm

9 LED array track luminaires

7 ⁷⁄₁₆"
194 mm

⌀5 ½"
138 mm

7 ⁵⁄₁₆"
186 mm

LLAB3

3000 lm (39 W)

The 8° Spot (RS) delivers
more than 82,040 CBCP.

Aluminum
Matte White
Matte Black

2 ½"
64 mm

1 ½"
38 mm

10 ⁵⁄₁₆"
262 mm

7 ¼"
184 mm

1 ⅞"
48 mm

12 LED array track luminaires

7 ⁹⁄₁₆"
194 mm

⌀6 ¹⁄₁₆"
154 mm

7 ⅞"
201 mm
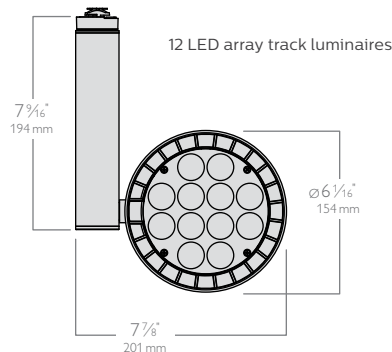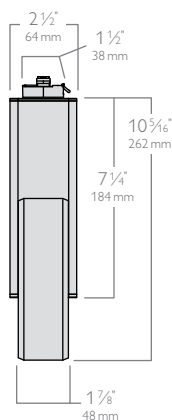
Certifications: cULus listed, ENERGY STAR® certified.

See specification sheets **LLABS, LLAB0–VA, LLAB1–VA,** or **LLAB3–VA** for additional drawings and technical information.

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Spot LED
recessed multiple

The perfect balance between energy savings and visual performance

Spot LED recessed is a two-part system that offers a high-performing architectural approach to demanding accent lighting needs. Multiple heads provide 360° rotation and 90° tilt with the flexibility to both harness and focus light in the built environment.

Accommodates multiple accessories.

Features

- Efficacy: Up to 84 lm/W at 3000K
- Lumens (Watts): 1000 lm (13 W), 1600 lm (22 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 4000 K
- Color Rendering Index (CRI): 80 – 85
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black

Components

1. Frame
2. Trim
3. Diffusion filter
4. Hex cell louver
5. Snoot
6. Accessory holder

Frame

example: LLABR24WH130H3RSVA

Series	Lengths	Finishes	Lumens (Watts)	CCT	Heads	Beam spreads	Version
LLABR							**VA**
LLABR Spot LED recessed multiple	**9** 9" for 1 head **17** 17" for 2 head **24** 24" for 3 head **32** 32" for 4 head	**WH** Matte White **BK** Matte Black	**0** 1000 lm (13 W) 9 LED array **1** 1600 lm (22 W) 12 LED array	**27** 2700 K **30** 3000 K **40** 4000 K[1]	**H1** 1 head **H2** 2 head **H3** 3 head **H4** 4 head	**RS** 10° Spot **RNF** 22° Narrow flood **RF** 36° Flood	**VA** Version A

Trim

example: LLABR24WHW

Series	Lengths	Finishes	Flanges
LLABR			
LLABR Spot LED recessed multiple	**9** 9" for 1 head **17** 17" for 2 head **24** 24" for 3 head **32** 32" for 4 head	**WH** Matte White **BK** Matte Black	**W** With flange **FT** Flangeless trim

Mud-in kit

example: LLABR24MK

Series	Lengths	Options
LLABR		**MK**
LLABR Spot LED recessed multiple	**9** 9" for 1 head **17** 17" for 2 head **24** 24" for 3 head **32** 32" for 4 head	**MK** Mud-in kit is only available with flangeless trim (FT) option

1. Consult factory for 4000 K (40) CCT option availability.
2. Accessories are not ENERGY STAR® qualified.
3. Color filters will project colored light on ceiling.

Accessories[2]

example: LLAB1AHWH

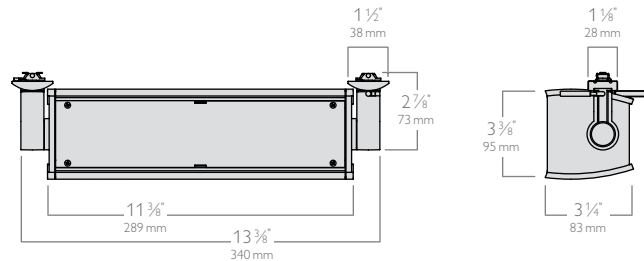| Series	Finishes
Accessory holders	
8595 for 13 W series **LLAB1AH** for 22 W series	**WH** Matte White **BK** Matte Black
Snoots	
23SNT6 for 13 W & 22 W series	**WH** Matte White **BK** Matte Black
Diffusion filters	
AF4 for 13 W & 22 W series	**LS** Linear Spread **SY** Symmetrical Spread **SF** Soft Focus **FR** Frosted Etched
Color filters[3]	
ADF4 for 13 W & 22 W series	
Hex cell louvers (matte black)	
AL4HC for 13 W & 22 W series	

Complete product is comprised of a frame, trim, mud-in kit (optional) and a combination of optional accessories.

Value-grade

Comprehensive
....
Track luminaires
....
**Spot LED
recessed multiple**
....

Actual size

LLABR9

1000 lm (13 W)

☐ Matte White
■ Matte Black

7 1⁄16"
179 mm

12 1⁄8"
308 mm

7 1⁄2"
191 mm

9"
229 mm

11 5⁄16"
287 mm

12 LED array
track heads
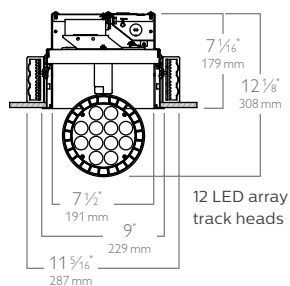
LLABR17

1000 lm (13 W)

☐ Matte White
■ Matte Black

7 1⁄16"
179 mm

12 1⁄8"
308 mm

360°

14 15⁄16"
379 mm

16 7⁄16"
418 mm

18 11⁄16"
475 mm

12 LED array
track heads
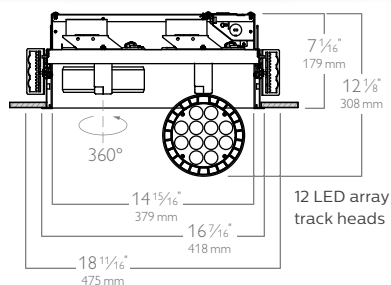
LLABR24

1000 lm (13 W)

☐ Matte White
■ Matte Black

7 1⁄16"
179 mm

12 1⁄8"
308 mm

360°

90°

22 3⁄8"
568 mm

23 7⁄8"
606 mm

26 1⁄8"
664 mm

12 LED array
track heads
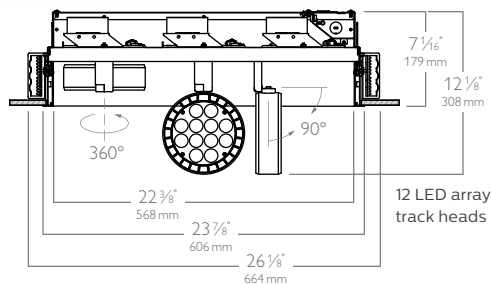
LLABR32

1000 lm (13 W)

☐ Matte White
■ Matte Black

7 1⁄16"
179 mm

12 1⁄8"
308 mm

360°

90°

29 3⁄4"
756 mm

31 1⁄4"
794 mm

33 1⁄2"
851 mm

12 LED array
track heads
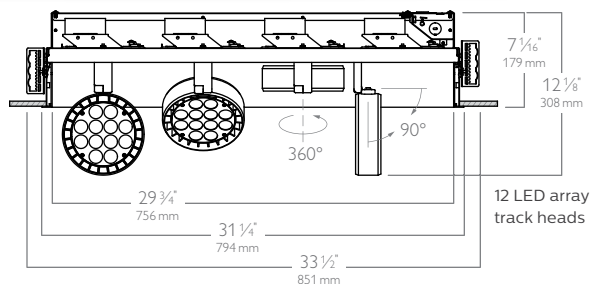
Certifications: cULus listed, ENERGY STAR® certified.

See specification sheet **LLABR** for additional drawings and technical information.

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LightFlood

Delivers a powerful, uniform punch of light.

LightFlood LED is a linear flood fixture that delivers a powerful, uniform beam and high efficacy for wall washing.

Accommodates multiple accessories.

Actual size

Features

- Efficacy: Up to 100 lm/W at 3000K
- Lumens (Watts): 2000 lm (23 W), 4000 lm (45 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 4000 K
- Color Rendering Index (CRI): 80
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV) and TRIAC

LLF

Aluminum
Matte White
Matte Black

1 ½" 38 mm
2 ⅞" 73 mm
11 ⅜" 289 mm
13 ⅜" 340 mm

1 ⅛" 28 mm
3 ⅜" 95 mm
3 ¼" 83 mm

Fixture

Series	Lumens (Watts)	CCT	Adapters	Finishes
LLF				
LLF LightFlood LED	**2** 2000lm (23 W) **4** 4000lm (45 W)	**27** 2700K* **30** 3000K **40** 4000K	**–** Lightolier **J** Juno **H** Halo **GG** Global GES **GH** Global HTEK **GT** Global TEK	**AL** Aluminum **WH** Matte White **BK** Matte Black

* Consult with factory for 2700K.

Accessories

Series		Finishes
LLF2LV	Louver: designed to provide additional light shielding and reduce lamp glare when needed.	**BK** Matte Black
LLF2VS	Visor: designed with interior reflector to direct light toward surface to create a washing effect.	**AL** Aluminum **WH** Matte White **BK** Matte Black

Mounting

For use with Radius, Basic and Advent track. For monopoint applications refer to specification sheet **6170** and **6190** (will require two monopoints). Not compatible with extension wands, multipoint, ProSpec track, clamp-on monopoint or sloped ceiling adapter.

Certifications: cULus listed, ENERGY STAR® certified.

Complete product is comprised of a fixture and a combination of optional accessories. See spec sheet **LLF2** and **LLF4** for additional drawings and info.

Gimbal LED

Clean design for a close fit.

Gimbal LED offers a specifically designed form
to create a close fit with LED lamps featuring
a miniaturized detailed yoke and ring-shaped
lampholder.

Actual size

Features

· Finishes: Aluminum, Matte White, Matte Black
· Lamping: Front re-lamping for easy maintenance
· Adjustments: Adjusts horizontally up to 350°
                         and vertically up to 90°

9030N

☐	Aluminum
☐	Matte White
■	Matte Black

6 ⅜"
162 mm

4 ⅛"
104 mm

5 ⅝"
143 mm

⌀4"
102 mm
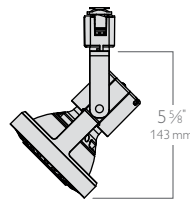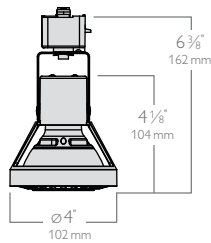
ExpertColor lamps

Visit Philips.com/ExpertColor
for information about PAR30
LED lamps or contact your
Philips representative for
other LED lamping options.

9038N

☐	Aluminum
☐	Matte White
■	Matte Black

8"
203 mm

5 ¾"
146 mm

7 ⅜"
187 mm

⌀5"
127 mm
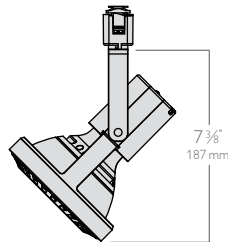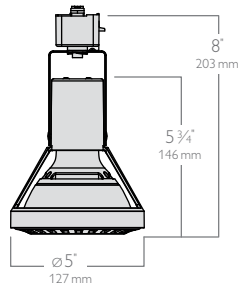
ExpertColor lamps

Visit Philips.com/ExpertColor
for information about PAR38
LED lamps or contact your
Philips representative for
other LED lamping options.

Fixture

example: 9030NWH

Series		Finishes	
☐		☐	
9030N	LED gimbal ring track luminaire PAR30	**AL**	Aluminum
9038N	LED gimbal ring track luminaire PAR38	**WH**	Matte White
		BK	Matte Black

Order lamp separately: 75W PAR30 maximum and 120W PAR38 maximum.

Certifications: cULus listed, ENERGY STAR® certified.

Complete product is comprised of a fixture with no accessories. See specification sheet **9030N** or **9038N** for additional drawings and information.

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Budget-grade

CorePro LED

A completely integrated LED luminaire

This mini cylinder delivers both lumen and CBCP performance equivalent to that of most 50 W MR16 halogen luminaires while consuming 82 % less energy and providing easy maintenance. The completely integrated driver, thermal management, and unitized optics provide sleek aesthetics while delivering a uniform beam, making it the easy choice for many retail, residential, and hospitality accent lighting needs.

Features

- Efficacy: Up to 107 lm/W at 3000K
- Lumens (Watts): 900 lm (9 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K
- Color Rendering Index (CRI): 80–90
- Beam spreads: Narrow Flood, Wide Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90 CRI / 3000 K combination

Components

1. Adapter
2. Fixture
3. Optic

Fixture

example: LT08RNF930WHCW

Series	Adapters	Lumens (Watts)	Beam spreads	CRI/CCT	Finishes	Options
LT		**08**				
LT CorePro LED mini cylinder	**–** Lightolier **C** Capri[1] **H** Halo **J** Juno	**08** 900 lm (9 W)	**RNF** 23° Narrow Flood **RWF** 35° Wide Flood	**827** 80 CRI / 2700 K **830** 80 CRI / 3000 K **927** 90 CRI / 2700 K **930** 90 CRI / 3000 K[2]	**AL** Aluminum[1] **WH** Matte White **BK** Matte Black	**—** None (leave blank) **CW** CrispWhite[2] **PC** PremiumColor[2]

1. The Capri (C) adapter is not available with an Aluminum (AL) finish.
2. Only available for the 90 CRI / 3000 K (930) CRI/CCT configuration. PremiumColor available Q3 2018. For other configurations and variations please contact the factory.

Designed with **simplicity** in mind

Constructed of extruded aluminum and steel with a powder-coated finish. Available beam patterns include 20° narrow and 35° wide floods. By combining the optics, light source, thermal management system and driver into a single housing, this luminaire provides a sleek look suitable for lower mounting heights and smaller spaces. Additional design features includes ELV dimming and compatible track adapters.

7" 178 mm

4 ½" 114 mm

2 ¼" 57 mm

2 7⁄16" 62 mm

90°

5 3⁄16" 132 mm

Complete product is comprised of a fixture with no accessories.
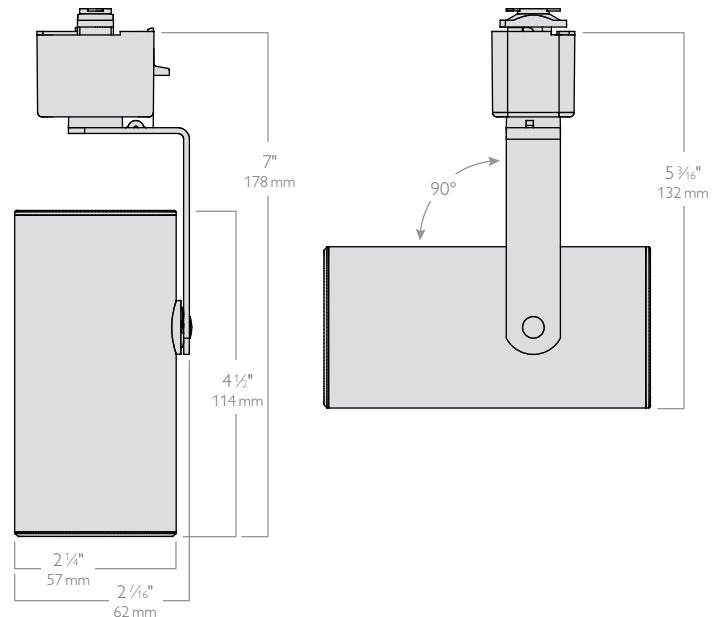
Actual size

LT08

900 lm (9 W)

Aluminum
Matte White
Matte Black

Track Adapters

The product line offers a range of competitor adapters for retrofit and renovation projects to improve ROI by not replacing existing track installations and limiting down time during the install.

Track
Groove

Adapter
Locking tab
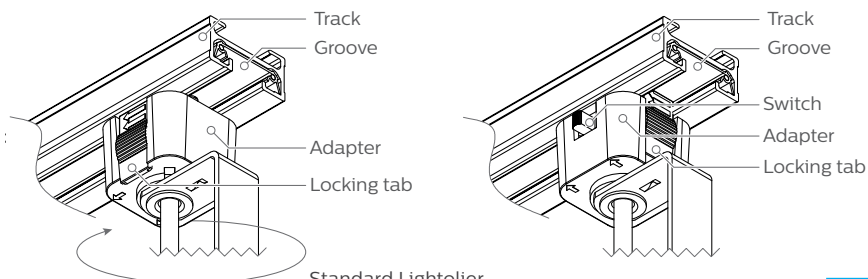
Standard Lightolier
track adapter depicted above.

Track
Groove

Switch
Adapter
Locking tab

Lightolier, Halo and Capri
track adapters depicted above
(Juno adapter also available).

Certifications: cULus listed, ENERGY STAR® certified.

See specification sheet **LT08** for additional drawings and technical information.

Track Head

The light you want at the budget you need

Lightolier LED Track Head is the latest budget-friendly addition to track lighting. This pint-sized cylinder delivers great performance compared to halogen, while consuming less energy. The Track Head driver is completely integrated, has engineered optics and a thermal management system which deliver a uniform, targeted beam of light. When it comes to track lighting, this is an easy choice.
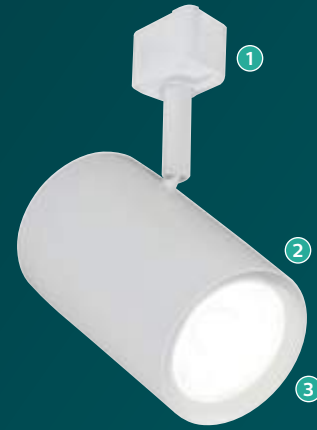
Features

- Efficacy: Up to 89 lm/W at 3000K
- Lumens (Watts): 1100 lm (16 W) & 3000 lm (38 W)
- Correlated Color Temp. (CCT): 3000 K
- Color Rendering Index (CRI): 90 min
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Matte White, Matte Black
- Dimming: Trailing edge (ELV) and TRIAC down to 10%

Components

1. Adapter
2. Fixture
3. Optic

Fixture

example: THL10930NF1W

Family	Adapter	Lumens	CRI	CCT	Beam		Voltage	Finish	
TH			**9**	**30**			**1**		
TH Track head	**–** Lightolier **J** Juno	**10** 1100 lm	**9** 90CRI	**30** 3000K	**S** Spot (15°) **NF** Narrow Flood (30°)		**1** 120V	**W** White (matte) **B** Black (matte)	
		30 3000 lm	**9** 90CRI	**30** 3000K	**NF** Narrow Flood (22°) **F** Flood (36°)				

TH10

1100 lm (14 & 16 W)

3"
76 mm

6 ¾"
172 mm

1 ³⁄₈"
35 mm

3 ⅛"
80 mm

5 ¼"
135 mm

Ø 3 ³⁄₈"
85 mm

TH30

3000 lm (36 & 38 W)

3"
76 mm

7 ½"
189 mm

1 ⅛"
28 mm

3 ⅛"
80 mm

5 ¾"
147 mm

Ø 4"
101 mm

Complete product is comprised of a fixture with no accessories.

Budget-grade
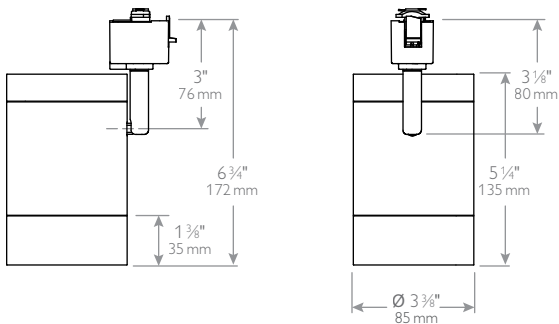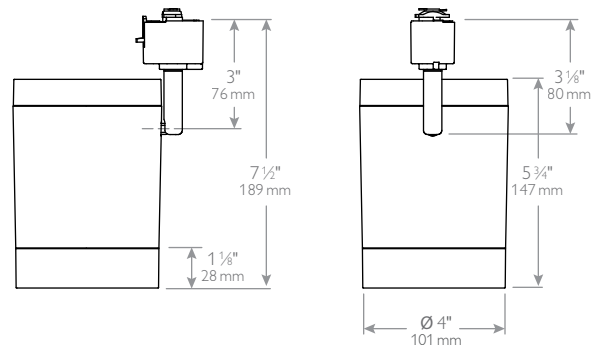
Comprehensive
....
Track luminaires
....
Track Head
....

Actual size

Track Head Advantages

High lumens & low wattage at a fraction of the cost of other LED track lighting solutions

Provides the efficiency, output and lifetime only an integrated LED solution can offer

Easy installation with no need to replace halogen lamps and bi-pin sockets

Compact housing and integrated LED solution provides a clean, sleek look, that doesn't draw attention away from where it's needed

Budget-grade

Certifications: CETLus listed, ENERGY STAR® certified.

Tangent Low & Line Voltage track luminaires

Tangent delivers the performance and convenience of line voltage in a profile no larger than most low voltage rail systems and is ideal for commercial, retail, and residential applications. It may be surface mounted or suspended, in straight runs.

Low Voltage

Each Tangent luminaire is designed and constructed for superior performance, clean architectural styles and quality. Low voltage utilizes a wide variety of lamps including MR16, AR111, and T3. Fixture options include spots, floods, adjustable suspended sports, and miniature decorative pendants.

Available finish

AL Aluminum

Mini Cylinder
FX16SC

Glass Cylinder
FX16GC

Open Ring
FX16R

Mini Cylinder
FX16C

Soft Cone
FX16S

Micro Flood
FXT4F

Bare Lamp
FXA1B

Bare Lamp
FX16B

Line Voltage

Line voltage utilizes a variety of lamps including MR16 and T4 options. Tangent features minimal styling, and simple, easy relamping. There is an infinite horizontal rotation.

Available finish

AL Aluminum

Soft Cone
FXESS

Open Ring
FXESRN

ExpertColor lamps

Visit Philips.com/ExpertColor for information about MR16 LED lamps or contact your Philips representative for other LED lamping options.

MR16 conventional to LED sources	ExpertColor	ExpertColor	ExpertColor
50W halogen	**7W S10 90CRI LED**	**7W F25 90CRI LED**	**7W F35 90CRI LED**
	470138 (2700K)	470161 (2700K)	470195 (2700K)
	470146 (3000K)	470179 (3000K)	470203 (3000K)
	470153 (4000K)	470187 (4000K)	470211 (4000K)
	7W S10 90CRI Retail LED	**7W F25 90CRI Retail LED**	**7W F35 90CRI Retail LED**
	470229 (3000K)	470237 (3000K)	470245 (3000K)

Tangent Surface Mount track systems

Surface Mount

Innovative side by side buss-bars minimize overall height and allow Tangent to be mounted directly to ceilings and walls without bulky stand-offs. Tangent line voltage track is rated for a full 20 amps at 120V. Tangent may be installed in an infinite variety of configurations. Surface mounted on ceilings or walls, or suspended from wire or stems, in straight or curved patterns. Tangent may be field bent to a minimum radius of 3 feet allowing for a diverse variety of custom configurations for any application.

Surface mount beam

FX04   Silver, plain surface 4' track
FX08   Silver, plain surface 8' track
FX12   Silver, plain surface 12' track

For mounting directly to ceilings or walls. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Anchors/ mounting clips not included (order separately).

Note: Surface mount anchors or clips are required a minimum of every 3 feet on surface mount track. Anchors/ clips are available in packs of 5; order accordingly. Consult specification sheet #FX for installation details.

Surface mounting anchor
FX25   Silver

Mounts track to hard ceilings/walls. Pack of 5 anchors with hex wrench.

Power feed
FX48   Silver

Surface power feed supplies power anywhere along track. For direct wiring without a j-box.

In-line connector
FX54   Silver, electrical/mechanical
          Connects surface track in straight runs with continuous power.
FX55   Silver, mechanical only
          Connects surface track in straight runs without continuous power.

Note: Not a power feed device.

Regressed-edge clips
FX87   Silver

For regressed-edge grid ceilings. Pack of 5 clips with hex wrench.

Surface power feed
FX61   Silver
FX61WH   White

Surface power feed from J-Box. Supplies power anywhere along track. Includes canopy cover for j-box.

Surface power feed
FX96   Silver
FX96WH   White

Grid ceiling power feed Supplies power anywhere along track. Mounts directly to grid ceiling runners. Includes canopy cover for J-box.
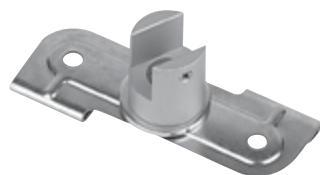


Square-edge clips
FX89   Silver

For square-edge grid ceilings. Pack of 5 clips with hex wrench.

Surface Powertrip
FX99   Silver

Powertrip feed kit for surface track. Compatible with PLD plug in breakers.

Variable angle connector
FX53   Silver, electrical/mechanical
FX52   Silver, mechanical only

Connects surface track to provide flexibility when creating patterns with continuous power.

Note: Not a power feed device.

Tangent Suspension track systems

Suspension Truss and Beam

Crisp architectural design is ideal for suspended applications where a larger profile is desired. Tangent perforated truss makes a dramatic statement in suspended applications with a unique "engineered" aesthetic.

Note:
Not a power
feed device.
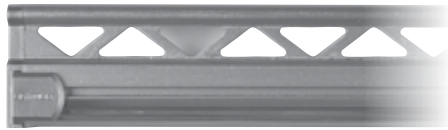
Suspension truss
FXT08   Silver, clear anodized plain 8' truss

For suspension from cable or stem kits. Extruded aluminum/polycarbonate construction. Includes two end caps as shown. Power feed and suspension kits sold separately.

Suspension beam
FXS04   Clear anodized plain beam 4' track
FXS08   Clear anodized plain beam 8' track
FXS12   Clear anodized plain beam 12' track

In-line connector
FXS54   Silver, electrical/mechanical
             Connects suspension beam
             or truss in straight runs with
             continuous power.

Stems may be
field shortened.
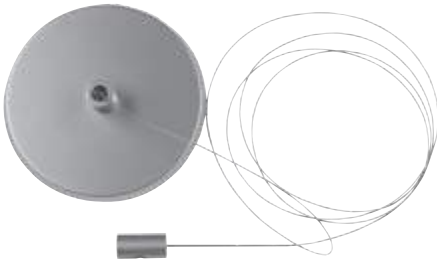
Cable suspension
FXS68   Silver, 8' adjustable stainless steel
             aircraft cable. Installs on hard or grid
             ceilings. Ceiling canopy included.

Note: Not a power feed device. For suspension only. Cable Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Cable Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details.

Stem suspension
FXS84   Silver, 18" Stem suspension kit
FXS86   Silver, 48" Stem suspension kit

Note: Not a power feed device. For suspension only. Stem Kits are required a minimum of every 6 feet on Suspended Beam or Truss track. Stem Kits include one suspension point each; order accordingly. Consult specification sheet #FXS for installation details. The 1/4" diameter solid steel stem install on hard or grid ceilings. Ceiling canopy included.
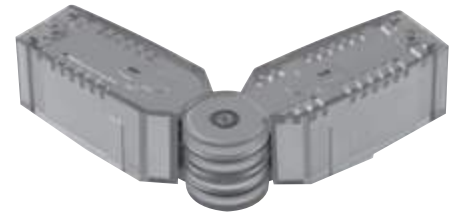
Variable angle connector
FXS53   Silver, electrical/mechanical
FXS52   Silver, mechanical only

Connects surface track to provide flexibility when creating patterns with continuous power.

Note: Not a power feed device.

Power feed
FXS67   Silver, 20A feed supplies
             power anywhere along track

The 10' power cable may be field shortened. Includes canopy cover for J-box.

Note: Not a power suspension device. For power feed only.

Suspended Powertrip
FXS99   Silver

Powertrip feed kit for suspended track. Compatible with PLD plug in breakers.

Track & Monopoints

For all track luminaires

While continually improved over the years, our original track design from 1961 remains intact. Every Lightolier track luminaire today will work on the very first piece of track we ever produced.

We use the original design because of the unique "C" channel conductor which allows for robust connectivity and longer durability, making Lightolier track superior to any competitor. The conductor prevents arcing – when the track luminaire loses connection to the track. Lytespan track has three standard track system options: Radius, Basic, and Advent.

Radius

One Circuit
One Neutral

Basic

One Circuit
One Neutral

Advent

Two Circuit
One Neutral

Radius

Sleek and streamlined

Radius is the slimmest track option that allows
it to virtually disappear into the ceiling and
blend easily into any decor.

Features
- Single circuit with capacity of 20 amps at 120V
- Surface or stem mount options
- Can be used in runs or patterns
- Can be field cut

Aluminum (RA)
Matte White (WH)
Matte Black (BK)

1-3/8" W by 1/2" H

Plain Track
9102 (2-foot)
9104 (4-foot)
9106 (6-foot)
9108 (8-foot)
Includes one dead end cover and hardware.

Outlet Box Cover
9060   (BK & WH)
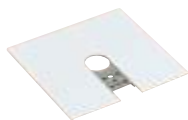
Mounts directly on connector.

For use with Feed L/In-Line Connector 9155, 9150 and 9151.

Surface Feed (live end included)
9147   (BK & WH)

For feeding power from surface conduit with 1/2 - 14 IPS connector (by others).

Live End Power Feed
9148   (BK & WH)

Electrifies track from beginning of run.

Mini-Coupler
9149   (BK & WH)

Invisible spline for joining two track sections. Not a power feed point.

Flush Non-Feed
9150   (BK & WH)

Includes both straight & 90° cover

T-Feed
9151   (BK & WH)

Variable Angle Connector
9153   (BK & WH)

Not a power feed point.

Adjusts 90° in both directions.

Flush Feed
9155   (BK & WH)

Includes both straight & 90° cover

Live End Canopy
9160   (BK & WH)

Includes Live End. Junction box feed.

Cord & Plug (not U.L. listed)
9162   (BK & WH)

Capacity, 7 amps at 120V.

Includes 15' 2-conductor cord and plug set with in-line switch.

Saddle Canopy
9163   (BK & WH)

Includes a dead end cover.

Mounts to any point along track for power feed from 3" or 4" octagonal outlet box.

T-Bar Canopy
9196   (BK & WH)

Includes Live End. Suspended ceiling feed.

Replacement Dead End Cover
56430   (BK & WH)

T-Bar Mounting Clips (set of 9)
9188   for Square-edge ceiling panels
9189   for Regressed-edge ceiling panels

Available in zinc (standard) and WH finishes.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).

Comprehensive
....
Track luminaires
....
**Radius, Basic
and Advent**
....

Basic

Advent

Unparalleled design integrity

Basic Track is a one circuit one neutral track
that allows for many additional options.

Unparalleled design integrity

Advent Track is a two circuit one neutral,
allowing for additional load capacity.

▪	Aluminum
▫	Matte White
■	Matte Black

1-3/16" W by 3/4" H

▪	Aluminum
▫	Matte White
■	Matte Black

1-3/16" W by 1-1/8" H

Features

- Basic: Single circuit with capacity of 20 amps at 120V
- Advent: Double circuit with capacity of 40 amps at 120/240V
- Can be installed vertically or horizontal on walls
- Can be field cut
- Use with suspension beam or recessed housings

Basic Ind. Track	**Advent Ind. Track**
6000N (2-foot)	6101N (2-foot)
6001N (4-foot)	—————————
6002N (8-foot)	6102N (8-foot)

▪	Aluminum
▫	Matte White
■	Matte Black

Includes Live End, Dead End Cover
and hardware.

Basic Joiner	**Advent Joiner**
6003N (8-foot)	6103N (8-foot)

▪	Aluminum
▫	Matte White
■	Matte Black

Includes concealed Mini-Coupler
and hardware.

Basic Plain Track	**Advent Plain Track**
6004N (45-1/4")	6104N (43-1/2")
6008N (93-1/4")	6108N (91-1/2")
6012N (141-1/4")	6112N (139-1/2")

▪	Aluminum
▫	Matte White
■	Matte Black

Includes Dead End Cover
and hardware.

Basic replacement dead end cover

56475N	Matte White
56476	Aluminum
56491	Matte Black

Advent replacement dead end cover

56308NWH	Matte White
56309NAL	Aluminum
56312NBK	Matte Black

▪	Aluminum
▫	Matte White
■	Matte Black

In-Line Connectors
6054N Basic   6154N Advent
(BK, WH & AL)   (BK, WH & AL)

Basic "L" Connectors
6050N Basic   6150N Advent
(BK, WH & AL)   (BK, WH & AL)

"T" Connector
6051N Basic   6151N Advent
(BK, WH & AL)   (BK, WH & AL)
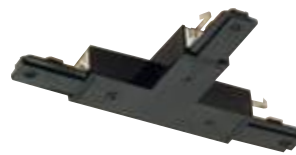
"X" Connector
6052N Basic   6152N Advent
(BK, WH & AL)   (BK, WH & AL)

Above In-Line, "L", "T", and "X" Connectors can be fed directly with electrical connector.

Variable Angle Connector
6053N Basic   6153N Advent
(BK, WH & AL)   (BK, WH & AL)

Flexes 90° in all directions.

Can be fed directly
with electrical connector.

Power Extension Connector
6046N Basic   6146N Advent
(BK, WH & AL)   (BK, WH & AL)

Use opposite Live End to power other
track sections when obstructions exist.

Live End Connector
6048N Basic   6148N Advent
(BK, WH & AL)   (BK, WH & AL)

Electrifies track from beginning of
run (Included in Individual Track).

Mini Coupler (included in joiner)
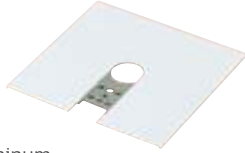6049N Basic   6149N Advent
(BK, WH & AL)   (BK, WH & AL)

Invisible spline for joining two
track units. Not a power feed point.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).

Basic & Advent track accessories

End Feed Canopy kits
6060   4 1/2" square

Aluminum
Matte White
Matte Black

Mounts above feed connectors.

Floating Canopy kits
6061N   4 1/2" square

Aluminum
Matte White
Matte Black

Mounts above track.

Grid Ceiling Canopy kits
6096N   4 1/2" square

Matte White

Outlet box included.

Saddle Canopy kits
6063   4 1/2" square (Basic only)

Aluminum
Matte White
Matte Black

For power feed from 4" junction box.

18" Stem mounting kits
7584AL   Aluminum
7584   Matte White
7683   Matte Black

48" Stem mounting kits
7586   Matte White
7681   Matte Black

48" Stem extension kits
7582AL   Aluminum
7582   Matte White
7680   Matte Black

48" Stem swivel kits
7480AL   Aluminum
7480   Matte White
7481   Matte Black

(0°-90° adjustment
for sloped ceilings)

Conduit Adapter
7596 Zinc plated (Basic only)

For feeding power to Basic Track from surface conduit with 1/2 - 14 IPS connector.

Replacement Stem Hanger Assembly
56417 Zinc plated (Basic or Advent)

Included with Stem Mounted Kits. For use with 1/4" - 18NPSM Threaded Stem.

Grid Ceiling Mounting Clips
6087 Zinc plated (set of 9)

Matte White

For Regressed–Edge Panels and 9/16" or 15/16" T–Bar runners.

Grid Ceiling Mounting Clips
6088 Zinc plated (set of 9)

Matte White

For Regressed–Edge Panels and Slotted Grid runners in ceiling systems.

Grid Ceiling Mounting Clips
6089 Zinc plated (set of 9)

Matte White

For Square–Edge Panels and 9/16" or 15/16" T–Bar runners.

Aluminum
Matte White
Matte Black

Sloped Ceiling Adapter
6079 (Basic, Advent or Radius)

Can be used alone or with extension wands.

4 1/8" overall length

Matte White
Matte Black

Use to adjust Lytespots from 0 - 90° on monopoint or track for sloped and cathedral ceilings.

Surface Track Mounting Clips
56451   Zinc plated (set of 10). Stands track off ceiling 1/16".

Matte White
Matte Black

Replacement clips, included with Basic and Advent Track. Stands track off ceiling 1/16".

Pendant Adapter
7599 (Basic, Advent or Radius)

Matte White
Matte Black

Supports cord mounted fixtures up to 10 lbs. and stem or chain mounted fixtures to 25 lbs 6 amps.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).

Basic & Advent track accessories

Basic Monopoint
6190   4 5/8" dia. x 1/4"D

Aluminum
Matte White
Matte Black

Ultra shallow mounts fixtures
to 3 1/2" or 4" octagon outlet box.
Use 90°C min. supply wire.

Rectangular Monopoint
6170   5 5/8"L x 4 1/2"W x 1/4"D

Aluminum
Matte White
Matte Black

Ultra shallow mounts fixtures
to 3 1/2" or 4" octagon outlet box.
Use 90°C min. supply wire.

Multipoint
7619   11 5/8"L x 4 1/2"W x 9/16"D

Matte White
Matte Black

Surface mounts of up to 3 average
sized Lytespots, depending on fixture
size, over any standard outlet box.
Use 90°C min. supply wire.

Convenience Outlet
6085   Capacity 6 amps (WH)

Matte White

Provides auxiliary source for plug-
in equipment. Also compatible
with Radius track. (Not UL listed.)

Attachment Fitting
7589   Capacity 6 amps (WH)
7589BK   Capacity 6 amps (BK)

Matte White
Matte Black

Supports cord
mounted fixtures
up to 10 lbs. and
stem or chain
mounted fixtures
to 25 lbs. Chain
not included.

Cord and Plug
6062   (Basic only)

Matte White
Matte Black

For Basic one-circuit track only.
Includes 15-foot, two-conductor
cord and plug set with in-line
switch. Capacity 7 amps at 120V.
Not UL Listed.

Extension Wands
6074   18" length, Stem dia. 1/2" (not available in AL)
6075   36" length, Stem dia. 1/2"
6076   48" length, Stem dia. 1/2"
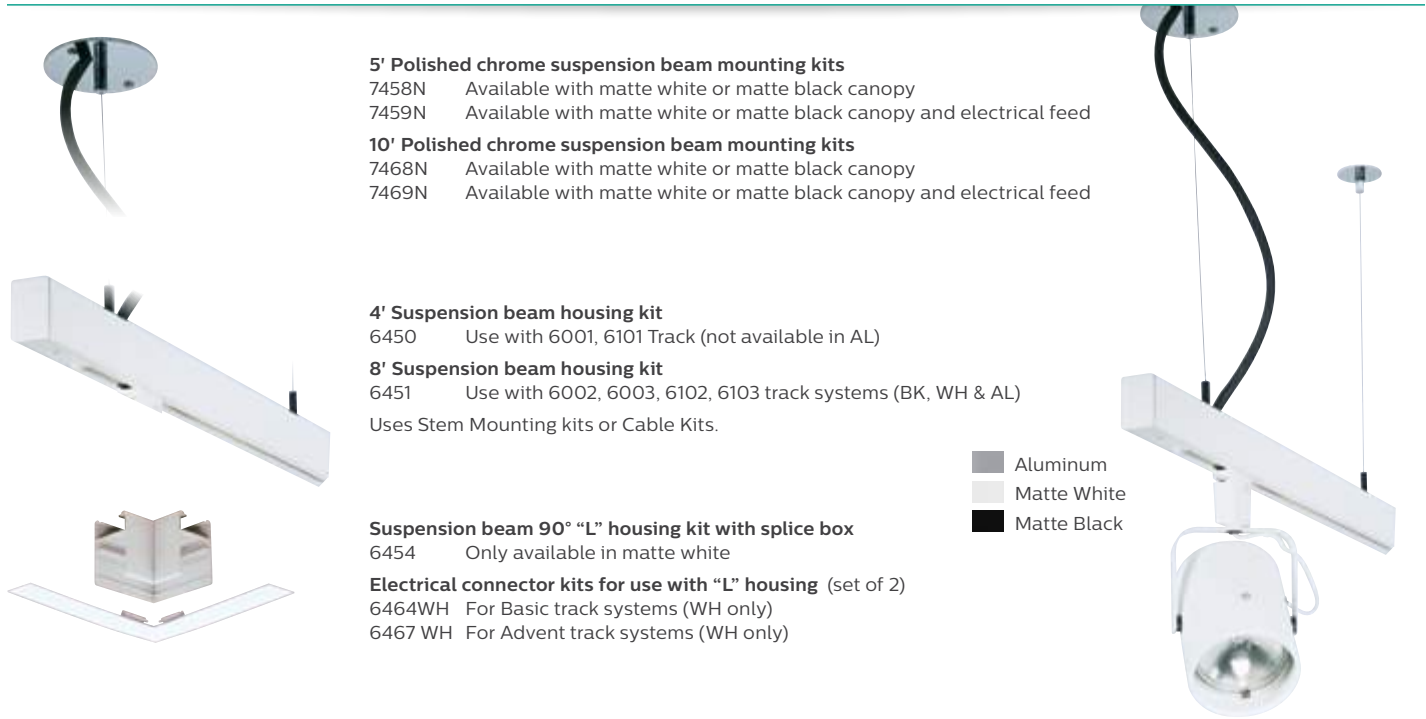
Extends track luminaire below track system.
Can be connected together with an 8' max.
Compatible with Radius track system.
May not be field cut.

Aluminum
Matte White
Matte Black

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes (if referenced).

Suspension beam track systems

5' Polished chrome suspension beam mounting kits
7458N   Available with matte white or matte black canopy
7459N   Available with matte white or matte black canopy and electrical feed

10' Polished chrome suspension beam mounting kits
7468N   Available with matte white or matte black canopy
7469N   Available with matte white or matte black canopy and electrical feed

4' Suspension beam housing kit
6450   Use with 6001, 6101 Track (not available in AL)

8' Suspension beam housing kit
6451   Use with 6002, 6003, 6102, 6103 track systems (BK, WH & AL)

Uses Stem Mounting kits or Cable Kits.

■ Aluminum
□ Matte White
■ Matte Black

Suspension beam 90° "L" housing kit with splice box
6454   Only available in matte white

Electrical connector kits for use with "L" housing (set of 2)
6464WH   For Basic track systems (WH only)
6467 WH For Advent track systems (WH only)

Recessed housing track systems

Recessed Track
Available in straight runs and is fed from End Splice Box
installed at the end of or between 4' or 8' housings.

7515   Recessed Housing 4' (WH & BK)
7516   Recessed Housing 8' (WH & BK)
7517   Splice Box (WH only)

□ Matte White
■ Matte Black

Recessed Track Replacement Parts

56411   Mounting Clips for Advent only (WH only), included with housing

56406   Lathing Tab (WH only),included with recessed 4" & 8" housing

56407   Connecting Spline with screws (WH only), included with recessed 4" & 8" housing

56409   Recessed Spline Box End (flange type), included with 7517, 7690, 7691, 7692 housings

Recessed Track "L" Splice Box
7690   Matte White only

Electrical Connector Kits for
use with "L" Splice Box (set of 2).
6464WH   For Basic only
6467WH   For Advent only

Recessed Track "T" Splice Box
7691   Matte White only

Electrical Connector Kits for
use with "T" Splice Box (set of 4).
6462WH   For Basic only
6465WH   For Advent only

Recessed Track "X" Splice Box
7692   Matte White only

Electrical Connector Kits for
use with "X" Splice Box (set of 4).
6462WH   For Basic only
6465WH   For Advent only

PowerTrip

Comprehensive
....
Track luminaires
....
**Suspension beam,
Recessed housing
and PowerTrip**
....

Current limiting device

The first integral current limiting
device for line voltage track lighting.

Height: 1³/₁₆"

Lightolier PowerTrip is a current limiting device designed for use with Radius, Basic and Advent tracks systems. It works by minimizing the impact of current and pending state and federal energy legislation that penalizes the use of track lighting; particularly with fluorescent or metal halide light sources in retail applications. Under Title 24 of the CA Energy Code, or ASHRAE 90.1, the actual wattage of fixtures on a given circuit of track is typically exceeded by the higher value of the "default" load as defined in the code. These codes force the use of the default load for power consumption calculations unless an integral current limiting device is installed on the track.
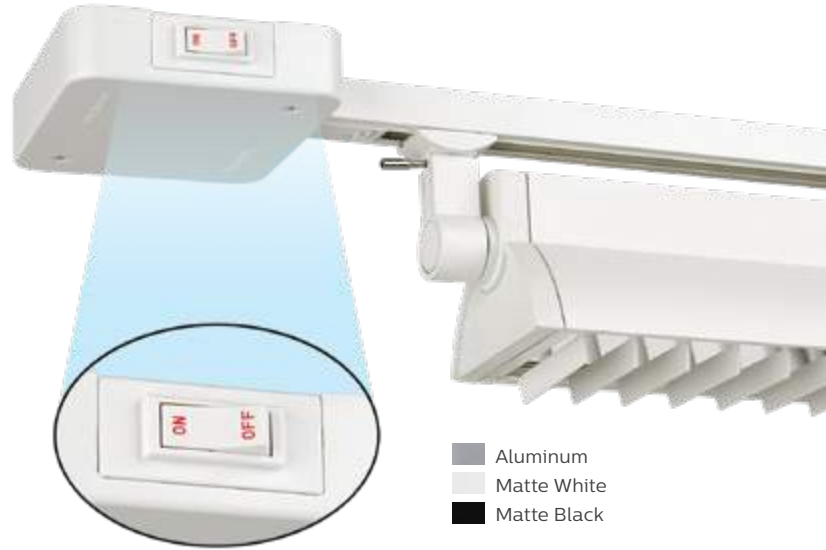
- Aluminum
- Matte White
- Matte Black

Radius

Live End Kit
9099

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm

In-Line Kit
9033

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm

Basic

Live End Kit
6099

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm

In-Line Kit
6033

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm

Advent

Live End Kit
6199

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm

In-Line Kit
6133

4 ⁵/₈ in
168 mm

5 ¹/₄ in
133 mm
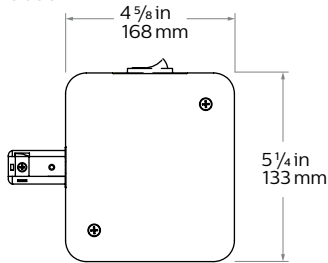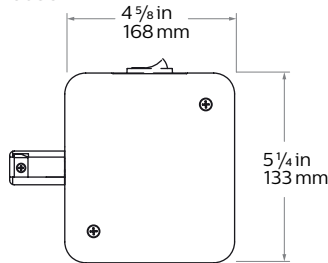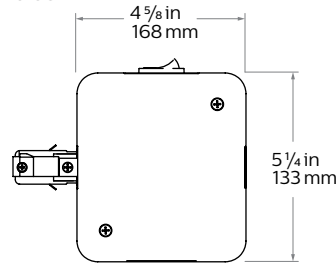
Breaker modules

Short circuit rating (AIC): 1kA

2 in
51 mm

1 ¹/₂ in
38 mm
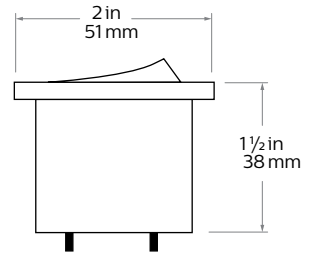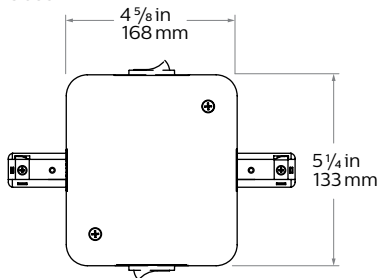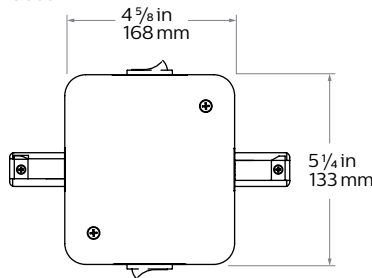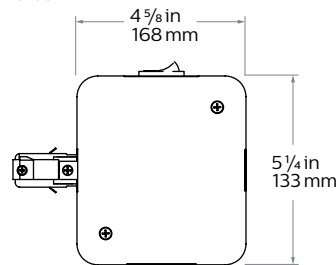
PowerTrip for Advent & Basic are available in AL (aluminum), WH (matte white), or BK (matte black). PowerTrip for Radius and Breaker modules are available in WH (matte white), or BK (matte black) only.

Note: Add AL (aluminum), WH (matte white), or BK (matte black) suffix to specify finishes.

Radius application guide

21 1/16"
45 1/16"
59 1/16"
93 1/16"

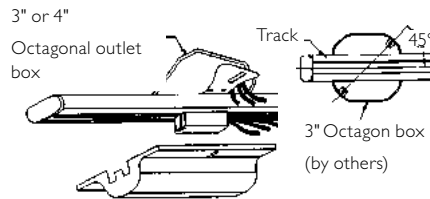Dead End Cover
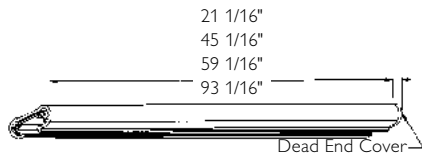
Lytespan - track application guide

Radius Track is available in 2', 4', 6' and 8' lengths. It may be cut in the field. Toggle bolts and nylon insulators, supplied, mount the track to a ceiling or wall through existing holes in the track. Do not exceed 4' spacing of track supports.

Concealed mini-coupler (order separately) connects tracks mechanically and electrically in a straight run

Power feeds

3" or 4"

Octagonal outlet box
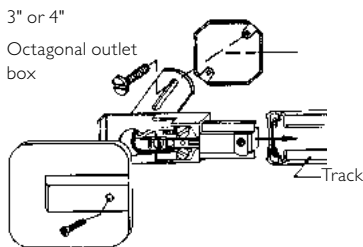
Track

Use live end canopy kit for power feed from an outlet box mounted over the end of the track.

3" or 4"

Octagonal outlet box

Track

45°

3" Octagon box

(by others)

Use Saddle canopy for power feed from an outlet box mounted anywhere along the track. When mounting to a 3" octagon box the track must be oriented at 45 degrees to the mounting holes. Includes extra dead end cover.

3/8" Electrical fitting

(by others)

1/2"

Track

3/8" Electrical fitting

(by others)

1 1/8"
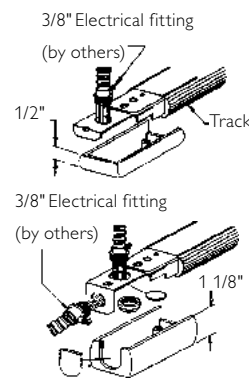
Use live end power feed for direct power feed from overhead conduit or cable terminating in a 3/8" electrical fitting.

Use surface feed connector for power feed from surface conduit terminating in a 3/8" electrical fitting. It may also be used for direct power feed from overhead conduit or cable.

Mounting track to T-bar ceilings

T-bar   Regressed edge panel   T-bar   Square edge panel

9188
(9 Clips)

5/16"-12/32" Ref.

9/16"
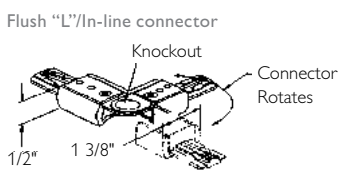
15/16"

9189
(9 Clips)

9/16"-15/16"
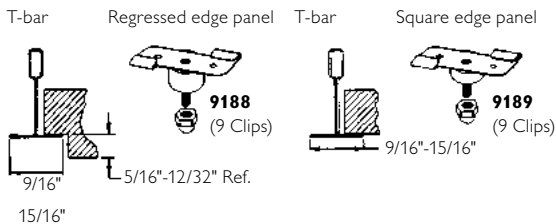
Use T-bar mounting clips to mount the track to "T" bar ceiling runners. The clips attach through existing holes in the track. Do not exceed 4' spacing of clips.

Electrical fitting

(by others)

5/8"

4 1/8"
Sq.

Bottom cover
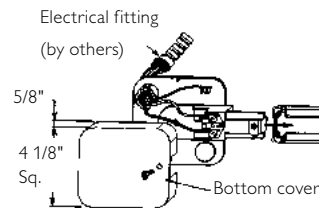
Use T-bar canopy to feed power from conduit or cable to track mounted to a "t" bar ceiling.

Track patterns

Flush "L"/In-line connector

Knockout

Connector Rotates

1/2"   1 3/8"

"L"/In-line feed connector

Electrical fittings
(by others)

Connector Rotates

1/2"   1 3/8"

Variable angle connector

6 7/8"

The "L"/In-line connector, both feed and non-feed, may be installed straight or may be rotated to form a right angle. They are polarized and are prewired for power continuity and will accept power feed wires from an adjoining stem. The deeper Feed "L"/In-line connector accepts a 3/8" electrical fitting for direct power feed from conduit or cable or with an optional Radius outlet box cover 9060WH, BK it may be used for power feed from a 3" or 4" octagon outlet box.
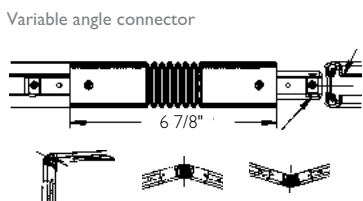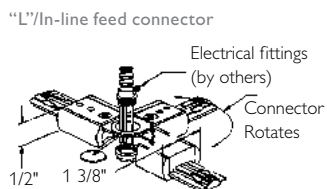
The variable angle connector is polarized and prewired for power continuity. It can flex up to 90 degrees in all directions. Power cannot be fed into this connector.
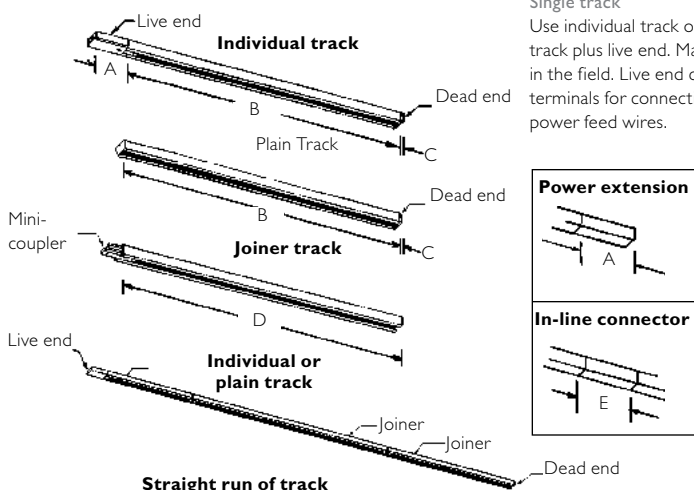
Stem mounting

3" or 4" octagonal outlet box

Threaded

Wire cover

Threaded

Electrical connector

9 15/16"
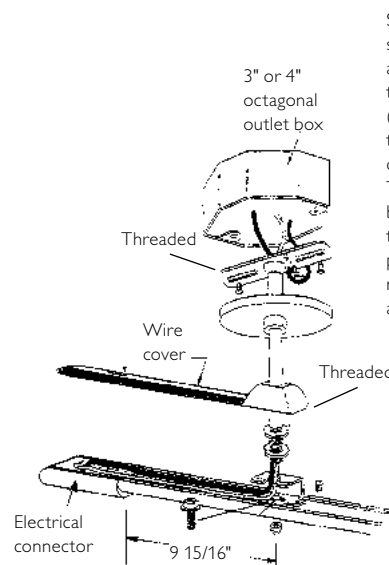
Stem kits (18" or 48") are used to suspend track from a ceiling. They attach through existing holes in the track. With the stem wire cover (order separately) they may be used to feed power to a live end, "L"/In-line connector or surface feed connector. The stem used for power feed must be located 9 5/16" from the end of the track for the wireway cover to fit properly. Stems for Radius track may not be cut in the field because they are threaded at both ends.

Basic & Advent application guide

Surface or stem mounted

Individual track

Live end

A

B

Dead end

Plain Track

C

Mini-coupler

Dead end

B

Joiner track

C

Live end

D

Individual or plain track

Joiner

Joiner

Dead end

Straight run of track

Single track
Use individual track or plain track plus live end. May be cut in the field. Live end contains terminals for connection to power feed wires.

Power extension

A

In-line connector

E

Straight run of track
Start with individual track (or plain track plus live end) of length desired and add as many 8' joiner tracks as required. May be cut in the field. Concealed mini-coupler connects track sections mechanically and electrically. Replace mini-coupler with in-line connector for power feed-in between track units. Power extension replaces dead end to permit power take-off from or power feed into end of track opposite live end. Power extension accepts same power feed kits as live end.

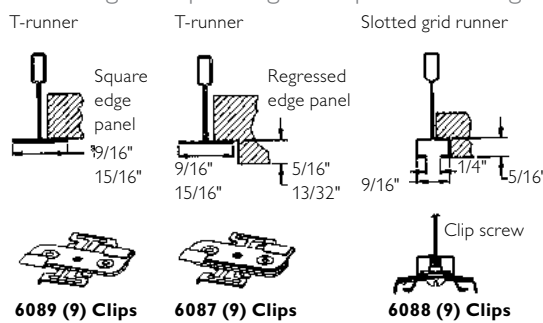|	A	B	C	D	E
Basic	2 23/32"	21 1/16"	3/32"	95 29/32"	4 1/8"
		45 1/16"			
		93 1/16"			
		141 1/16"			
Advent	4 1/2"	43 9/32"	3/32"	95 29/32"	4 1/2"
		91 9/32"			
		139 9/32"			

Surface mounting track
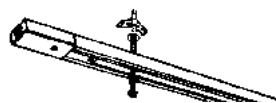
Direct mounting
Toggle bolts with nylon insulators, supplied with track, can be used to mount track to a wall or ceiling through existing holes in the track.

With track mounting clips
Mounting clips, provided with track, attach to track at any point.
Use only for ceiling mounting.

Mounting to exposed grid suspended ceilings

T-runner

Square edge panel
9/16"
15/16"

T-runner

Regressed edge panel
9/16"
15/16"
5/16"
13/32"

Slotted grid runner

9/16"
1/4"
5/16"

Clip screw

6089 (9) Clips

6087 (9) Clips

6088 (9) Clips

Use grid ceiling mounting clips above for ceilings shown.
Use grid ceiling canopy kit for power feed.
Do not exceed 4' spacing of track supports.

Power feed to surface mounted track from conduit or cable

3/8" electrical fitting (By others)

Live end

1/2"-14 nut (included)
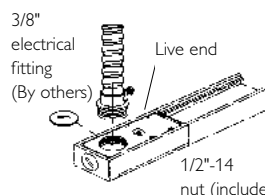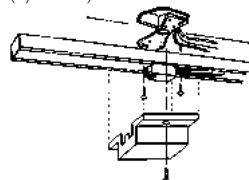
Conduit or cable mounts directly to a Live End, "L", "T", "X", In-line or variable angle connector. Does not require separate power feed kit.

3/8" Electrical fitting (by others)

2 1/8"
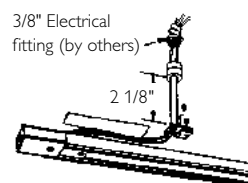
Floating invisible feed mounts anywhere along track installed with mounting clips for power feed to live end, "L", "T", "X", in-line or variable angle connector. May be located up to 4' from power feed-in point.

3/8" Electrical fitting (by others)

Conduit adapter

Basic live end

Conduit adapter attaches to Live End of Basic Track for power feed from surface conduit terminating in 1/2–14 threaded electrical fitting. Not required for Advent Track.

Use grid ceiling canopy kit to feed power to the live end, "L", "T", "X", In-line or variable angle connector of track mounted to a grid ceiling. Its special outlet box mounts along a t-bar runner or at the intersection of t-bar runners.
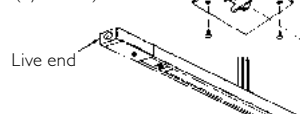
Power feed to surface mounted track from outlet box

3" or 4" octagon outlet box (by others)

Saddle canopy kit mounts at any point along basic track for power feed directly to track conductors. Includes extra dead end cover to replace live end.

3" or 4"
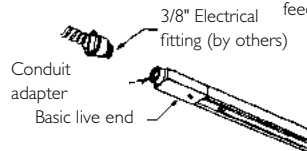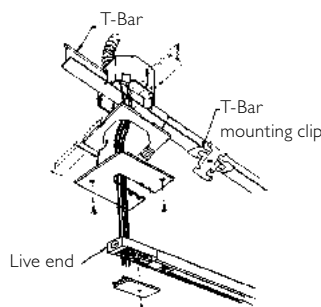Octagon outlet box (by others)

Live end

Floating canopy kit mounts anywhere along track installed with mounting clips for power feed to live end, "L", "T", "X", in-line or variable angle connector. May be located up to 4' from power feed-in point.

3" or 4" octagon outlet box (By others)

End feed canopy kit mounts directly to live end, "L", "T", "X", In-Line or variable angle connector.
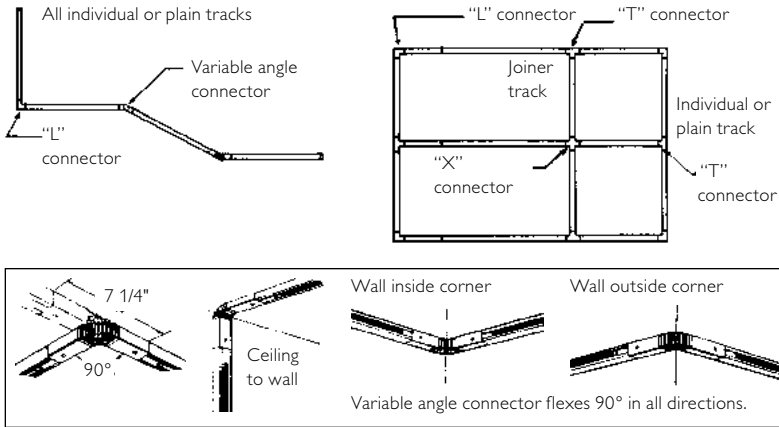
Live end

T-Bar

T-Bar mounting clip

Live end

Basic & Advent application guide

Track patterns

All individual or plain tracks

Variable angle connector

"L" connector

"L" connector

"T" connector

Joiner track

Individual or plain track

"X" connector

"T" connector

7 1/4"

90°

Ceiling to wall

Wall inside corner

Wall outside corner

Variable angle connector flexes 90° in all directions.

Use "L," "T," "X," In-line, and variable angle connectors to turn corners or form "T" or "X" intersections. Power may be fed into the connectors. "L," In-Line, and variable angle connectors are polarized, "T" and "X" connectors are not. The "L" connector may be rotated for left or right angle turns. Jumper wires are provided for power continuity. Use plain track (or individual track with live end removed) and as many joiner tracks as required for each straight run of track between connectors. Connectors may be attached to cut track.
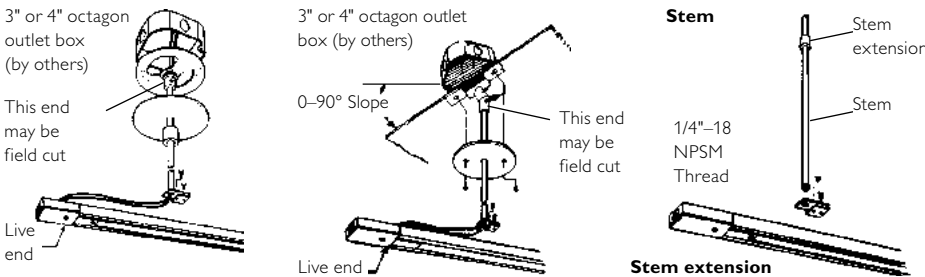
Y

Y
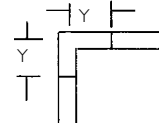
Add length (Y) to each track length to determine total length in patterns.

"L," "T," or "X" Connectors
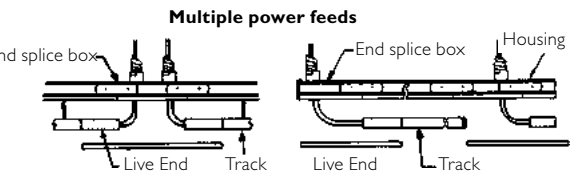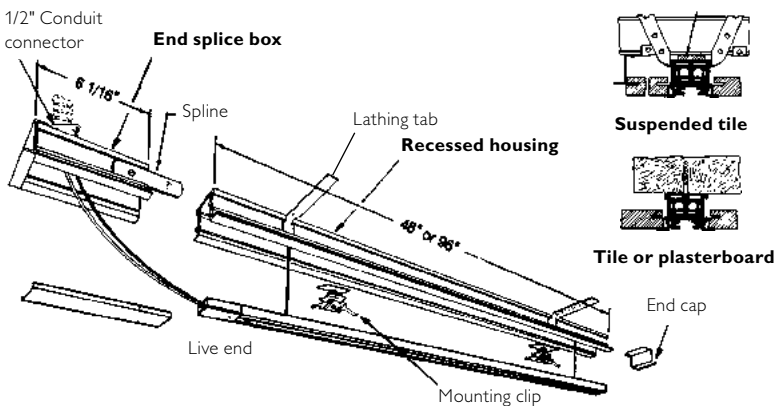
(Y) Basic   (Y) Advent
2 1/16"   2 3/4"

Stem mounting track

3" or 4" octagon outlet box (by others)

This end may be field cut

Live end

3" or 4" octagon outlet box (by others)

0–90° Slope

This end may be field cut

Live end

Stem

1/4"–18 NPSM Thread

Stem extension

Stem extension

Stem

Swivel stem
Stems (18" or 48") and swivel stems (48") attach to the track at any point, may be spaced up to 4' apart and may be cut in the field. 4' wire way cover provided with stems. **The stem extension kit** extends stem length 48" but may not be cut in the field because it is threaded at both ends. Stems can be used to feed power to a live end, "L," "T," "X," In-Line, or Variable Angle Connector; use stem closest to feed-in point. Not recommended for wall mounting.

Recessing track

1/2" Conduit connector

End splice box

6 1/16"

Spline

Lathing tab

Recessed housing

48" or 96"

Live end

Mounting clip

Suspended tile

Tile or plasterboard

End cap

Multiple power feeds

End splice box

End splice box

Housing

Live End   Track

Live End   Track

Basic and Advent track can be recessed in **4' or 8' recessed housings**. The housings may be installed individually or in straight runs and may be cut in the field. Use an individual track with a single housing. Use an individual track and as many joiner tracks as required for a run of housings. Lathing tabs, splines, and mounting clips are supplied with housings. Splines secure housings together. The **end splice box** is used for power feed and may be installed at the end of or between housings. End caps are provided with splice boxes.
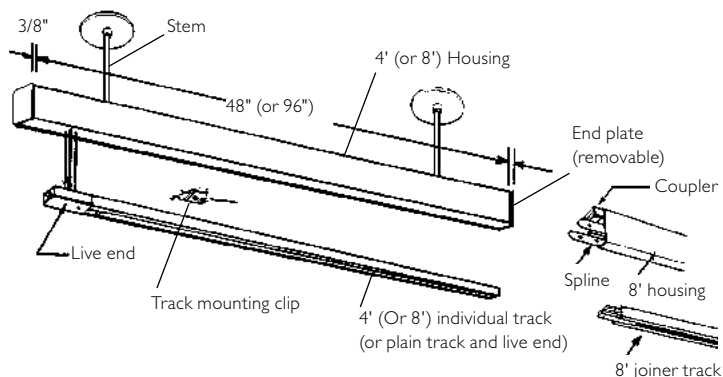
"L," "T," and "X" Splice boxes permit recessed track to be installed in patterns. Each straight run of track between splice boxes is started with a plain track or individual track with live end removed and as many joiner tracks as required. 7/8" K.O.'S are provided for power feed. **Electrical connector kits** (order separately) are used for power feed or power continuity at corners and intersections. "L," "T," or "X" track connectors used for surface or stem mounted track cannot be used with recessed track.

L splice box

3 3/4"

T splice box

3 3/4"

6"

X splice box
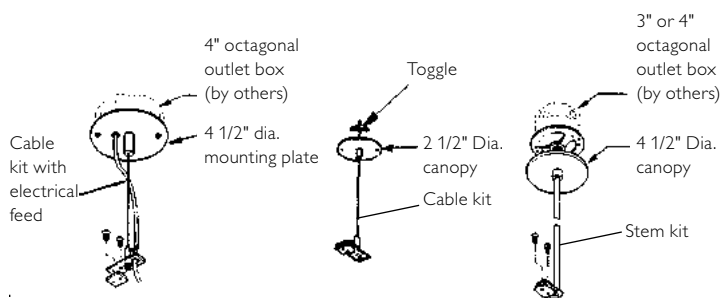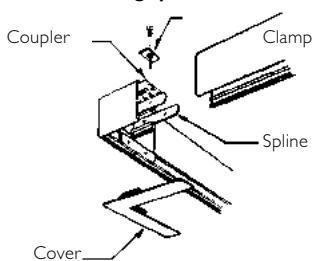
6"
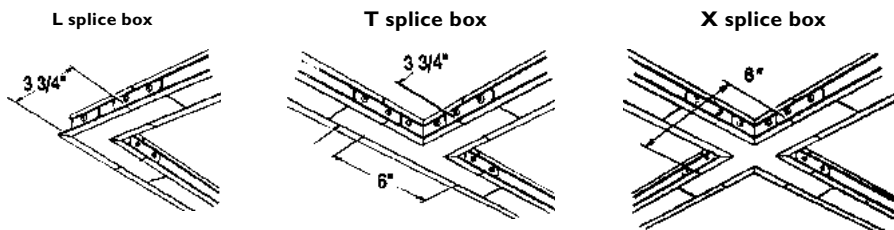
Suspension beam application guide

Suspension beam

4' and **8' Suspension beam housings** are designed to enclose **Basic** or **Advent** track. They may be installed individually or in straight runs and may be cut in the field. **End plates** and **track mounting clips** are furnished with 4' and 8' housings; couplers and splines are only provided with 8' housings.

3/8"

Stem

4' (or 8') Housing

48" (or 96")

End plate (removable)

Coupler

Live end

Spline

8' housing

Track mounting clip

4' (Or 8') individual track (or plain track and live end)

8' joiner track

Electrical connector kit
The l housing/splice box is used to form a right angle corner with suspension beam housing. **Electrical connector kits** (order separately) are required for power feed or power continuity at corners.

"L" Housing/splice box

Coupler

Clamp

Spline

Cover

4" octagonal outlet box (by others)

Cable kit with electrical feed

4 1/2" dia. mounting plate

Toggle

2 1/2" Dia. canopy

Cable kit

3" or 4" octagonal outlet box (by others)
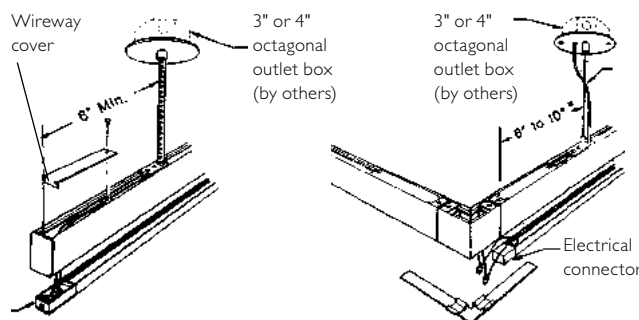
4 1/2" Dia. canopy

Stem kit

Housings are suspended by **stems** or **cables**. Both attach to the housings at any point (except at wireway cover), may be spaced up to 8' apart, and may be shortened in the field. Stems may be lengthened with a **stem extension**. Stems can be used for housings in straight runs or patterns. Cables are only recommended for patterns.

4" Octagonal outlet box (by others)

Cable with electrical feed

8' to 10"

Electrical connector

Electrical Connector
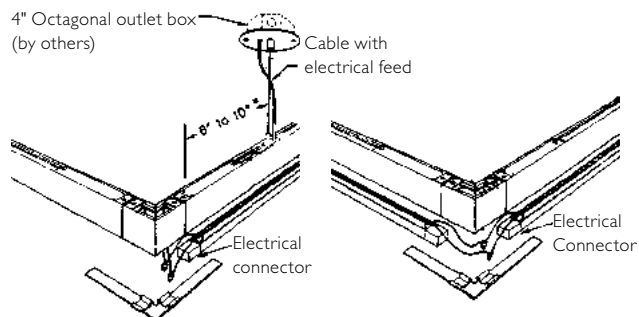
Feed-in to corner with cable

Power continuity at corner

Stems or cables with electrical feed are used to feed power to a live end or an electrical connector at a corner. Electrical connectors at corners are spliced together for power continuity.

Wireway cover

8" Min.

3" or 4" octagonal outlet box (by others)

3" or 4" octagonal outlet box (by others)

8' to 10"

Electrical connector

Feed-in to straight run with stem

Feed-in to corner with stem

Recessed housings and splice boxes must be installed before the ceiling is completed.

Resources

A responsibility to excel

Lightolier has an unmatched commitment to the downlighting industry with 65 years of continuous innovations and market leadership. It remains the trusted leader in LED downlighting with a reputation of technology leadership, reliability, and practical lighting solutions that beautifully illuminate your most important projects.
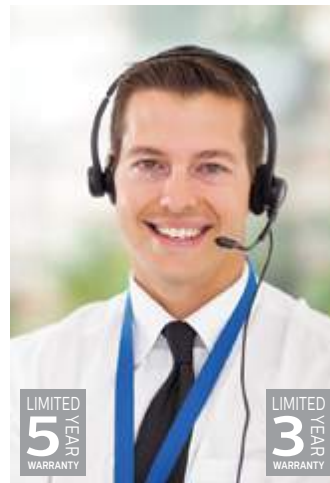
ENERGY STAR®

In 2006, Lightolier introduced a full line of ENERGY STAR® certified CFL downlights. These products met the strict requirements of both ENERGY STAR® and California's Title 24 legislation. Available in both residential and commercial versions with over 40 trim options. Products continue to be designed to provide the best possible energy efficiency for every application. Since then we have expanded our ENERGY STAR® certified portfolio to include nearly all CFL and LED luminaires.

Title 24

The California Energy Code, part 6 of the California Building Standards Code which is Title 24 of the California Code of Regulations, was created by the California Building Standards Commission in 1978 in response to a legislative mandate to reduce energy consumption in the state. The standards are updated periodically by the California Energy Commission to allow consideration and possible incorporation of new energy efficiency technologies and methods.

Warranties

A standard 5-year limited warranty is included on all LED products and a standard 3-year limited warranty is included on all CFL & INC products. Lightolier offers a wide range of high performance downlights with thousands of configurable solutions for use in multiple applications. All products are designed to be easily installed with a host of features that allow for fast and consistent installations and servicing. Visit www.philips.com/warranties for details and restrictions.

Underwriters Laboratories

The UL (Underwriters Laboratories) and CSA (Canadian Standards Association) are two separate independent safety science testing and certification agencies. If a product is cULus Listed, UL tested the product to meet all the requirements under the Canadian and US standards. Anything that has cULus mark is listed for use in both the Untied States and Canada. Visit www.ul.com for more information.

Nearly entire LED and CFL portfolio contains ENERY STAR® certified luminaires.

Multiple LED and CFL products within portfolio offer California Title 24 compliant options.

A standard 5-year limited warranty is provided for all Lightolier LED luminaires.

All LED, CFL and INC luminaires are cULus listed (many approved in damp or wet locations).

Dimming Compatibility

Please refer to Downlighting LED dimming specification sheet at **bit.ly/LED-DIM-DL**

Please refer to Track Lighting LED dimming specification sheet at **bit.ly/LED-DIM-TL**

Energy efficiency

Lightolier is committed to developing products that help meet the evolving energy conservation concerns by providing unsurpassed quality, exceptional performance and the latest technology in energy efficiency.

Distributor focus

With over 100 years of experience you can rest assured when trusting Lightolier with all your lighting needs. The choice of off-the-shelf solutions or configure-to-order options allow for the flexibility to conform to any project's requirements – no matter the scale.

Contractor focus

With a wide range of product families, lighting source types and installation options seamlessly blending Lightolier downlights into any commercial or residential area is a breeze. Mounting frames and reflector trims work seamlessly together for efficient and reliable results, while common aperture sizes provide the freedom of choice when unexpected project changes occur.

Supporting shelf-stocking needs

The goal of our service program is to ensure that we fully support your shelf stocking requirements and provide you with reliable lead times to address the demanding time-lines of construction and retrofit lighting projects. This program allows you to select the product and corresponding lead time to meet the needs of your customer's specific project. Stocked products will be shipped within 48hrs from our warehouses.*

For the most up-to-date guide with stock and quick ship products please contact your local Philips Sales Manager. Distributor Stock products: are a subset of the Service Smart items that should be maintained on distributor shelves at all times to manage everyday contractor demand.

Digital tools at your fingertips

The Philips Luminaire eCatalog is available at philips.com/luminaires and provides you and your customers with fast ways to identify the right product for their specific project.

1. Search: product family, product code, or product type.
2. Find: Up-to-date product information so you can always find current specs and product specific literature.
3. Use: Drop down menus to help you further refine your search to find the exact product to fit you needs.

ProLuminaire Mobile App

An inspiring, convenient and efficient way to view our entire luminaire and controls catalog of products. The ProLuminaire Mobile App provides instant access to professional lighting solutions via iOS or Android featuring:

· Mobile access to the entire professional lighting solutions for iOS and Android (phones/tablets).
· A variety of fast ways to search for your product by product type, brand, product name, product family code, and more.
· Media resources center to view product videos, brochures or presentations along with product and application images.
· Downloads and information sharing, including product literature such as spec sheets and install documents.

Support is always available

For technical support
1 (800) 573-1659
LOL.webmaster@philips.com
www.philips.com/luminaires

For customer support
1 (800) 555-0050
www.usa.lighting.philips.com/support/connect/contact-us

* Quick Ship products: will be assembled to order and ship within 2 weeks from our factories.

Visit **philips.com/ProLuminaireApp** for more information about The ProLuminaire Mobile App.

sìgnify