PHILIPS
LIGHTOLIER

Track Lighting

Comprehensive
product offering

LED

Exceeding standards
in innovation, flexibility,
and performance

January 2017 product offering

Our lighting story

Exceeding standards

The Philips Lightolier track story began over fifty years ago with Lytespan, a forward-thinking track line which allowed customers to easily adapt lighting to their specific needs. Today, Philips Lightolier is part of a global design network who work to maximize the power of light. Our product lines represent the apex of industry leading flexibility, functionality and quality. We continue to design our track products to perform in the most difficult applications with unprecedented performance to create the ultimate track lighting portfolio.
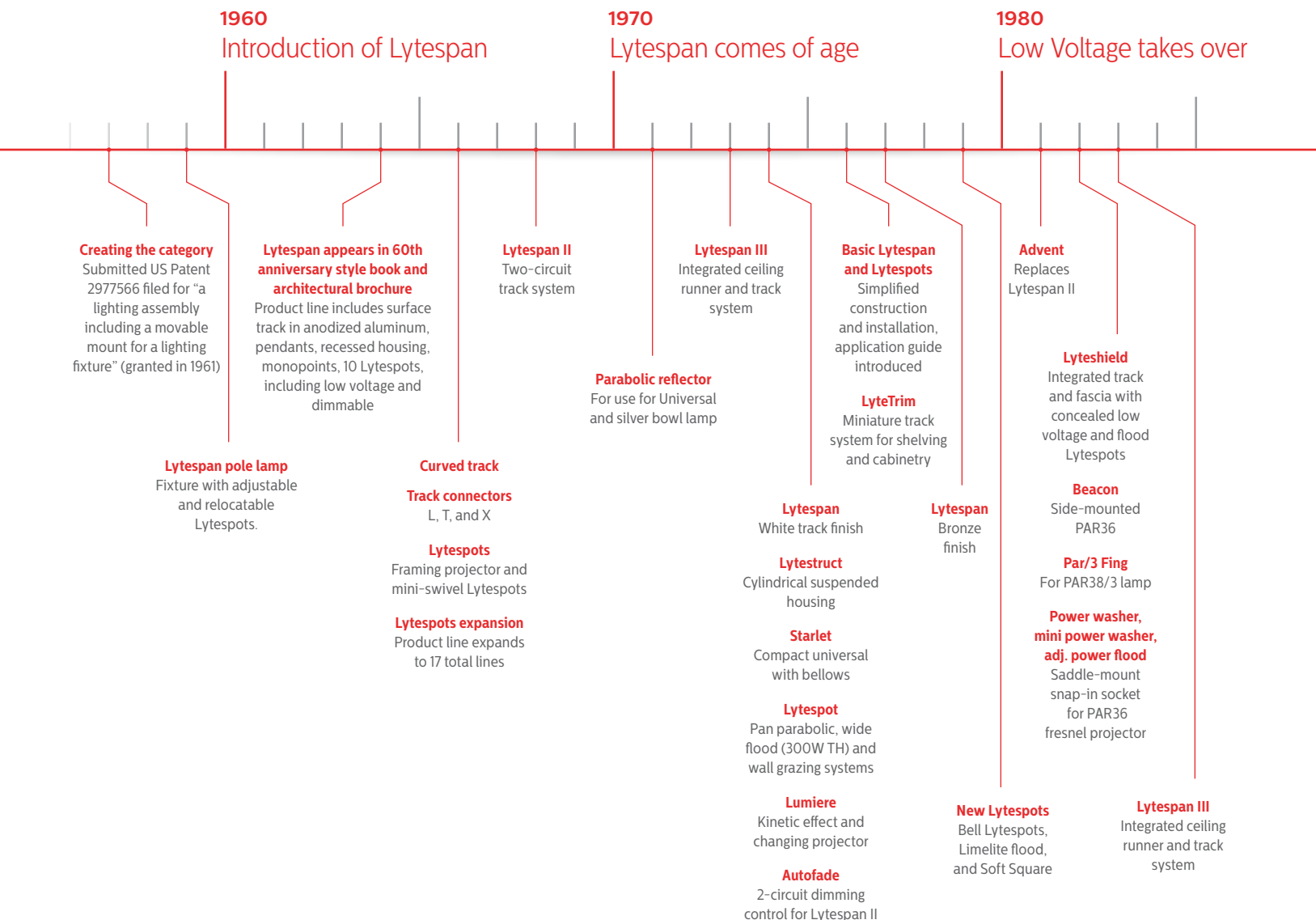
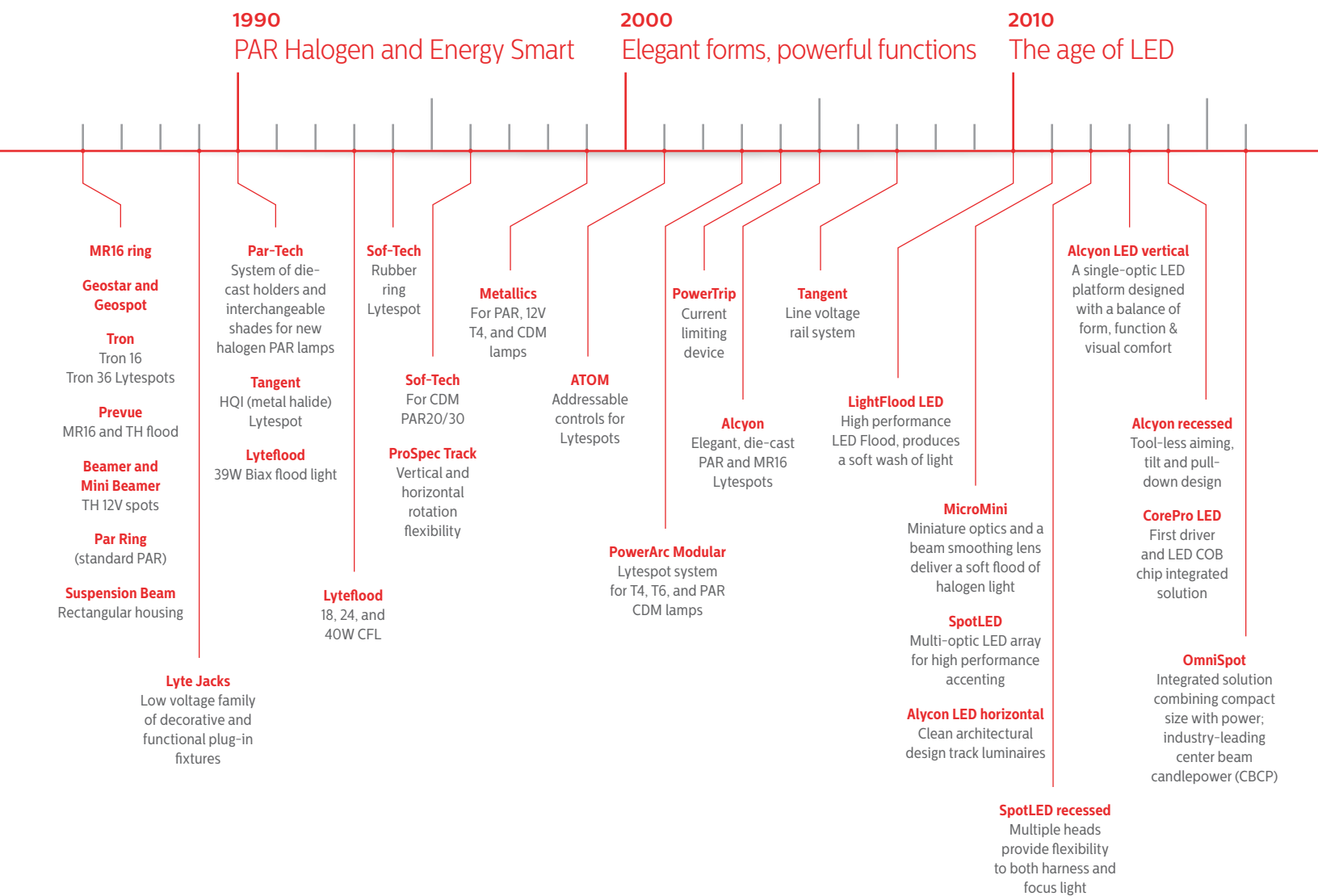# Contents

History
The inventors of track lighting

In 1957, Philips Lightolier recognized the potential of the spring-loaded pole lamp and introduced a vertical wall mounted track called Lytespan. The product line featured track luminaires called Lytespots that could be individually moved and adjusted anywhere on the track pole. In 1961, Philips Lightolier saw the market need for more effective overhead lighting so Lytespan 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.

Today, Philips Lightolier maintains the same Lytespan track system that was created in 1961 and any new product released is compatible with it. No matter how advanced the track luminaire technology becomes, we make a commitment to our customers to maintain compatibility and flexibility with our track systems to our customers.
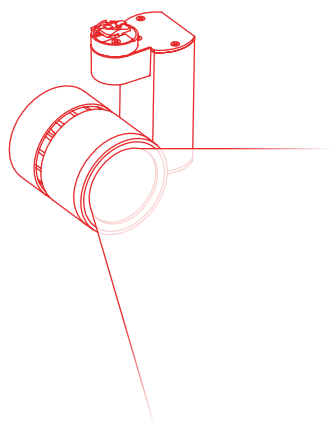
1960
Introduction of Lytespan

1970
Lytespan comes of age

1980
Low Voltage takes over

Creating the category
Submitted US Patent 2977566 filed for "a lighting assembly including a movable mount for a lighting fixture" (granted in 1961)

Lytespan appears in 60th anniversary style book and architectural brochure
Product line includes surface track in anodized aluminum, pendants, recessed housing, monopoints, 10 Lytespots, including low voltage and dimmable

Lytespan II
Two-circuit track system

Lytespan III
Integrated ceiling runner and track system

Basic Lytespan and Lytespots
Simplified construction and installation, application guide introduced

Advent
Replaces Lytespan II

LyteTrim
Miniature track system for shelving and cabinetry

Lyteshield
Integrated track and fascia with concealed low voltage and flood Lytespots

Lytespan pole lamp
Fixture with adjustable and relocatable Lytespots.

Curved track

Track connectors
L, T, and X

Lytespots
Framing projector and mini-swivel Lytespots

Lytespots expansion
Product line expands to 17 total lines

Parabolic reflector
For use for Universal and silver bowl lamp

Lytespan
White track finish

Lytestruct
Cylindrical suspended housing

Starlet
Compact universal with bellows

Lytespot
Pan parabolic, wide flood (300W TH) and wall grazing systems

Lumiere
Kinetic effect and changing projector

Autofade
2-circuit dimming control for Lytespan II

Lytespan
Bronze finish

Beacon
Side-mounted PAR36

Par/3 Fing
For PAR38/3 lamp

Power washer, mini power washer, adj. power flood
Saddle-mount snap-in socket for PAR36 fresnel projector

New Lytespots
Bell Lytespots, Limelite flood, and Soft Square

Lytespan III
Integrated ceiling runner and track system

Every Philips Lightolier track luminaire today will work on the very first piece of track we ever produced.

1990
PAR Halogen and Energy Smart

2000
Elegant forms, powerful functions

2010
The age of LED

MR16 ring

Geostar and Geospot

Tron
Tron 16
Tron 36 Lytespots

Prevue
MR16 and TH flood

Beamer and Mini Beamer
TH 12V spots

Par Ring
(standard PAR)

Suspension Beam
Rectangular housing

Lyte Jacks
Low voltage family of decorative and functional plug-in fixtures

Par-Tech
System of die-cast holders and interchangeable shades for new halogen PAR lamps

Tangent
HQI (metal halide) Lytespot

Lyteflood
39W Biax flood light

Lyteflood
18, 24, and 40W CFL

Sof-Tech
Rubber ring Lytespot

Sof-Tech
For CDM PAR20/30

ProSpec Track
Vertical and horizontal rotation flexibility

Metallics
For PAR, 12V T4, and CDM lamps

ATOM
Addressable controls for Lytespots

PowerArc Modular
Lytespot system for T4, T6, and PAR CDM lamps

PowerTrip
Current limiting device

Alcyon
Elegant, die-cast PAR and MR16 Lytespots

Tangent
Line voltage rail system

LightFlood LED
High performance LED Flood, produces a soft wash of light

MicroMini
Miniature optics and a beam smoothing lens deliver a soft flood of halogen light

SpotLED
Multi-optic LED array for high performance accenting

Alycon LED horizontal
Clean architectural design track luminaires

SpotLED recessed
Multiple heads provide flexibility to both harness and focus light

Alcyon LED vertical
A single-optic LED platform designed with a balance of form, function & visual comfort

Alcyon recessed
Tool-less aiming, tilt and pull-down design

CorePro LED
First driver and LED COB chip integrated solution

OmniSpot
Integrated solution combining compact size with power; industry-leading center beam candlepower (CBCP)

3

Choosing a solution

Unsurpassed **Performance**

From architectural-grade Alcyon to cost-effective CorePro, Philips Lightolier delivers great performance at every level and application to fit your need. Combined with dynamic architectural finishes, our track looks as superior as it performs. By always using the most advanced technology, we maintain high efficacy and high center beam candlepower. From retail stores to office spaces and residential areas, Philips Lightolier delivers over 50 years of high performance track lighting for every application.
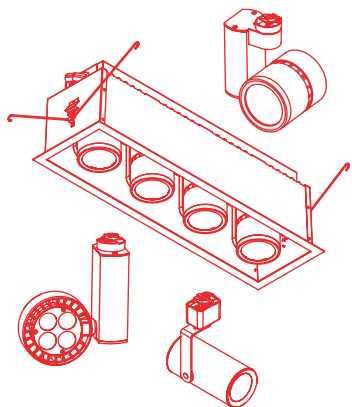
Comprehensive **Selection**

As the innovator of track lighting, it is no surprise that Philips Lightolier continues to offer the widest assortment of track lighting product available. Offering multiple lumen packages, a variety of CRI/CCT options, and many track accessories, our track lighting offers the end user an infinite combination of lighting solutions. From budget oriented products to the most advanced technology, we provide the right product at the right price for any retail, commercial, or residential application.
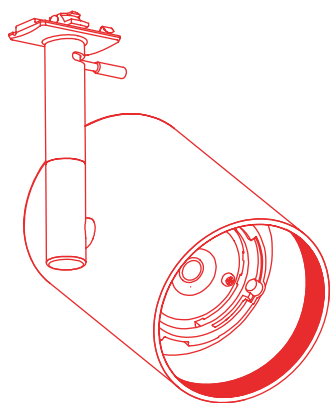
Reputation for **Quality**

Backed by over 50 years of design innovation and excellence, Philips Lightolier track lighting is an investment in quality. To uphold our reputation for quality, Philips Lightolier constructs all track product families and systems. Important details such as extruded aluminum track, long-lasting materials, advanced optical designs, and built-in two-circuit compatibility make Philips Lightolier products stand out from the competition.

A **versatile** three-part system

## Reliable. Variety. Customizable.
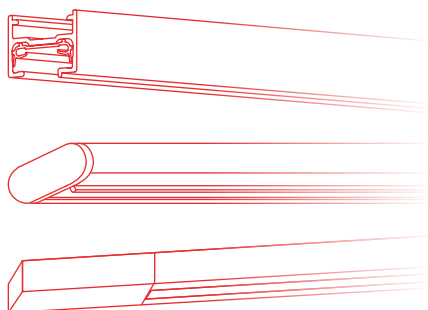
1. **Reliable** track systems

Philips Lightolier track systems provide the electrical distribution and mechanical connection point for track luminaires. Track is offered in a wide variety: surface, recessed, suspended, one or two circuit, and a variety of finishes and connector options. Basic, Radius, and Advent are the three main track system options.
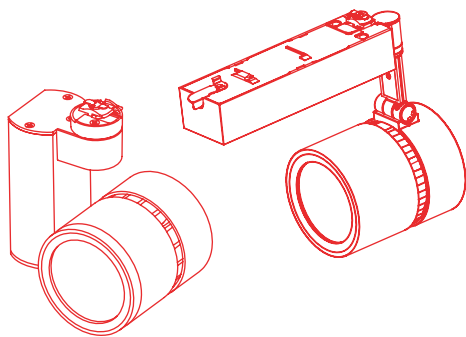
2. **Variety** of track luminaires

Philips Lightolier track luminaires provide the lighting, optical, and aiming effects. From residential to retail, there are plenty of product options to fit your exact needs. All track product families are compatible with Basic, Radius, and Advent track systems.
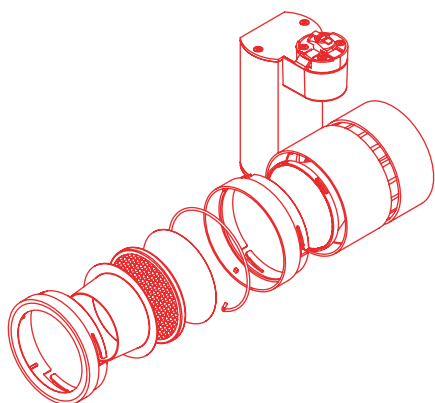
3. **Customizable** accessories

Accessories allow the specifier to customize the installation by shaping, tinting, and diffusing light to the desired effect. Choose from a wide assortment of filters, screens, lenses, adapters, and louvers to create custom effects that make a unique statement.

Technology

The end user no longer has to choose between higher lumens, compact size, or high energy efficiency – they can now have it all.

As LED technology evolves, Philips Lightolier is able to make integrated LED track solutions even smaller to mimic the look of conventional track products. Our track lighting solutions are getting smaller while maintaining energy efficiency, maximum light performance and rated lifetime.

LED vs. Conventional

Product	Flux	Power	Efficacy	Beam	CBCP	Rated Life
CorePro integrated LED track fixture	633 lm	8.7 W	73 lm/W	20°	2,926 cd	50,000 hr
MR16 LED Lamp	660 lm	8.5 W	78 lm/W	25°	3,250 cd	25,000 hr
MR16 Halogen Lamp	700 lm	50+ W	14 lm/W	20°	4,200 cd	4,000 hr
OmniSpot integrated LED track fixture	1000 lm	12 W	83 lm/W	11°	13,863 cd	50,000 hr
PAR30 LED Lamp	900 lm	12 W	75 lm/W	15°	7,900 cd	25,000 hr
PAR30 Halogen Lamp	1100 lm	75 W	15 lm/W	9°	14,000 cd	2,500 hr
SpotLED integrated LED track fixture	3000 lm	39 W	77 lm/W	8°	82,000 cd	50,000 hr
PAR38 LED Lamp	2800 lm	32 W	88 lm/W	15°	30,000 cd	25,000 hr
PAR38 CMH Lamp	4800 lm	70 W	69 lm/W	10°	50,000 cd	1,000 hr

Note: Above **CBCP** refers to center beam candlepower and **cd** refers to candelas.
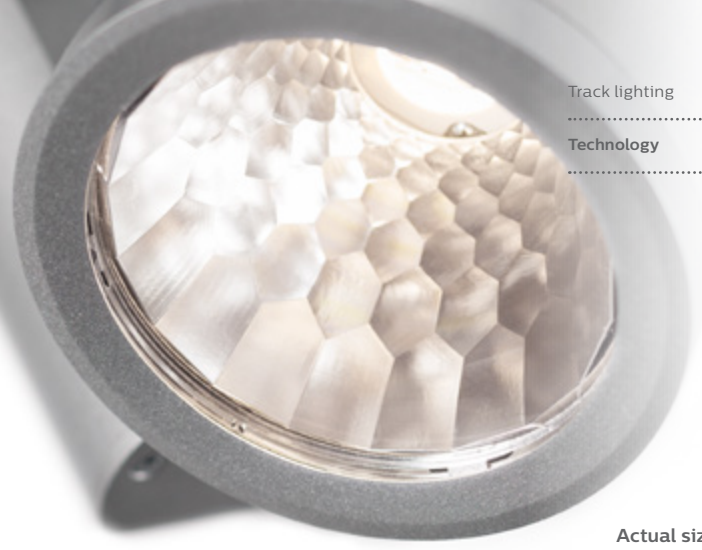
Narrow Spot (10°)

Spot (18°)

Narrow Flood (24°)

Flood (36°)

Actual size
LLAV01/ LLAV11
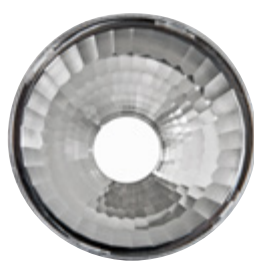
Optics

Reflector design and beam performance

Tailoring the light to merchandise, displays or an object within a space is extremely important in accent lighting applications. The luminaire's optical system plays a central role in ensuring the quality and efficiency of the chosen lighting solution. With Philips Lightolier interchangeable reflectors and beam pattern precision, designers have a creative license to design with light.

Center Beam Candlepower

Depicted with a diffused film option.

The optic design objective is to focus on the Center Beam Candlepower (CBCP) punch rather than the amount of lumens projected onto the object. In this illustration, the light output is intensified in the center to better accent the merchandise or highlight areas within an object to create the emotion draw from the shopper.

CrispWhite

The Lumileds 90 CRI CrispWhite technology combines the warm, saturated colors of high CRI with crisp and vibrant whites. The small form factor and high quality of light make this an impactful option for retail display areas.

Learn more at: www.lumileds.com/products/luxeon-cob-with-crispwhite

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, Philips 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 Philips Lightolier quality.

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

CorePro LED

An affordable, compact, integrated LED
solution to easily replace MR16 track luminaire.

Applications: Residential, Retail, Hospitality
Lumens (Watts): 700 lm (9W)
Efficacy: Up to 80 lm/W

CBCP*: 2,926 cd (at 20°), 1,537 cd (at 35°)
Beam spreads: Narrow Flood (20°), Wide Flood (35°)
Special options: CrispWhite, Competitor Adapters

OmniSpot LED

Small form factor combined with superior performance;
disappearing in the ceiling at less than 1" from the track when mounted.

Applications: Retail, Hospitality, Grocery
Lumens (Watts): 600 lm (6W), 1000 lm (12W),
2000 lm (25W)
Efficacy: Up to 108 lm/W

CBCP*: 29,997 cd (at 2000lm with 10°)
Beam spreads: Narrow Spot (10°), Spot (18°),
Narrow Flood (24°), Flood (36°)
Special options: CrispWhite, Competitor Adapters

Spot LED

A multi-optic vertically mounted track luminaire with
market leading center beam candlepower (CBCP) punch.

Applications: Retail, Grocery, High Ceilings
Lumens (Watts): 600 lm (10W), 1000 lm (14W),
2000 lm (28W), 3000 lm (39W)
Efficacy: Up to 78 lm/W

CBCP*: 82,000 cd (at 3000lm with 8°)
Beam spreads: Spot (8°), Narrow Flood (20°), Flood (36°)
Special options: Competitor Adapters

Alcyon LED vertical

Single optic vertically mounted track luminaire with a clean,
architectural design, and a large variety of beam spreads.

Applications: Retail, Hospitality, Grocery
Lumens (Watts): 600 lm (10W), 1000 lm (15W),
2000 lm (28W), 3000 lm (34W)
Efficacy: Up to 93 lm/W

CBCP*: 47,724 cd (at 3000lm with 10°)
Beam spreads: Narrow Spot (10°), Spot (18°),
Narrow Flood (24°), Flood (36°)
Special options: CrispWhite, Competitor Adapters

Alcyon LED horizontal

Single optic track luminaire with a clean, architectural design
and horizontally mounted so it appears even smaller in the ceiling.

Applications: Retail, Hospitality, Grocery
Lumens (Watts): 1100 lm (15W)
Efficacy: Up to 78 lm/W

CBCP*: 11,711 cd (at 13°)
Beam spreads: Spot (13°), Narrow Flood (22°), Flood (28°)
Special options: CrispWhite

LightFlood LED

A linear LED flood fixture that delivers a powerful, uniform beam at high efficacy.

Applications: Retail, Commercial
Lumens (Watts): 2000 lm (23W), 4000 lm (45W)
Efficacy: Up to 100 lm/W

CBCP*: 881 cd (at 100°), 1,434 (at 111°)
Beam spreads: 100° (23W), 111° (45W)

* Above **CBCP** refers to center beam candlepower and **cd** refers to candelas.

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 80 lm/W at 3000K
- Lumens (Watts): 700 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** 700 lm (9 W)	**RNF** 20° 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]

1. The Capri (C) adapter is not available with an Aluminum (AL) finish.
2. The CrispWhite (CW) option is only available for the 90 CRI / 3000 K (930) CRI / CCT configuration.
   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 1⁄2"
114 mm

2 1⁄4"
57 mm

2 7⁄16"
62 mm

90°

5 3⁄16"
132 mm

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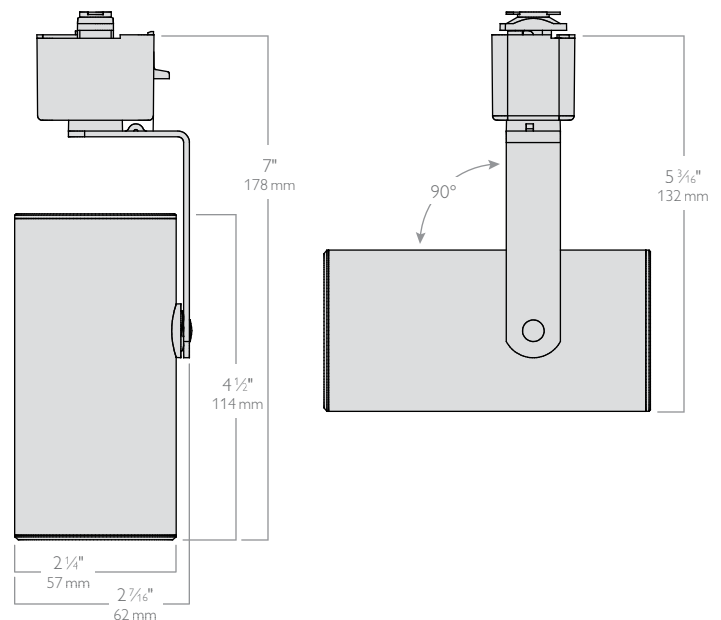
Actual size

LTO8

700 lm (9 W)

Aluminum
Matte White
Matte Black

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

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
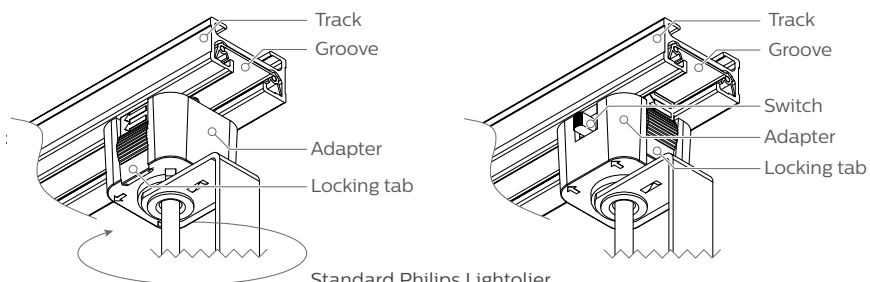
Standard Philips Lightolier
track adapter depicted above.

Track
Groove

Switch
Adapter
Locking tab

OmniSpot LED

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: 90CRI/3000K combination

Components

1. Adapter
2. Fixture
3. Optic

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

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.
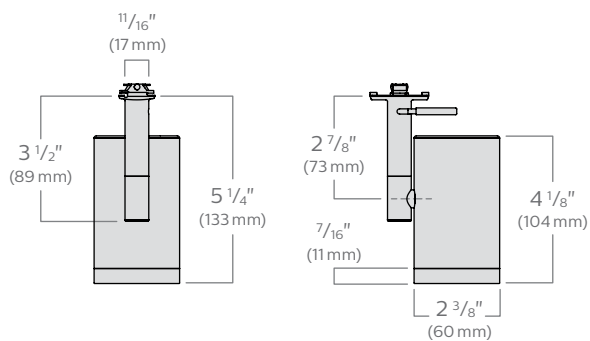
Actual size

Philips Lightolier OmniSpot LED track luminaires are 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. 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.
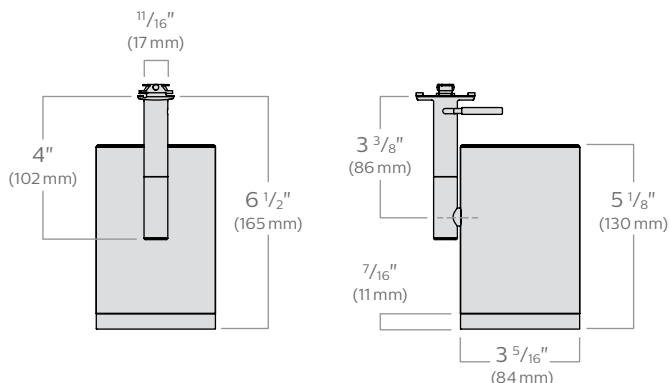
LC06 & LC10

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)

See specification sheets **LC06**, **LC10**, or **LC20** 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 Accommodates multiple accessories.

③

④

⑤

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	**WH** Matte White
8595	for 28 W[4]	**BK** Matte Black
LLAB1AH	for 39 W series	
Snoots		
23N30	for 10 W & 14 W series	**AL** Aluminum
23NT6	for 28 W & 39 W series	**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.
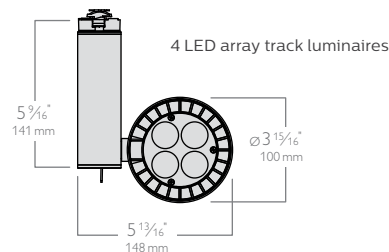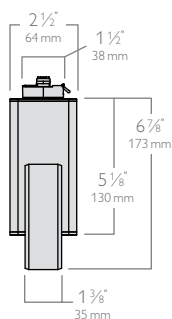
Actual size

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.
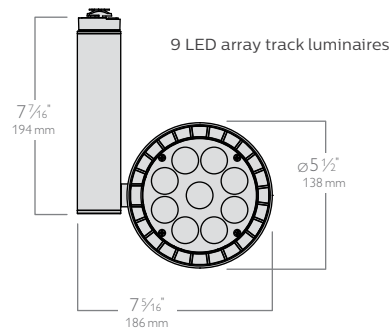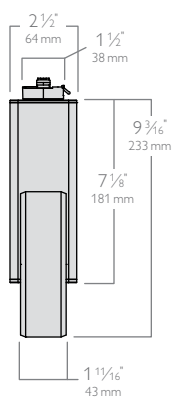
■ Aluminum
□ Matte White
■ Matte Black

2 ½"
64 mm

1 ½"
38 mm

6 ⅞"
173 mm

5 ⅛"
130 mm

1 ⅜"
35 mm

5 ⁹⁄₁₆"
141 mm

4 LED array track luminaires

⌀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

7 ⁷⁄₁₆"
194 mm

9 LED array track luminaires

⌀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

7 ⁹⁄₁₆"
194 mm

12 LED array track luminaires

⌀6 ¹⁄₁₆"
154 mm

7 ⅞"
201 mm

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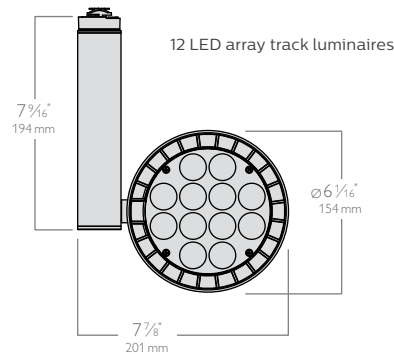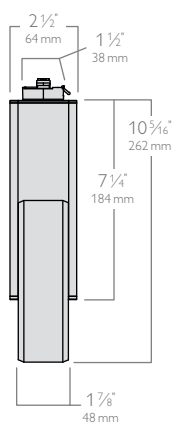
Spot LED
recessed multiple

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

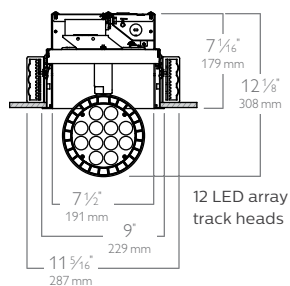| Series	Lengths	Options
LLABR		**MK**
LLABR Spot LED recessed multiple	**9** 9" for 1 head **17** 17" for 2 head **24** 24" for 3 head **32** 32" for 4 head	**MK** Mud-in kit is only available with flangeless trim (FT) option

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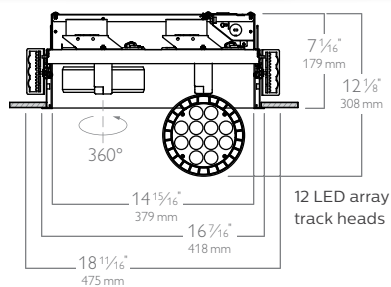3. Color filters will project colored light on ceiling.

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.

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
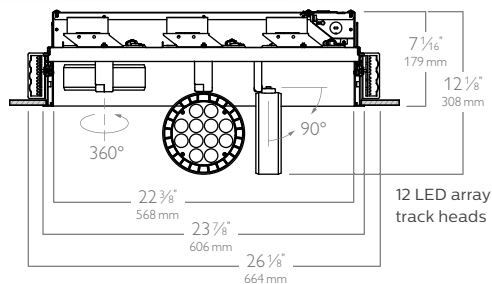
LLABR32

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

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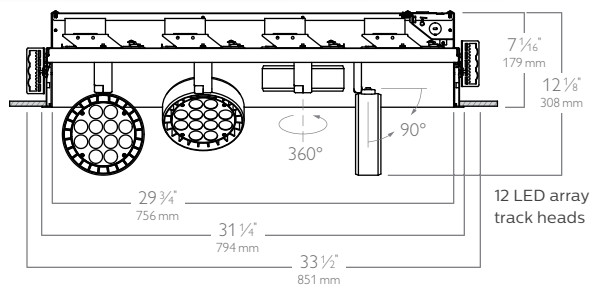
Alcyon LED
vertical

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): 600 lm (10 W), 1000 lm (15 W), 2000 lm (28 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	600 lm (10 W)	27	80 CRI / 2700 K	—	Lightolier	AL	Alum.	—	None (leave blank)
	11	1000 lm (15 W)	30	80 CRI / 3000 K	H	Halo	WH	White		
			40	80 CRI / 4000 K	J	Juno	BK	Black		
	20	2000 lm (28 W)			P	Prospec[2]				
	30	3000 lm (34 W)	927	90 CRI / 2700 K	—	Lightolier	AL	Alum.	CW	CrispWhite[3]
			930	90 CRI / 3000 K[1]	H	Halo	WH	White		
					J	Juno	BK	Black		
					P	Prospec[2]				

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	600 lm (10 W) 1000 lm (15 W) 2000 lm (28 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 10 W, 15 W & 28 W series		AL	Aluminum
LLAV12AH	for 34 W series		WH	Matte White
			BK	Matte Black
Snoots				
LLA11SN	for 10 W, 15 W & 28 W series		AL	Aluminum
23SNT6	for 34 W series		WH	Matte White
			BK	Matte Black
Diffusion filters				
LLAV11	for 10 W, 15 W & 28 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 10 W, 15 W, & 28 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.

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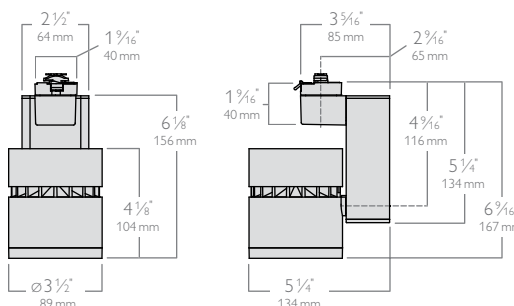
Actual size

LLAV01 & LLAV11

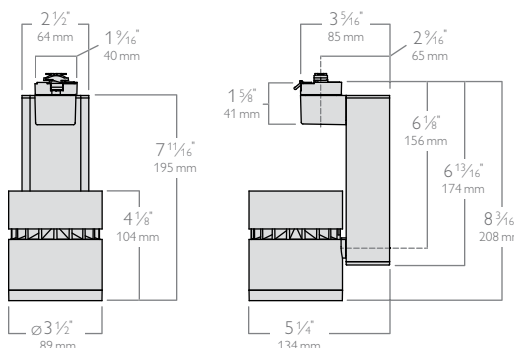**600 lm (10 W) & 1000 lm (15 W)**

- 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 (28 W)

- 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

See specification sheets **LLAV01, LLAV11, LLAV20,** or **LLAV30** for additional drawings and information.
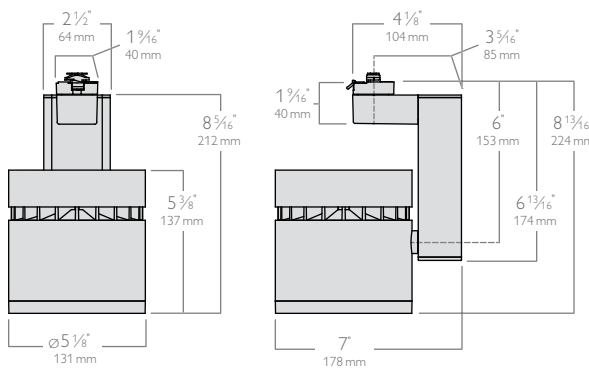
Alcyon LED
vertical recessed multiple

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
- 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

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

Alcyon LED
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 (15 W)
- Correlated Color Temp. (CCT): 2700 K, 3000 K, 3500 K, 4000 K
- Color Rendering Index (CRI): 80 –90
- Beam spreads: Spot, Narrow Flood, Flood
- Finishes: Aluminum, Matte White, Matte Black
- Dimming: Trailing edge (ELV)
- CrispWhite: 90 CRI/3000 K combination

LLAH

1 3/8" 35 mm
2 7/8" 73 mm

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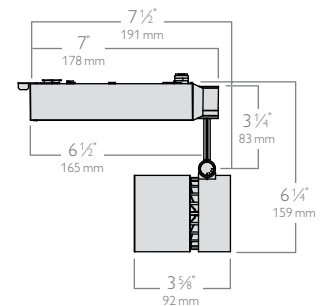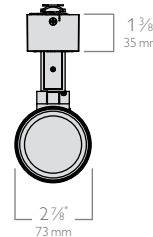
- Aluminum
- Matte White
- Matte Black

Fixture

example: LLAH11835BTECW

Series	Lumens (W)	CRI/CCT		Finishes		Dimming	Options	
LLAH	**11**							
LLAH Alcyon LED horizontal	11 1100 lm (15 W)	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		A Aluminum W Matte White B Matte Black		TE Triac/ELV	— None (leave blank) CW 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 13° Spot RNF 22° Narrow Flood RF 28° Flood

Spot   Narrow Flood   Flood

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

Track lighting
....

**Alcyon LED
horizontal &
LightFlood LED**
....

LightFlood LED
linear flood

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): 2000lm (23W),
                            4000lm (45W)
- Correlated Color Temp. (CCT):
  2700K, 3000K, 4000K
- 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

1 ⅛"
28 mm

2 ⅞"
73 mm

3 ⅜"
95 mm

11 ⅜"
289 mm

13 ⅜"
340 mm

3 ¼"
83 mm
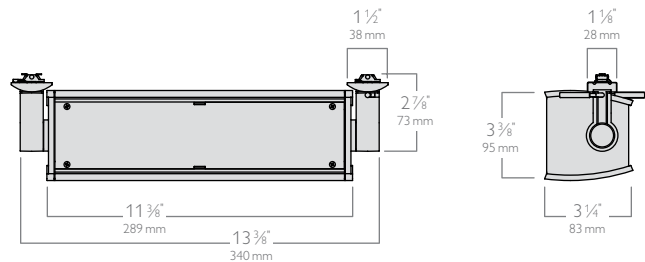
Fixture

Series	Lumens (Watts)	CCT	Finishes
LLF	☐	☐	☐
LLF LightFlood LED	**2** 2000lm (23W) **4** 4000lm (45W)	**27** 2700K* **30** 3000K **40** 4000K	**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.

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

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 ³⁄₈"
162 mm

4 ¹⁄₈"
104 mm

5 ⁵⁄₈"
143 mm

ø 4"
102 mm

9038N

Aluminum
Matte White
Matte Black

8"
203 mm

5 ³⁄₄"
146 mm

7 ³⁄₈"
187 mm

ø 5"
127 mm
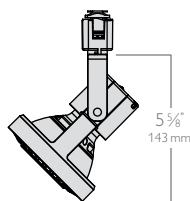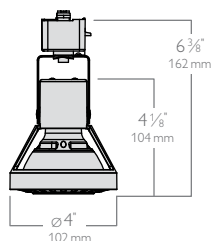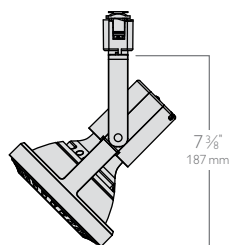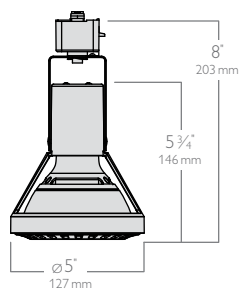
Fixture

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.

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

Alcyon Low & Line Voltage track luminaires

Alcyon is unsurpassed in function, design and quality; from new construction to renovation, from residential to retail, from accent lighting to wall washing. Perfecting the application of line voltage and brilliant low voltage light sources, Alcyon is the ideal solution for a wide spectrum of interior lighting applications.

Low Voltage

Economical and easily dimmable, delivering the drama and impact of lighting using MR16 and T4 bi-pin LED and traditional lamps in the smallest envelope currently available.

Available finishes

WH White
AL Aluminum
BK Black

Glass Ring
22GR6

Open Ring
22OR6

Not offered
in AL finish.

Step Spot
22SS6

Cylinder
22MC6

Glass Cylinder
22GC6

Wall Washer
22MW6

Micro Flood
22MW4

Line Voltage

Delivers high levels of illumination that are easily dimmable using PAR20, PAR30, PAR38 and T4 LED and traditional lamps.

Available finishes

WH White
AL Aluminum
BK Black

Open Ring
22OR2

Open Ring
22OR3

Open Ring
22OR8

Wall Washer
22WW4

Step Spot
22SS2

Step Spot
22SS3

Step Spot
22SS8

Sof-Tech Low & Line Voltage track luminaires

Low Voltage

This series of low voltage units features die-cast elements combined with silicone rubber components and a vertical electronic transformer for a sleek, compact look.

Enclosed Spot
6275B (MR16)

Aluminum
Matte White
Matte Black

75W MR16 max

Enclosed Spot
6279 (PAR36)

Matte White
Matte Black

50W PAR36 max

Enclosed Spot
6276B (MR16)

Aluminum
Matte White
Matte Black

50W MR16 max

Enclosed Spot
6289 (AR111)

Aluminum
Matte White
Matte Black

75W AR111 max

Line Voltage

An innovative line of halogen fixtures designed specifically for the PAR16, PAR20, PAR30, and PAR38 lamps. The minimal silhouette has the look of low voltage without the need for transformers. The marriage of die-cast aluminum components with heat-resistant silicone rubber elements results in a refined appearance. A wide silicone band surrounds the lamp ring and the socket cup is enclosed in an articulated silicone housing to provide a comfortable grip for aiming and relamping. These units are engineered to ensure cool operation over the life of the product. Painted finishes include Matte White, Matte Black and Metallic Aluminum.

Spot
8416

Aluminum
Matte White
Matte Black

50W PAR20 max

Spot
8420

Aluminum
Matte White
Matte Black

50W PAR20 max

Spot
8430

Aluminum
Matte White
Matte Black

75W PAR30 max

Ring
8320

Aluminum
Matte White
Matte Black

50W PAR20 max

Ring
8330

Aluminum
Matte White
Matte Black

75W PAR30 max

Ring
8338

Aluminum
Matte White
Matte Black

250W PAR38 max

Par-Tech Low Profile track luminaires

Complete unit = adapter + shade (ex: 8201 + 8215)

Mesh Shade

Matte White
Matte Black

PAR20, PAR30, PAR38

8201 + 8229

50W PAR20 max

8201 + 8239

75W PAR30 max

8201

75W R20 max
100W R30 max

75W PAR16 max
50W PAR20 max
75W PAR30 max
150W PAR38 max

Low Profile Adapter

Ring Shade

Matte White
Matte Black

PAR20, PAR30, PAR38

8201 + 8228

75W PAR16 max

8201 + 8238

50W PAR20 max

8201 + 8248

75W PAR30 max

Bezel Shade

Matte White
Matte Black

PAR16, PAR20, PAR30, PAR38

8201 + 8217

60W PAR16 max

8201 + 8227

50W PAR20 max

8201 + 8237

75W PAR30 max

8201 + 8247

150W PAR38 max

Cylinder Shade

Matte White
Matte Black

PAR16, PAR20, PAR30

8201 + 8216

75W PAR16 max

8201 + 8226

50W PAR20 max

8201 + 8236

75W PAR30 max

Cone Shade

Matte White
Matte Black

PAR16, PAR20, PAR30

8201 + 8215

75W PAR16 max

8201 + 8225

50W PAR20 max

8201 + 8235

75W PAR30 max

Par-Tech Hinged track luminaires

Complete unit = adapter + shade (ex: 8202 + 8215)

Mesh Shade

Matte White
Matte Black

PAR20, PAR30, PAR38

8202 + 8229
50W PAR20 max

8202 + 8239
75W PAR30 max

8202
75W R20 max
100W R30 max

75W PAR16 max
50W PAR20 max
75W PAR30 max
150W PAR38 max

Hinged Adapter

Ring Shade

Matte White
Matte Black

PAR20, PAR30, PAR38

8202 + 8228
75W PAR16 max

8202 + 8238
50W PAR20 max

8202 + 8248
75W PAR30 max

Bezel Shade

Matte White
Matte Black

PAR16, PAR20, PAR30, PAR38

8202 + 8217
60W PAR16 max

8202 + 8227
50W PAR20 max

8202 + 8237
75W PAR30 max

8202 + 8247
150W PAR38 max

Cylinder Shade

Matte White
Matte Black

PAR16, PAR20, PAR30

8202 + 8216
75W PAR16 max

8202 + 8226
50W PAR20 max

8202 + 8236
75W PAR30 max

Cone Shade

Matte White
Matte Black

PAR16, PAR20, PAR30

8202 + 8215
75W PAR16 max

8202 + 8225
50W PAR20 max

8202 + 8235
75W PAR30 max

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. Tangent may be surface mounted or suspended, in straight runs or in sweeping architectural curves.

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
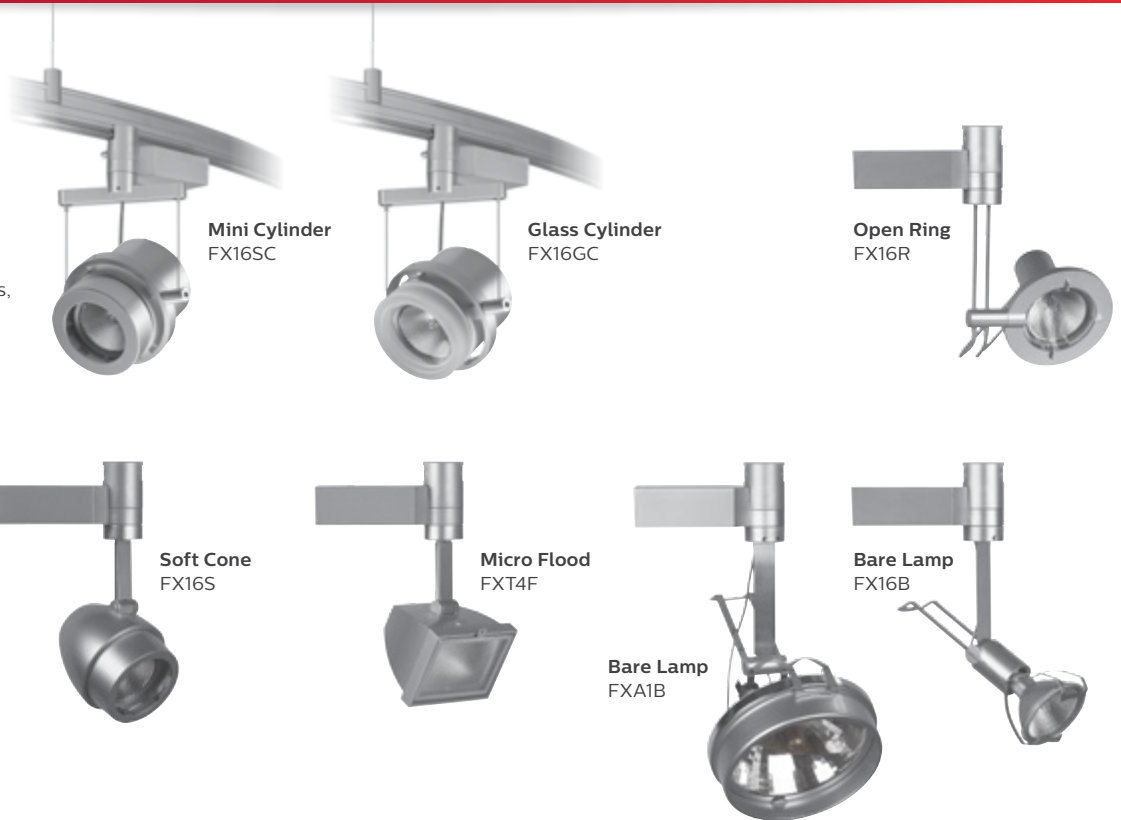
Bare Lamp
FX16B

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

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.

Bending machine
FX100   Silver

Allows Tangent surface track, suspension beam and truss to be precisely field bent down to a minimum radius of 3 feet. Scratch resistant nylon rollers are specifically designed to accept all three track profiles. Assembled from durable steel, requires no power. Tool clamps easily to table or work surface.

Bending machine
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.
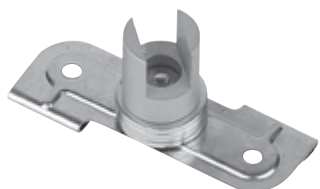
Regressed-edge clips
FX87   Silver

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.
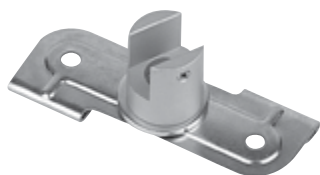
Square-edge clips
FX89   Silver

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

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.

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.

Surface Powertrip
FX99   Silver

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

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. Tangent may be field bent to a minimum radius of 3 feet allowing for an infinite variety of custom configurations in any application when using tangent bending machine.

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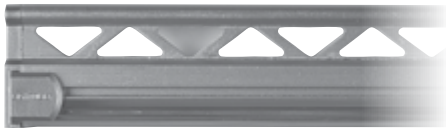
Suspension truss
FXT08   Silver, clear anodized plain 8' truss

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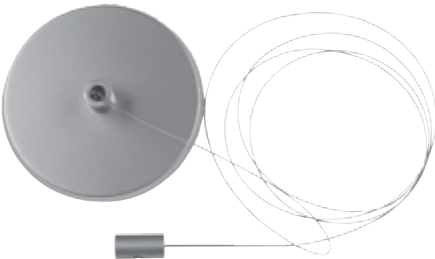
Cable suspension
FXS68   Silver, 8' adjustable stainless steel
          aircraft cable. Installs on hard or grid
          ceilings. Ceiling canopy included.

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.
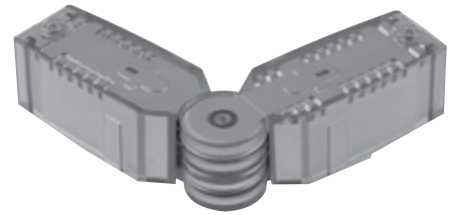
Variable angle connector
FXS53   Silver, electrical/mechanical
FXS52   Silver, mechanical only

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.

Traditionals Line voltage track luminaires

Mini Universal
9021

Aluminum
Matte White
Matte Black

PAR16, R20, PAR20,
PAR30 and PAR38
from 30W to 250W.

Universal
6320/6322

Matte White
Matte Black

PAR16 75W Max.
All R20, PAR38, ER30
and R40 screw base
lamps from 30W to 300W.
All R20, PAR20, PAR30,
PAR38 and R40.

Ring
6278

Matte White
Matte Black

PAR20 50W Max.

Ring
6282/6283

Matte White
Matte Black

PAR30 75W Max.

Ring
6284/6285

Matte White
Matte Black

PAR38 250W Max.

Miniforms Low voltage track luminaires

Mini Cylinder
9173B

Aluminum
Matte White
Matte Black

50W MR16 max

Shallow Ring
9175N

Aluminum
Matte White
Matte Black

50W MR16 max

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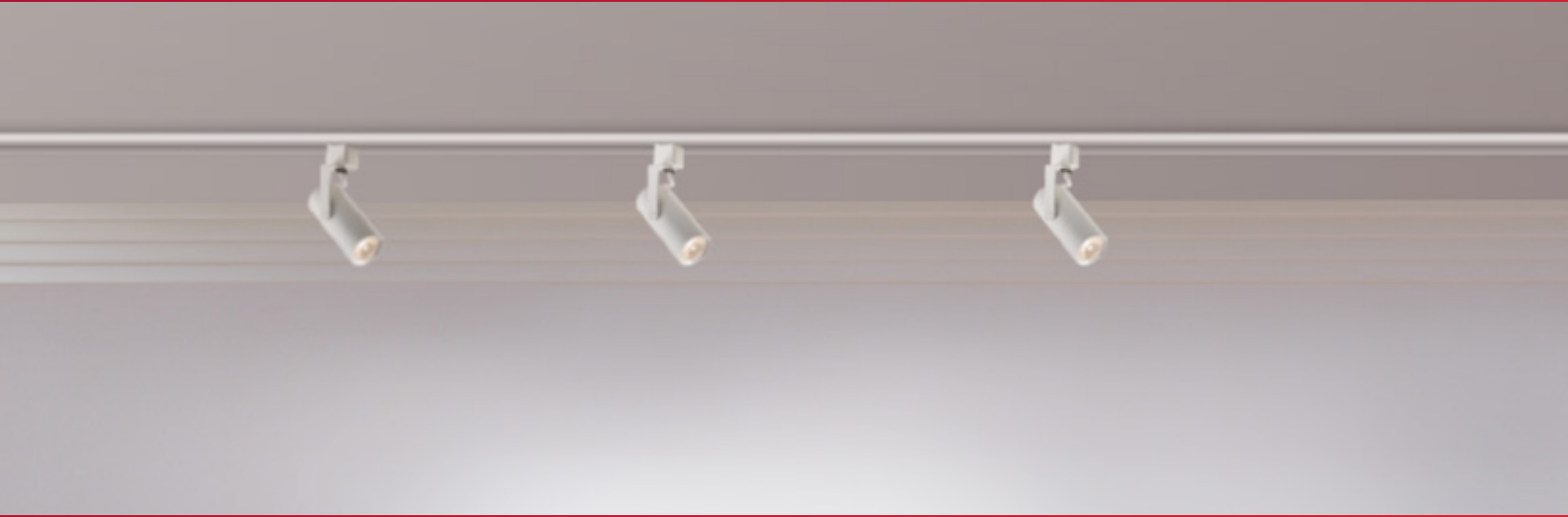
While continually improved over the years, our original track design from 1961 remains intact. Every Philips Lightolier track luminaire today will work on the very first piece of track we ever produced.

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.
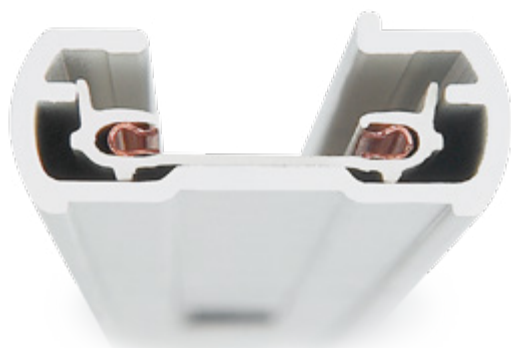
Radius

One Circuit
One Neutral
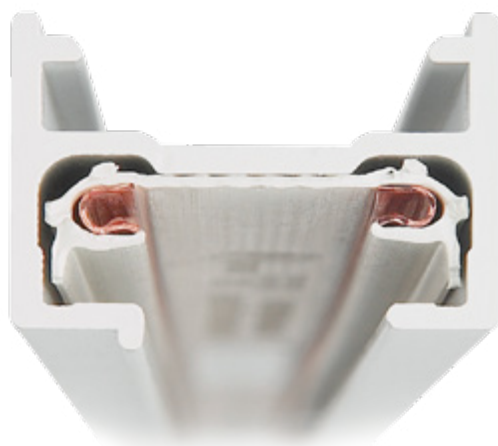
Basic

One Circuit
One Neutral
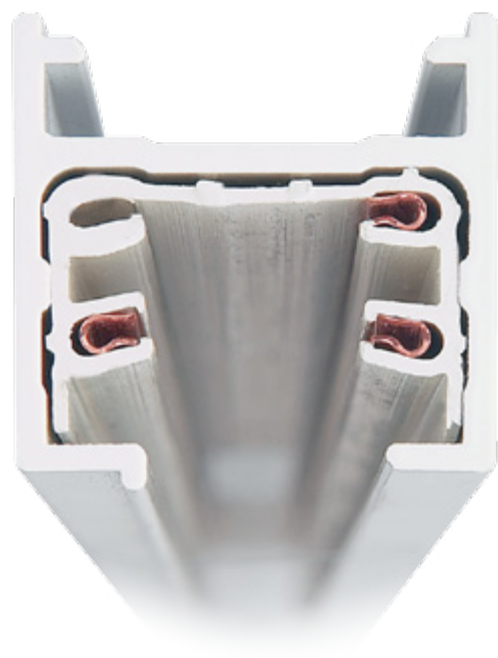
Advent

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.

■ 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
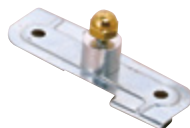
Available in zinc (standard) and WH finishes.

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

Basic

Unparalleled design integrity

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

	Aluminum
	Matte White
	Matte Black

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

Advent

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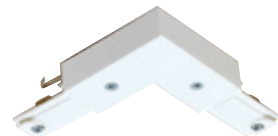
"T" Connector
6051N Basic   6151N Advent
(BK, WH & AL)   (BK, WH & AL)

"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)

□ Aluminum
□ Matte White
■ Matte Black

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.

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"
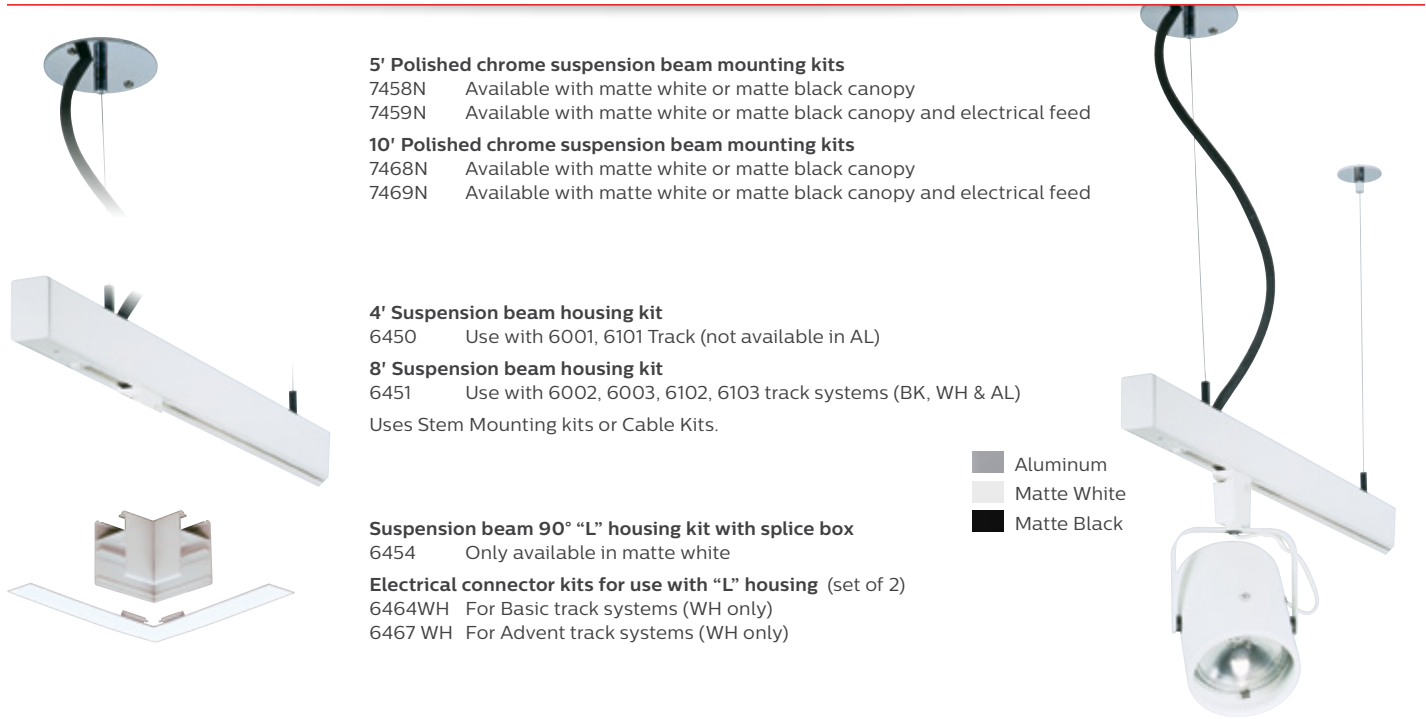
Extends track luminaire below track system.
Can be connected together with an 8' max.
Compatible with Radius track system.
May not be field cut.

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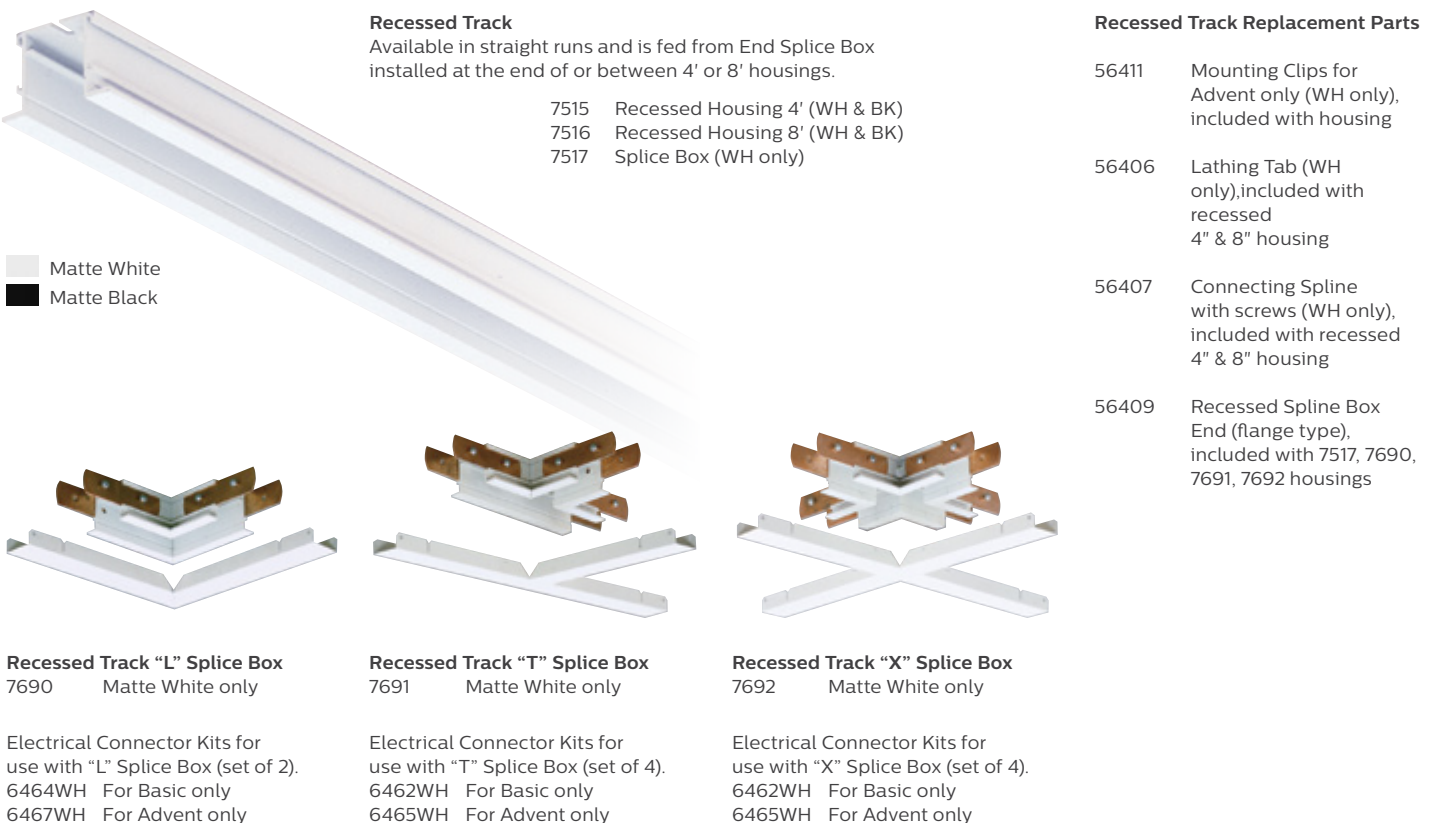
8' Suspension beam housing kit
6451   Use with 6002, 6003, 6102, 6103 track systems (BK, WH & AL)

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

Current limiting device

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

Height: $1\,^3/_{16}''$

Philips 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.
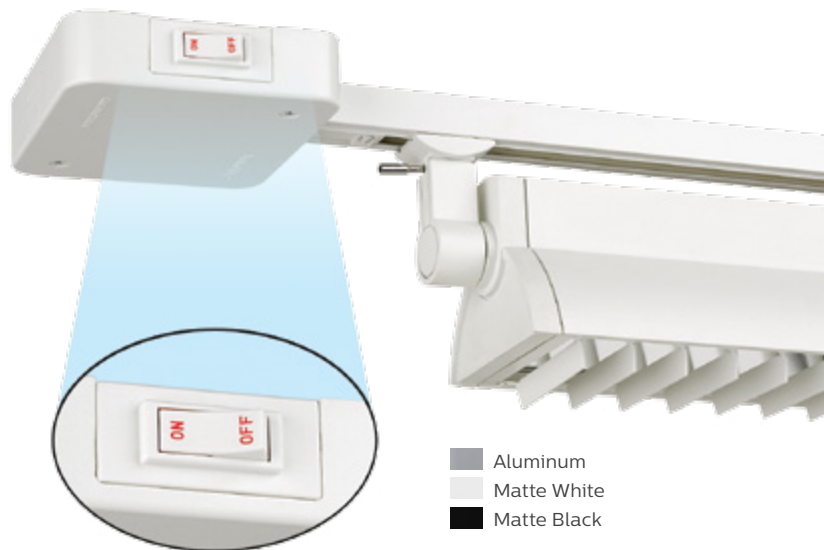
Aluminum
Matte White
Matte Black

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
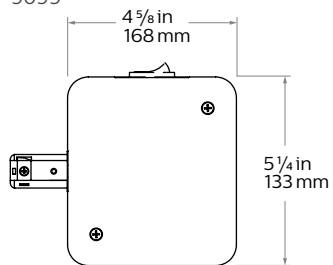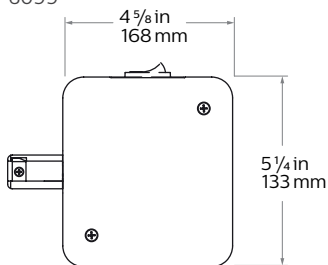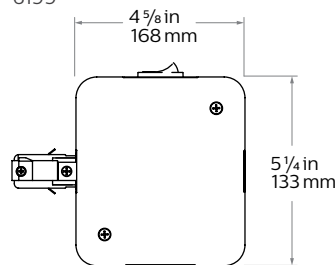
Breaker modules

Short circuit rating (AIC): 1kA

2 in
51 mm

$1\,^1/_2$ in
38 mm
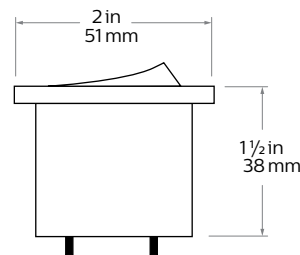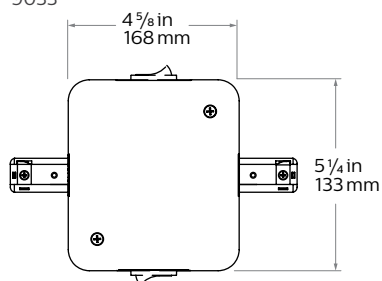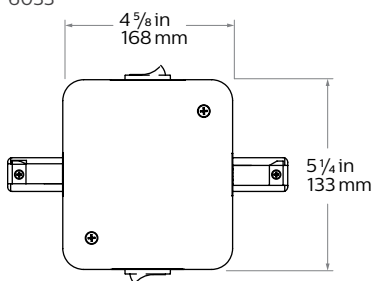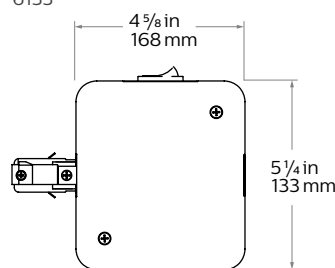
PowerTrip for Advent & Basic are available in AL (aluminum), WH (matte white), or BK (matte black). PowerTrip for Radius and Breaker modules are available in WH (matte white), or BK (matte black) only.

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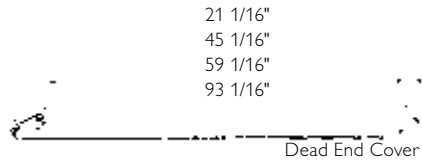
Radius Track is available in 2', 4', 6' and 8' lengths. It may be cut in the field. Toggle bolts and nylon insulators, supplied, mount the track to a ceiling or wall through existing holes in the track. Do not exceed 4' spacing of track supports.

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

Power feeds

3" or 4"

Octagonal outlet box
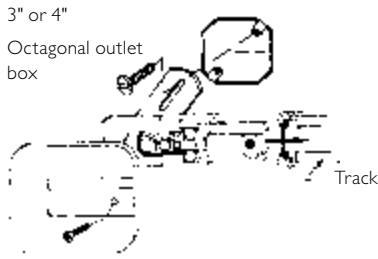
Track

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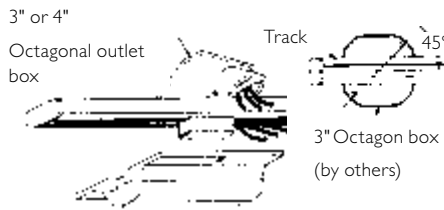
Use Saddle canopy for power feed from an outlet box mounted anywhere along the track. When mounting to a 3" octagon box the track must be oriented at 45 degrees to the mounting holes. Includes extra dead end cover.

3/8" Electrical fitting (by others)

1/2"

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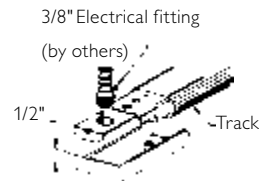
Use live end power feed for direct power feed from overhead conduit or cable terminating in a 3/8" electrical fitting.

3/8" Electrical fitting (by others)

1 1/8"
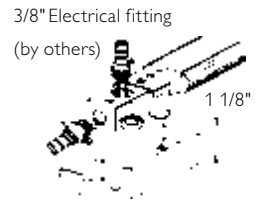
Use surface feed connector for power feed from surface conduit terminating in a 3/8" electrical fitting. It may also be used for direct power feed from overhead conduit or cable.

Mounting track to T-bar ceilings

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

9188 (9 Clips)

9189 (9 Clips)

9/16"-15/16"

9/16"
15/16"

5/16"-12/32" Ref.

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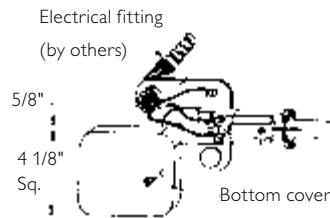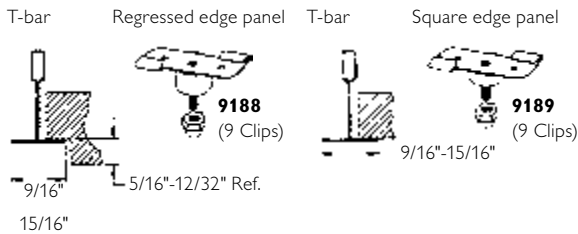
Use T-bar canopy to feed power from conduit or cable to track mounted to a "t" bar ceiling.

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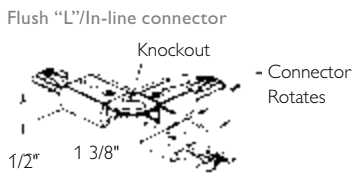
The "L"/In-line connector, both feed and non-feed, may be installed straight or may be rotated to form a right angle. They are polarized and are prewired for power continuity and will accept power feed wires from an adjoining stem. The deeper Feed "L"/In-line connector accepts a 3/8" electrical fitting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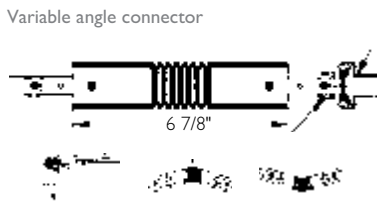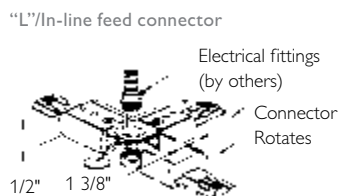
The variable angle connector is polarized and prewired for power continuity. It can flex up to 90 degrees in all directions. Power cannot be fed into this connector.
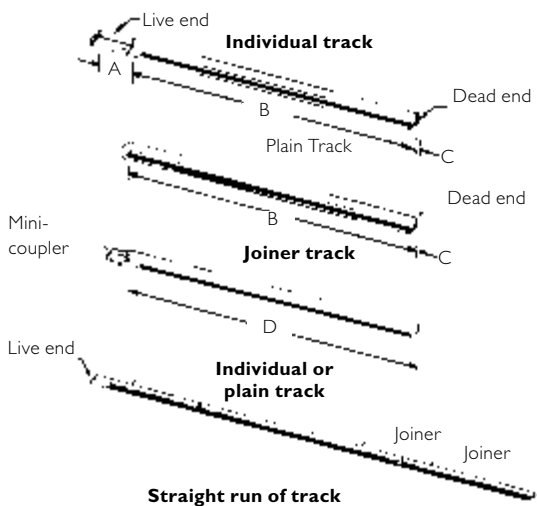
Stem mounting

3" or 4" octagonal outlet box

Threaded

Wire cover

Electrical connector   9 15/16"

Threaded
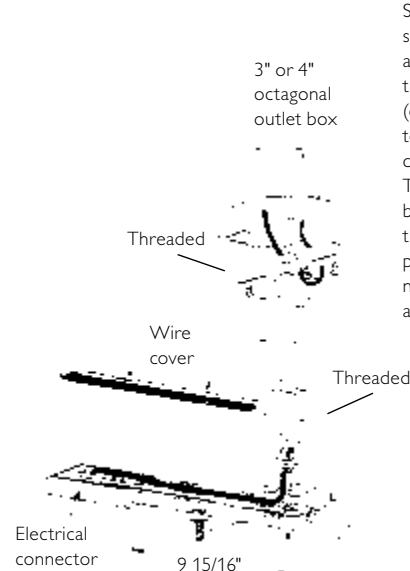
Stem kits (18" or 48") are used to suspend track from a ceiling. They attach through existing holes in the track. With the stem wire cover (order separately) they may be used to feed power to a live end, "L"/In-line connector or surface feed connector. The stem used for power feed must be located 9 5/16" 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

Live end
Individual track
A
Dead end
B
Plain Track
C
Mini-
coupler
Dead end
B
Joiner track
C
D
Live end
**Individual or
plain track**
Joiner
Joiner
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

Dead end
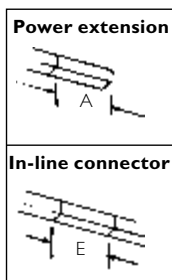
Straight run of track
Start with individual track (or plain track plus live end) of length desired and add as many 8' joiner tracks as required. May be cut in the field. Concealed mini-coupler connects track sections mechanically and electrically. Replace mini-coupler with in-line connector for power 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**
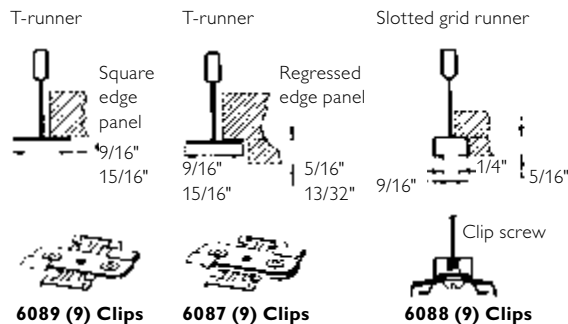
Use grid ceiling mounting clips above for ceilings shown.
Use grid ceiling canopy kit for power feed.

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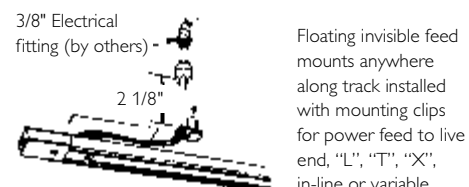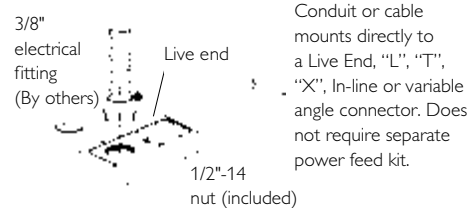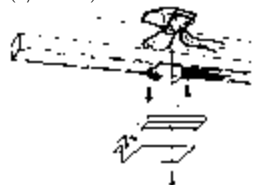
Conduit or cable mounts directly to a Live End, "L", "T", "X", In-line or variable angle connector. Does not require separate power feed kit.

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

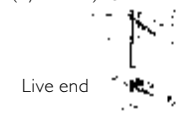3" or 4" octagon outlet box (by others)

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.
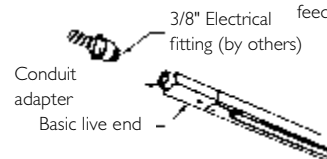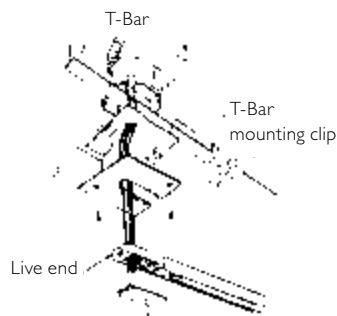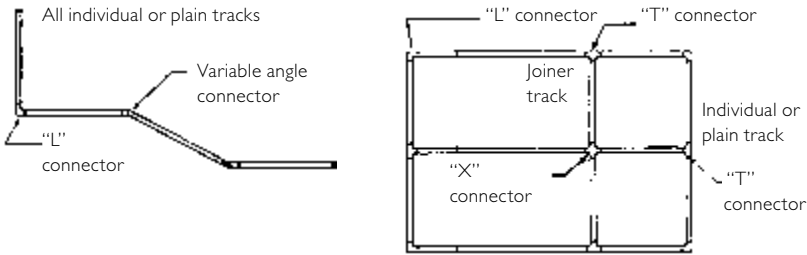
3" or 4"
Octagon outlet box (by others)
Live end

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)
Live end

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

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

"X" connector

Individual or plain track

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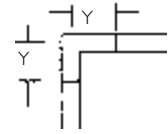
Add length (Y) to each track length to determine total length in patterns.

"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

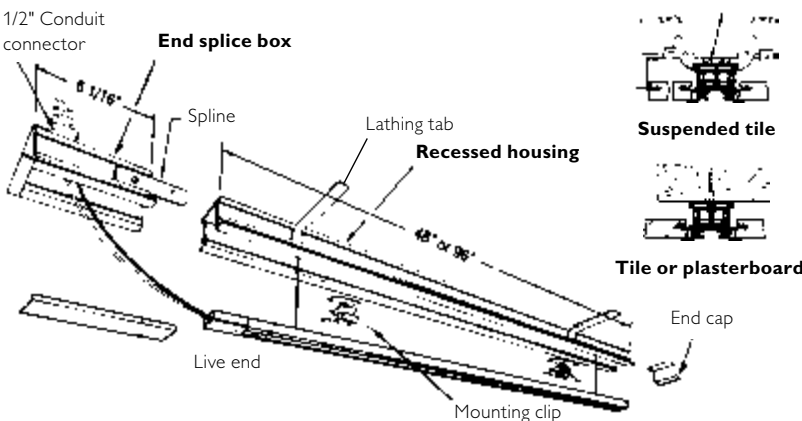**Stem**

1/4"–18 NPSM Thread
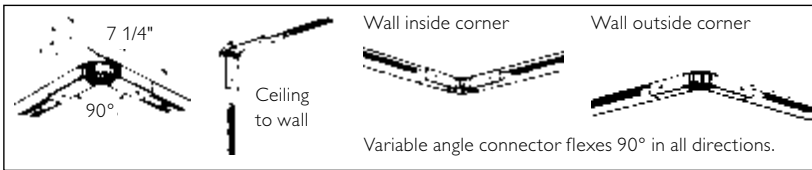
Stem extension

Stem extension
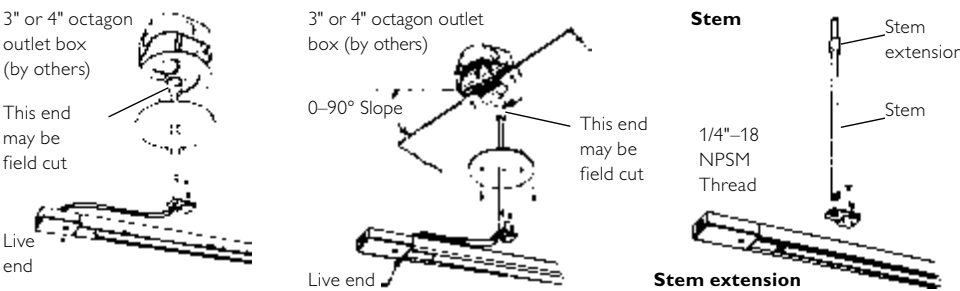
Stem

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

Spline

Lathing tab

Recessed housing

Live end

Mounting clip

Suspended tile

Tile or plasterboard

End cap

Multiple power feeds

End splice box

Live End   Track

End splice box   Housing

Live End   Track
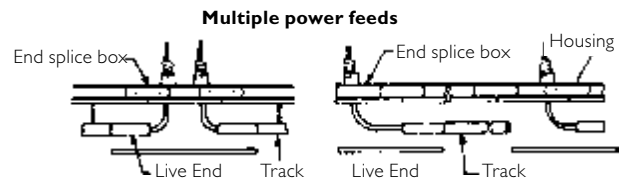
Basic and Advent track can be recessed in **4' or 8' recessed housings**. The housings may be installed individually or in straight runs and may be cut in the field. Use an individual track with a single housing. Use an individual track and as many joiner tracks as required for a run of housings. Lathing 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"
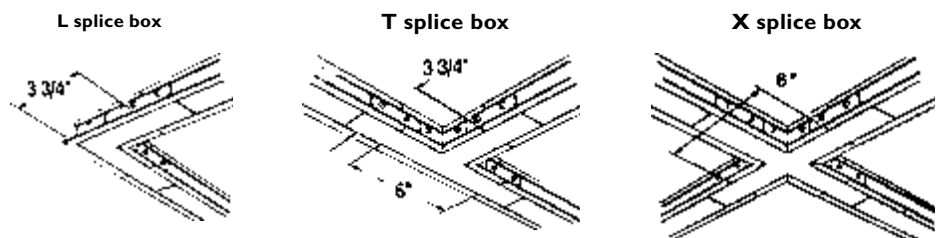
# **Suspension beam** application guide

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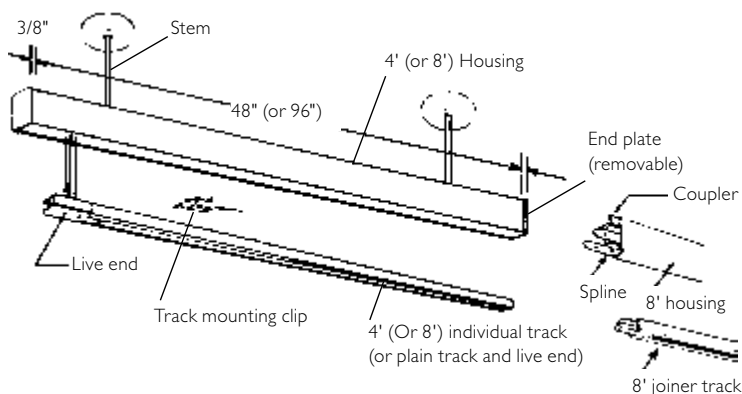
Electrical connector kit
The l housing/splice box is used to form a right angle corner with suspension beam housing. **Electrical connector kits** (order separately) are required for power feed or power continuity at corners.

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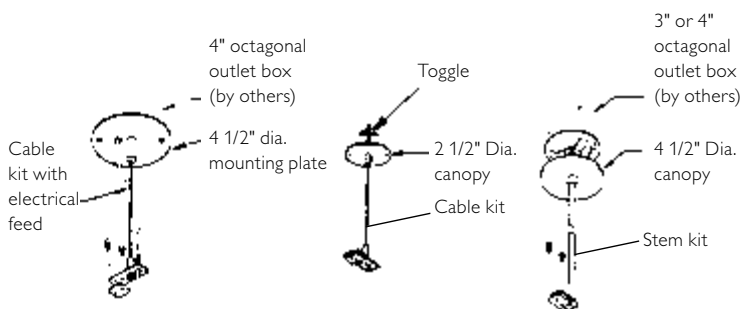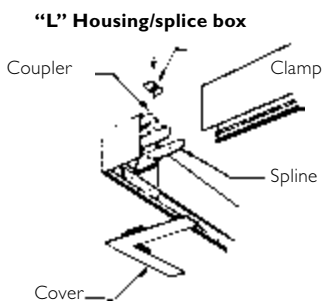
Housings are suspended by **stems** or **cables**. Both attach to the housings at any point (except at wireway cover), may be spaced up to 8' apart, and may be shortened in the field. Stems may be lengthened with a **stem extension**. Stems can be used for housings in straight runs or patterns. Cables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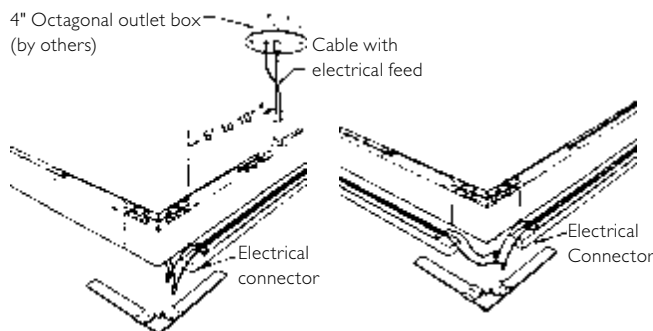
Feed-in to corner with cable   **Power continuity at corner**

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.
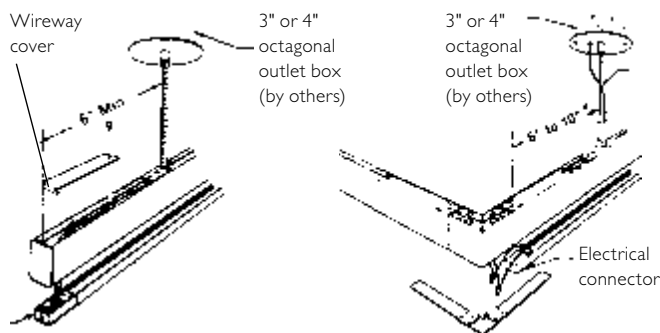
Feed-in to straight run with stem   **Feed-in to corner with stem**

PHILIPS