SPS
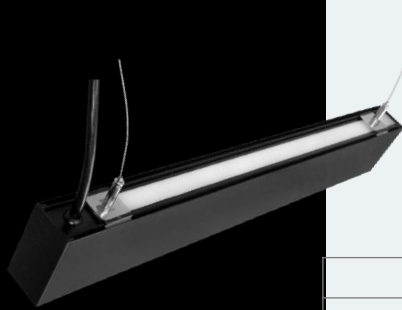
LINEAR FIXTURES

Linear Architectural Lighting

The SPS series is a revolutionary compact product with the ability to adjust lumen output and offers a variety of uplight and downlight options. It even offers the unique option of 100% uplight. Whether its pendant mount or wall mount, the installation process is simple and will result in an elegant lighting solution.

DATE	
PROJECT NAME	
TYPE	
QTY	
ORDERING CODE	AE-SF-SPS-A-CA - -B-P - -PL -

OPERATING & ELECTRICAL

INPUT VOLTAGE	120-347V
POWER FACTOR	0.9
DIMMING	0-10V
TOTAL HARMONIC DISTORTION (THD)	<20%

PERFORMANCE

LUMENS PER WATT	88 LPW at 90CRI white 75 LPW at 90CRI black
POWER	20W to 100W
DISTRIBUTION	Lambertian: STANDARD (30% up, 70% down), 100U (100% up), 60U40D (60% up, 40% down) 50U50D (50% up, 50% down)

MECHANICAL & HOUSING

HOUSING	Extruded aluminum
LENS	Highly durable polycarbonate and high transmittance lens
FINISH	Nebula White Atomic Black Silver RAL7044 Gun Powder RAL7011
POWER SUPPLY	Factory wired electronic LED driver
LED BOARD	Discrete LED

APPLICATION CONDITION

AMBIENT TEMPERATURE RANGE	-10˚C to 40˚C

COMPATIBLE MOUNTING

MOUNTING	Suspended (2x 6FT suspension cables standard with fixture purchase) Wall mount

WARRANTY

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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LINEAR FIXTURES
Linear Architectural Lighting

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ORDERING CODE	AE-SF-SPS-A-CA	- | | -B-P | - -PL- | |

ORDERING GUIDE

EXAMPLE: AE-SF-SPS-A-CA-450-B-P30-35-40-010-PL-WH

FIXTURE FAMILY	GEN	VOLTAGE	SIZE	POWER	ACCENT	CRI	CCT	DIMMING	LENS	FINISH	BEAM	ACCESSOR
AE-SF-SPS	**-A**	**-CA**	**-**		**-B**	**-P**		**-010**	**-PL**	**-**	**-**	
AE-SF-SPS ERALUX SPS linear architectural fixture	**-A** First GEN	**-CA** 120-347Vac input voltage range	**-2** 2 feet length	30 20/30W*	**-B** No Accent	**-P** 90 CRI	**30-35-40** 3000K-3500K-4000K CCT	**-010** 0-10V external dimming down to 10%	**-PL** Full length polycarbonate lens	**-WH** ERALUX Nebula White	**[LEAVE BLANK]** 30% up light, 70% downlight	**LEAVE BLANK]** 0-10V Standard
			-3 3 feet length								**-50U50D** 50% up light, 50% downlight*	**-PU** Power cord – 120-277V
			-4 4 feet length	**50** 30/40/50W**						**-BK** ERALUX Atomic Black	**-100U** 100% up light, 0% downlight*	**-PU-C** Power cord – 120-277V with 5-inch Canopy
			-6 6 feet length	**80** 50/60/80W***			**30-40-50** 3000K-4000K-5000K CCT					**-PH** Power cord – 120-347V
			-8 8 feet length	**100** 60/80/100W****						**-SV** Silver – RAL7044	**-60U40D** 60% up light, 40% downlight*	**-PH-C** Power cord – 120-347V with 5-inch Canopy
										-GN Gun Powder – RAL7011		**-1DIM**

CAUTION: If there are multiple fixtures connected to the same 0-10V dimming line, a 0-10V controller must be considered to enable consistent dimming across the fixtures. Failure to do so will lead to inconsistent dimming and behaviors in the fixtures. Single switch is not recommended for controlling multiple fixtures simultaneously.

1DIM **available only in 120-277V, it works for 3,4,5,6,8 FT**

Each fixture comes standard with 2x <u>8FT</u> suspension cables

Maximum of 300 Wattages powered by 1 electrical drop

50, 60 or 100% up light is not CCT Switchable

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LINEAR FIXTURES
Linear Architectural Lighting

ORDERING GUIDE FOR TRIAC DIMMING

EXAMPLE: AE-SF-SPS-A-CA-440-B-P30-TRI-PL-WH

FIXTURE FAMILY	GEN	VOLTAGE	SIZE	POWER	ACCENT	CRI	CCT	DIMMING	LENS	FINISH	BEAM
AE-SF-SPS	**-A**	**-CA**	**-**		**-B**	**-P**		**-TRI**	**-PL**	**-**	**-**
AE-SF-SPS ERALUX SPS linear architectural fixture	**-A** First GEN	**-CA** 120-347Vac input voltage range	**-2** 2 feet length	**15** 15 Watts power	**-B** No Accent	**-P** 90 CRI	**30** 3000 K CCT	**-TRI** TRIAC dimming	**-PL** Full length polycarbonate lens	**-WH** ERALUX Nebula White	**[LEAVE BLANK]** 30% up light, 70% downlight
			-4 4 feet length	**40** 40 Watts power			**35** 3500 K CCT				
										-BK ERALUX Atomic Black	
			-8 8 feet length	**80** 80 Watts power			**40** 4000 K CCT				

Each fixture comes standard with 2x 6FT suspension cables
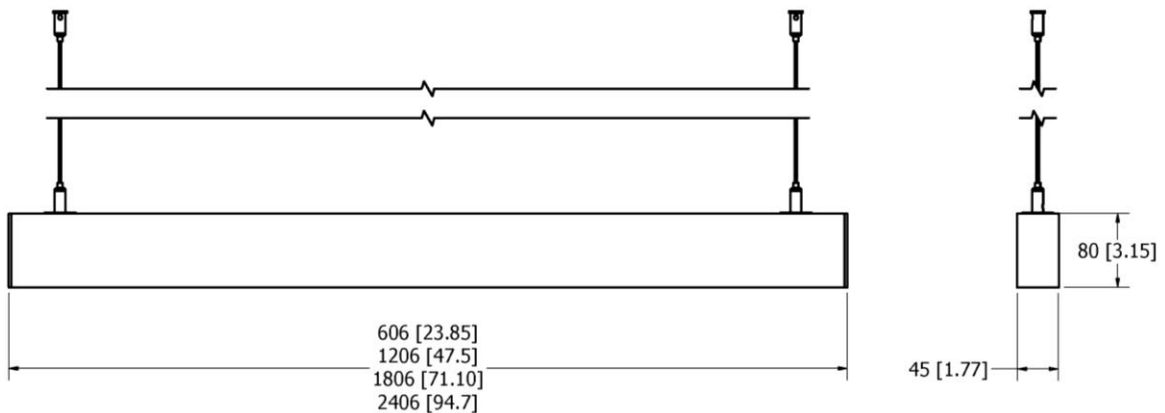
Next page for power switchable options

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Linear Architectural Lighting

POWER SWITCHABLE OPTIONS

		Lumens	Uplight 100%	70 % down, 30% up	40% down, 60% up
2FT		20W – 1640 lms	20/30 watts switchable* Uplight 100% - 20W Only	14W downlight, 6W up-light	8W downlight, 12W up-light
		30W - 2460 lms		21W downlight, 9W up-light	12W downlight, 18W up-light
4FT	Avg 82 LPW	30W – 2460 lms	30/40/50 watts switchable** Uplight 100% - 40W Only	21W downlight, 9W up-light	12W downlight,18W up-light
		40W - 3280 lms		28W downlight, 12W up-light	16W down-light, 24W up-light
		50W - 4100 lms		35W downlight, 15W up-light	20W downlight, 30W up-light
6FT		50W - 4100 lms	50/60/80 watts switchable*** Uplight 100% - 50/60W Only	35W downlight, 15W up-light	20W downlight, 30W up-light
		60W - 4920 lms		42W downlight, 18W up-light	24W downlight, 36W up-light
		80W - 6560 lms		56W downlight, 24W up-light	32W downlight, 48W up-light
8FT		60W - 4920 lms	60/80/100 watts switchable**** Uplight 100% - 60/80W Only	42W downlight, 18W up-light	24W downlight, 36W up-light
		80W - 6560 lms		56W downlight, 24W up-light	32W downlight, 48W up-light
		100W - 8200 lms		70W downlight, 30W up-light	40W downlight, 60W up-light

PRODUCT DIMENSIONS
AE-SF-SPS-A-CA

606 [23.85]
1206 [47.5]
1806 [71.10]
2406 [94.7]

80 [3.15]

45 [1.77]

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DATE	
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ORDERING CODE	AE-SF-SPS-A-CA	-		-B-P		-	-PL -		

ACCESSORIES
Ordered separately, field installed

PART NUMBER	DESCRIPTION	PICTURE
AE-SF-CANOPY-WH-5IN AE-SF-CANOPY-BK-5IN	Canopy Cover kit: 5" diameter - 2 pieces White or Black	
AE-SF-CANOPY-WH-5IN-SUSP AE-SF-CANOPY-BK-5IN-SUSP	Canopy Cover kit: 5" diameter - 1 piece suspension side only White or Black	
AE-SF-CANOPY-WH-ELITE AE-SF-CANOPY-BK-ELITE	Canopy Cover kit: 5" diameter – 0.3'' thickness- 2 pieces White or Black	
AE-SF-LINK-NR	Linkable Metal Accessory – 1 piece Fixture wired for continuous mounting	
AE-SF-PWRCORD-WH-B AE-SF-PWRCORD-BK-B	8FT power cord – 120-277V - White 8FT power cord – 120-277V - Black	
AE-SF-PWRCORD-HV-WH-B AE-SF-PWRCORD-HV-BK-B	8FT power cord – 120-347V - White 8FT power cord – 120-347V - Black	
AE-SF-PWRCORD-WH-18FT-B AE-SF-PWRCORD-BK-18FT-B	18FT power cord – 120-277V - White 18FT power cord – 120-277V – Black	
AE-SF-PWRCORD-HV-WH-18FT-B AE-SF-PWRCORD-HV-BK-18FT-B	18FT power cord – 120-347V - White 18FT power cord – 120-347V - Black	
AE-SF-WIRE-12FT	2 x 12FT suspension cables	
AE-SF-WIRE-18FT	2 x 18FT suspension cables	
AE-SF-WMB-WH AE-SF-WMB-BK	Wall mount kit – 2 pieces	

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LINEAR FIXTURES

Linear Architectural Lighting

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ORDERING CODE	AE-SF-SPS-A-CA - -B-P - -PL -

ACCESSORIES (Continued)

Ordered separately, field installed

EMERGENCY LED DRIVER (BLD-YTXXD-XXX)

BLD-YT08D-XXX   OUTPUT POWER : 8 WATTS

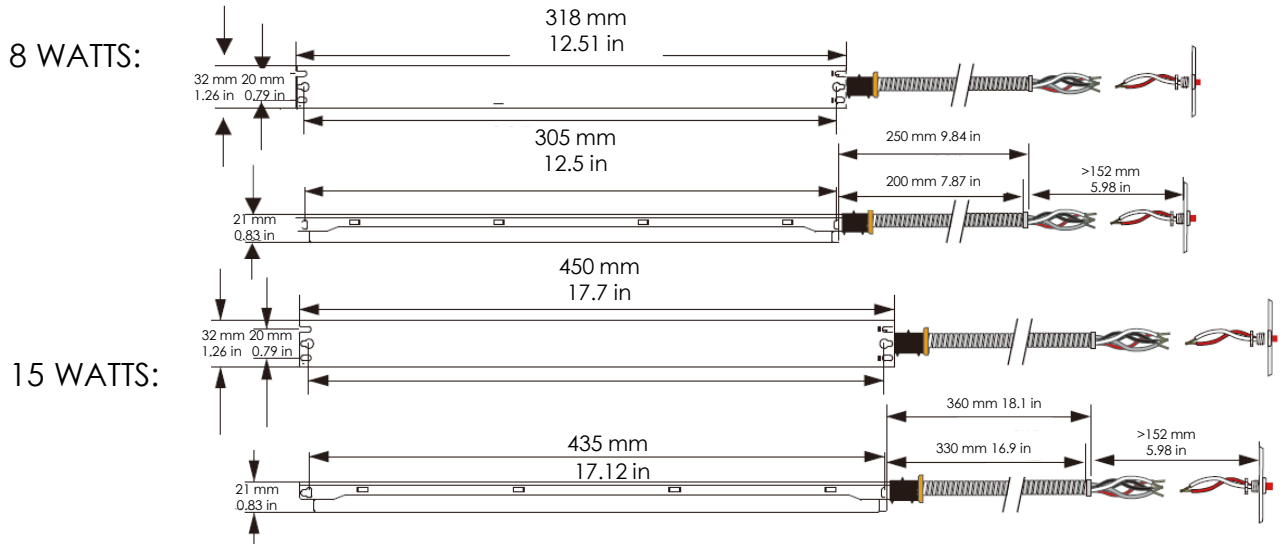BLD-YT15D-XXX   OUTPUT POWER : 15 WATTS

Easy Wiring

Certified For CA Title 20

Constant Power Performance

BLD-YTXXD-XXX LED Emergency Driver is UL listed for field and factory installation that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the emergency driver switches to emergency mode and operates the fixture for 90 minutes. This module will operate a LED array load at 8W or 15W with constant power at a rated output voltage of 30-60 VDC. The constant power design of BLD-YTXXD-XXX maintains the output wattage to the LED array, providing consistent illumination for the entire emergency runtime. Its slim shape is ideal for use in linear LED lighting fixtures.

DIMENSIONS (inches and mm)

8 WATTS:

318 mm
12.51 in

32 mm 20 mm
1.26 in 0.79 in

305 mm
12.5 in

250 mm 9.84 in

200 mm 7.87 in

>152 mm
5.98 in

21 mm
0.83 in

15 WATTS:

450 mm
17.7 in

32 mm 20 mm
1.26 in 0.79 in

435 mm
17.12 in

360 mm 18.1 in

330 mm 16.9 in

>152 mm
5.98 in

21 mm
0.83 in

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CANOPY ELITE MOUNTING STEPS
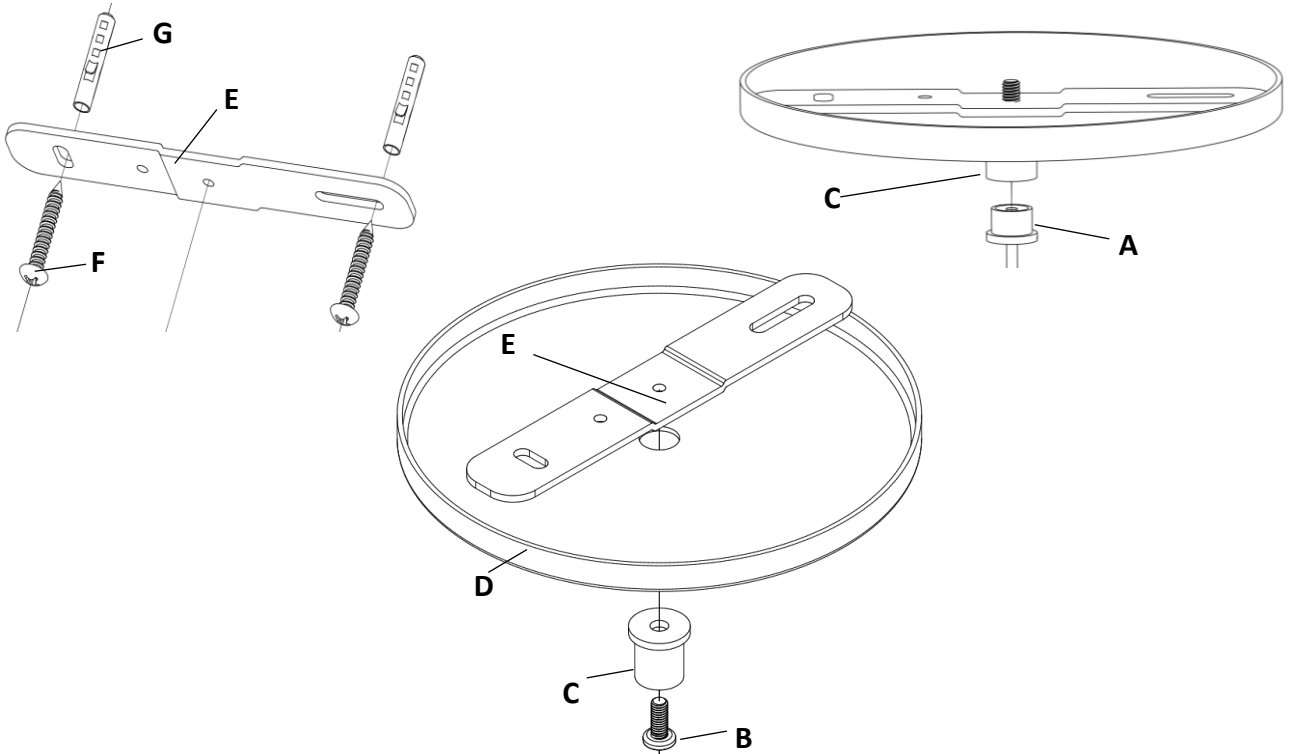
1. Screw the bracket (E) to the junction box using (F) & (G)
2. Connect the canopy to the bracket by screwing (C) & (D) to (E) using (B)
3. Connect the suspension cable to the canopy via screwing (A) to (C).
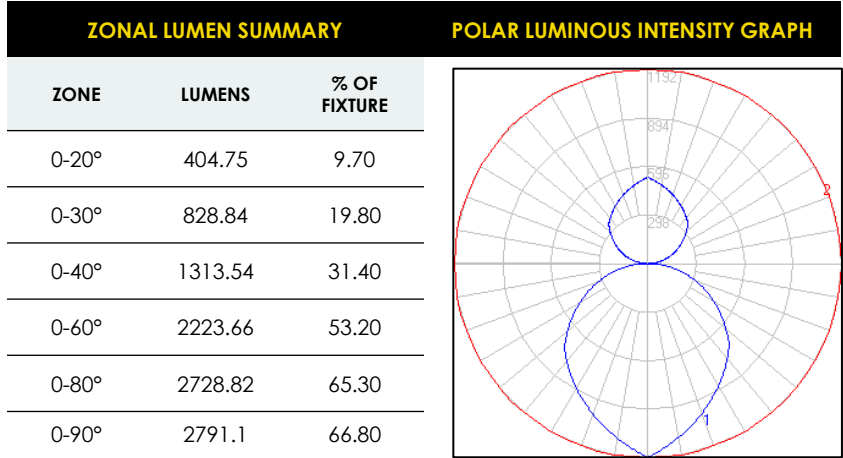
LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS				
CCT	3000K	3500K	4000K	5000K
PREMIUM (90CRI)	0.94	0.97	1	1.03

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LINEAR FIXTURES

Linear Architectural Lighting

PHOTOMETRIC DATA

AE-SF-SPS-A-CA-450-B-P35-010-PL-WH

4 FT

50 WATTS

4500K CCT

30% UP LIGHT , 70% DOWNLIGHT

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF FIXTURE
0-20°	404.75	9.70
0-30°	828.84	19.80
0-40°	1313.54	31.40
0-60°	2223.66	53.20
0-80°	2728.82	65.30
0-90°	2791.1	66.80

POLAR LUMINOUS INTENSITY GRAPH

AE-SF-SPS-A-CA-450-B-P35-010-PL-WH-60U40D

4 FT

50 WATTS

4500K CCT

60% UP LIGHT , 40% DOWNLIGHT

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF FIXTURE
0-20°	404.75	9.70
0-30°	828.84	19.80
0-40°	1313.54	31.40
0-60°	2223.66	53.20
0-80°	2728.82	65.30
0-90°	2791.1	66.80

POLAR LUMINOUS INTENSITY GRAPH
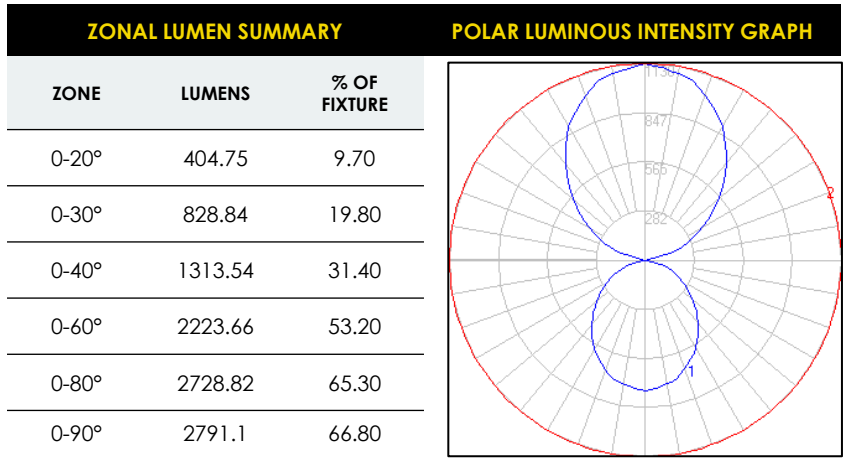
DIMMER COMPATIBILITY LIST

0-10V Dimmer
LEGRAND RH4FBL3PTC
LUTRON DVS7V-WH
LEVITON IP710-LFZ

0-10V Dimmer
EATON WBSD-010SLD
LEVITON DS710
LUTRON MS-Z101
HUBBEL LHDIRS3N

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LINEAR FIXTURES

Linear Architectural Lighting

OVERVIEW
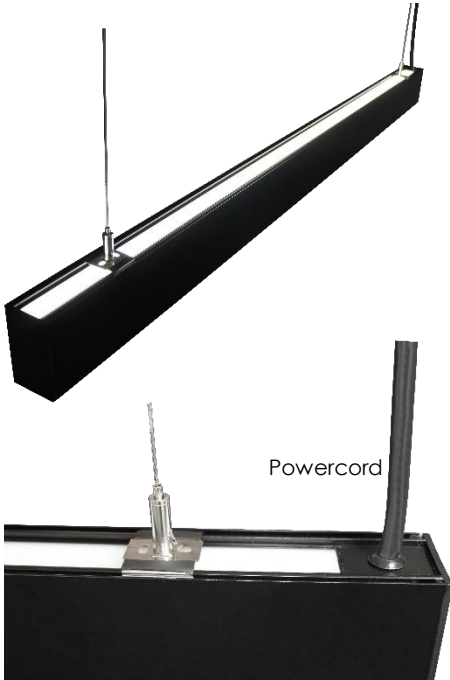
Powercord

DIRECT AND INDIRECT LIGHT
The Spinel Series provides both uplight and downlight enhancing your project space.

COLOR SELECTABLE
Easily removable fixture top exposes the DIP switch to change between 3 CCT variations from warm to cool light.

CONTINUOUS MOUNTING
Seamless in both appearance and light when joined for continuous runs.

FINISH
ERALUX anti-glare white and black colorways reduce object glare and provide an elegant finish. Both are standard finishes.

ACCESSORIES
6FT suspension cables come standard with fixture purchase. Multiple accessories available such as canopy cover kits and mounting bracket kits.

Canopy: 2/kit

Slim look