

MARK ARCHITECTURAL LIGHTING™



Slot 4 LED Direct/Indirect Pendant

The Slot LED family of luminaires offers an unparalleled package of performance and features for your next lighting project. Our complete set includes two aperture sizes, three mounting types, three lighting distributions and six fixture lengths. Precision lumen DIRECTIR optics deliver optimized light where needed and are available in standard and high lumen outputs. With other key features such as simplified installation, seamless controls integration and superior color and quality, the Slot LED family from Mark Lighting offers exceptional quality and design flexibility.

Type:

Project:

Catalog Number:

DO NOT TYPE HERE. Autopopulated field.

Specification Features (continued on page 2)

Housing

Nominal 3.5" x 5.25" extruded aluminum housing

Finish

White, Black or Silver powdercoat

Reflector

Extruded aluminum with high reflectance white powdercoat

Fixture Performance

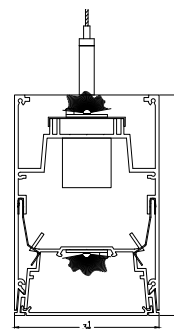
4FT INDIVIDUAL (35K)	DIRECT		INDIRECT	
Lumens Output	Normal	High	Normal	High
Delivered Lumens	2,258	4,723	2,615	5,302
Input Watts	26	52	24	48
Lumen/Watt	89	91	109	110

* Consult factory for customized lumen output and wattage

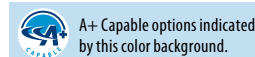
Shielding

Extruded 90% transmissive acrylic lens with a textured surface providing diffuse illumination and a uniform appearance for direct lambertian distribution (No Optics). Straight blade louver shield supplied for Wall Wash (WW) and Wall Graze (WG) distributions. Louver will be painted to match housing. Clear Acrylic dustcover (DC) is available for the indirect distribution only.

Technical Drawing



Direct/Indirect Pendant



Ordering

Example: S4LID 4FT CRD 1N35WW 2H35BW L735SQ EZB DCT 120 WHT EMPK

Series	Length	Mounting ²	Downlights ^{1,5,6}	Downlight Color Temp	Downlight Aperture	Driver	Switching	Voltage	Finish	Controls
S4LID Direct/Indirect	2FT ¹ 2'	CRD	Round Canopy, Aircraft Cable Suspension and Clear Power Cord	(Blank) Linear LED only	RD Round	EOHN Non-dimming	SCT Single Circuit	120	WHT White	PIR & Microphonics
	3FT 3'			(Blank) Linear LED only	SQ Square					Occupancy Sensor
	4FT 4'	CSQ	Square Canopy, Aircraft Cable Suspension and Clear Power Cord	L7 10W LED MR16 (700lm)		EZB Constant current, 0-10V, 0.1% dimming to off	DCT Dual Circuit	277	BLK Black	Sensor with 360° Coverage - ON/OFF Control
	5FT 5'			27 2700K ≥80 CRI				347 ⁷	SLV Silver	
	6FT 6'	CTD	Ceiling T mounted, Round Canopy, Aircraft Cable Suspension and Clear Power Cord	30 3000K ≥80 CRI						
	7FT 7'			35 3500K ≥80 CRI+						
	8FT 8'	CTQ	Ceiling T mounted, Square Canopy, Aircraft Cable Suspension and Clear Power Cord	41 4100K ≥80 CRI+						DSCC ⁹ Closed loop photocell with continuous dimming
	...FT Specify continuous run length (in whole feet)	WRD	Round Canopy, Aircraft Cable Suspension and White Power Cord							EMPK ¹⁰ Emergency Battery Pack
		WSQ	Square Canopy, Aircraft Cable Suspension and White Power Cord							
		WTD	Ceiling T mounted, Round Canopy, Aircraft Cable Suspension and White Power Cord							
		WTQ	Ceiling T mounted, Square Canopy, Aircraft Cable Suspension and White Power Cord							
			Direct Distribution	Lumens	Color Temp	Optics	Indirect Distribution	Lumens	Color Temp	Optics
			1 Direct Distribution	N Normal Output	30 3000K ≥80 CRI	(Blank) No Optics	2 Indirect Distribution	N Normal Output	30 3000K ≥80 CRI	(Blank) No Optics
				H High Output	35 3500K ≥80 CRI+	WW ³ Wall Washer		H High Output	35 3500K ≥80 CRI+	BW ⁴ Batwing Distribution
					40 4000K ≥80 CRI+	WG ³ Wall Graze Distribution			40 4000K ≥80 CRI+	AS ⁴ Asymmetric Distribution
										DC ⁴ Dust Cover (Clear)

Notes:

- Downlights options not available for 2FT fixtures.
- Canopy's will have white finish, consult factory for other options.
- WW and WG optics available with Type 1 direct distribution ONLY, straight blade louver shielding.
- BW, AS optics and DC dustcover options are available with Type 2 indirect distribution ONLY.
- Downlights are not adjustable and are provided with a solite lens.
- Downlight modules are supplied at each end of an individual unit. For other configurations, consult factory.
- Consult factory for 347V.
- Occupancy and Photocells are supplied at one end of an individual unit. Fixtures with downlighting require a remote sensor location; sensor and location by others. Requires external power pack or connection to nLight network.
- For a single dual control occupancy/photocell sensor, specify both options (MSD9N and DSCC).
- Remote mounted; consult factory for remote mounting options. Battery Pack will only light 12" section.



Specification Features (continued)

LED Components

Linear: Nichia®- 757 series LED chips (>80 CRI)

LED Life

Rated 55,000 hours (L80) at 25° C ambient temperature.

Color Consistency

The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.5SDCM) along the black body locus from board to board.

Driver

eldoLED constant current driver options deliver choice of dimming range for ultra-smooth dimming resolution from 100% to less than 1%, and choices for control, while assuring flicker free, low current inrush, 89% efficiency and low EMI.

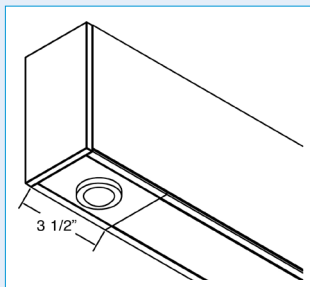
Slot LED Drivers

Driver Options	Dimming Protocol	Dimming Range	Integrated Controls
EOHN	Non-dimming	----	----
EZB	0-10v	100 to 0.1%	----
EDAB	Dali	100 to 0.1%	----
ENCB*	0-10v	100 to 0.1%	nLight
ENNB*	0-10v	100 to 0.1%	nLight with generator supplied EM power
EESB*	0-10v	100 to 0.1%	Lutron EcoSystem interface

*Integral driver with remote mounted nLight or EcoSystem interface, consult factory for mounting options.

Integrated Controls

Optional nLight® integrated controls make Slot LED luminaires addressable—allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling.



Occupancy Sensor (MSD9N) and/or Photocell (DSCC)

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

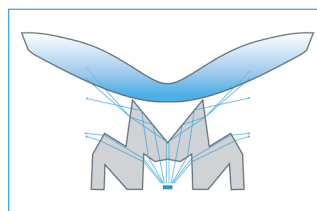
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

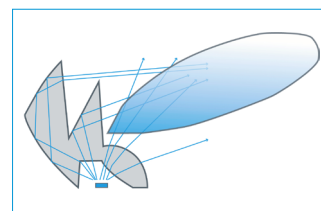
*See ordering tree for details

Optics

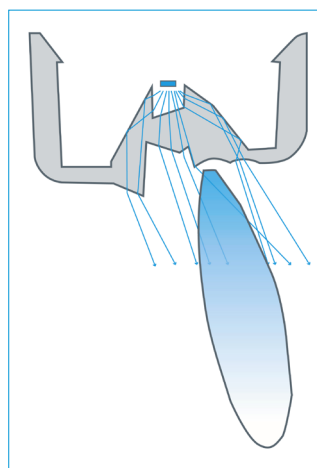
Slot LED's patent-pending, precision lumen DIRECTIR optics condition and refract light to deliver accurately controlled, striation-free, and uniform white light. All lumen DIRECTIR optics are injection-molded, optical grade, UV-resistant acrylic with selective finishing/polishing treatment.



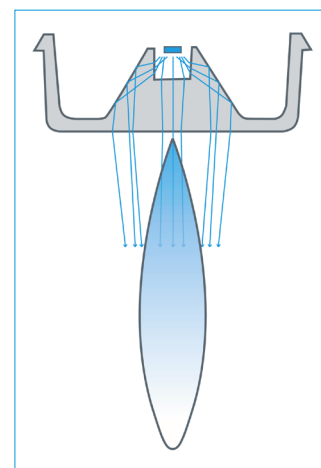
Batwing (BW)



Asymmetric (half batwing) (AS)



Wall Wash (WW)



Wall Graze (WG)

Certification

CSA Certified to meet U.S. and Canadian standards, assembled in the USA.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

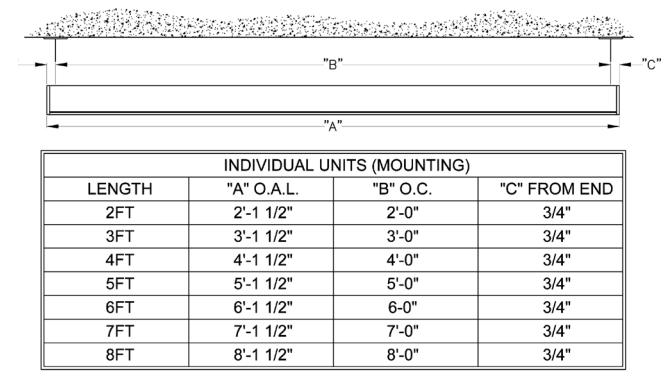
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

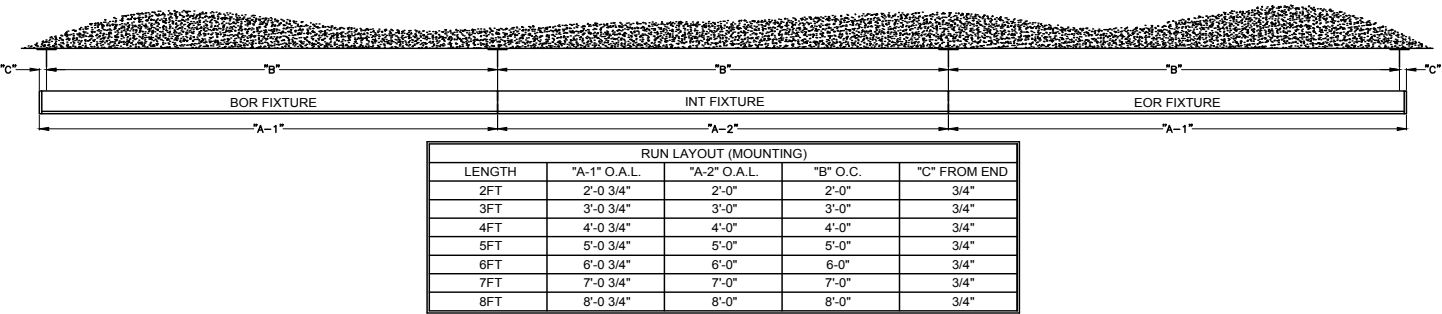
Photometry

For photometric information refer to www.marklighting.com.

Individual Fixture Configurations



Run Configurations

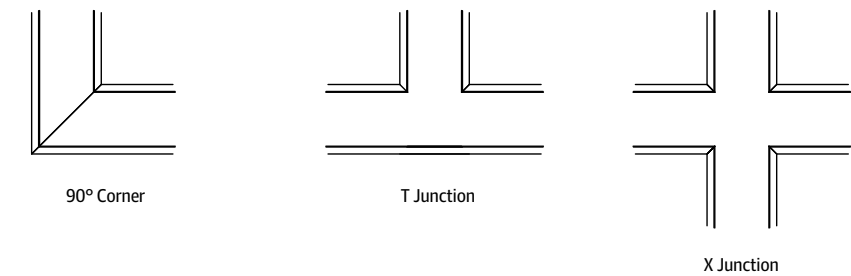


Continuous Runs

Slot 4 LED continuous rows can be configured in 1' increments and featuring the AEL precision joiner to create a hairline seam between luminaires, providing a monolithic visual aesthetic. (see AEL joiner information on page 5). For custom run lengths less than a 1' increment, consult factory.

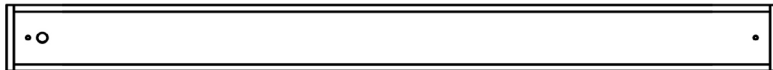
Run Patterns, Corners and Junction

Slot 4 LED patterns can be configured in 1' increments with illuminated 90° inside and outside corners, T junctions, and X junctions with standard 2' corner and junction lengths. For custom angles, corner or junction lengths, consult factory.

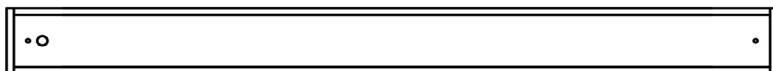


Feed Point Locations

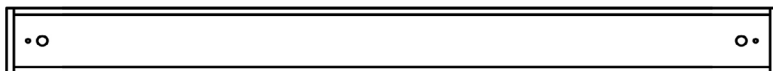
- Non- Power Feed Point/Aircraft Cable
- Power Feed



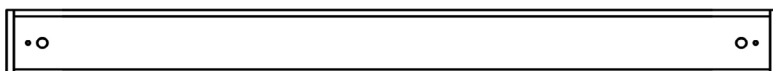
Indirect/Direct, Linear No Separate Switching, Non-Dimming, Single Circuit (SCT)



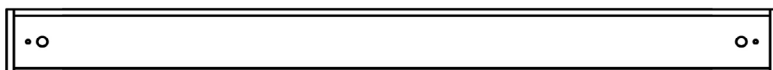
Indirect/Direct, Linear Separate Switching, Non-Dimming, Dual Circuit (DCT)



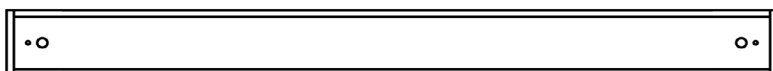
Indirect/Direct, Linear Separate Switching, Dimming, Dual Circuit (DCT)



Indirect/Direct w/Downlights, Linear No Separate Switching, Non-Dimming, Single Circuit (SCT)*



Indirect/Direct w/Downlights, Linear Separate Switching, Non-Dimming, Dual Circuit (DCT)*

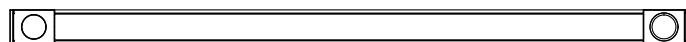


Indirect/Direct w/Downlights, Linear Separate Switching, Dimming, Dual Circuit (DCT)*

*Downlights are supplied with a dedicated feed-point and will be controlled separately.

Downlights

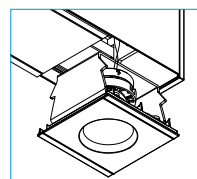
Optional downlights powered by Xicato Spot Modules are available with 4', 5', 6', and 8' length luminaires, maximum (2) Xicato downlights per length. Each downlight module is 10W with 700 lumens delivered. Downlights are supplied with a dedicated feed-point and will be controlled separately.



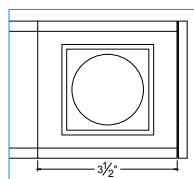
Standard Downlight Location



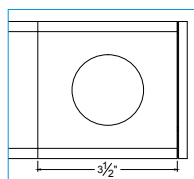
Other Downlight Configuration (consult factory)



Downlight Module

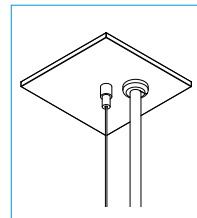


Square Downlight Plate (SQ)

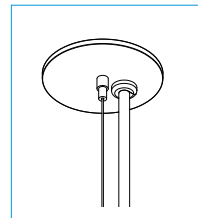


Round Downlight Plate (RD)

Single Feed Points

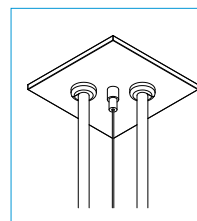


5" Square

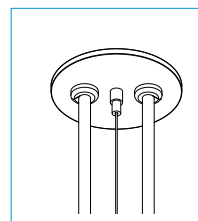


5" Round

Double Feed Points

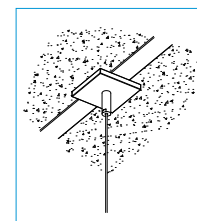


5" Square

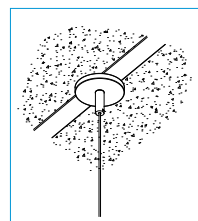


5" Round

Non-Feed Points for T-Bar Mounting



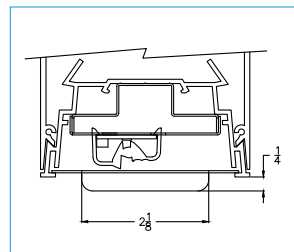
2" Square



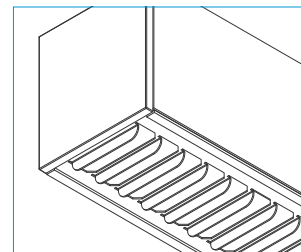
2" Round

Refer to page 5 for mounting details.

Wall Wash and Wall Graze Shielding



Cross Section

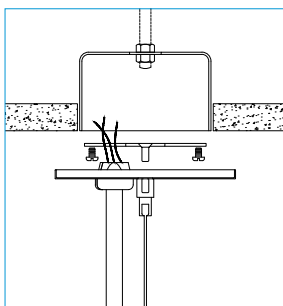


Louver - Painted to Match Housing

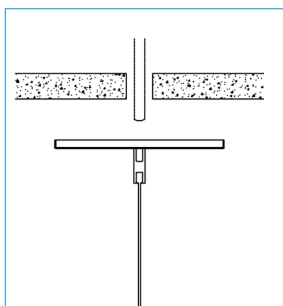
Mounting

Recessed in sheetrock ceiling; rod mounted to structure. Consult factory for other ceiling types or canopy options. Aircraft Cables are standard 6ft lengths, canopy's are standard white.

Drywall Ceiling (CRD, CSQ, WRD, WSQ)

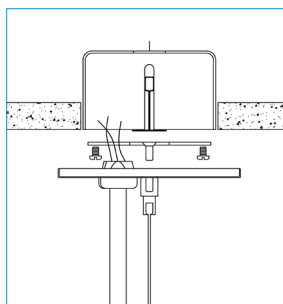


Power Feed 5" Canopy

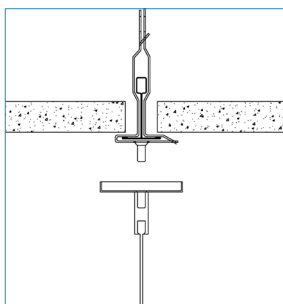


Non Power Feed 5" Canopy

Ceiling T Mount (CTD, CTQ, WTD, WTQ)



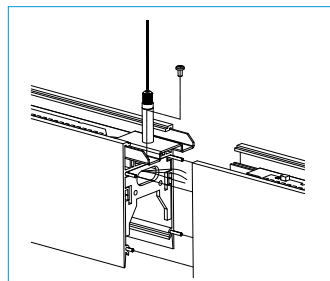
Power Feed 5" Canopy



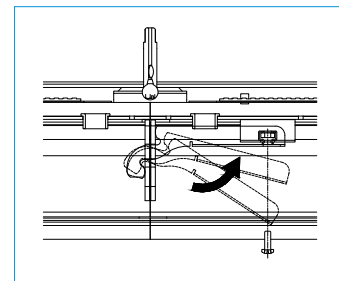
Non Power Feed 2" Canopy

Joiners

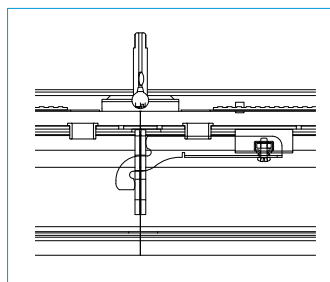
AEL Precision Row-Mount 3-step fixture-to-fixture connection method



Step 1: Align



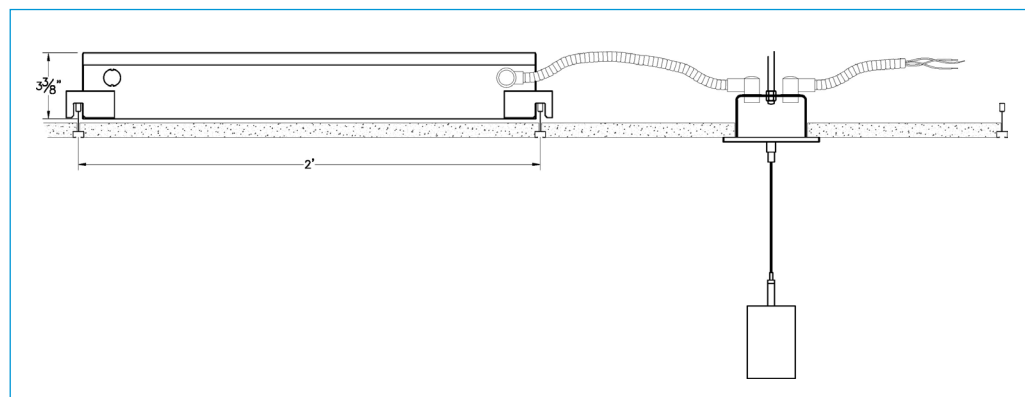
Step 2: Engage



Step 3: Lock

Remote EM Mounting Options

Recessed in sheetrock ceiling; rod mounted to structure. Consult factory for other ceiling types or canopy options.



Accessible Ceiling

