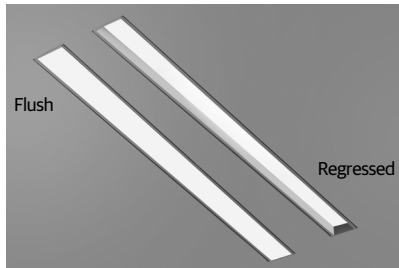


MARK

ARCHITECTURAL LIGHTING™

Slot 6 LED

Recessed Linear DC2DC Architecture



Slot 6 LED takes both form and function a step further and is perfect where visually harmonious illumination and energy efficiency are desired.

Slot 6 LED is the ideal choice for spaces that emphasize lines and clean contemporary design. It is a perfect fit for Armstrong TechZone™ ceiling systems. A regressed lens option provides added dimension to the sleek, slender design.

Type:

Project:

Catalog Number:

DO NOT TYPE HERE. Autopopulated field.

Specification Features

Housing

Nominal 6" x 2', 3', 4', 5', 6', 7', 8' and continuous rows in 1" increments as standard, upper housing fabricated from cold-rolled steel with extruded aluminum ceiling trim.

Finish

Polyester powder coat painted finish.

Reflector

Precision-formed steel; high reflectance matte white powder coat; 93% reflectivity.

Shielding

Flush Lens: Snap-in 90% transmissive satin acrylic lens. Lens is not sealed or gasketed.

Regressed Lens: Lay-in 90% transmissive satin acrylic lens.

Mounting

Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee.

Certification

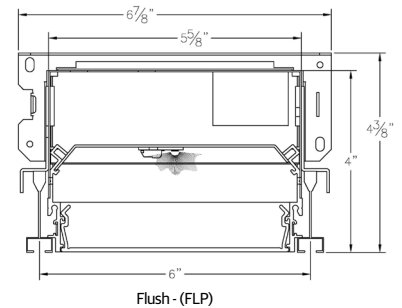
CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750). This product is IC rated. Optional Damp (DPL) location listing available with specified nomenclature.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Technical Drawing



eldoLED
your product | our drive

Declare.

Fixture Performance - SL6L*

Nominal Lumens	400LMF		600LMF**		900LMF**		1200LMF	
	RLP	FLP	RLP	FLP	RLP	FLP	RLP	FLP
Delivered Lumens/FT	377	345	689	631	928	850	1098	1005
DC Input Watts/FT***	3.7	3.7	5.6	5.6	7.4	7.4	9.3	9.3
LPW	102	93	123	113	125	115	118	108
# Device Addresses per 4FT****	1	1	1	1	1	1	1	1
# Device Addresses per 8FT****	1	1	1	1	2	2	2	2

*Based on SL6L FLP 80CRI 35K

**Based on calculated values

***Standard photometry based on AC wattage, DC wattage = AC wattage * .93

****Up to 50 watts on 1 device address. Consult factory for other section lengths & when downlights are included.

Note: UGR data available on last page

LED Components

Linear: Nichia® - 757 Series LED chips (available in 80 or 90 CRI)

LED Life

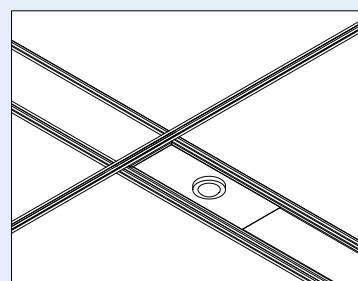
Rated 65,000 hours (L80) at 25 °C ambient temperature.

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. Color variation is 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 ultrasmooth dimming resolution from 100% to less than 1%, and choices for control, while assuring flicker free, low current inrush, 89% efficiency and low EMI.



Sensor (VPIR15ADC)

Integrated Controls

Optional Vertex embedded sensor with 360 degrees of full coverage with PIR occupancy and on/off auto-dimming photocell.

Photometry

For photometric information refer to www.marklighting.com.

Ordering

Example: SL6L LOP 8FT FLP TG 80CRI 30K 1200LMF DARK 57VDC DCHUB WL

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Series	Linear Length Plan	Total Run Length		Fixture Style		Ceiling Trim		Direct Light Source Color Rendering	
SL6L Slot 6 LED Linear Recessed	LOP Linear Optimized Plan	2FT 2'	7FT 7'	RLP ¹ Regressed Lens	FL ⁴ 5/8" Flange(sheetrock)			80CRI 80 CRI	
		3FT 3'	8FT 8'	FLP ² Flush Lens	FLINB ^{8,9} 5/8" Flange (sheetrock) Install From Below			90CRI 90 CRI	
		4FT 4'	FT [*] Specify continuous linear feet in 1" increments (7FT6 = 7FT 6IN)		TG 9/16" or 15/16" Flat or Inverted Tee				
		5FT 5'			GB ⁴ Trimless (sheetrock)				
		6FT 6'			WFL Perimeter Mount, 5/8" Flange (Sheetrock)				
					WTG 9/16" Flat or Inverted Tee, Perimeter Mount				
<i>*For metal pan, hard wood or other ceiling types consult factory</i>									

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Direct LED Color Temp		Direct LED Light Output		Direct Distribution		Downlight		Downlight Color Rendering		Downlight Color Temp		Minimum Dimming Level	
27K 2700K		400LMF 400 Lumens per FT		(blank) Standard Distribution	2DL LED Downlight Standard	S80CRI 80 CRI	S27K 2700K	DARK Constant current, dimming to 0.1%					
30K 3000K		600LMF 600 Lumens per FT		WW ⁶ Wall Wash	_DL LED downlights per Run (3DL, 4DL, ect.)	S90CRI 90 CRI	S30K 3000K						
35K 3500K		900LMF 900 Lumens per FT					S35K 3500K						
40K 4000K		1200LMF 1200 Lumens per FT					S40K 4000K						
50K 5000K		_LMF ¹² #Lumens per FT (Limited to 300LMF to 1000LMF in 50LMF increments)											

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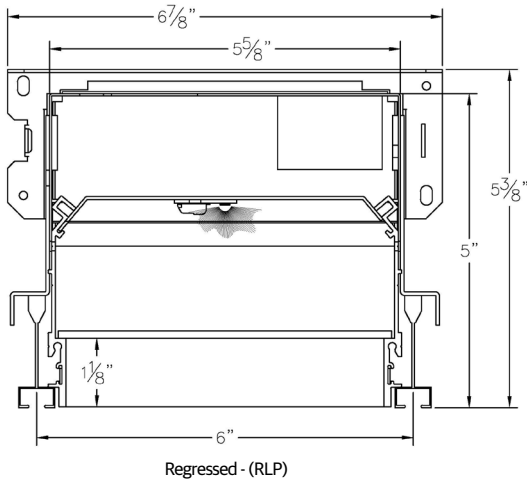
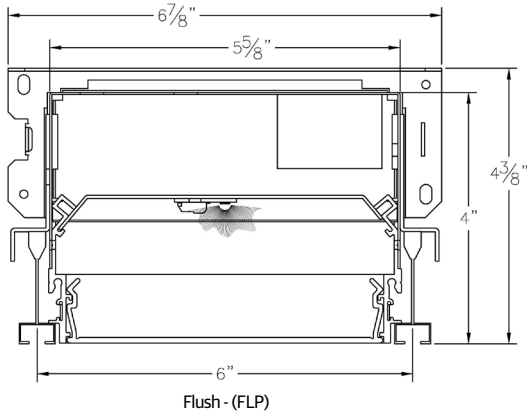
Voltage		Finish		Control Input		Primary Sensor ⁶		Secondary Sensor ⁶	
57VDC 57 Volt DC		(blank) White (satin)		DCHUB Required Power and Control Hub (Order separately) <i>Note: DCHUB purchase required</i>	(blank) Select if single zone, no sensor	(blank) Select if single zone			
		xxx/BLKT Black (satin)			NS Select if multi-zones required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture	SNS Select if secondary zone is required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture.			
		xxx/SLVT Silver (satin)			_VIPR15ADC ⁶ PIR OCC Sensor with Auto-Dim Photocell, Large Motion Range				
		xxx/AMF Anti-Microbial White (satin)			<i>*Not available with Secondary or Tertiary zones. Only one sensor per fixture section.</i>				
		xxx/RALTB RAL paint finish							
		xxx = fill in with the appropriate ceiling trim. Only trims are painted. RALTB is for pricing only. Replace with applicable RAL number and texture when placing order.							

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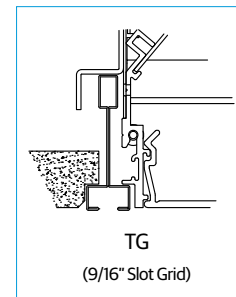
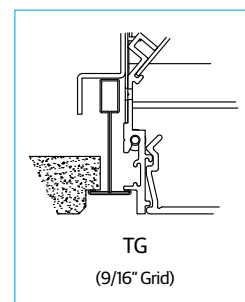
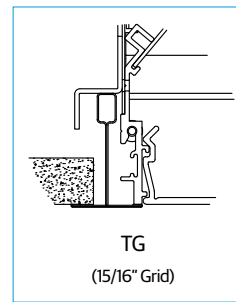
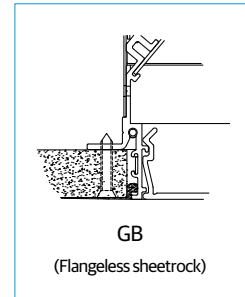
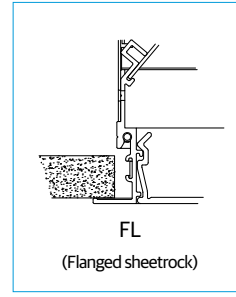
Tertiary Zone		Options	
(blank) Select if single zone		DPL ⁷ Damp Location Listing	
TNS Select if tertiary zone is required (with no sensors). Call out length of zone in whole feet. Zones cannot end mid-fixture.			

- Notes**
- Supplied with lift and shift lay-in lens.
 - Supplied with snap-in lens.
 - No longer applicable.
 - Not intended for post sheetrock installation.
 - Wall Wash not available with downlights, RLP lens and all sensors.
 - Sensors not available with WW, RLP, downlights, or 2' & 3' units. Default location for sensor is the left side of the fixture. For runs the first fixture will include the sensor.
 - Lens is not sealed or gasketed.
 - 1" increments will have extended lead time.
 - Not available with RLP regressed lens option.

Technical Drawing



Ceiling Trim



TG ceiling trim is suitable to mounted to a 6" techzone ceiling type.

INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose nomenclature from these columns					
Driver Configurations	Minimum Dimming Level	Control Input	Driver	Dimming Range	Notes
	DARK	+ DCHUB	= eldoLED SOLOdrive DC Driver	100% to 0.1%	Logarithmic Dimming
Choose nomenclature from these columns					
Control / Sensor Configurations	Control Input	Sensor	Sensor	Notes	
	DCHUB	+ VPIR15ADC	= Vertex 15F EZ ADC VLP	360 degree full coverage for 8'-15' mounting height with PIR occupancy sensor and on/off auto-dimming photocell	

DC2DC

DC-powered Lighting, DC2DC Architecture

Acuity Brands' DC2DC architecture provides for distributed low-voltage DC power and digital controls for a range of LED luminaires, including the Slot 6 LED Recessed.

The DC2DC architecture enhances an LED lighting system's efficiency by eliminating the need and cost to convert AC to DC power at the luminaire and facilitating the installation and commissioning of lighting controls. Inherently more efficient by design, our DC-powered lighting architecture also delivers savings at design and installation, facilitates maintenance, and empowers lighting design focused on sustainable and well-being applications.

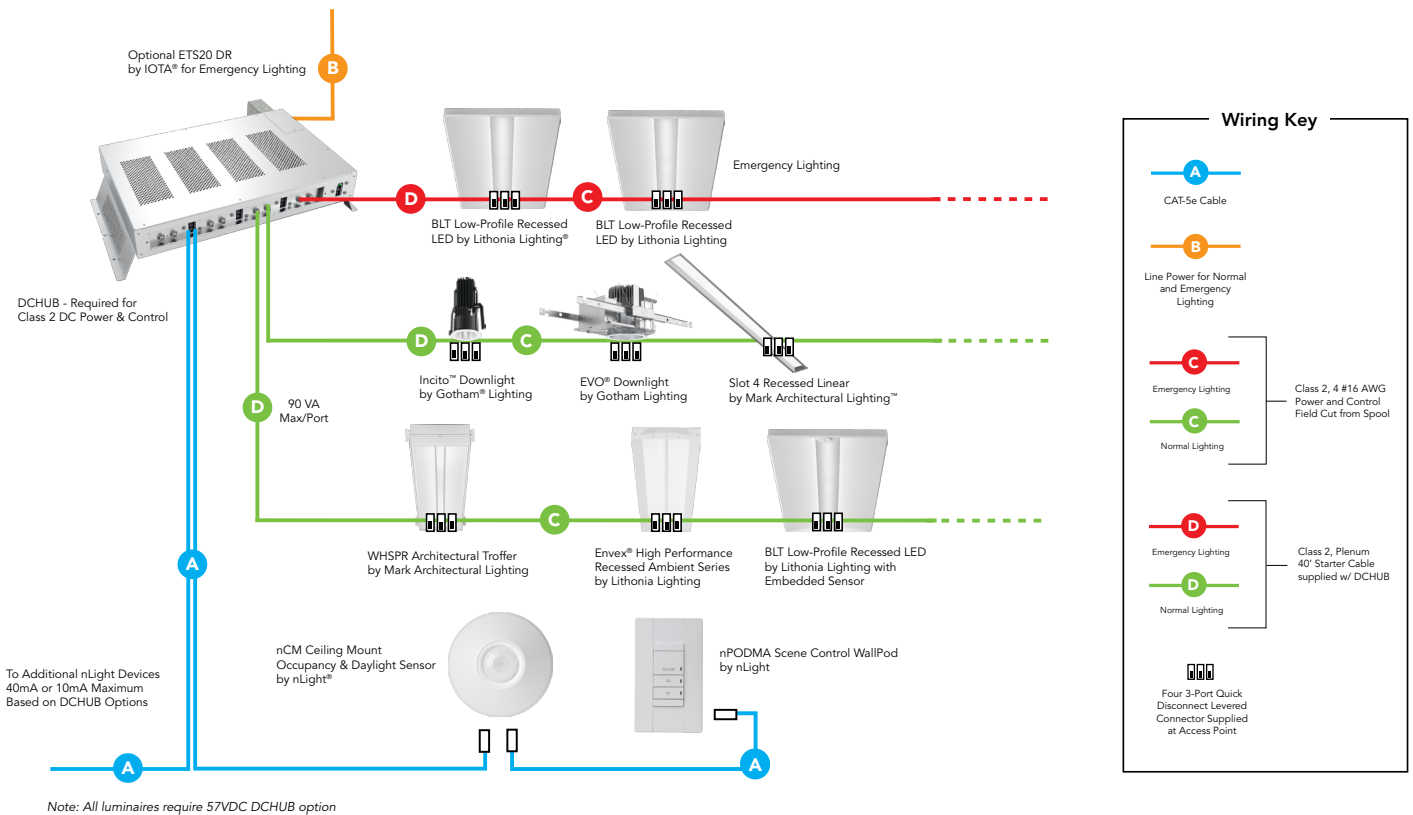
Components include:

- DCHUB (ordered separately), distributes DC power and control to up to 1080 VA of DC-powered LED luminaires including support for emergency lighting.* DCHUB ordered separately. DCHUB input voltage is 120-277 volt AC.
- 57 VDC powered LED luminaires, with Static CCT or Tunable White options.
- nLight® Wired networked lighting control, with nLight control devices (ordered separately) and/or sensors embedded within luminaires.
- Standard Class 2 power and control cables, 16 AWG.

* The number of luminaires that can be supported by a single DCHUB port is a function of luminaire wattage. Please refer to the DCHUB spec sheet for additional details.

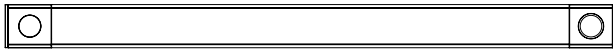
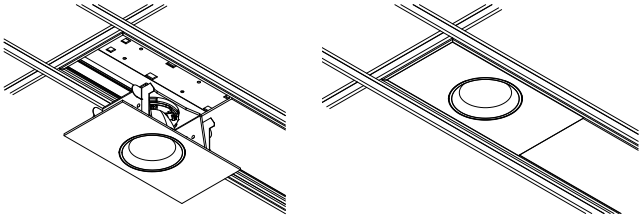
Click [DC2DC](#) for more information.

DC2DC Architecture

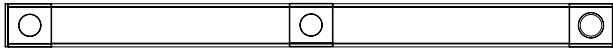


Downlights

Optional downlights powered by Xicato Spot Modules are available with any linear length and no less than 2' on center spacing. Each downlight module is 6W with 700 lumens delivered (28 degree beam spread). Downlights are supplied with a dedicated feed-point and will be controlled separately.



Standard Downlight Location



Other Downlight Configuration (consult factory)

Notes

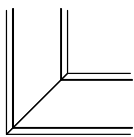
- 2DL - Downlights are supplied at each end of an individual unit
- _DL - Multiple downlights will be supplied with one at each end and the remainder will be centered over the length of the run.
- Downlights are not adjustable and are provided with solite lens

Continuous Runs

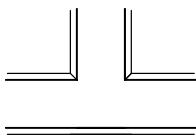
Slot 6 LED continuous rows can be configured in 1" increments.

Run Patterns, Corners and Junction

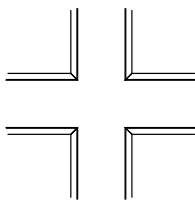
Slot 6 LED patterns can be configured in 1' increments with illuminated 90° inside and outside corners, T junctions, and X junctions with standard 2' corner and junction lengths. For custom angles, corner or junction lengths, consult factory.



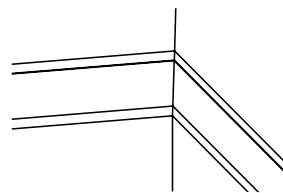
90° Corner



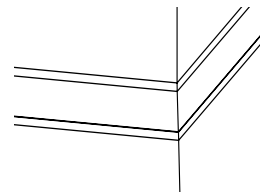
T Junction



X Junction



Inside Corner



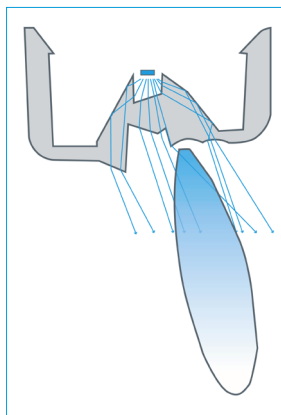
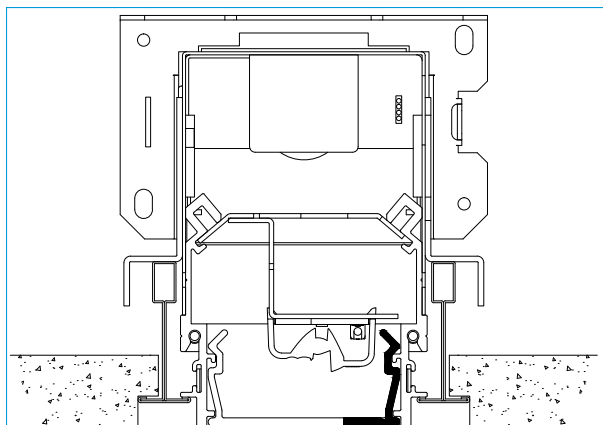
Outside Corner

Layout Sketch

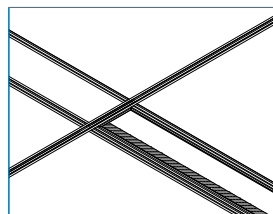
Please draw and configure your linear run below.

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.



Wall Wash (WW)



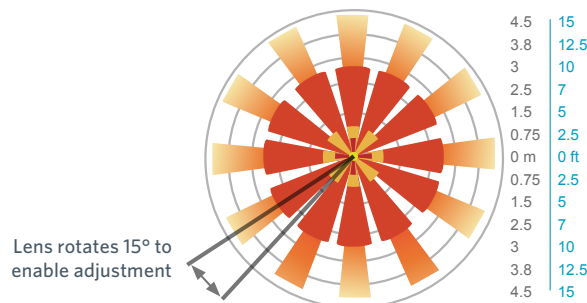
OCCUPANCY DETECTION COVERAGE

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.



Lens rotates 15° to enable adjustment

UGR CHART

Lumen Package	UGR (70% 50% 20% REFLECTANCE USING A 4H X 8H ROOM SIZE)					
	Crosswise			Endwise		
	FLP	RLP	WW	FLP	RLP	WW
400LMF	20	19.7	21.2	20.1	17.2	17.7
600LMF	22.1	21.8	23.3	22.2	19.3	19.7
900LMF	23.2	22.8	24.3	23.2	20.3	20.8
1200LMF	23.7	23.4	24.9	23.8	20.9	21.4

*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

** Click here for more information on [UGR FAQ](#)