BEAM6 LED

PERIMETER PATTERN - RECESSED

Regressed 6" Regressed 3" Regressed 2" Flush

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1200 lm/ft	9.4 W/ft	128 lm/W	SO-FL

* Based on a 4 foot luminaire using one driver
Please consult factory for custom lumen output and wattage.

CCEA APPROVED | PoE | Axitune Tunable White | IC cULus Listed Type I.C. | Control Sensors | 5 YEAR LED BOARD & DRIVER LUMINAIRE WARRANTY

c UL us Listed | bios ILLUMINATED

PRODUCT ID	LINEAR OR CORNER QTY	TOTAL LENGTH
B6PRLEDPAT	OPRO (1)	12'

3D VIEW - Outside Corner Pattern

PRODUCT ID	LINEAR OR CORNER QTY	TOTAL LENGTH
B6PRLEDPAT	OPRI (1)	14'

3D VIEW - Inside Corner Pattern
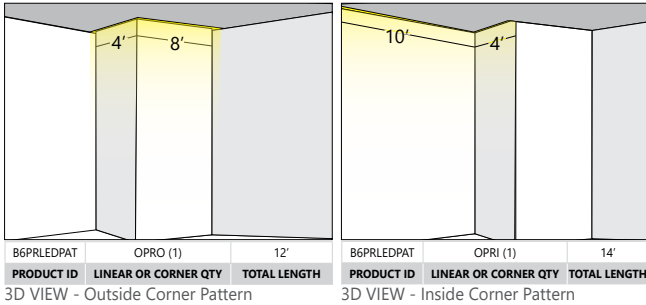
Ordering Guide

B6PRLEDPAT								
PRODUCT ID		**CORNER QUANTITY**		**NOM. LUMENS/FT**		**CRI**		**COLOR TEMP. (choose one)**

PRODUCT ID		CORNER QUANTITY		NOM. LUMENS/FT		CRI		COLOR TEMP. (choose one)			
B6PRLEDPAT	Perimeter Recessed LED Pattern	OPRO(#)	open shape recessed outside lit corner	400	400 lm/ft - **Minimum**	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White
		+OPRI(#)	open shape recessed inside lit corner	1200	1200 lm/ft - **Maximum**	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White
								35	3500 K	BTW3527	3500-2700 K - Tunable BIOS
								40	4000 K	BTW4027	4000-2700 K - Tunable BIOS
								B30	3000 K - BIOS*		
								B35	3500 K - BIOS*		
								B40	4000 K - BIOS*		

Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS

* Not available with BIOS.

Consult Axitune technical sheet for more information of color technology.
*Consult BIOS guide for more information on BIOS technology
BIOS (B30, B35, B40, BTW3527, BTW4027) is not available with Telescopic.

	SHIELDING		SHIELDING POSITION		TOTAL LENGTH		FINISH		VOLTAGE		DRIVER		CIRCUITS
SO	spotless lens	FL	flush	#	total length	W	white	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit
UB	Ultra blend lens*	RG2	regressed 2"			C	custom	277	277 V	LT(#)	Lutron*	2	2 circuits
		RG3	regressed 3"					347	347 V	BI	bi-level dimming	+E(#)	emergency circuit*
		RG6	regressed 6"					UNV	universal	O(#)	other**	+NL(#)	night light circuit*
								DC	low voltage*	DPB(STC)	dimming (0-10V) 1% with BIOS*	+GTD(#)	generator transfer device*
										DPB(DYN)	Bio-dimming™ 100%-81% with BIOS*		
										TW(#)	tunable white drivers*		
										POE(#)	POE drivers*		

* Default lens for Tunable white and BIOS. Consult factory for other lens.

Min total length 2'

* Only available with POE drivers.

*See page 2 to specify system
**Please consult factory; see page 2

*Specify quantity

	MOUNTING		END CAP		TYPE (OPTIONAL)		BATTERY (OPT.)		OTHER (OPTIONAL)		CUSTOM (OPT.)
TB9	t-bar 9/16"	ECR2	end cap for regressed 2"*	TS(#)	telescopic sections	B(#)	battery pack 4' sections	EF	end feed	C	custom
TB15	t-bar 15/16"	ECR3	end cap for regressed 3"**					FW	flex whip (6' std)		
ST	screw slot t-bar	ECR6	end cap for regressed 6"***					CP	Chicago plenum		
TG9	tegular 9/16"	ECFL	end cap flush with lens								
TG15	tegular 15/16"	NEC	no end caps (for closed patterns only)								
DF	drywall flange										
DS	drywall spackle flange										

* Only available with RG2 regressed position
** Only available with RG3 regressed positions
*** Only available with RG6 regressed position
See page 4 for additional information.

TS section requires min length of 4'.
Available on patterns.
Recomended for longer runs or if exact perimeter length is not available. See page 2 for more details.
Not available with BIOS - B30, B35, B40, BTW3527, BTW4027.

Please consult factory

Please specify

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● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075'' nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (18 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Blank	Extruded aluminum (0.075'' nominal)
Lens	Spotless frosted acrylic lens
T-Bar Bracket	Die formed sheet steel (16 gauge)
Screw Slot T-Bar Bracket	Die formed sheet steel (16 gauge)
Spackle Flange	Extruded aluminum (0.070")
All Flanges	Extruded aluminum (0.075'' nominal)

● ELECTRICAL

Lutron driver	**LDE1 -** Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	**DALI -** Digital Addressable Lighting Interface **DMX -** Digital Multiplex **Xitanium SR -** For wireless sensor
BIOS DPB drivers*	**STC -** BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%.
	DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	**DALIDT6 -** DALI Type 6 (Two DALI Addresses) **DALIDT8 -** DALI Type 8 (One DALI Address) **DPTW -** two channel 0-10V dimming: one channel for brightness, one channel for CCT. **LDTW -** Lutron DALI Type 8 (One DALI adress) Tunable White series
Power over Ethernet POE drivers* UL2108 certified for integral or remote driver	MOLEX IGOR SMARTENGINE **O -** Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*Choose driver from available options.

ⓘ Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.
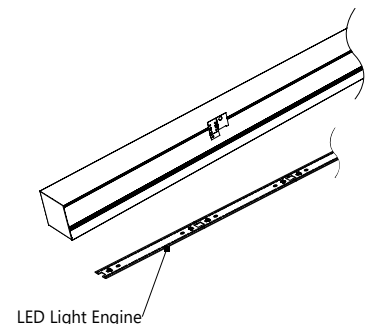
● WEIGHT

Perimeter LED 4 ft	14.5 lbs / 6.6 kg
Perimeter LED 8 ft	29.0 lbs / 13.2 kg
Perimeter LED 12 ft	43.5 lbs / 19.7 kg

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3–step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25^{0}C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40^{0}C (32-104F).

LED Light Engine

● APPROVALS

Certified to UL and CSA standards   c(UL)us
Meets CCEC requirements (Chicago plenum)
Meets NYC requirements
Suitable for damp locations
IC Rated (Insulated ceiling)

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information.

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April 16, 2024

FILE NAME:B6PRLEDPAT.SPEC

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● 7" TELESCOPIC ADJUSTMENT

BEAM6 LED Perimeter system feature a patented telescopic sliding LED board design that allows runs to be field cut to facilitate installation and specification.

NOTE: Miter saw with aluminum cutting blade required on site for telescopic adjustments. If a 2nd telescopic section is required, minimum length is 8'.

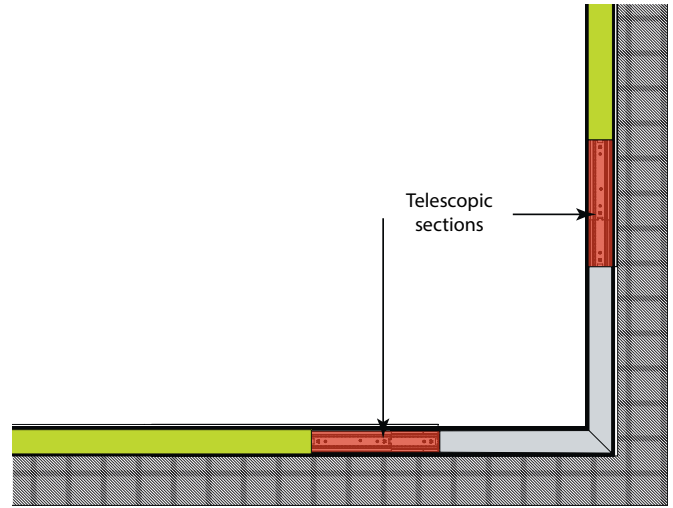**EXAMPLE:** Telescopic adjustment 7" (+4"/-3"). If a 10' 6" (126") fixture is specified, adjustable lengths with (1) TS section are between 123"-130".
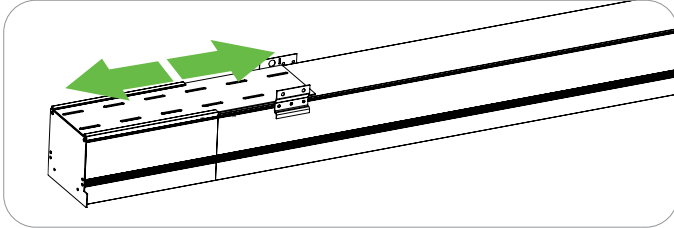
● JOINERS

BEAM6 Perimeter LED has steel joiners with wedge alignment for easy installation.
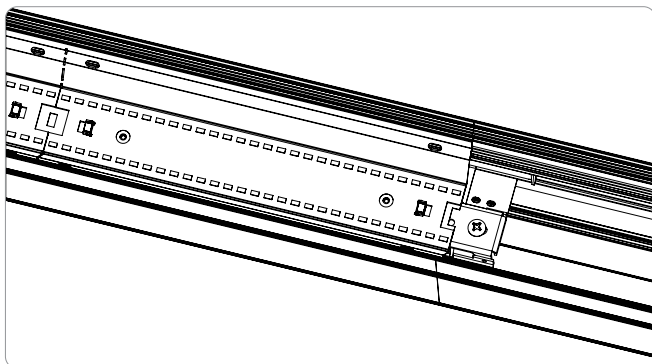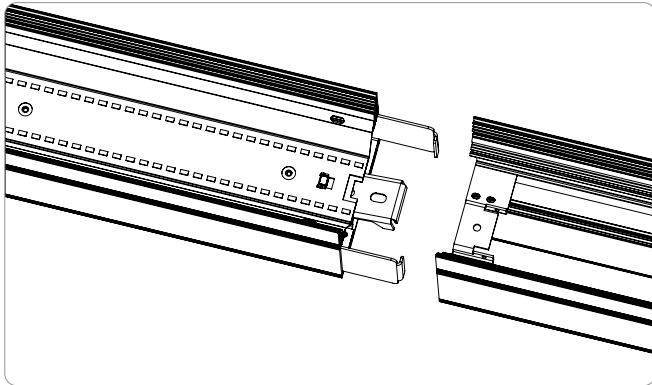
JOINER SYSTEM

● SECTION QUANTITY

Telescopic sections

TS   **TELESCOPIC SECTIONS**

Fixed Sections

FS   **FIXED SECTIONS**

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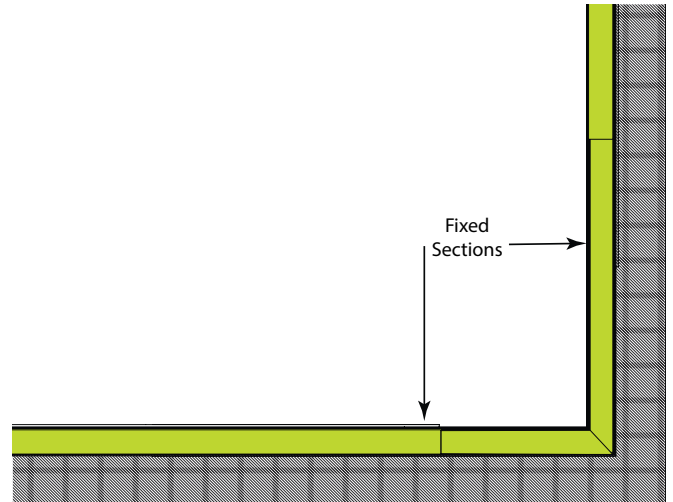
● END CAP

FLUSH END CAP

ECFL **END CAP FLUSH**
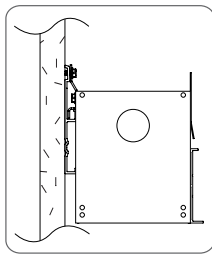
Side view

REGRESSED END CAP

ECR2 **END CAP 2" REGRESSED** (shown)

ECR3 - 3" End Cap is also available.
ECR6 - 6" End Cap is also available.
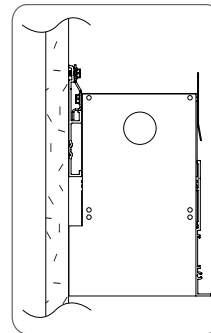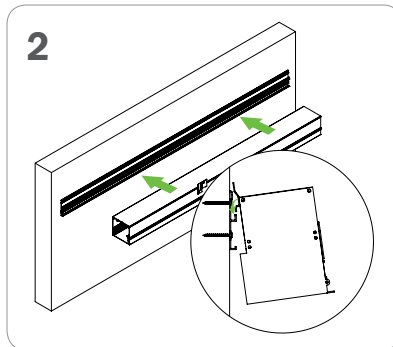

Side view

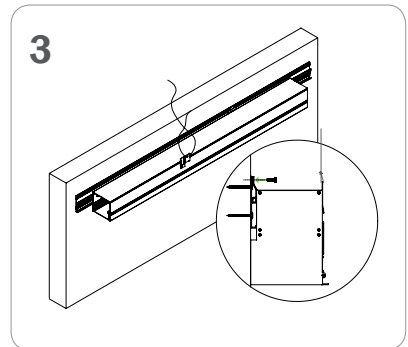## ● INSTALLATION GUIDE

1
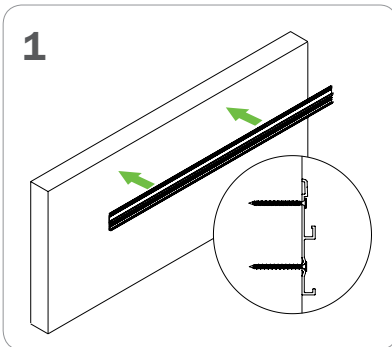
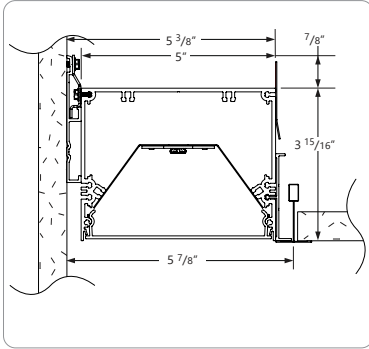Install wall track level and secure to structure at small grooves in extrusion.

2
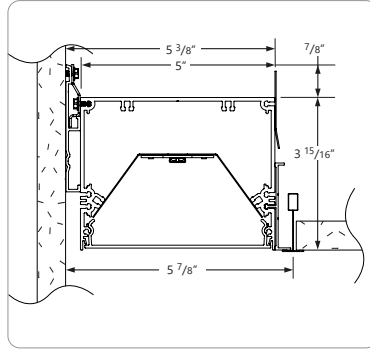
Hook beam Perimeter luminaire onto wall track.

3

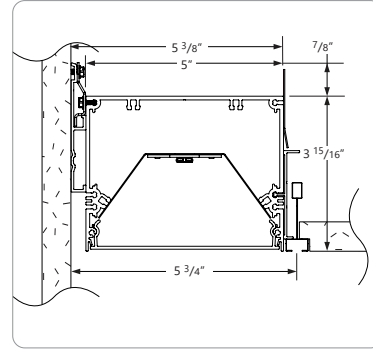Secure to wall track, secure to structure.

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● TB CEILING MOUNTING OPTIONS

TB15 15/16" T-BAR
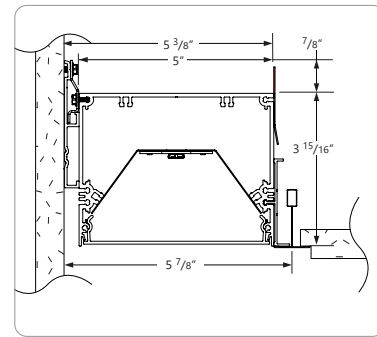

TB9 9/16" T-BAR
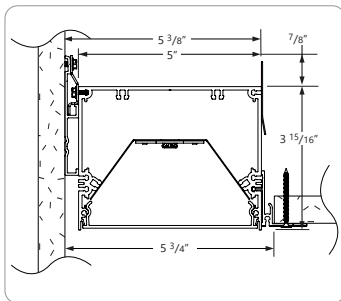

ST SCREW SLOT T-BAR
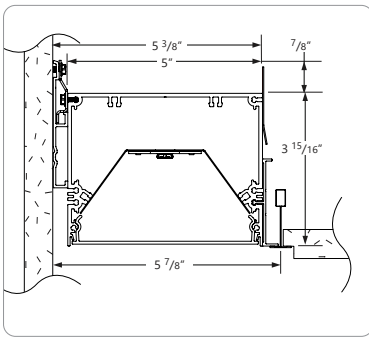
TG9 9/16" T-TEGULAR

TG15 15/16" T-TEGULAR

● DRYWALL CEILING MOUNTING OPTIONS

DS SPACKLE FLANGES
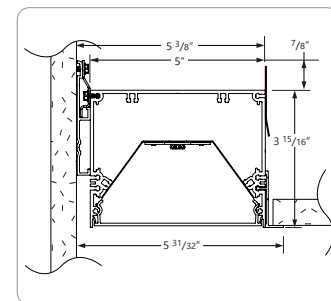
DF VISIBLE FLANGES
WALL MOUNTING

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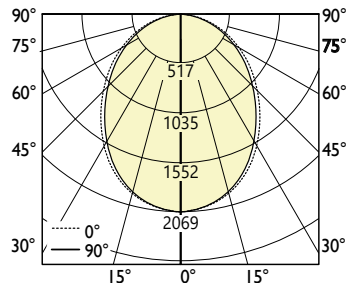
● **PHOTOMETRIC DATA**

SO Spotless lens - Flush

1200 lm/ft
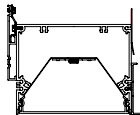
PHOTOMETRIC CURVE

Lumen/ft: 1200 lm/ft
Total Lumens: 4801 lm (for 4ft)
Input Watts: 37.4 W
Efficacy: 128 lm/W
IES FILE: B6PRLED-1200-80-35-FL-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2069	2069	2069	2069	2069
5	2054	2052	2049	2048	2048
15	1943	1933	1920	1909	1906
25	1738	1719	1692	1666	1656
35	1458	1436	1397	1358	1342
45	1142	1121	1078	1034	1017
55	825	807	768	728	713
65	527	515	487	460	449
75	272	266	255	242	237
85	76	74	71	68	67
90	4	4	4	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	195
10-20	544
20-30	786
30-40	883
40-50	842
50-60	697
60-70	492
70-80	276
80-90	85
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10504	9913	9356
55	9357	8704	8087
65	8117	7497	6905
75	6831	6399	5945
85	5645	5324	4990

ℹ All IES files for other lamping are available for download at: www.axislighting.com