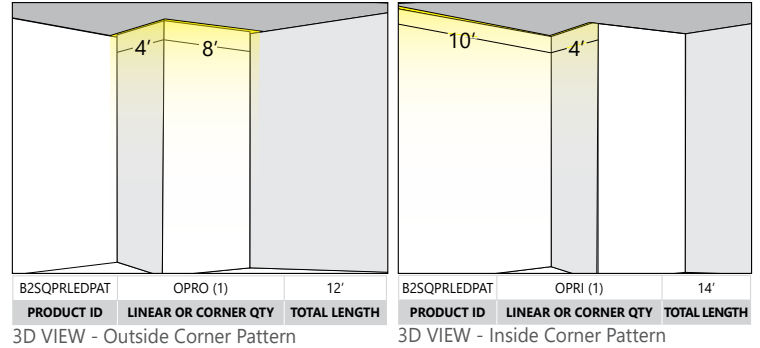
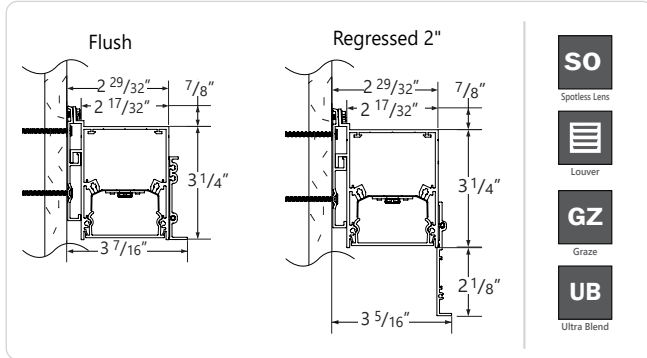




Project _____

Type _____

Notes _____



Ordering Guide

B2SQPRLEDPAT		CORNER QUANTITY		NOM. LUMENS/FT		CRI		COLOR TEMP. (choose one)	
PRODUCT ID									
B2SQPRLEDPAT	Perimeter	OPRO(1)	open shape recessed	300	300 lm/ft - min	80	80 CRI	27	2700 K
	Recessed LED		outside lit corner	750	750 lm/ft - max for GZ*	90	90 CRI*	30	3000 K
	Pattern	+OPRI(1)	open shape recessed	1000	1000 lm/ft - max			35	3500 K
			inside lit corner					40	4000 K
								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. * 750lm/ft max for graze.		* Not available with BIOS.		Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology. BIOS (B30, B35, B40, BTW3527, BTW4065) is not available with Telescopic.	

SHIELDING	SHIELDING POSITION	TOTAL LENGTH	FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING
SO spotless lens	FL flush	(L) total length	W white	120 120 V	DP dimming (0-10V) 1%	1 1 circuit	TB9 t-bar 9/16"
UB Ultra blend lens*	RG2 2" regressed		C custom	277 277 V	LT(1) Lutron*	2 2 circuits	TB15 t-bar 15/16"
GZ graze lens				347 347 V	BI bi-level dimming	+E(1) emergency circuit*	ST screw slot t-bar
BFBL black flat blade louver				UNV universal	O(1) other **	+NL(1) night light circuit *	TG9 tegular 9/16"
WFBL white flat blade louver				DC low voltage*	DPB(STC) dimming (0-10V) 1% with BIOS*	+GTD(1) generator transfer device *	TG15 tegular 15/16"
GFBL grey flat blade louver					DPB(DYN) Biodimming™ 100%-50% with BIOS*		DF drywall flange
					TW(1) tunable white drivers*		DS drywall spackle flange
					POE(1) 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	

END CAP	TYPE (OPTIONAL)	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	CUSTOM (OPT.)
ECFL end cap flush with lens	TS(1) telescopic sections	B(1) battery pack 4' sections	EF end feed	C custom
ECRG2 end cap for 2" regressed*			FW flex whip (6' std) *	
NEC no end caps (for closed patterns only)			CP Chicago plenum	
* Only available with RG2 regressed position. See page 3 for additional information.	TS section requires min length of 4'. Available on patterns. Recommended 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, BTW4065.	Not available with 347V. Please consult factory. Not available with color tuning	* Other lengths available; please consult factory.	Please specify

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) Up to 70% recycled content
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 (0.070" 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 address) Tunable White series
Power over Ethernet POE drivers*	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.

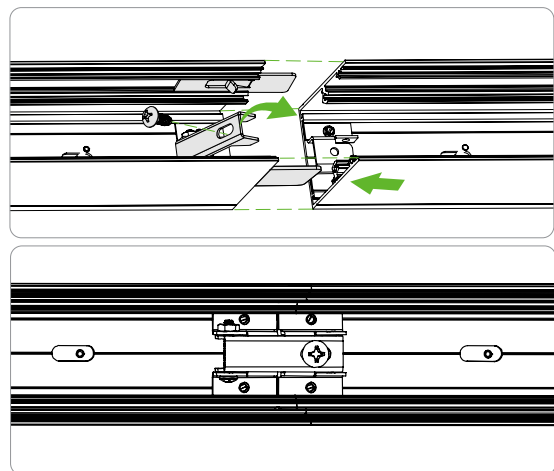
i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

● 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°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°C (32-104°F).

● JOINERS

BEAM 2 SQUARE has steel joiners with wedge alignment for easy installation.



JOINER SYSTEM

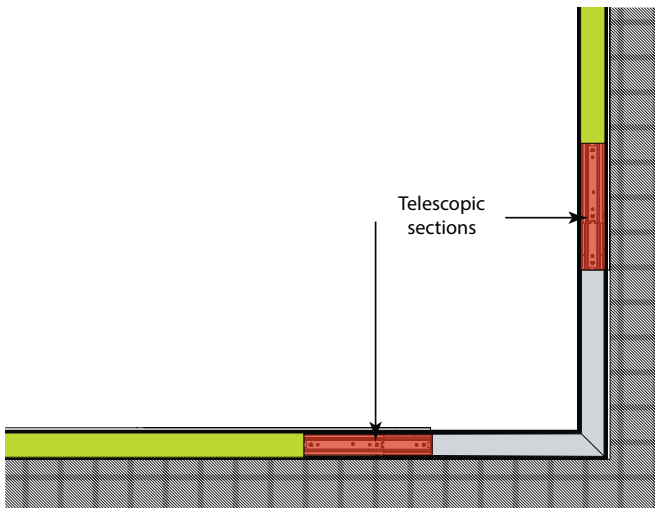
● APPROVALS

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

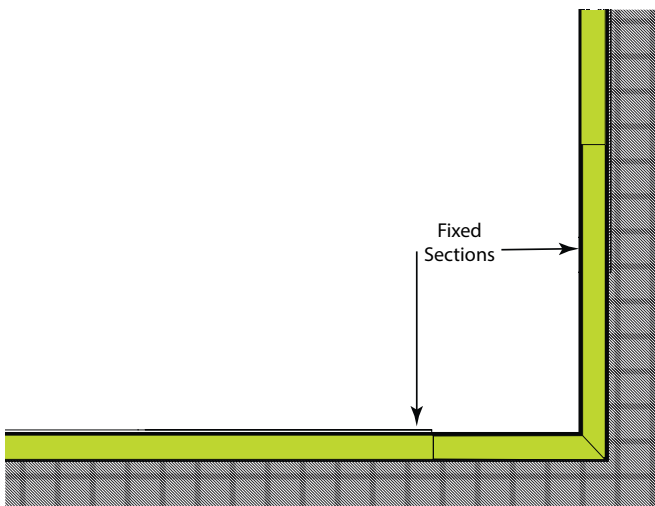
● WEIGHT

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

● SECTION QUANTITY



TS TELESCOPIC SECTIONS



FS FIXED SECTIONS

● WARRANTY

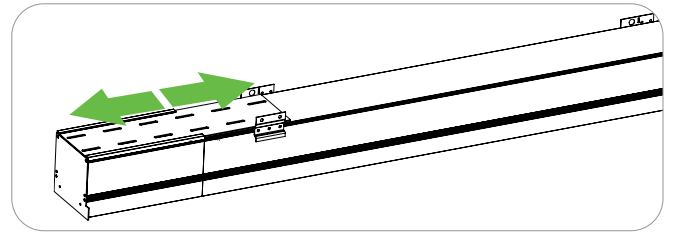
Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● 7" TELESCOPIC ADJUSTMENT

Beam 2 Square LED Perimeter features 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".

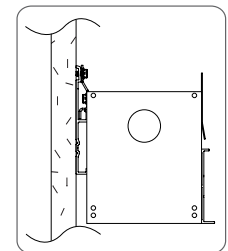


● END CAP

FLUSH END CAP



ECFL END CAP FLUSH

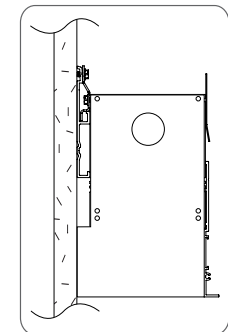


Side view

REGRESSED END CAP

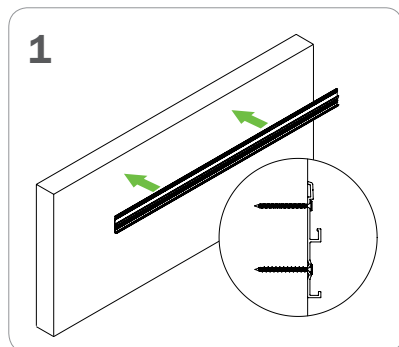


ECR2 END CAP 2" REGRESSED

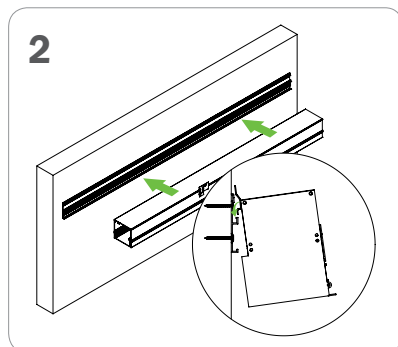


Side view

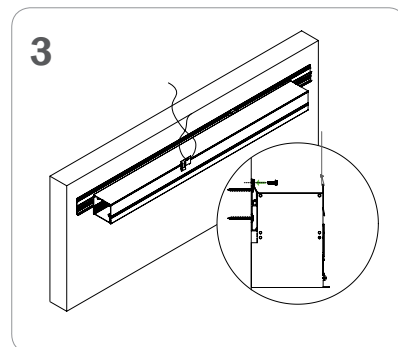
● **INSTALLATION GUIDE**



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



Hook beam Perimeter luminaire onto wall track.



Secure to wall track, secure to structure.

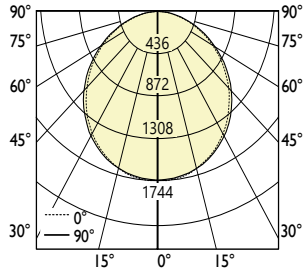
● PHOTOMETRIC DATA

SO - Spotless lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 34 W
Efficacy: 118 lm/W

IES FILE: B2SQPRLED-1000-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1742	1742	1742	1742	1742
5	1731	1723	1720	1717	1713
15	1637	1620	1598	1581	1577
25	1462	1433	1397	1361	1347
35	1224	1190	1141	1096	1079
45	956	926	876	828	810
55	690	666	623	581	569
65	442	424	395	367	358
75	227	216	203	187	183
85	63	57	51	44	44
90	3	3	3	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	164
10-20	456
20-30	656
30-40	734
40-50	699
50-60	580
60-70	412
70-80	230
80-90	69
90	

LUMINANCE DATA (cd/m²)

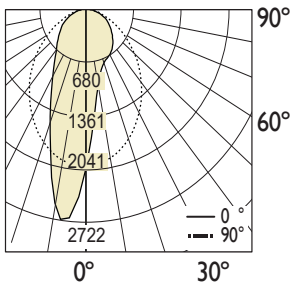
Vertical Angle	Horizontal Angles		
	0	45	90
45	18485	16928	15660
55	16438	14844	13550
65	14298	12780	11567
75	11985	10694	9680
85	9901	8012	6837

GZ - Graze lens

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 750 lm/ft
Total Lumens: 3212 lm (for 4ft)
Input Watts: 30.3 W
Efficacy: 106 lm/W

IES FILE: B2SQPRLED-750-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2031	2031	2031	2031	2031
5	1991	1684	1471	1348	1323
15	1861	1159	893	809	795
25	1634	850	705	694	700
35	1349	668	620	632	639
45	1038	535	520	524	532
55	715	406	395	411	429
65	410	267	267	294	314
75	176	135	140	161	173
85	31	27	29	32	31
90	2	2	2	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	188
10-20	450
20-30	550
30-40	562
40-50	519
50-60	432
60-70	308
70-80	164
80-90	39
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	20205	10119	10356
55	17175	9493	10294
65	13348	8695	10246
75	9356	7446	9220
85	4845	4659	4847

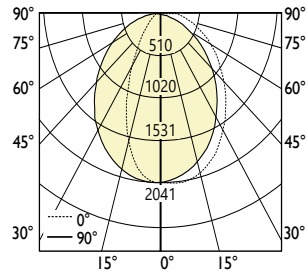
i All IES files are available for download at: www.axislighting.com

● **PHOTOMETRIC DATA**

SO-RG2 - Spotless 2" Reg. lens
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 38.2 W
Efficacy: 105 lm/W

IES FILE: B2SQPRLED-1000-80-35-SO-RG2-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2015	2015	2015	2015	2015
5	1999	2002	2012	2025	2029
15	1883	1916	1971	1997	2007
25	1670	1744	1803	1817	1840
35	1380	1498	1549	1547	1563
45	1073	1215	1257	1260	1271
55	767	923	972	985	992
65	479	646	707	736	751
75	239	392	468	514	535
85	51	180	272	323	349
90	3	101	196	256	277

ZONAL LUMENS

Zone	Lumens
0	
0-10	188
10-20	507
20-30	682
30-40	706
40-50	631
50-60	511
60-70	381
70-80	253
80-90	142
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	22195	26019	26304
55	19558	24787	25300
65	16575	24482	26001
75	13503	26478	30266
85	8555	45730	58545

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