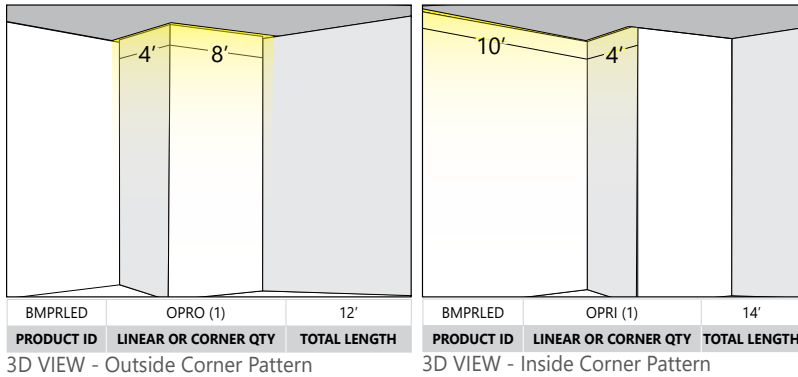
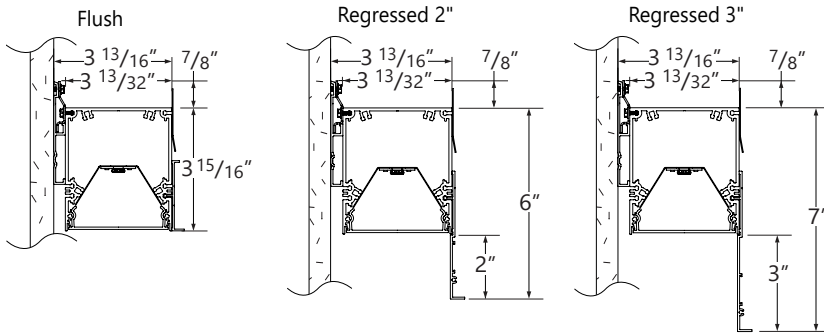




Ordering Guide

BMPRLEDPAT		CORNER QUANTITY		NOM. LUMENS/FT		CRI		COLOR TEMP. (choose one)			
PRODUCT ID											
BMPRLEDPAT	Perimeter	OPRO(#)	open shape recessed	300	300 lm/ft - min	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White
	Recessed LED		outside lit corner	1000	1000 lm/ft - max for GZ*	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White
	Pattern	+OPRI(#)	open shape recessed	1100	1100 lm/ft - max			35	3500 K	BTW3527	3500-2700 K - Tunable BIOS
			inside lit corner					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. * 1000 lm/ft max. only for GZ*. 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 on 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	(L)	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
GZ	graze	RG3	regressed 3"					347	347 V	BI	bi-level dimming	+E(#)	emergency circuit*
								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 (OPTIONAL)		OTHER (OPTIONAL)		CUSTOM (OPT.)	
TB9	t-bar 9/16"	ECR2	end cap for regressed 2**	TS(#)	telescopic sections	B(#)	battery pack	EF	end feed	C	custom
TB15	t-bar 15/16"	ECR3	end cap for regressed 3***				4' sections	FW	flex whip (6' std)*		
ST	screw slot t-bar	ECFL	end cap flush with lens					CP	Chicago plenum		
TG9	regular 9/16"	NEC	no end caps (for closed patterns only)								
TG15	regular 15/16"										
DF	drywall flange										
DS	drywall spackle flange										
* Only available with RG2 regressed position ** Only available with RG3 regressed position See page 4 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, BTW4027.		Not available with 347V Please consult factory		* Other lengths available; please consult factory.		Please specify	

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1100 lm/ft	8.8 W/ft	125 lm/W	SO
1100 lm/ft	9.7 W/ft	114 lm/W	UB
1000 lm/ft	9.3 W/ft	114 lm/W	GZ

Please consult factory for custom lumen output and wattage.



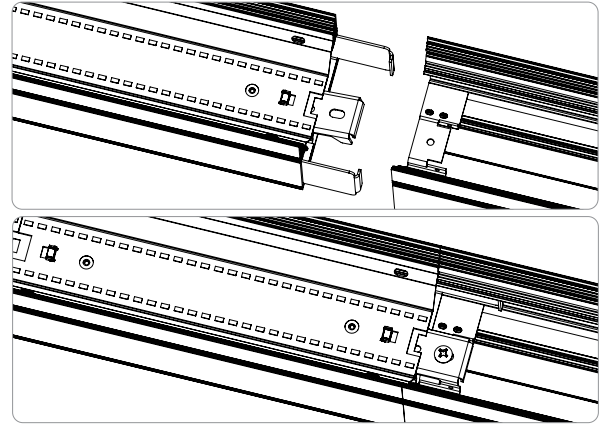
● SPECIFICATIONS

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 (0.070" nominal)

● JOINERS

BEAM3 Perimeter LED has steel joiners with wedge alignment for easy installation.



JOINER SYSTEM

● 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).

● 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 Flex Whip	120V, 277V, 347V, UNV, DC. 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.

● 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.

● 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

● APPROVALS

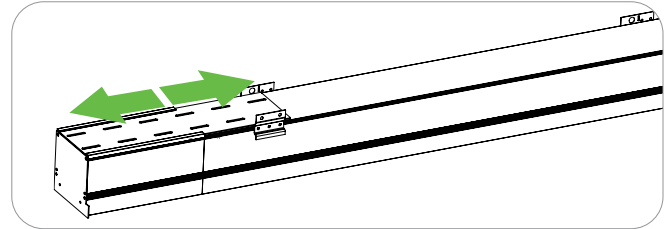
Certified to UL and CSA standards 
Meets CEC requirements (Chicago plenum)
Meets NYC requirements
Suitable for damp locations
IC Rated (Insulated ceiling)

● 7" TELESCOPIC ADJUSTMENT

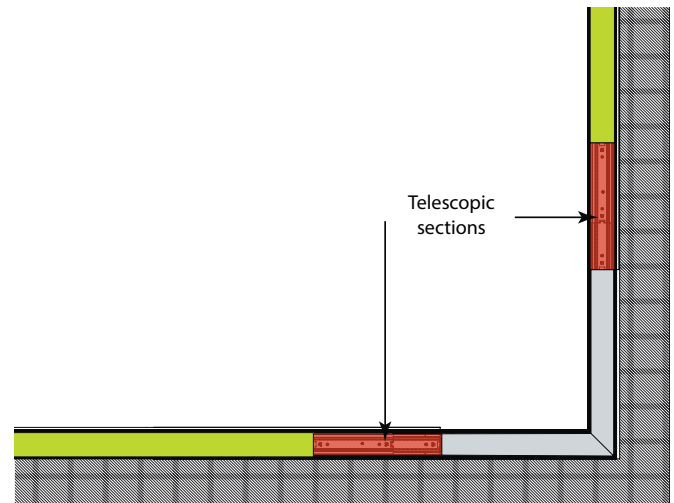
Beam 3 LED Perimeter features a patented telescopic sliding LED board design that allows runs to be field cut to facilitate installation and specification

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

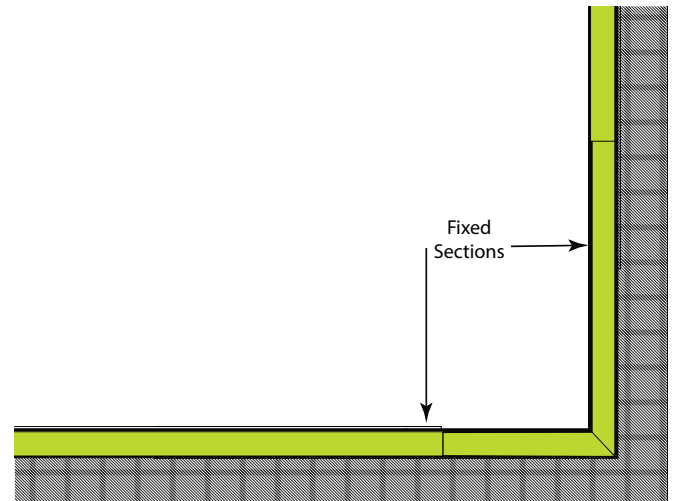
EXAMPLE: Telescopic adjustment 7" (+4"/-3"). If a 10' 6" (126") fixture is specified, adjustable lengths with (1) TS section are between 123"-130".



● SECTION QUANTITY



TS TELESCOPIC SECTIONS



FS FIXED SECTIONS

Declare.

Beam 3 Axis Lighting

Final Assembly: Montreal, Quebec, Canada
Life Expectancy: 7 Year(s)
End of Life Options: Recyclable (87.5%), Landfill (12.5%)

Ingredients:

Recessed Housing: Aluminum 6063; Aluminum hydroxide; Titanium dioxide; Barium sulfate; 1,3,5-Triglycidyl-s-triazinetrione; **Extruded White Beam:** Aluminum 6063; Petroleum distillates; Titanium dioxide; Xylene; 1,2,4-Trimethylbenzene; 2-Butoxyethanol; 2-Pentanone; 4-hydroxy-4-methyl-; Aromatic 100 (Aromatic naphtha, type 1); Ethanol; Ethylbenzene; n-Butanol; Phenol; 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane]; Aluminum hydroxide; Toluene; **Lens:** Polymethyl methacrylate; **Reflector:** Aluminum 5052; Polyester Resin; Titanium dioxide; Calcium Carbonate; 1,3,5-Triglycidyl-s-triazinetrione; **End Plate:** Aluminum; Silicon; Copper; Phenol, polymer with formaldehyde; **Bracket:** Steel manufacture, chemicals; (R)-1-chloro-2,3-epoxypropane; Lycopodium (powder); Pitch, gilsonite; **Cover:** Steel; **Small Hardware:** 18-8 Stainless Steel; **Wire 1:** Copper; Bicyclo[2,2,1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 2:** Copper; Bicyclo[2,2,1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 3:** Copper; Bicyclo[2,2,1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 4:** Copper; Bicyclo[2,2,1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 5:** Copper; Bicyclo[2,2,1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **3-Way Connector:** Poly[imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl]; Iron; Copper; **Flange Cap:** Polyvinyl chloride

Living Building Challenge Criteria:

I-13 Red List:

☐ LBC Red List Free % Disclosed: 100% at 100ppm
☐ LBC Red List Approved VOC Content: Not Applicable
☒ Declared

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

AXS-0001
EXP: 01 OCT 2024
Original Issue Date: 2023

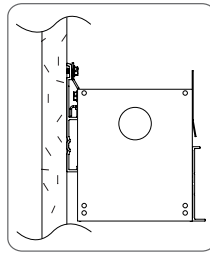
MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

● **END CAP**

FLUSH END CAP



ECFL END CAP FLUSH



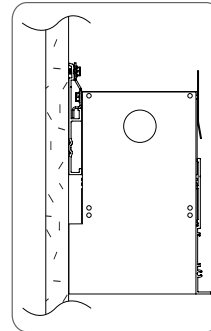
Side view

REGRESSED END CAP



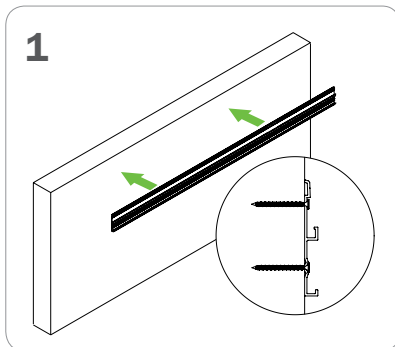
ECR2 END CAP 2" REGRESSED (shown)

ECR3 - 3" End Cap is also available.

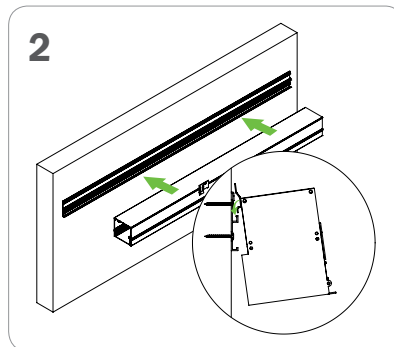


Side view

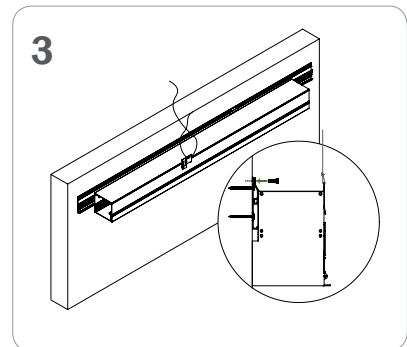
● **INSTALLATION GUIDE**



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

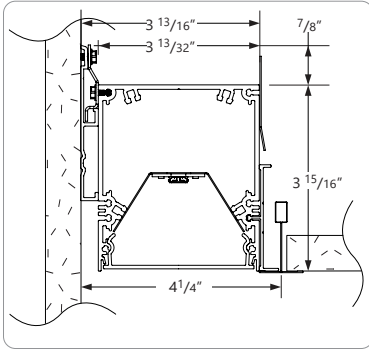


2
Hook beam Perimeter luminaire onto wall track.

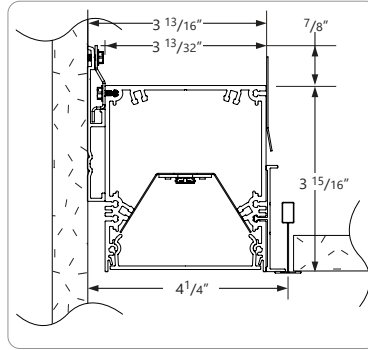


3
Secure to wall track, secure to structure.

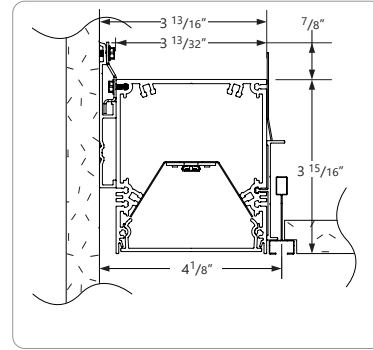
● TB CEILING MOUNTING OPTIONS



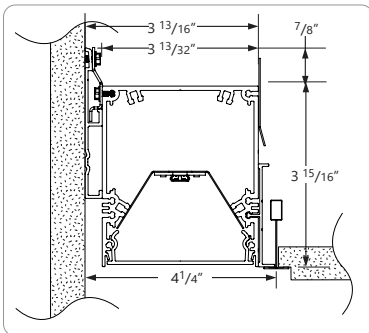
TB15 15/16" T-BAR



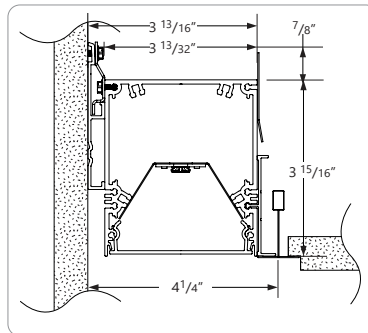
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

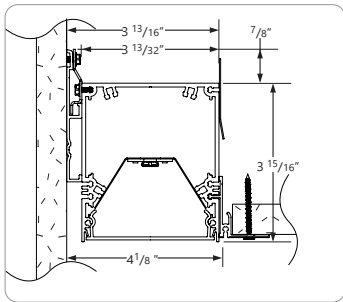


TG9 9/16" T-TEGULAR

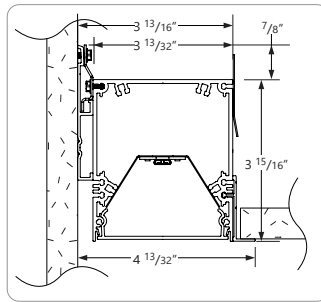


TG15 15/16" T-TEGULAR

● DRYWALL CEILING MOUNTING OPTIONS



DS SPACKLE FLANGES

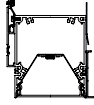


**DF VISIBLE FLANGES
WALL MOUNTING**

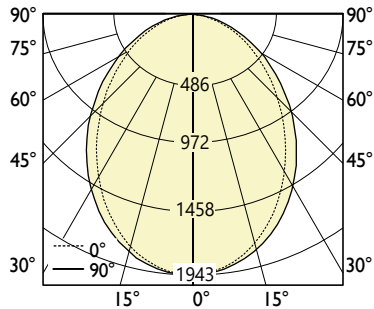
● PHOTOMETRIC DATA

SO Spotless lens - Flush

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4401 lm (for 4ft)
Input Watts: 35.3 W
Efficacy: 125 lm/W

IES FILE: BMPRLED-1100-80-35-SO-FL-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1942	1942	1942	1942	1942
5	1933	1929	1926	1924	1924
15	1832	1820	1805	1791	1787
25	1637	1619	1583	1550	1541
35	1374	1351	1300	1255	1241
45	1075	1052	1003	951	934
55	777	761	716	672	658
65	501	491	459	427	418
75	263	259	244	227	223
85	80	78	72	66	66
90	9	6	5	4	5

ZONAL LUMENS

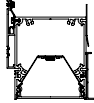
Zone	Lumens
0	
0-10	182
10-20	507
20-30	726
30-40	810
40-50	768
50-60	634
60-70	448
70-80	250
80-90	74
90	

LUMINANCE DATA (cd/m²)

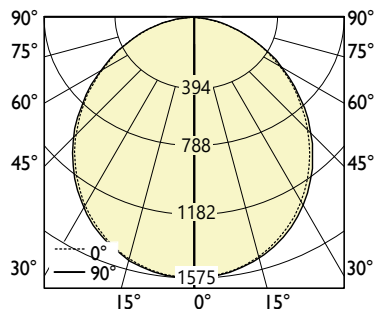
Vertical Angle	Horizontal Angles		
	0	45	90
45	14498	13531	12597
55	12924	11906	10937
65	11296	10353	9428
75	9687	8978	8221
85	8716	7862	7247

UB Ultra blend lens - Flush

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4399 lm (for 4ft)
Input Watts: 38.7 W
Efficacy: 114 lm/W

IES FILE: BMPRLED-1100-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1575	1575	1575	1575	1575
5	1569	1569	1568	1569	1569
15	1509	1507	1508	1509	1509
25	1392	1392	1392	1392	1391
35	1229	1228	1228	1224	1222
45	1026	1027	1025	1018	1015
55	795	798	794	786	785
65	546	550	547	542	541
75	301	305	307	305	304
85	95	95	94	91	91
90	8	5	4	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	149
10-20	425
20-30	639
30-40	763
40-50	783
50-60	700
60-70	530
70-80	313
80-90	97
90	

LUMINANCE DATA (cd/m²)

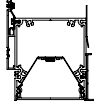
Vertical Angle	Horizontal Angles		
	0	45	90
45	13834	13823	13691
55	13224	13200	13042
65	12321	12343	12198
75	11079	11301	11216
85	10433	10286	9998

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

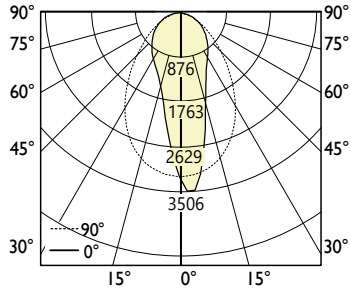
● PHOTOMETRIC DATA

GZ Graze lens - Flush

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 1000 lm/ft

Total Lumens: 4246 lm/4ft)

Input Watts: 37.28 W

Efficacy: 114 lm/W

IES FILE: BMPRLED-1000-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3204	3204	3204	3204	3204
5	3173	3405	3506	3502	3474
15	2964	3194	2574	2128	1976
25	2503	2380	1592	1315	1250
35	1857	1633	1109	994	969
45	1219	1095	814	771	764
55	746	707	576	572	576
65	425	421	367	381	392
75	197	200	182	195	203
85	39	41	40	44	42
90	2	3	2	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	279
10-20	626
20-30	744
30-40	750
40-50	673
50-60	542
60-70	380
70-80	202
80-90	49
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	17701	11826	11087
55	13348	10311	10313
65	10329	8924	9521
75	7828	7223	8067
85	4562	4741	4954

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