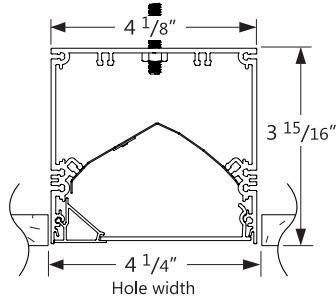
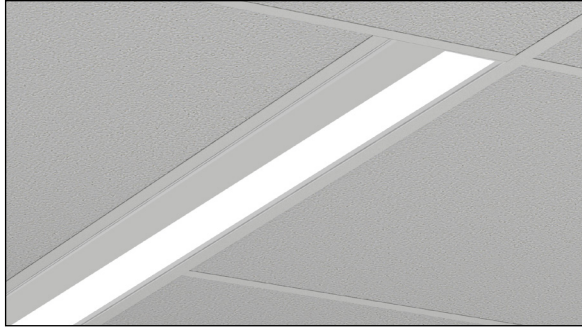


Beam 4 | Recessed Asymmetric mount



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	5.15 W/ft	97 lm/W
750 lm/ft	7.1 W/ft	96 lm/W
1000 lm/ft	10.85 W/ft	93 lm/W

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



Ordering Guide

BBRLED									ASO								
PRODUCT ID			NOM. LUMENS/FT			CRI			COLOR TEMP.			SHIELDING		LENGTH			
BBRLED	Recessed LED	400	400 lm/ft - Minimum			80	80 CRI			27	2700 K			ASO	asymmetric with SO lens	2	2'
		1000	1000 lm/ft - Maximum			90	90 CRI			30	3000 K			3		3'	
										35	3500 K			4		4'	
										40	4000 K			5		5'	
														6		6'	
														8	8'		
														12	12'		
														S(L)	system run		
			Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.									See page 2-3 for more details					

LED DOWNLIGHT INSERT (OPT.)	FINISH	VOLTAGE	DRIVER	CIRCUITS
CB21225(#) Fixed LED 1-3/4" dia 1250lm 25deg*	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
CB21234(#) Fixed LED 1-3/4" dia 1250lm 34deg*	W white	277 277 V	LT Lutron *	2 2 circuits
CB21246(#) Fixed LED 1-3/4" dia 1250lm 46deg*	BLK black	347 347 V	BI bi-level dimming	+E(#) emergency circuit *
CB20925(#) Fixed LED 1-3/4" dia 900lm 25deg*	C custom	UNV universal	O other **	+NL(#) night light circuit *
CB20934(#) Fixed LED 1-3/4" dia 900lm 34deg*		DC low voltage*	POE(#) POE drivers*	+GTD(#) generator transfer device *
CB20946(#) Fixed LED 1-3/4" dia 900lm 46deg*				+M MR
M16(#) MR halogen lamp - Line voltage (by other)**				
M16LED(#) MR16 LED lamp - Line voltage (by other)**				
M16LEDB(#) MR16 LED lamp - Dimmable (provided)***				
*Available in 3000K. Consult factory for other CCT's; see page 4. **Specify quantity; Line wattage only; Separate circuits included. ***Consult factory; See page 3 for more details; MR16 constant current for 0-10V & DALI only. Available in 3000K or 4000K.		* Only available with POE drivers.	* Specify system ** Please consult factory; see page 2	* Specify quantity

MOUNTING	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 tegular 9/16" TG15 tegular 15/16" DF drywall flange D drywall flangeless DB slip-through bracket DS drywall spackle flange	B(#) battery pack 4' sections Not available with 347V Please consult factory	F fuse * EF end feed FW(#) flex whip (6' std) CP Chicago plenum HD hold down clip ** * Requires 120V or 277V ** Only available for t-bar mounting	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) Enlighted integral * ENR(#) Enlighted remote ** WC(#) wireless control dimming * For flush option only; Please consult factory ** Please consult factory. Specify quantity. Requires 8" blank. See integrated controls guide for more details.	C custom Please specify

Beam 4 | Recessed Asymmetric mount

● CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) up to 70% recycled content
End Cap	Sheet steel (18 gauge)
Interior Brackets	Die formed sheet steel (18 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Blank	Extruded aluminum (0.075" nominal)
Lens	Spotless acrylic lens
T-Bar Bracket	Die formed sheet steel (16 gauge)
Screw Slot T-Bar Bracket	Die formed sheet steel (16 gauge)
Slip-Through Bracket	Die formed sheet steel (18 gauge)
Spackle Flange	Die formed perforated sheet steel (20 gauge)
Flange	Extruded aluminum (0.075" nominal) visible flange width: 9/16"

● ELECTRICAL

Lutron driver*	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory) *Consult factory
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.
Flex Whip	Shipped in a separate box for contractors to install

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

● SYSTEM (S#)

BEAM4 LED linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM4 LED that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination 4', 8' and/or 12' sections to be assembled on site using our joining system. For more information on systems and joining, please refer to the BEAM installation sheets available for download at www.axislighting.com.

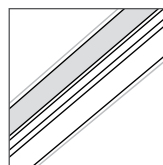
● WEIGHT

Recessed Asymmetric 4 ft	14.5 lbs / 6.6 kg
Recessed Asymmetric 8 ft	29.0 lbs / 13.2 kg
Recessed Asymmetric 12 ft	43.5 lbs / 19.7 kg

● WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

● OPTICS

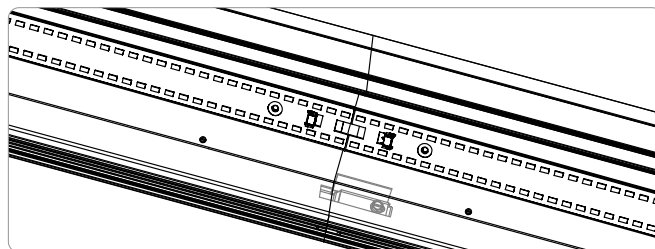
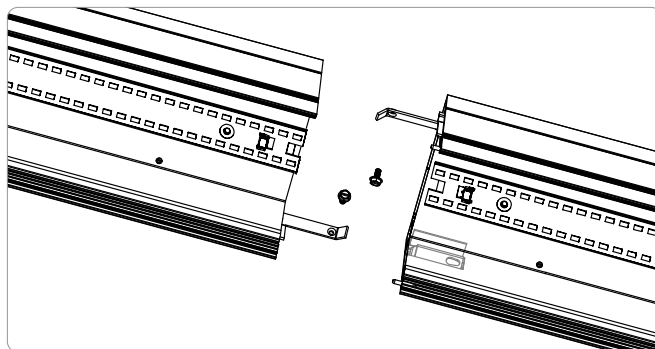


ASO asymmetric
with SO lens

ASYMMETRIC WITH SPOTLESS LENS
(acrylic snap-in lens) spotless: 85% trans.

● JOINERS

In order to allow very long runs of BEAM4 LED luminaires, Axis has developed a number of different joining systems. Special care has been taken to maximize the performance of the joiner for each BEAM4 LED option.



JOINER SYSTEM

NOTE: Hang each system segment individually.
Do not assemble system prior to hanging.

● FINISHES

Powder coated and custom finishes are also available.

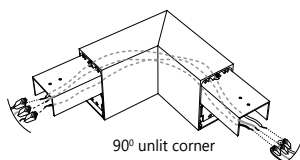
● APPROVALS

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

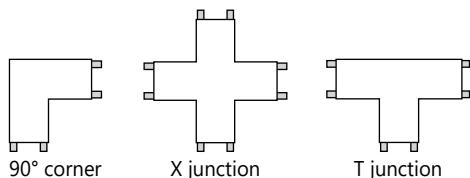
Beam 4 | Recessed Asymmetric mount

● CORNERS

Unlit Corners - BEAM4 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.

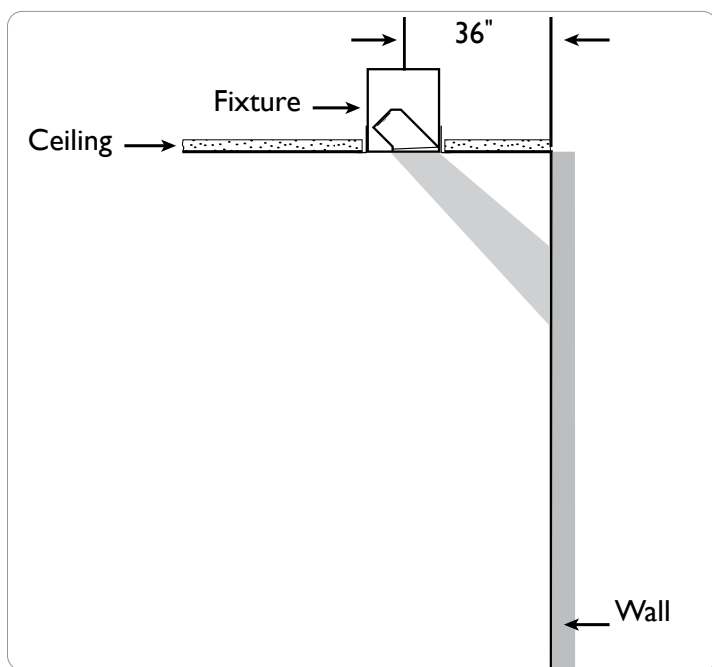


90° unlit corner



i For custom corner angles, please consult factory. Specifications sheets for all corners are available at: www.axislighting.com

● LIGHT WASH



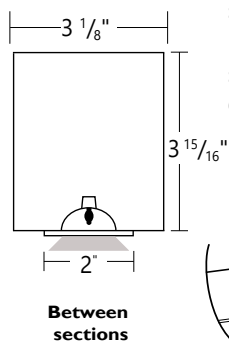
NOTE: Recommended distance from the wall - 3 to 4ft.

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.5-step MacAdam ellipse).
LED life	Minimum 50,000h with 70% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal management	Aluminium housing acting as the heat sink to maximize life.

● MR16 LED LAMPS

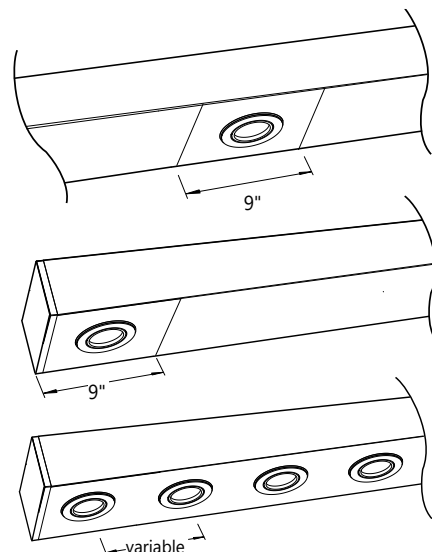
Blank	Extruded aluminum (0.075" nominal)
MR16 Halogens	Adjustable halogen lamp 35W / 50W (by others)
MR16 LED	Adjustable LED lamp (provided)
MR16 LEDB	Constant current LED lamp (provided)- Dimmable by control system for 0-10V & DALI only
Quantity	For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.
Spacing	Each MR16 is placed centered on a blank section 9" in length. Within a given section length, a series of downlights will be spaced evenly on a longer blank section. Custom spacing available on special request.



Between sections

At luminaire ends

Several in a long blank section



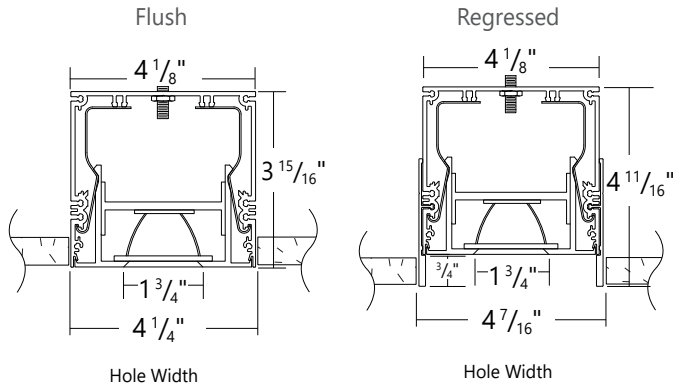
Base Type	GU 5.3
Beam Angle	40 nominal degrees
Input Watts	6W
Nominal Lumens	300 lumens
Efficacy	50 lumens per watt
Color Rendering Index (CRI)	85
Center Beam Candle Power (CBCP)	584 candelas
Life	25,000 hours at L ₇₀
Correlated color temperature (CCT)	3000K, 4000K
Adjustability	15° tilt

i More options are available upon request. Please consult factory.

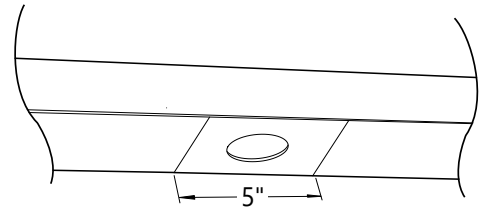
Beam 4 | Recessed Asymmetric mount

● LED DOWNLIGHT INSERT

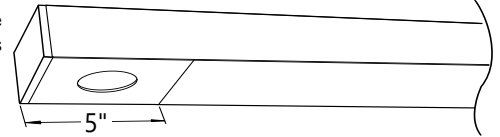
Blank Extruded aluminum (0.075" nominal)
CB2 1-3/4" diameter fixed, 900 or 1250 lumen, 25°, 34°, 46°; 3000K, R9=70, CRI=90, 3 Macadam Ellipse
Quantity Allow minimum 1ft distance between multiple units.



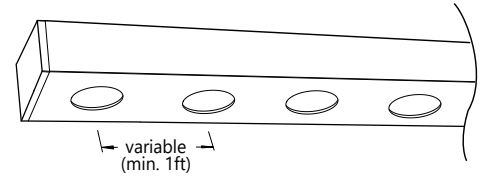
Between LED lensed sections



At luminaire ends



Several in a long blank section



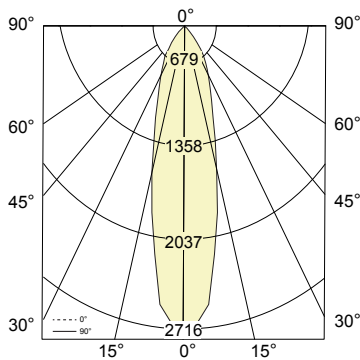
PERFORMANCE

	LUMENS	WATTS	EFFICACY
CB209	950	12.9 W/ft	73 lm/W
CB212	1270	17.8 W/ft	71 lm/W

● PHOTOMETRIC DATA FOR LED DOWNLIGHT INSERT

CB20925#
Fixed LED 1-3/4" diameter 900lm
25deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 929 lm
INPUT WATTS: 13 W
EFFICACY: 72 lm/W
CRI: 90

IES FILE: CB20925.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2716	2716	2716	2716	2716	16
5	2498	2498	2498	2498	2498	119
15	1059	1059	1059	1059	1059	150
25	510	510	510	510	510	118
35	251	251	251	251	251	79
45	28	28	28	28	28	11
55	0	0	0	0	0	0
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	1	1	1	1	1	0

CB21225#

Fixed LED 1-3/4" diameter 1250lm 25deg

ACTUAL LUMEN: 1273 lm
INPUT WATTS: 18 W
EFFICACY: 72 lm/W
CRI: 90

IES FILE: CB21225.ies

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

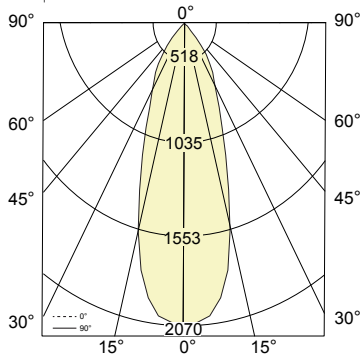
Beam 4 | Recessed Asymmetric mount

● PHOTOMETRIC DATA FOR LED DOWNLIGHT INSERT

CB20934#

Fixed LED 1-3/4" diameter 900lm 34deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 943 lm
INPUT WATTS: 13 W
EFFICACY: 73 lm/W
CRI: 90

IES FILE: CB20934.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2070	2070	2070	2070	2070	12
5	2012	2012	2012	2012	2012	96
15	1181	1181	1181	1181	1181	168
25	522	522	522	522	522	121
35	259	259	259	259	259	81
45	28	28	28	28	28	11
55	0	0	0	0	0	0
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	0	0	0	0	0	0

CB21234#

Fixed LED 1-3/4" diameter 1250lm 34deg

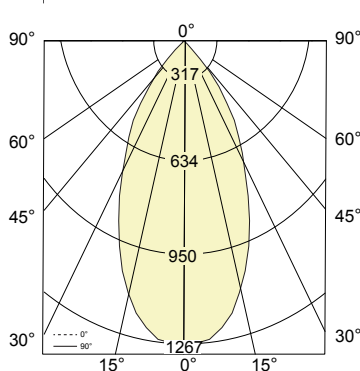
ACTUAL LUMEN: 1292 lm
INPUT WATTS: 18 W
EFFICACY: 73 lm/W
CRI: 90

IES FILE: CB21234.ies

CB20946#

Fixed LED 1-3/4" diameter 900lm 46deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 914 lm
INPUT WATTS: 13 W
EFFICACY: 71 lm/W
CRI: 90

IES FILE: CB20946.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1267	1267	1267	1267	1267	8
5	1250	1250	1250	1250	1250	60
15	993	993	993	993	993	141
25	608	608	608	608	608	141
35	317	317	317	317	317	100
45	49	49	49	49	49	19
55	3	3	3	3	3	1
65	0	0	0	0	0	0
75	0	0	0	0	0	0
85	0	0	0	0	0	0
90	0	0	0	0	0	0

CB21246#

Fixed LED 1-3/4" diameter 1250lm 46deg

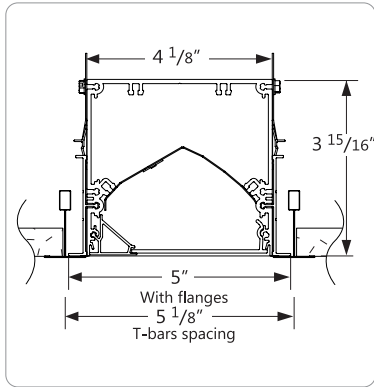
ACTUAL LUMEN: 1252 lm
INPUT WATTS: 18 W
EFFICACY: 71 lm/W
CRI: 90

IES FILE: CB21246.ies

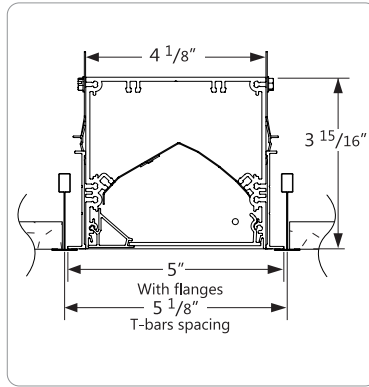
i All IES files are available for download at: www.axislighting.com

Beam 4 | Recessed Asymmetric mount

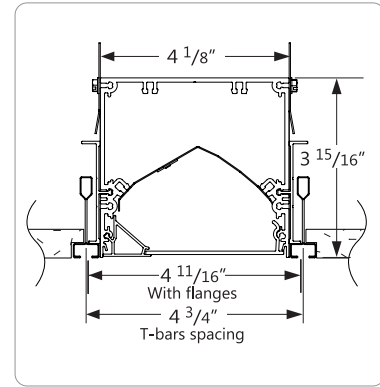
● TB CEILING MOUNTING OPTIONS



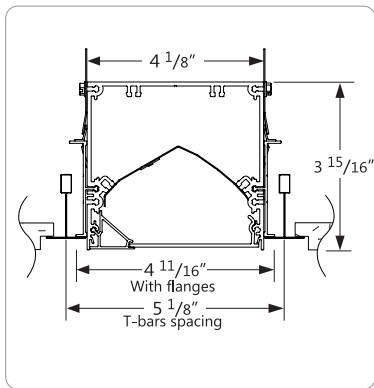
TB15 15/16" T-BAR



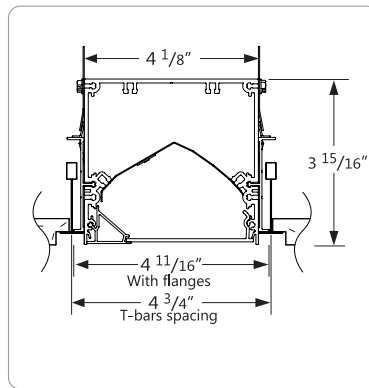
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

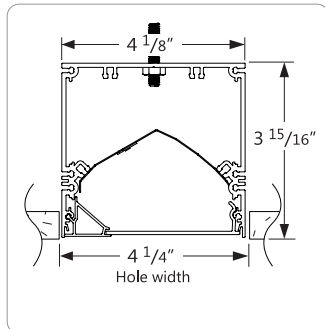


TG15 15/16" TEGULAR

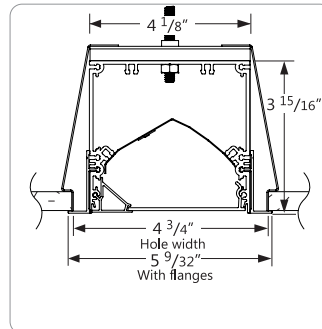


TG9 9/16" T-TEGULAR

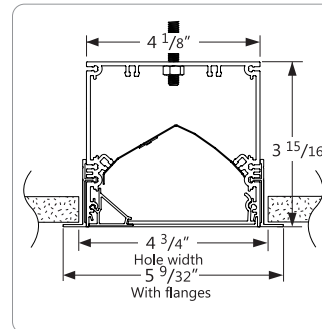
● DRYWALL CEILING MOUNTING OPTIONS



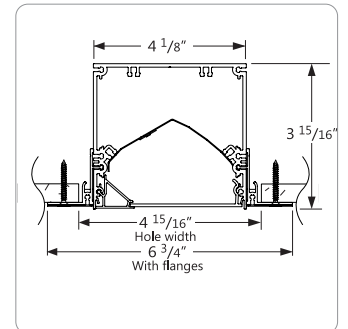
D FLANGELESS WITH 1/4-20 STUD MOUNTING



DB VISIBLE FLANGES WITH SLIP-THROUGH BRACKET



DF VISIBLE FLANGES WITH 1/4-20 STUD MOUNTING



DS SPACKLE FLANGES

● OTHER MOUNTING OPTIONS

BEAM 4 LED is also available with pendant, surface, wall and recessed wall mounted options.

i Specification sheets and installation sheets for all mountings for BEAM luminaires are available for download at www.axislighting.com

Beam 4 | Recessed Asymmetric mount

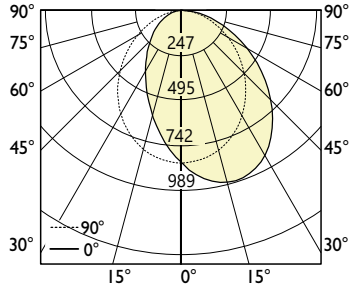
● PHOTOMETRIC DATA - ASYMMETRIC DIRECT

ASO Asy. Spotless Lens - Down

Downlight
500 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 524 lm/ft
Total Lumens: 2096 lm/4ft)
Input Watts: 22.03 W
Efficacy: 95 lm/W

IES FILE: TB4LED-500-80-30-ASO-4 .IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	846	846	846	846	846
5	915	911	897	867	839
15	986	972	932	872	798
25	965	949	901	821	719
35	860	846	801	719	611
45	694	686	653	581	484
55	508	502	479	428	353
65	324	321	308	277	228
75	164	164	159	144	120
85	36	37	39	38	34
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	80
10-20	225
20-30	331
30-40	381
40-50	372
50-60	315
60-70	227
70-80	128
80-90	37
90	0

LUMINANCE DATA (cd/m²)

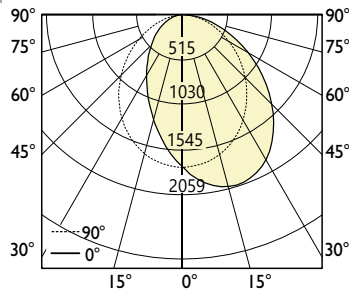
Vertical Angle	Horizontal Angles		
	0	45	90
45	10871	10226	7583
55	9798	9254	6821
65	8480	8078	5982
75	7030	6809	5125
85	4622	4976	4276

ASO Asy. Spotless Lens - Down

Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 1110 lm/ft
Total Lumens: 4441 lm/4ft)
Input Watts: 44.28 W
Efficacy: 100 lm/W

IES FILE: TB4LED-1000-80-30-ASO-4 .IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1901	1901	1901	1901	1901
5	1890	1844	1808	1782	1775
15	1789	1666	1560	1487	1463
25	1600	1428	1280	1181	1148
35	1346	1165	1010	910	877
45	1059	900	768	683	657
55	769	650	553	492	474
65	498	421	361	324	314
75	257	220	194	178	174
85	73	62	56	53	53
90	3	2	2	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	179
10-20	499
20-30	722
30-40	816
40-50	783
50-60	653
60-70	463
70-80	254
80-90	72
90	0

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	16354	11862	10150
55	14654	10532	9020
65	12876	9334	8114
75	10856	8180	7360
85	9124	7008	6627

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