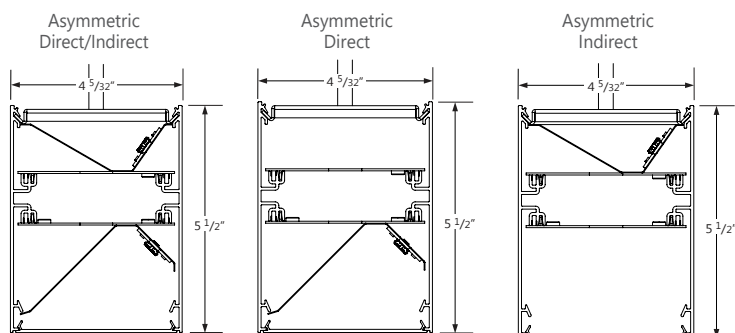


Project _____

Type _____

Notes _____



PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT		INPUT WATTS	EFFICACY
UP	DOWN		
650 lm/ft	400 lm/ft	8.7 w/ft	119 lm/w

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



Ordering Guide

PRODUCT ID	NOM. LUMENS/FT UP	NOM. LUMENS/FT DOWN	CRI	COLOR TEMP.	ASO	SHIELDING	LENGTH
BBDILED Pendant Direct/Indirect	400 400 lm/ft - Minimum	400 400 lm/ft	80 80 CRI	30 3000 K	ASO asymmetric with SO lens		2 2'
BBDLED Pendant Direct LED	750 750 lm/ft - Maximum	500 500 lm/ft	90 90 CRI	35 3500 K			3 3'
BBILED Pendant Indirect LED		750 750 lm/ft		40 4000 K			4 4'
							5 5'
							6 6'
							8 8'
							12 12'
							S# system run
Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.			Applies to both UP & DOWN.	Applies to both UP & DOWN.			

MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER	CIRCUITS
M16(#) MR16 halogen lamp - Line voltage (by other) ⁽¹⁾	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit ⁽⁷⁾
M16LED(#) MR16 LED lamp - Line voltage (by other) ⁽¹⁾	W white	277 277 V	D dimming (0-10V) 5% 347V standard ⁽⁴⁾	2 2 circuits ⁽⁸⁾
M16LEDB(#) MR16 LED lamp - Dimmable (provided) ⁽²⁾	BLK black	347 347 V ⁽³⁾	LT Lutron ⁽⁵⁾	+E(#) emergency circuit ⁽⁹⁾
	C custom	UNV universal	BI bi-level dimming	+NL(#) night light circuit ⁽⁹⁾
			O other ⁽⁶⁾	+GTD(#) generator transfer device ⁽⁹⁾
				+M MR
⁽¹⁾ Specify quantity; Line wattage only; Separate circuits included		Applies to both UP & DOWN.		⁽⁷⁾ Control UP & DOWN lights together
⁽²⁾ Consult factory; See page 3 for more details. MR16 constant current for 0-10V & DALI only		⁽³⁾ D dimming (0-10V) 5% standard		⁽⁸⁾ Control UP & DOWN lights separately
		⁽⁴⁾ For 347V only		⁽⁹⁾ Specify quantity
		⁽⁵⁾ Specify system		
		⁽⁶⁾ Please consult factory; see page 2		

MOUNTING/SUSPENSION	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
CA(#) drywall+cable length (36" std.)	B# battery pack 4' sections	F fuse ⁽¹⁰⁾	DS# daylight sensor	C custom
CT9(#) TB/TG 9/16+cable length (36" std.)		D dust cover	OS# occupancy sensor	
CT15(#) TB/TG15/16+cable length (36" std.)			DOS# daylight & occupancy sensor	
CTS(#) ST+cable length (36" std.)			EN# Enlighted integral ⁽¹¹⁾	
SA(#) drywall+stem length >48" (18" std.)			ENR# Enlighted remote ⁽¹¹⁾	
+SM seismic option			WC# wireless control dimming	
	Not available with 347V Please consult factory	⁽¹⁰⁾ Requires 120V or 277V	⁽¹¹⁾ Please consult factory Specify quantity. Requires 8" blank. See integrated controls guide for more details.	Please specify

● SPECIFICATIONS

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 frosted acrylic lens
Hanger	Die formed sheet steel (16 gauge)
Suspension	Aircraft cable or Ø 1/2" stem
Cable Grips	Quick connecting / release

● ELECTRICAL


Lutron driver*	L3D - Hi-Lume A-Series EcoSystem 3-Wire Control (1%) LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) *Consult factory
Other drivers	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.

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

● 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.

● APPROVALS

Certified to UL and CSA standards 
Meets NYC requirements
Suitable for damp locations.

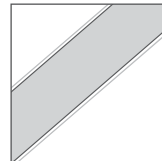
● SYSTEM (S#)

BEAM 4 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 BEAM 4 LED that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of 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.

● FINISHES

Powder coated and custom finishes are also available.

● OPTICS



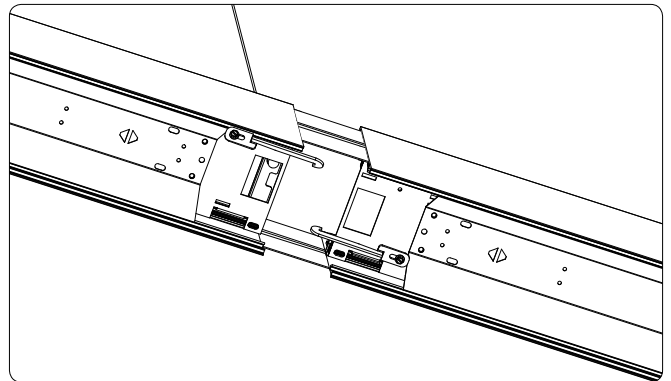
50 spotless lens

SPOTLESS LENS

Frosted acrylic snap-in lens with micro lens

● JOINERS

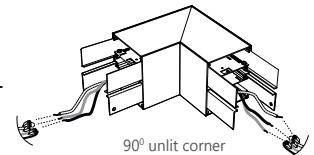
In order to allow very long runs of BEAM 4 LED luminaires, Axis has developed an effective joining system. Special care has been taken to maximize the performance of the joiner for each BEAM option.



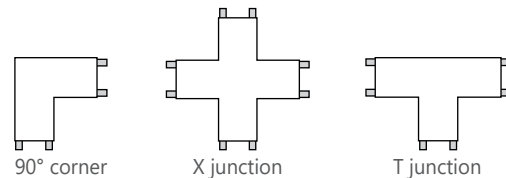
NOTE: Hang each system segment individually. Do not assemble system prior to hanging.

● CORNERS

Unlit Corners - BEAM 4 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



90° unlit corner

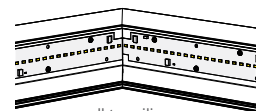


90° corner

X junction

T junction

Lit Corners - Axis also offers lit 90° corners including ceiling to ceiling, wall to ceiling and ceiling to wall.



wall to ceiling
lit corner

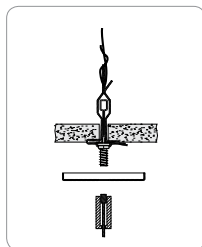
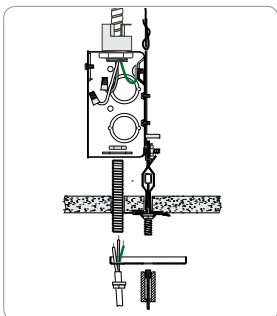
i For custom corner angles, please consult factory. Specifications sheets for all corners are available at: www.axislighting.com

● WEIGHT

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

● MOUNTING OPTIONS

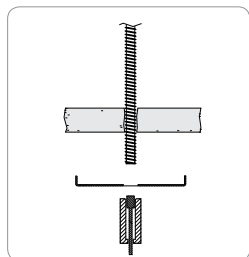
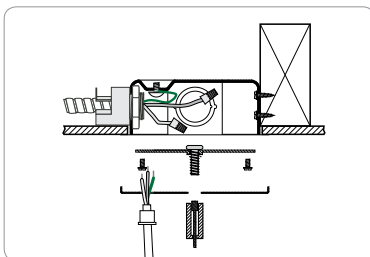
CT TILE CEILING - ON GRID



Non power feed

Power feed

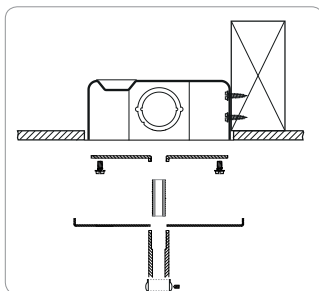
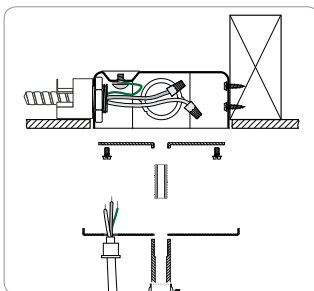
CA DRYWALL CEILING



Power feed

Non power feed

SA STEM MOUNT IN DRYWALL CEILING

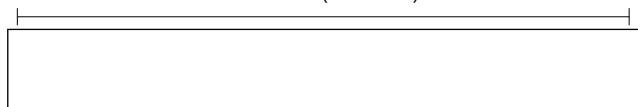


Power feed

Non power feed

● MOUNTING SPACING END TO END

- BEAM4 LED 4' (48" C.C.)
- BEAM4 LED 8' (96" C.C.)
- BEAM4 LED 12' (144" C.C.)



i Row configuration and mounting spacing file is available for download at: www.axislighting.com

● OTHER MOUNTING OPTIONS

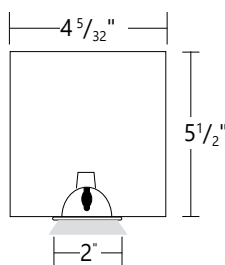
BEAM 4 LED is also available with recessed, surface, wall, wall vertical, recessed asymmetric and recessed vertical mounted options.

i Specification sheets and installation sheets for all mountings for BEAM 4 LED luminaires are available for download at www.axislighting.com

● MR16 LED LAMPS

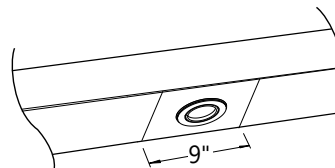
- Blank** Extruded aluminum (0.075" nominal)
- MR16 Halogens** Adjustable halogen lamp 35W / 50W (by others) - **Line voltage dimming only**
- MR16 LED** Adjustable LED lamp (provided)- **Line voltage dimming only**
- MR16 LEDB** Constant current LED lamp (provided)- **Dimmable by control system for 0-10V DALI only**
- Quantity** For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.

Spacing

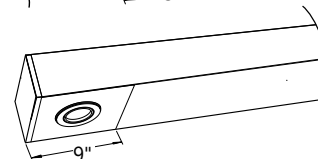


Each MR16 LED lamp is placed centered on a blank section 9" in length. For a series of MR16's within a given section length, they will be spaced evenly on a longer blank section. The directed light of MR16 LED lamps are fixed downward. Custom spacing may be available on special request.

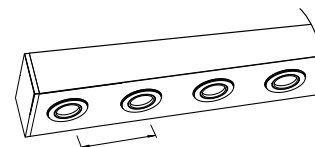
Between sections



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 L₇₀
- Correlated color temperature (CCT)** 2700K

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

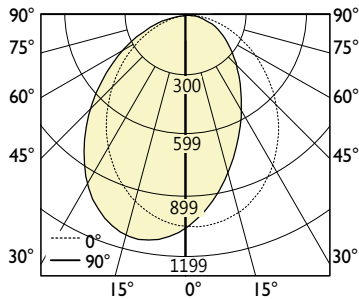
PHOTOMETRIC DATA

400 lm/ft

With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 400 lm/ft
Input Watts: 3.7 W/ft
Efficacy: 109 lm/W
 IES FILE: BBDLED-400-80-35-ASO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	695	695	695	695	695
5	645	649	660	676	695
15	525	536	567	613	667
25	404	420	462	527	604
35	302	318	361	430	514
45	222	235	272	333	409
55	159	168	196	243	302
65	107	112	130	161	200
75	60	64	73	90	113
85	21	22	27	33	39
90	3	4	7	10	12

ZONAL LUMENS

Zone	Lumens
0	
0-10	65
10-20	182
20-30	264
30-40	298
40-50	286
50-60	239
60-70	172
70-80	99
80-90	33
90	

LUMINANCE DATA (cd/m²)

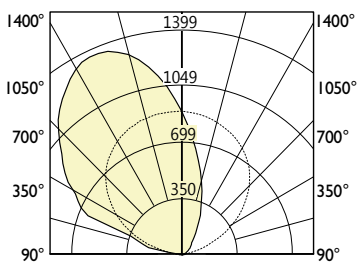
Vertical Angle	Horizontal Angles		
	0	45	90
45	2858	3501	5265
55	2523	3110	4793
65	2304	2800	4308
75	2110	2567	3974
85	2193	2820	4073

650 lm/ft

With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 650 lm/ft
Input Watts: 5 W/ft
Efficacy: 127 lm/W
 IES FILE: BBILED-650-80-35-ASO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	941	941	941	941	941
5	1107	1098	1060	1004	941
15	1361	1344	1258	1113	923
25	1430	1428	1349	1171	883
35	1324	1330	1303	1153	812
45	1144	1149	1124	1054	705
55	936	921	889	846	559
65	729	691	625	566	380
75	262	248	281	278	176
85	2	3	4	37	24
90	0	1	1	2	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	89
10-20	258
20-30	393
30-40	465
40-50	470
50-60	414
60-70	302
70-80	129
80-90	18
90	

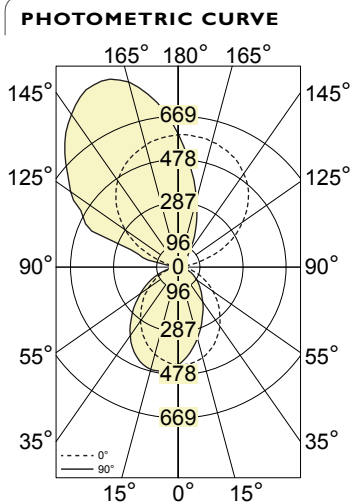
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	14728	14470	9076
55	14855	14109	8872
65	15703	13463	8185
75	9215	9883	6190
85	208	417	2506

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

PHOTOMETRIC DATA

650/400 lm/ft
With ASO lens



Luminaire Lumens: 650 lm/ft up
400 lm/ft down

Input Watts: 8.7 W/ft
Efficacy: 119 lm/W

IES FILE: BBDILED-650-400-80-35-ASO.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	695	695	695	695	695
5	645	649	660	676	695
15	525	536	567	613	667
25	404	420	462	527	604
35	302	318	361	430	514
45	222	235	272	333	409
55	159	168	196	243	302
65	107	112	130	161	200
75	60	64	73	90	113
85	21	22	27	33	39
90	3	4	7	10	12
95	11	17	14	11	24
105	19	20	21	41	176
115	28	35	47	95	380
125	53	63	82	195	559
135	87	92	151	324	705
145	140	190	275	465	812
155	287	342	432	613	883
165	497	548	624	753	923
175	776	801	833	880	941
180	941	941	941	941	941

ZONAL LUMENS

Zone	Lumens
0	
0-10	65
10-20	182
20-30	264
30-40	298
40-50	286
50-60	239
60-70	172
70-80	99
80-90	33
90	0
90-100	18
100-110	129
110-120	302
120-130	414
130-140	470
140-150	465
150-160	393
160-170	258
170-180	89
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	2858	3501	5265
55	2523	3110	4793
65	2304	2800	4308
75	2110	2567	3974
85	2193	2820	4073

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