

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	4.5 W/ft	110 lm/W
600 lm/ft	5.5 W/ft	109 lm/W
750 lm/ft	6.9 W/ft	106 lm/W
1000 lm/ft	9.4 W/ft	108 lm/W

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



Ordering Guide

BMSLED					ASO						
PRODUCT ID		NOM. LUMENS/FT		CRI		COLOR TEMP.		SHIELDING		LENGTH	
BMSLED	Surface 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#	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		FINISH		VOLTAGE		DRIVER		CIRCUITS		
M16(#)	MR halogen lamp - Line voltage (by other) ⁽¹⁾	AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	
M16LED(#)	MR 16 LED lamp - Line voltage (by other) ⁽¹⁾	W	white	277	277 V	LT	Lutron ⁽³⁾	2	2 circuits	
M16LEDB(#)	MR 16 LED lamp - Dimmable (provided) ⁽²⁾	BLK	black	347	347 V	BI	bi-level dimming	+E(#)	emergency circuit ⁽⁵⁾	
		C	custom	UNV	universal	O	other ⁽⁴⁾	+NL(#)	night light circuit ⁽⁵⁾	
								+GTD(#)	generator transfer device ⁽⁵⁾	
								+M	MR	
(1) Add 9" per lamp. Specify quantity. Separate circuits included						(3) Specify system			(5) Specify quantity	
(2) Requires 120V or 277V.						(4) Please consult factory; see page 2				

MOUNTING		BATTERY (OPTIONAL)		OTHER (OPTIONAL)		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)		
SB9	surface TB/TG 9/16	B#	battery pack 4' sections	F	fuse ⁽⁶⁾	DS#	daylight sensor	C	custom	
SB15	surface TB/TG 15/16					OS#	occupancy sensor			
SBS	surface screw slot t-bar					DOS#	daylight & occupancy sensor			
S	surface drywall ceiling					EN#	Enlighted integral			
SC	surface solid ceiling					ENR#	Enlighted remote ⁽⁷⁾			
						WC#	wireless control dimming			
Not available with 347V Please consult factory				(6) Requires 120V or 277V		(7) 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 acrylic lens

● ELECTRICAL

Lutron driver*	LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) <small>*Consult factory</small>
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.

● FINISH

Powder coated and custom finishes are also available.

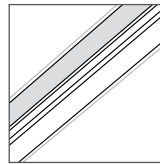
● WEIGHT

Surface Asymmetric 4 ft	12.3 lbs / 5.0 kg
Surface Asymmetric 8 ft	24.6 lbs / 10.1 kg
Surface Asymmetric 12 ft	36.9 lbs / 15.1 kg

● 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.

● OPTICS



ASO asymmetric with SO lens

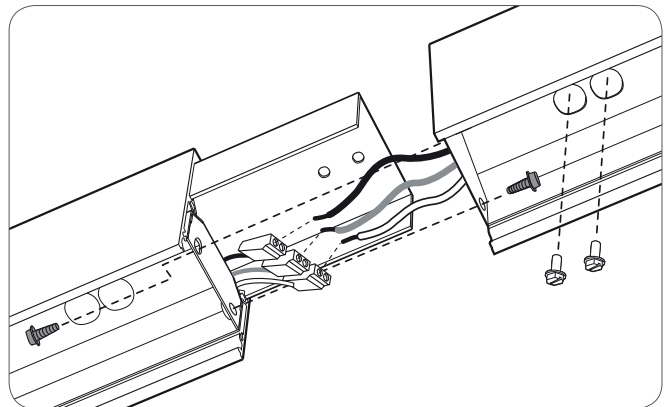
ASYMMETRIC WITH SPOTLESS LENS
PMMA Acrylic lay-in lens spotless: 85% trans.

● SYSTEM (S#)

BEAM 3 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 3 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.

● JOINERS

In order to allow very long runs of BEAM 3 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 BEAM option.



NOTE: Mount each system segment individually. Do not assemble system prior to mounting.

i Allow a minimum of 6" between end of long runs and vertical wall

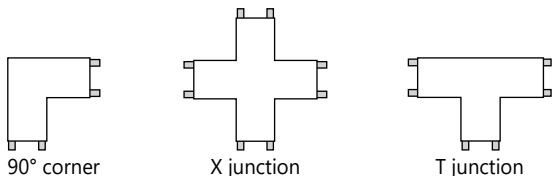
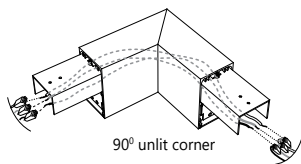
● APPROVALS

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

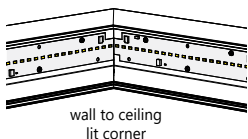


● CORNERS

Unlit Corners - BEAM 3 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



Lit Corners - In addition Axis offers Lit 90° Corners including Ceiling to Ceiling, Wall to Ceiling and Ceiling to Wall.



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

● 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.

● OTHER MOUNTING OPTIONS

BEAM 3 LED is also available with pendant, recessed, wall, wall vertical, recessed asymmetric and recessed vertical mounted options.

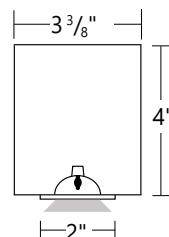
i Specification sheets and Installation sheets for all mounting for BEAM luminaires are available for download at www.axislighting.com

● MR16 LED LAMPS

Blank MR16 LED Quantity

Extruded aluminum (0.075" nominal) 2.0" diameter
For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.

Spacing



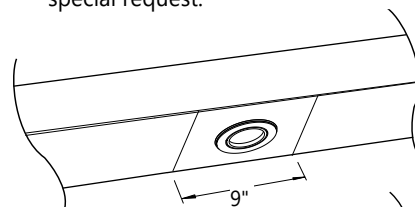
Each MR16 LED lamp is placed centered on a blank section 9" in length.

For a series of MR16's within a given section length, they will be spaced evenly on a longer blank section.

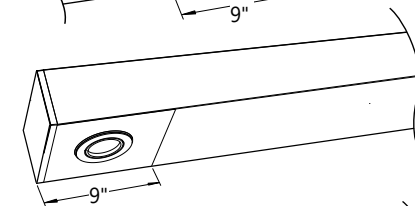
The directed light of MR16 LED lamps are fixed downward.

Custom spacing may be available on special request.

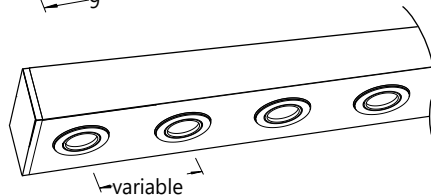
Between fluorescent lamps sections



At luminaire ends



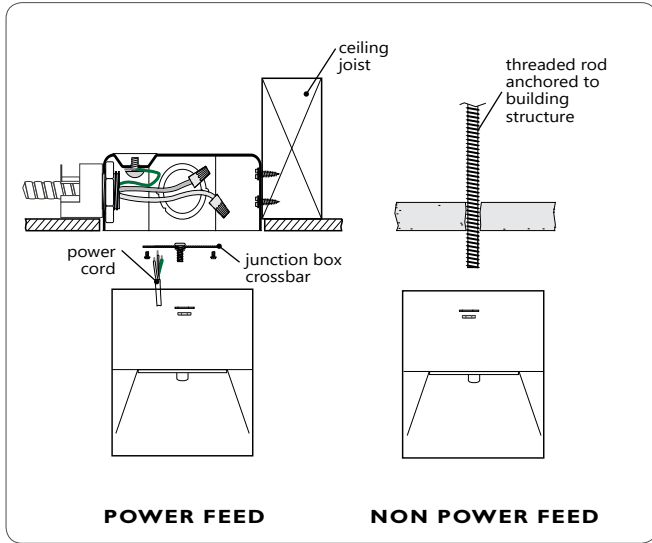
Several in a long blank section



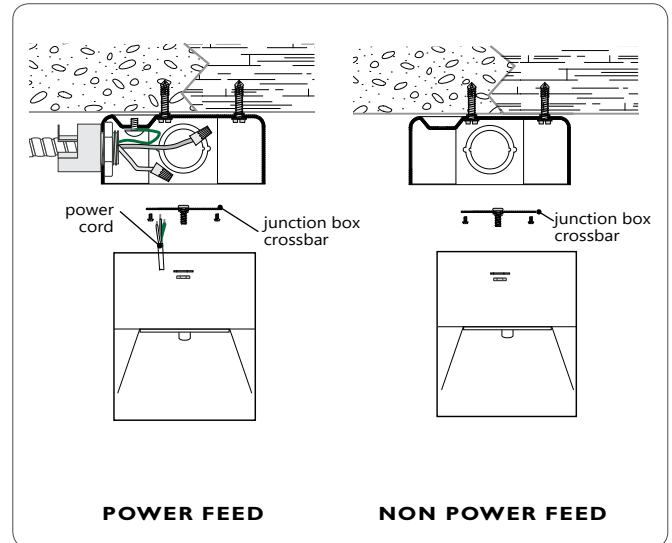
Base Type	GU 5.3
Beam Angle	40 nominal degrees
Input Watts	6W
Numinal Lumens	300 lumens
Efficacy	50 lumens per watt
Color Rendering Index (CRI)	85
Central Beam Candle Power (CBCP)	584 candelas
Life	25,000 hours at L ₇₀
Correlated color temperature (CCT)	2700K

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

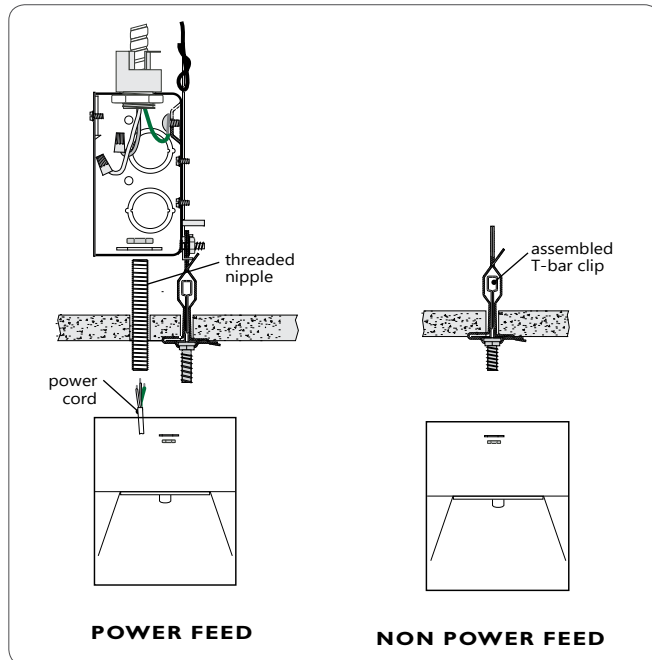
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING



SC SURFACE MOUNT SOLID CEILING



SB SURFACE MOUNT T-BAR CEILING

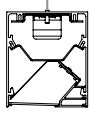
● OTHER MOUNTING OPTIONS

BEAM 3 LED is also available with recessed, pendant, wall and recessed wall mounted options.

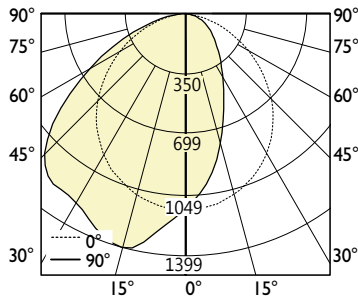
- i** Specification sheets and installation sheets for all mountings for BEAM 3 LED luminaires are available for download at www.axislighting.com

PHOTOMETRIC DATA

1000 lm/ft
With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 1000 lm/ft
Input Watts: 9.4 W/ft
Efficacy: 106 lm/W

IES FILE: BMSLED-1000-80-35-ASO.IES
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1557	1557	1557	1557	1557
5	1434	1439	1469	1505	1552
15	1092	1128	1228	1356	1490
25	745	784	920	1155	1376
35	520	553	665	905	1205
45	369	396	485	672	984
55	266	283	347	477	726
65	186	196	231	309	460
75	107	111	126	157	220
85	37	38	38	37	41
90	2	2	2	1	1

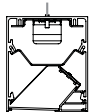
ZONAL LUMENS

Zone	Lumens
0	
0-10	147
10-20	423
20-30	617
30-40	719
40-50	739
50-60	636
60-70	439
70-80	222
80-90	51
90	

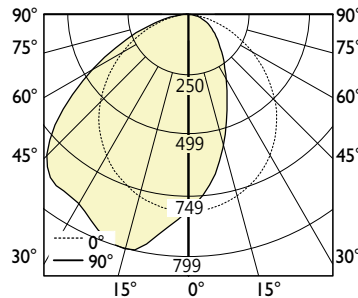
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8551	11239	22803
55	7599	9913	20741
65	7211	8956	17835
75	6774	7977	13928
85	6956	7144	7708

750 lm/ft
With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 750 lm/ft
Input Watts: 6.9 W/ft
Efficacy: 27 lm/W

IES FILE: BMSLED-750-80-35-ASO.IES
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1167	1167	1167	1167	1167
5	1076	1079	1102	1129	1164
15	819	846	921	1017	1117
25	559	588	690	866	1032
35	390	415	499	679	904
45	277	297	364	504	738
55	199	212	260	358	545
65	139	147	173	232	345
75	80	83	94	118	165
85	28	28	28	28	31
90	1	1	1	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	110
10-20	317
20-30	462
30-40	539
40-50	554
50-60	477
60-70	329
70-80	166
80-90	38
90	

LUMINANCE DATA (cd/m²)

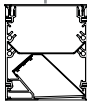
Vertical Angle	Horizontal Angles		
	0	45	90
45	6419	8435	17102
55	5685	7427	15570
65	5389	6707	13376
75	5065	5951	10446
85	5264	5264	5828

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

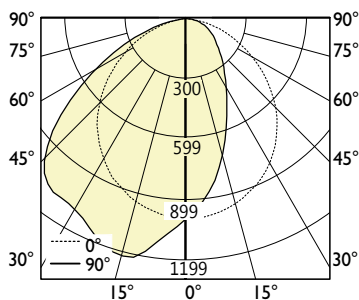
PHOTOMETRIC DATA

600 lm/ft

With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 600 lm/ft
Input Watts: 5.5 W/ft
Efficacy: 109 lm/W

IES FILE: BMSLED-600-80-35-ASO-4.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	934	934	934	934	934
5	860	863	881	903	931
15	655	677	737	813	894
25	447	470	552	693	825
35	312	332	399	543	723
45	221	237	291	403	590
55	159	170	208	286	436
65	111	117	139	185	276
75	64	67	75	94	132
85	22	23	22	22	24
90					

ZONAL LUMENS

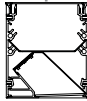
Zone	Lumens
0	
0-10	88
10-20	253
20-30	370
30-40	431
40-50	443
50-60	381
60-70	263
70-80	133
80-90	30
90	

LUMINANCE DATA (cd/m²)

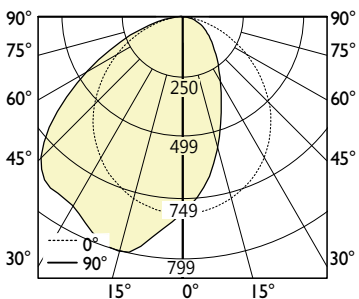
Vertical Angle	Horizontal Angles		
	0	45	90
45	5121	6743	13672
55	4542	5942	12456
65	4303	5389	10701
75	4052	4748	8357
85	4136	4136	4512

500 lm/ft

With ASO lens



PHOTOMETRIC CURVE



Luminaire Lumens: 500 lm/ft
Input Watts: 4.5 W/ft
Efficacy: 110 lm/W

IES FILE: BMSLED-500-80-35-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	778	778	778	778	778
5	717	719	734	752	776
15	546	564	614	678	745
25	372	392	460	577	688
35	260	276	332	452	602
45	184	198	242	336	492
55	133	141	173	238	363
65	93	98	115	154	230
75	53	55	63	78	110
85	18	19	19	18	20
90				0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	73
10-20	211
20-30	308
30-40	359
40-50	369
50-60	317
60-70	219
70-80	110
80-90	25
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4264	5608	11401
55	3799	4942	10370
65	3605	4458	8917
75	3355	3988	6964
85	3384	3572	3760

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