



WALL ASYMMETRIC MOUNT

PROJECT INFORMATION

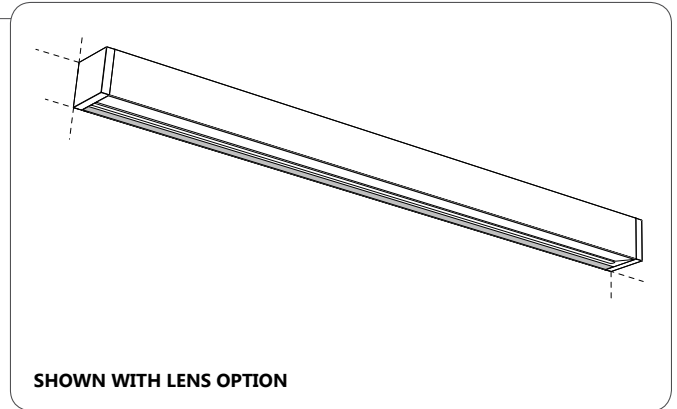
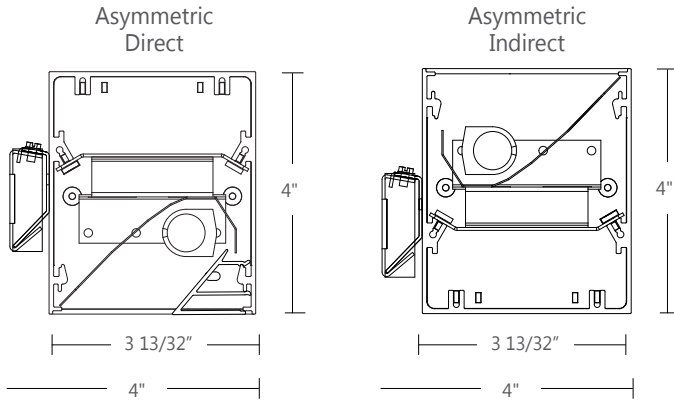
Project:

Type:

Notes:

DIMENSIONS

SECTION VIEWS



ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 OPTICS	3 LENGTH (FT)	4 SPECIFY LENGTH	5 LAMP	6 LAMP CONFIGURATION
BMWD wall direct	A asymmetric	2 2'	NL nominal (3' & 4' lamps)	T5 T5	1 1 lamp
BMWI wall indirect	AF asymmetric frosted ⁽¹⁾	3 3'	NL4 nominal (4' lamps only)	T5HO T5HO	
		4 4'	EX exact (3' & 4' lamps)		
		5 5'	EX4 exact (4' lamps only)		
		6 6'			
		8 8'			
		12 12'			
		S# System Run			

(1) For direct light distribution only

7 MR	8 FINISH	9 VOLTAGE	10 BALLAST	11 CIRCUITS	12 BATTERY (OPTIONAL)
M16# MR 16 halogen	AP aluminum paint	120 120V	D dimming	1 1 regular	B# battery pack 4' sections
M16LED# MR 16 LED	W white	277 277V	E instant start ⁽³⁾	2A/B 2 alternating	
	BLK black	347 347V ⁽²⁾	ERS program start	+E(#) emergency section	
	C custom	UNV universal	BI bi-level dimming	+NL(#) night light section	
				+GTD(#) generator transfer device	
				+M MR	

Add 9" per lamp
Requires 120V or 277V

(2) Please consult factory (3) Available with T8 lamp only

13 OTHER (OPTIONAL)	14 IC CONTROLS (OPTIONAL)	15 CUSTOM (OPTIONAL)
F fuse	DS# daylight sensor	C custom
EF end feed	OS# occupancy sensor	
	DOS# daylight&occupancy sensor	
	See integrated controls guide for further details	Please specify



● CONSTRUCTION

Housing	Extruded Aluminum (0.075" nominal) up to 70% Recycled Content
End Cap	Sheet Steel (18 ga)
Interior Brackets	Die Formed Sheet Steel (18 ga)
Reflectors	White Powder Coated Sheet Steel (22 ga)
Louvers	Die Formed Semi-Specular Aluminum (22 ga)
Blank	Extruded Aluminum (0.075" nominal)
Lenses	Extruded Acrylic (0.070" nominal) Satin: 68% trans. Frosted: 85% trans.

Wall Mount Bracket Die Formed Sheet Steel (16 gauge)

Vertical Wall Mount Bracket Die Formed Sheet Steel (18 gauge)

● WEIGHT

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

● SYSTEM (S#)

BEAM 3 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 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.

● ELECTRICAL

Ballast Electronic IS, Electronic Rapid Start, Dimming (0-10V, Line, EcoSystem, DALI), BI-level dimming
With preinstalled ballast disconnect as per NEC & CEC

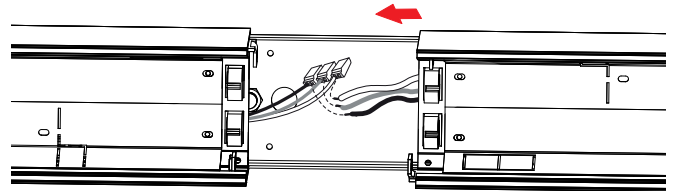
Emergency Emergency battery pack or emergency circuit

Voltage 120V, 277V, 347V, UNV

i Incorporating these components may have limitations or effect the length of the luminaire, please contact factory for more details.

● JOINERS

In order to allow very long runs of BEAM 3 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

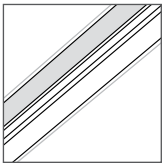
● FINISH

Aluminium paint, Powder Coated and custom finishes are also available.

● APPROVALS

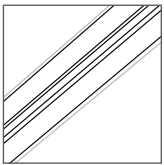
Certified to UL and CUL standards
 Meets NYC and ADA requirements
 Suitable for damp locations.

● **OPTICS**



AF asymmetric frosted

ASYMMETRIC FROSTED LENS
 (acrylic snap-in lens)
 frosted: 85% trans.



A asymmetric

ASYMMETRIC NO LENS
 (asymmetric reflector)

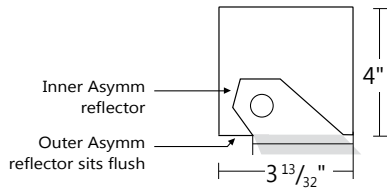
● **ASYMMETRIC**

Inner Asymmetric Reflector

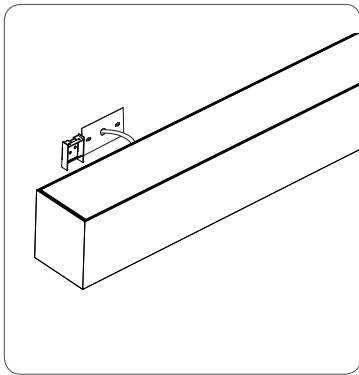
Die Formed Specular Aluminum (22 gauge)

Outer Asymmetric Reflector

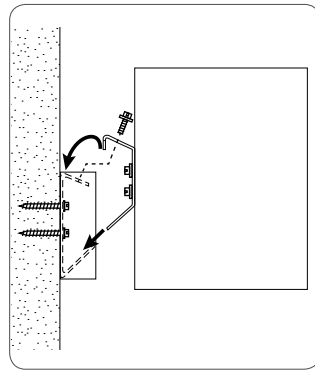
Extruded Aluminum (0.075" nominal)



● **HORIZONTAL MOUNTING DETAILS**



MOUNTING BRACKETS



SIDE VIEW

● **OTHER MOUNTING OPTIONS**

BEAM 3 is available with recessed, pendant, surface, wall, recessed wall and wall wash mounted options.

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

● **MR16**

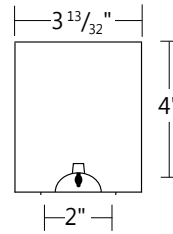
Blank MR16 Halogens MR16 LED Quantity

Extruded Aluminum (0.075" nominal)
 2.0" diameter (35W / 50W)
 2.0" diameter

For every 4' fluorescent lamp section, there may be up to a maximum of 4 x MR16 lamps.

Spacing

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

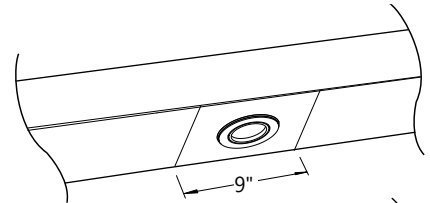


For a series of MR16's within a given section length, they will be spaced evenly on a longer blank section.

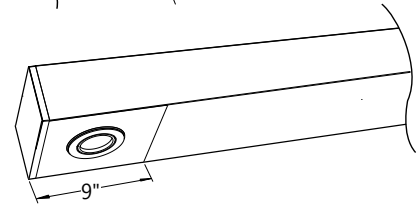
The directed light of MR16 Halogen lamps are fixed downward.

Custom spacing may be available on special request. *Please consult factory

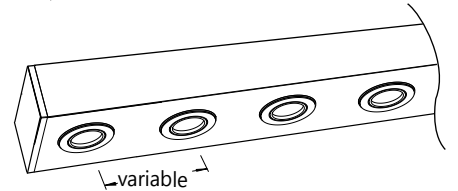
Between fluorescent lamps sections



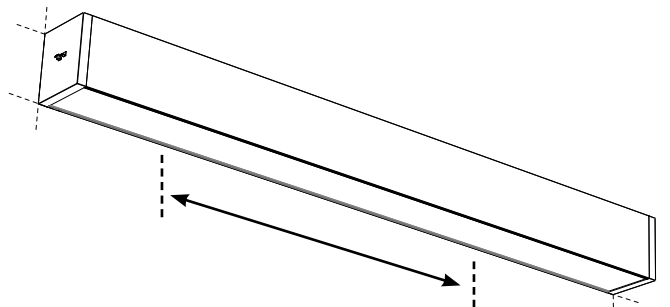
At luminaire ends



Several in a long blank section



● **MOUNTING SPACING**



END TO END

T5/T5HO

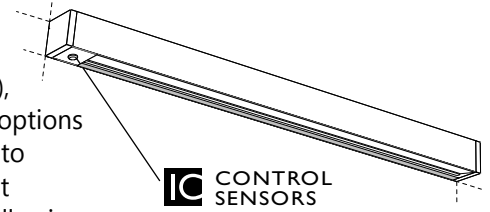
BEAM3 4' (32" C.C.)

BEAM3 8' (80" C.C.)

BEAM3 12' (112" C.C.)

NOTE: Use stud if possible for mounting

● **INTEGRATED CONTROL OPTIONS**



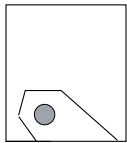
BEAM 3 luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS) and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system could be used to optimize the lighting of the space by reducing energy consumption through daylight harvesting and occupancy, thereby improving the overall interior environment and allowing for LEED credits.

- Consult factory for other options.

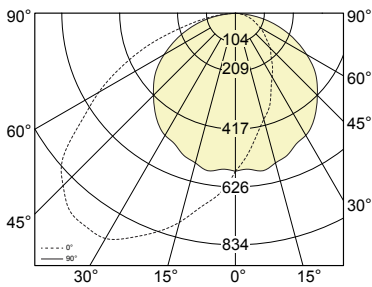
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed Rapid Start
		FM-105	High Frequency Occupancy	WH	Programmed Rapid Start
Daylight & Occupancy Sensors (DOS)	Philips	Actilume	Daylight & PIR Occupancy	PA	DALI or 0-10V

● **PHOTOMETRIC DATA**

I T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5
 IES FILE: BMD-A-4-T5-1

Efficiency: 70.3 %

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles								Zonal Lumens
	0	23	45	68	90	135	157	180	
0	569	569	569	569	569	569	569	569	
5	510	498	506	535	564	621	650	652	31
15	395	397	432	482	558	705	755	780	135
25	304	314	352	416	519	783	866	892	238
35	233	243	281	348	485	827	916	939	324
45	178	187	213	275	418	812	878	878	376
55	126	133	155	201	345	720	703	678	375
65	80	88	99	129	247	490	462	450	304
75	46	47	52	63	143	242	216	205	188
85	15	16	16	16	36	54	52	49	65
90	1	1	1	2	2	5	4	4	
95	0	0	0	0	0	0	0	0	2
105	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	1	0	0	0
145	0	0	0	0	0	1	1	1	0
155	0	0	0	0	0	0	1	1	0
165	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	84	84	84	84	82	82	82	82	78	78	78
1	76	73	69	67	74	71	68	66	68	66	63
2	69	63	58	54	67	61	57	53	59	55	52
3	62	55	49	44	61	54	48	44	51	47	43
4	57	48	42	37	55	47	41	36	45	40	36
5	52	43	36	31	51	42	36	31	40	35	31
6	48	38	32	27	47	38	31	27	36	31	27
7	44	34	28	24	43	34	28	24	33	27	23
8	41	31	25	21	40	31	25	21	30	24	21
9	38	29	23	19	37	28	22	19	27	22	18
10	36	26	21	17	35	26	20	17	25	20	17

Based on floor reflectance of 20

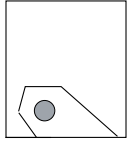
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles				
	0	23	90	135	180
45	984	1060	4189	5069	4866
55	708	770	4126	4687	3829
65	477	539	3792	3441	2673
75	296	317	3210	1908	1326
85	112	120	1594	498	358

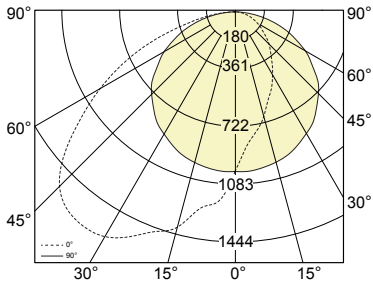
i All IES files for other lamping are available for download at: www.axislighting.com

● **PHOTOMETRIC DATA**

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO
 IES FILE: BMD-A-4-T5HO-1

Efficiency: 70.3 %

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles							Zonal Lumens
	0	23	45	68	90	135	157	
0	987	987	987	987	987	987	987	
5	833	884	895	915	989	1094	1093	31
15	678	697	742	807	965	1229	1305	135
25	530	546	611	729	912	1357	1490	238
35	403	420	490	604	838	1434	1575	324
45	303	322	369	470	728	1398	1517	376
55	211	231	268	345	585	1231	1212	375
65	143	148	172	217	423	849	790	304
75	80	81	88	109	244	426	374	188
85	27	27	27	28	63	96	88	65
90	1	1	2	3	4	9	7	
95	0	0	0	0	0	0	0	2
105	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0
135	0	0	0	0	0	1	0	0
145	0	0	0	0	0	1	1	0
155	0	0	0	0	0	1	1	0
165	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall											
0	84	84	84	84	82	82	82	82	78	78	78
1	76	73	70	67	74	71	68	66	68	66	64
2	69	63	58	54	67	62	57	53	59	55	52
3	63	55	49	44	61	54	48	44	52	47	43
4	57	48	42	37	55	47	41	37	45	40	36
5	52	43	36	31	51	42	36	31	40	35	31
6	48	38	32	27	47	38	31	27	36	31	27
7	44	35	28	24	43	34	28	24	33	27	23
8	41	31	25	21	40	31	25	21	30	25	21
9	38	29	23	19	37	28	23	19	27	22	19
10	36	26	21	17	35	26	20	17	25	20	17

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles				
	0	23	90	135	180
45	1678	1822	7302	8729	8498
55	1192	1336	6991	8013	6623
65	850	901	6495	5958	4577
75	519	540	5483	3351	2267
85	201	210	2810	895	613