



RECESSED MOUNT WITH 3" DOWNLIGHT INSERT OPTION

PROJECT INFORMATION

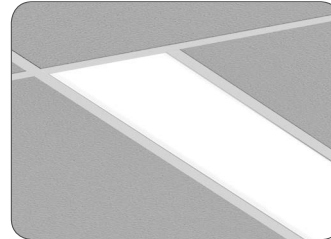
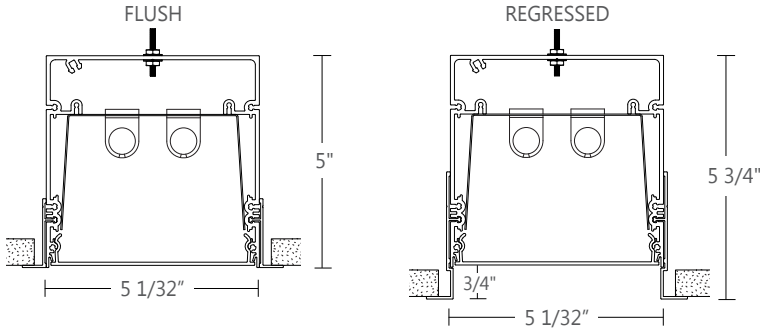
Project:

Type:

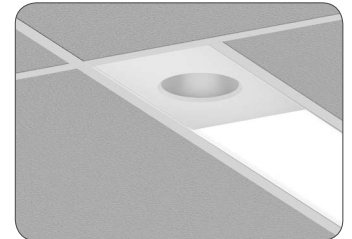
Notes:

DIMENSIONS

SECTION VIEWS



SHOWN WITH LENS OPTION



SHOWN WITH DOWNLIGHT INSERT



TECHZONE™ AND LOGIX™ COMPATIBLE
 for more info see page 5

ORDERING CODE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 OPTICS DIRECT	3 OPTICS POSITION	4 LENGTH	5 SPECIFY LENGTH	6 LAMP
B6R recessed	S satin lens F frosted lens PL semi spec. para. louvers ⁽¹⁾ B blank	FL flush RG regressed	2 2' 3 3' 4 4' 5 5' 6 6' 8 8' 12 12' S# System Run	NL nominal (3' & 4' lamps) NL4 nominal (4' lamps only) EX exact (3' & 4' lamps) EX4 exact (4' lamps only)	T5 T5 T5HO T5HO T8 T8
(1) please consult factory					

7 LAMP CONFIGURATION	8 MR/CB DOWNLIGHT	9 FINISH	10 VOLTAGE	11 BALLAST	12 CIRCUITS
0 0 lamp 1 1 lamp 2 2 lamps 3 3 lamps ⁽²⁾ +S staggered ⁽³⁾	CB31525# Fixed LED 3" dia 1500lm 25deg ⁽⁴⁾ CB31538# Fixed LED 3" dia 1500lm 38deg ⁽⁴⁾ CB31555# Fixed LED 3" dia 1500lm 55deg ⁽⁴⁾ CB30925# Fixed LED 3" dia 900lm 25deg ⁽⁴⁾ CB30938# Fixed LED 3" dia 900lm 38deg ⁽⁴⁾ CB30955# Fixed LED 3" dia 900lm 55deg ⁽⁴⁾ M16# Adj. MR 16 halogen lamp (by others) ⁽⁵⁾ M16LED# Adj. MR 16 LED lamp (provided) ⁽⁵⁾	W white C custom	120 120 V 277 277 V 347 347 V ⁽⁶⁾ UNV universal	D dimming E instant start ⁽⁷⁾ ERS program start BI bi-level dimming	1 1 regular 2 2 regular 2A/B 2 alternating +E(#) emergency section +NL(#) night light section +GTD(#) generator transfer device +M MR
(2) Not available with T8 lamp (3) available with 1 lamp only	(4) Available in 3000K. Consult factory for other CCT's; comes with 5" deep extrusion - see pg.3 (5) See page 5 for more details Requires 120v or 277V		(6) Please consult factory	(7) Available with T8 lamp only	

13 MOUNTING/SUSPENSION	14 BATTERY	15 OTHER	16 IC CONTROLS	17 CUSTOM
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	F fuse EF end feed FW(#) flex whip (6' std) CP Chicago plenum AR air return plate ⁽⁸⁾ SR sprinkler plate ⁽⁸⁾ SPK speaker plate ⁽⁸⁾	DS# daylight sensor OS# occupancy sensor DS+OS# daylight+occupancy sensor DOS# daylight&occupancy sensor	C custom
		(8) Please consult factory	See integrated controls guide for further details	Please specify

FILE NAME: B6R.SPEC

May 17, 2016



CONSTRUCTION

Housing	Extruded Aluminum (0.095" nominal) up to 70% Recycled Content
Interior Brackets	Die Formed Sheet Steel (18 ga)
Reflectors	White Powder Coated Sheet Steel (22 ga)
Louvers	Die Formed Semi-Specular Aluminum (22 ga)
White Louvers	Die Formed Aluminum Painted White (22 ga)
Blank	Extruded Aluminum (0.075" nominal)
Lenses	Extruded Acrylic (0.070" nominal) Satin: 68% trans. Frosted: 85% trans.
T-Bar Bracket	Die Formed Sheet Steel (16 ga)
Screw Slot T-Bar Bracket	Die Formed Sheet Steel (16 ga)
Slip-Through Bracket	Die Formed Sheet Steel (18 ga)
Spackle Flange	Die Formed Perforated Sheet Steel (20 ga)
Flange	Extruded Aluminum (0.075" nominal) visible flange width: 9/16"

WEIGHT

4 ft	16.3 lbs / 7.4 kg
8 ft	32.6 lbs / 14.8 kg
12 ft	48.9 lbs / 22.2 kg

SYSTEM (S#)

BEAM 6 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 6 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.

FINISH

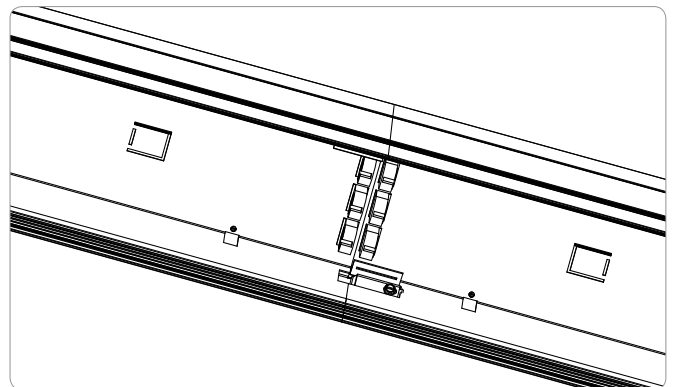
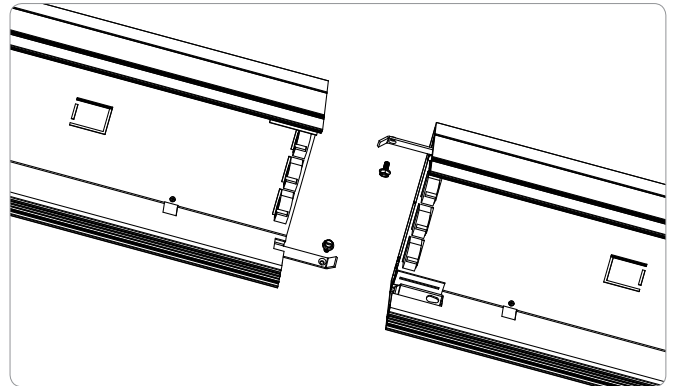
Aluminium paint, Powder Coated and custom finishes are also available.

APPROVALS

Certified to UL and CUL standards
 Meets NYC requirements
 Meets CCEC requirements (Chicago plenum)
 Suitable for damp locations.

JOINERS

In order to allow very long runs of BEAM 6 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.



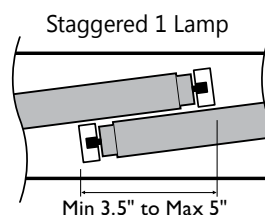
TB JOINER

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

STAGGERED LAMPING

When BEAM 6 is used in continuous runs longer than 4', staggered lamping can be used to eliminate the appearance of socket shadows at the ends of the lamps. BEAM 6 uses a staggered overlap of 4 different bracket lengths (3.5", 4", 4.5" and 5"), along with 3' and 4' lamps, allowing us to match almost any row length requirements with optimal results. For example 3 x 3' T5 lamps can be used to completely illuminate the lens of an 8' luminaire.

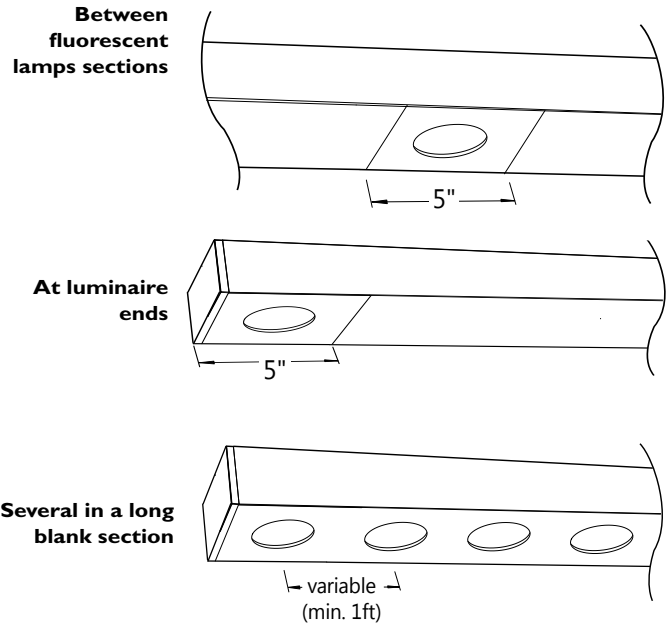
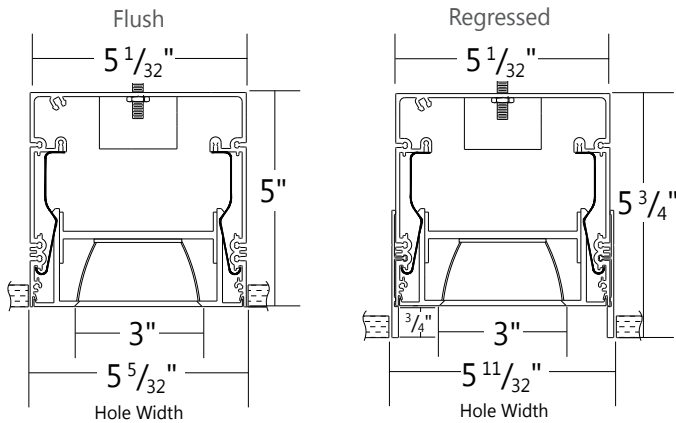
LAMP TYPE	T5	T5HO	T8
1 lamp	•	•	•



LED DOWNLIGHT INSERT

Blank CB3 Extruded Aluminum (0.075" nominal)
 3.0" diameter fixed, 900 or 1500 lumen, 25°, 38°, 55°;
 3000K, R9 =70, CRI=90, 3 Macadam Ellipse

Quantity Allow minimum 1ft distance between multiple units.



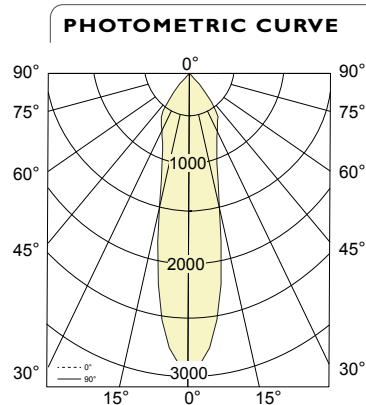
PERFORMANCE

	LUMENS	WATTS	EFFICACY
CB309	880	11.6 W/ft	76 lm/W
CB315	1550	19.1 W/ft	81 lm/W

PHOTOMETRIC DATA FOR CHIP ON BOARD (CB)

CB31525#

Fixed LED 3" diameter 1500lm 25deg



ACTUAL LUMEN: 1552 lm
INPUT WATTS: 19.1 W
EFFICACY: 81 lm/W
CRI: 90
 IES FILE: CB31525.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	2879	2879	2879	2879	2879	
5	2670	2670	2670	2670	2670	237
10	2071	2071	2071	2071	2071	
15	1323	1323	1323	1323	1323	374
20	921	921	921	921	921	
25	737	737	737	737	737	343
30	635	635	635	635	635	
35	562	562	562	562	562	349
40	466	466	466	466	466	
45	259	259	259	259	259	197
50	68	68	68	68	68	

CB30925#

Fixed LED 3" diameter 900lm 25deg

ACTUAL LUMEN: 876 lm
INPUT WATTS: 11.6 W
EFFICACY: 76 lm/W
CRI: 90
 IES FILE: CB30925.ies

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



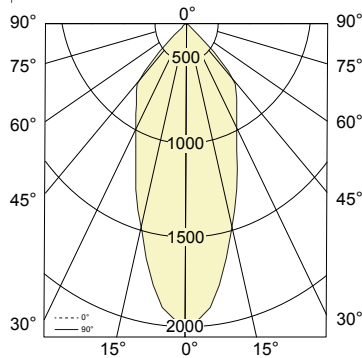
RECESSED MOUNT WITH 3" DOWNLIGHT INSERT OPTION

● PHOTOMETRIC DATA FOR CHIP ON BOARD (CB) DOWNLIGHT

CB31538#

Fixed LED 3" diameter 1500lm 38deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 1554 lm
INPUT WATTS: 19.1 W
EFFICACY: 81 lm/W
CRI: 90
 IES FILE: CB31538.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1999	1999	1999	1999	1999	
5	1897	1897	1897	1897	1897	172
10	1586	1586	1586	1586	1586	
15	1284	1284	1284	1284	1284	357
20	1026	1026	1026	1026	1026	
25	823	823	823	823	823	382
30	693	693	693	693	693	
35	602	602	602	602	602	377
40	526	526	526	526	526	
45	265	265	265	265	265	204
50	43	43	43	43	43	

CB30938#

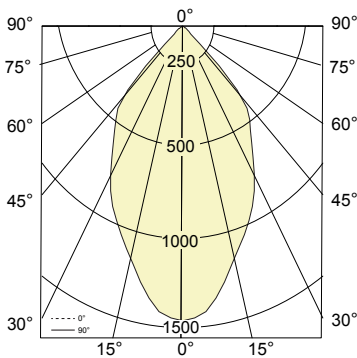
Fixed LED 3" diameter 900lm 38deg

ACTUAL LUMEN: 878 lm
INPUT WATTS: 11.6 W
EFFICACY: 76 lm/W
CRI: 90
 IES FILE: CB30938.ies

CB31555#

Fixed LED 3" diameter 1500lm 55deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 1559 lm
INPUT WATTS: 19.1 W
EFFICACY: 82 lm/W
CRI: 90
 IES FILE: CB31555.ies

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1485	1485	1485	1485	1485	
5	1444	1444	1444	1444	1444	135
10	1309	1309	1309	1309	1309	
15	1161	1161	1161	1161	1161	325
20	1043	1043	1043	1043	1043	
25	913	913	913	913	913	416
30	760	760	760	760	760	
35	638	638	638	638	638	400
40	539	539	539	539	539	
45	278	278	278	278	278	214
50	57	57	57	57	57	

CB30955#

Fixed LED 3" diameter 900lm 55deg

ACTUAL LUMEN: 879 lm
INPUT WATTS: 11.6 W
EFFICACY: 76 lm/W
CRI: 90
 IES FILE: CB30955.ies

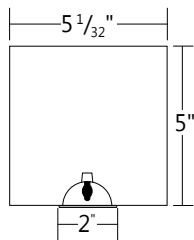
i All IES files are available for download at: www.axislighting.com



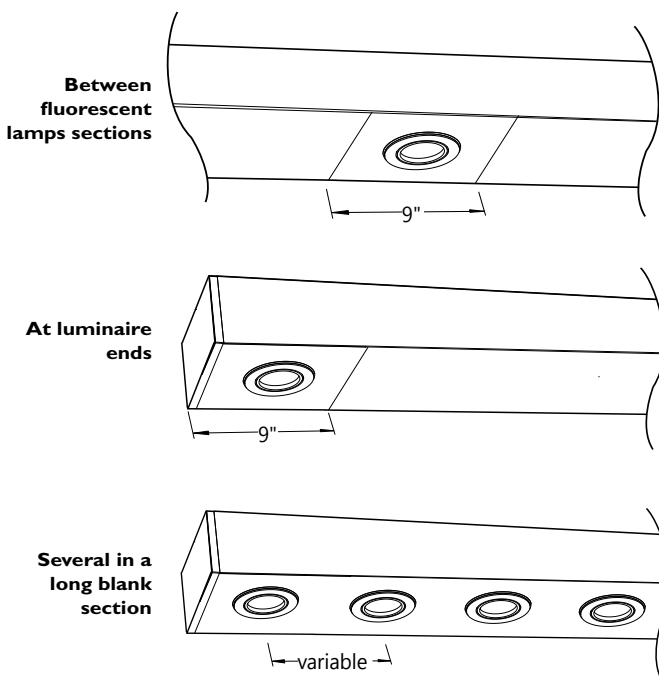
MR 16 LAMP DOWNLIGHT

- Blank** Extruded Aluminum (0.075" nominal)
- MR16 Halogens** Adjustable halogen lamp 35W / 50W (by others)
- MR16 LED** Adjustable LED lamp (provided)
- Quantity** For every 4' lamp section, there may be up to a maximum of 4 downlights.

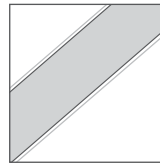
Spacing



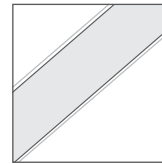
Each MR16 is placed centered on a blank section 9" in length. Within a given section length, a series of downlights will be spaced evenly on a longer blank section. Custom spacing available on special request.



OPTICS

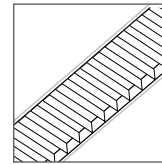


S satin lens



F frosted lens

SATIN & FROSTED LENS
 (acrylic snap-in lens)
 satin: 68% trans.
 frosted: 85% trans.

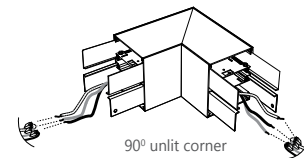


PL semi-specular parabolic louvers

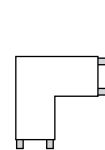
LOUVERS
 (semi-spec. parabolic louver)

CORNERS - ONLY AVAILABLE WITH 4 3/4" EXTRUSION

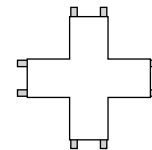
Unlit Corners - BEAM6 features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



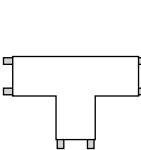
90° unlit corner



90° corner

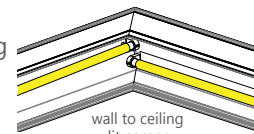


X junction



T junction

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

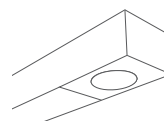


wall to ceiling lit corner

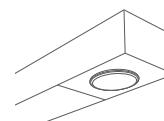
i For custom corner angles, please consult factory. Specifications sheets for all corners are available at: www.axislighting.com

TECHZONE™ AND LOGIX™

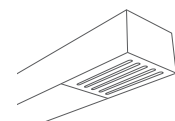
Integrated contiguous modules for PA speakers, Air Returns and Sprinkler Heads are available for our recessed Beam products to add a consistent linear system to complete the illuminated portion.



SPK SPEAKER

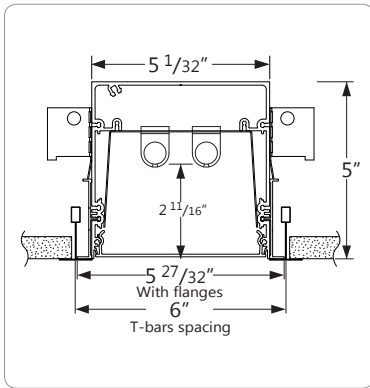


SR SPRINKLER

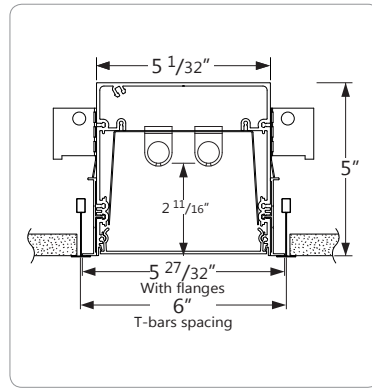


AR AIR RETURN

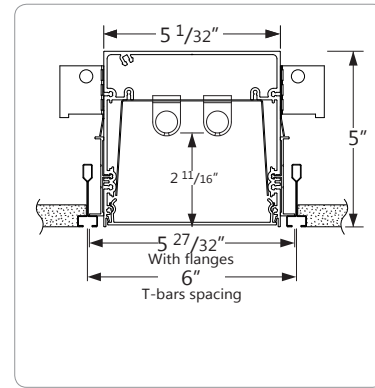
● **TB CEILING MOUNTING OPTIONS**



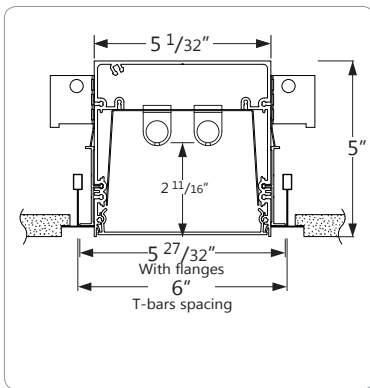
TB15 15/16" T-BAR



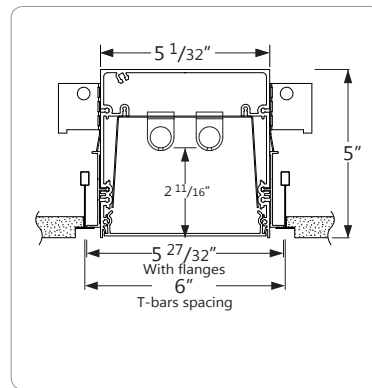
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

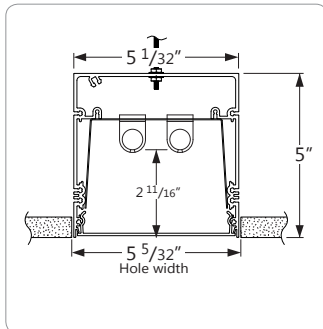


TG15 15/16" TEGULAR

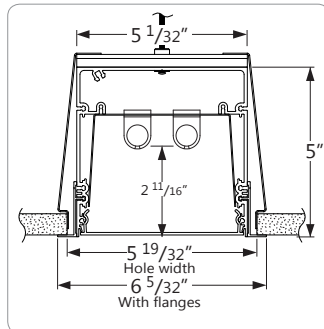


TG9 9/16" TEGULAR

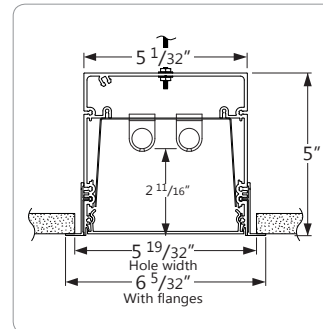
● **DRYWALL CEILING MOUNTING OPTIONS**



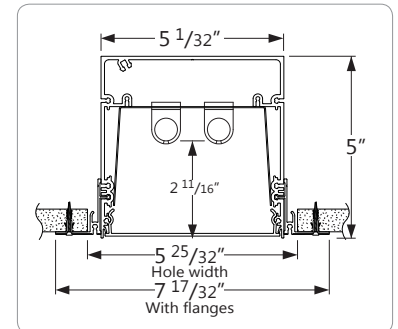
D FLANGELESS WITH 1/4-20 STUD MOUNTING



DB VISIBLE FLANGES WITH SLIP-THROUGH BRACKET



DF VISIBLE FLANGES WITH 1/4-20 STUD MOUNTING

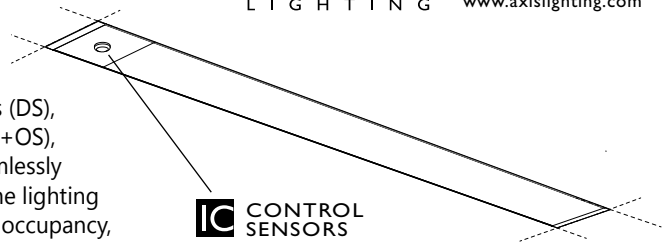


DS SPACKLE FLANGES

● **OTHER MOUNTING OPTIONS**

BEAM 6 is also available with 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



IC CONTROL SENSORS

● INTEGRATED CONTROL OPTIONS

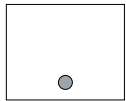
BEAM 6 luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS), individual daylight sensors and occupancy sensors (DS+OS), and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system 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.
- Refer to IC brochure for more information.

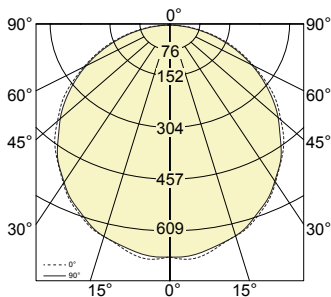
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed 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: B6R-S-FL-4-T5-1

Efficiency: 69.4%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	677	677	677	677	677	
5	685	679	684	667	675	36
15	650	654	650	640	650	155
25	611	606	610	600	605	259
35	543	544	540	537	540	329
45	469	465	463	459	454	356
55	376	371	367	364	361	340
65	261	264	258	256	255	278
75	152	148	149	145	143	182
85	48	47	44	43	40	75
90	6	5	4	3	3	

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4024	2658	2358
55	3841	2233	1944
65	3432	1723	1470
75	2918	1141	921
85	1830	409	303

COEFFICIENTS OF UTILIZATION (%)

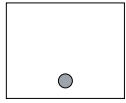
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	83	83	83	83	81	81	81	81	77	77	77
1	75	72	69	66	73	70	67	65	67	65	63
2	68	62	58	53	66	61	57	53	59	55	51
3	62	55	49	44	60	54	48	44	51	47	43
4	57	48	42	37	55	47	41	37	46	40	36
5	52	43	37	32	51	42	36	32	41	35	31
6	48	39	32	28	47	38	32	28	37	31	27
7	45	35	29	25	43	34	29	24	33	28	24
8	42	32	26	22	40	31	26	22	31	25	22
9	39	29	24	20	38	29	23	20	28	23	19
10	36	27	21	18	35	27	21	18	26	21	18

Based on floor reflectance of 20

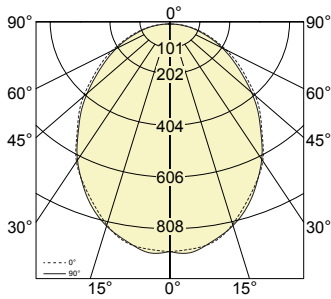
i All IES files for other lamping are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

I T5



PHOTOMETRIC CURVE



Test Lamp: IxF28T5

IES FILE: B6R-F-FL-4-T5-1

Efficiency: 75.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	890	890	890	890	890	
5	885	909	888	888	898	48
15	844	842	847	841	842	203
25	740	752	747	747	752	323
35	635	630	626	621	627	387
45	499	498	490	482	486	387
55	363	362	356	348	345	337
65	243	241	236	229	229	257
75	136	136	131	127	124	162
85	48	46	43	40	38	70
90	6	5	4	3	3	

COEFFICIENTS OF UTILIZATION (%)

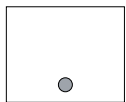
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	90	90	90	90	88	88	88	88	84	84	84
1	82	79	75	73	80	77	74	71	74	71	69
2	75	69	64	60	73	67	63	59	65	61	58
3	69	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	42	51	46	42
5	58	49	42	37	56	48	42	37	46	41	37
6	54	44	37	33	52	43	37	33	42	36	32
7	50	40	34	29	49	39	33	29	38	33	29
8	47	37	30	26	45	36	30	26	35	30	26
9	44	34	28	24	43	33	27	23	32	27	23
10	41	31	25	21	40	31	25	21	30	25	21

Based on floor reflectance of 20

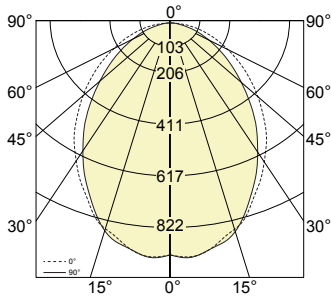
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4276	2812	2525
55	3712	2164	1854
65	3197	1578	1319
75	2620	1004	795
85	1816	400	289

I T5



PHOTOMETRIC CURVE



Test Lamp: IxF28T5

IES FILE: B6R-F-RG-4-T5-1

Efficiency: 72.0%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	912	912	912	912	912	
5	922	925	915	922	925	49
15	861	863	869	870	878	209
25	765	769	769	757	746	331
35	644	647	631	608	595	388
45	513	507	480	453	438	381
55	377	364	331	302	292	319
65	247	237	205	181	173	231
75	137	124	99	83	79	134
85	40	28	21	21	19	45
90	3	2	2	2	2	

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	86	86	86	86	84	84	84	84	80	80	80
1	79	76	73	71	77	74	72	69	71	69	67
2	72	67	62	59	71	66	61	58	63	60	57
3	67	59	54	49	65	58	53	49	56	52	48
4	61	53	47	42	60	52	47	42	50	45	42
5	57	48	42	37	55	47	41	37	45	40	36
6	52	43	37	33	51	43	37	33	41	36	32
7	49	39	33	29	48	39	33	29	38	33	29
8	46	36	30	26	44	36	30	26	35	30	26
9	43	33	28	24	42	33	27	24	32	27	24
10	40	31	25	22	39	30	25	22	30	25	22

Based on floor reflectance of 20

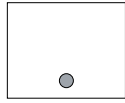
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3694	2301	1905
55	3215	1670	1310
65	2685	1129	829
75	2148	622	421
85	1174	159	120

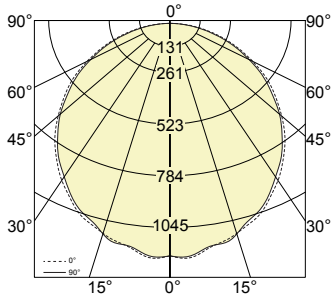
i All IES files for other lamping are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO
 IES FILE: B6R-S-FL-4-T5HO-1

Efficiency: 69.4%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1164	1164	1164	1164	1164	
5	1176	1153	1172	1170	1167	63
15	1117	1124	1119	1115	1128	268
25	1055	1050	1045	1048	1039	446
35	944	940	933	932	922	566
45	809	804	799	788	789	614
55	642	638	629	627	622	585
65	456	451	448	445	438	481
75	262	261	251	251	246	314
85	84	81	77	71	70	129
90	11	9	7	6	5	

COEFFICIENTS OF UTILIZATION (%)

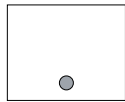
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	83	83	83	83	81	81	81	81	77	77	77
1	75	72	69	66	74	70	68	65	67	65	63
2	68	62	58	53	67	61	57	53	59	55	52
3	62	55	49	44	60	54	48	44	51	47	43
4	57	48	42	37	55	47	42	37	46	41	36
5	52	43	37	32	51	42	36	32	41	36	31
6	48	39	32	28	47	38	32	28	37	31	27
7	45	35	29	25	43	35	29	24	33	28	24
8	42	32	26	22	40	32	26	22	31	25	22
9	39	29	24	20	38	29	23	20	28	23	19
10	36	27	21	18	35	27	21	18	26	21	18

Based on floor reflectance of 20

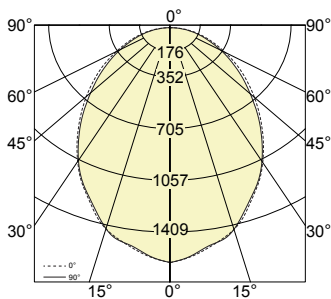
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	6936	4587	4094
55	6555	3824	3345
65	5998	2990	2523
75	5033	1919	1579
85	3205	712	523

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO
 IES FILE: B6R-F-FL-4-T5HO-1

Efficiency: 75.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1585	1585	1585	1585	1585	
5	1554	1532	1548	1537	1549	83
15	1456	1456	1454	1460	1465	350
25	1289	1298	1286	1289	1277	558
35	1089	1084	1081	1069	1079	666
45	857	849	850	836	834	667
55	633	625	618	602	597	582
65	418	414	406	399	391	443
75	235	232	227	220	216	280
85	84	80	73	68	67	121
90	11	10	7	5	5	

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	90	90	90	90	88	88	88	88	84	84	84
1	82	79	75	73	80	77	74	71	74	71	69
2	75	69	64	60	73	67	63	59	65	61	58
3	69	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	42	51	46	42
5	58	49	42	37	57	48	42	37	46	41	37
6	54	44	37	33	52	43	37	33	42	36	32
7	50	40	34	29	49	39	33	29	38	33	29
8	47	37	30	26	45	36	30	26	35	30	26
9	44	34	28	24	43	33	27	24	32	27	23
10	41	31	25	21	40	31	25	21	30	25	21

Based on floor reflectance of 20

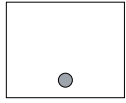
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7349	4879	4329
55	6466	3756	3210
65	5496	2712	2253
75	4518	1741	1384
85	3171	679	500

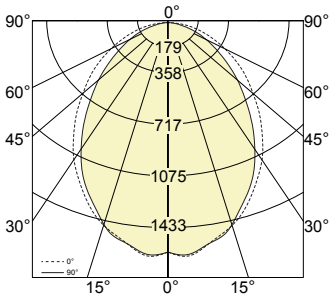
i All IES files for other lamping are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

I T5HO



PHOTOMETRIC CURVE



Test Lamp: IxF54T5HO

IES FILE: B6R-F-RG-4-T5HO-1

Efficiency: 72.0%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1581	1581	1581	1581	1581	
5	1613	1596	1567	1577	1602	85
15	1492	1507	1504	1506	1505	361
25	1332	1333	1317	1312	1291	572
35	1126	1118	1083	1040	1033	671
45	884	874	830	774	747	655
55	653	622	569	521	499	548
65	430	405	355	313	299	398
75	236	213	171	145	136	230
85	68	47	38	35	34	78
90	4	4	4	4	4	

COEFFICIENTS OF UTILIZATION (%)

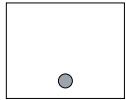
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	86	86	86	86	84	84	84	84	80	80	80
1	79	76	73	71	77	74	72	69	71	69	67
2	73	67	62	59	71	66	61	58	63	60	57
3	67	59	54	49	65	58	53	49	56	52	48
4	61	53	47	43	60	52	47	42	50	46	42
5	57	48	42	37	55	47	41	37	45	40	36
6	52	43	37	33	51	43	37	33	41	36	32
7	49	39	33	29	48	39	33	29	38	33	29
8	46	36	30	26	44	36	30	26	35	30	26
9	43	33	28	24	42	33	27	24	32	27	24
10	40	31	25	22	39	31	25	22	30	25	22

Based on floor reflectance of 20

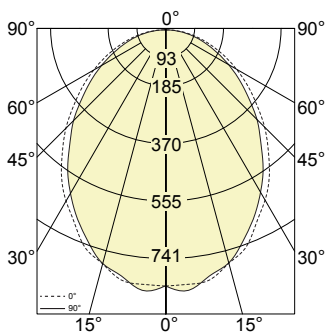
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	6360	3978	3249
55	5568	2874	2242
65	4683	1958	1432
75	3708	1074	723
85	2005	285	207

I T8



PHOTOMETRIC CURVE



Test Lamp: IxF32T8

IES FILE: B6R-F-FL-4-T8-1

Efficiency: 66.0%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	816	816	816	816	816	
5	814	821	826	833	833	44
15	771	772	767	772	770	186
25	681	683	673	664	662	292
35	574	568	553	540	540	344
45	447	442	428	417	413	339
55	323	318	305	294	291	291
65	214	209	201	194	189	220
75	119	116	112	106	105	139
85	40	39	37	34	32	59
90	5	4	4	3	2	

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	79	79	79	79	77	77	77	77	74	74	74
1	72	69	67	64	71	68	65	63	65	63	61
2	66	61	56	53	64	60	56	52	57	54	51
3	61	54	49	44	59	53	48	44	51	47	43
4	56	48	42	38	54	47	42	38	45	41	37
5	51	43	37	33	50	42	37	33	41	36	33
6	48	39	33	29	46	38	33	29	37	32	29
7	44	36	30	26	43	35	30	26	34	29	26
8	41	33	27	23	40	32	27	23	31	27	23
9	39	30	25	21	38	30	25	21	29	24	21
10	36	28	23	19	36	27	23	19	27	22	19

Based on floor reflectance of 20

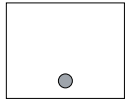
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3142	2001	1748
55	2696	1501	1274
65	2284	1081	882
75	1836	690	543
85	1180	271	194

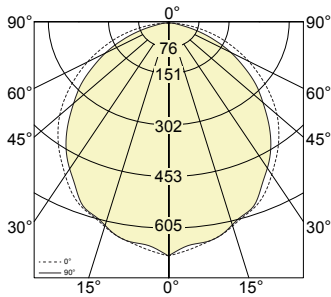
i All IES files for other lamping are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

I T8



PHOTOMETRIC CURVE



Test Lamp: IxF32T8

IES FILE: B6R-S-RG-4-T8-1

Efficiency: 63.4%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	680	680	680	680	680	
5	665	661	670	664	653	36
15	634	634	642	630	633	152
25	595	597	589	586	590	252
35	530	527	522	507	508	316
45	456	449	434	420	414	337
55	363	354	330	317	311	312
65	254	244	222	203	199	244
75	145	131	107	90	84	144
85	38	26	19	18	18	44
90	2	2	2	2	2	

COEFFICIENTS OF UTILIZATION (%)

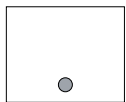
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	76	76	76	76	74	74	74	74	71	71	71
1	69	66	64	61	68	65	62	60	62	60	58
2	63	58	54	50	61	57	53	49	54	51	48
3	58	51	46	42	56	50	45	41	48	44	41
4	53	45	40	35	51	44	39	35	43	38	35
5	48	40	35	30	47	40	34	30	38	34	30
6	45	36	31	27	44	36	30	26	35	30	26
7	42	33	27	23	40	32	27	23	31	27	23
8	39	30	25	21	38	30	24	21	29	24	21
9	36	28	22	19	35	27	22	19	26	22	19
10	34	25	20	17	33	25	20	17	24	20	17

Based on floor reflectance of 20

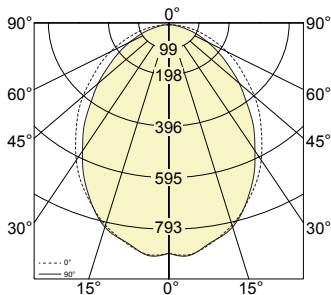
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3208	2028	1754
55	3032	1625	1361
65	2710	1193	927
75	2234	657	437
85	1115	140	108

I T8



PHOTOMETRIC CURVE



Test Lamp: IxF32T8

IES FILE: B6R-F-RG-4-T8-1

Efficiency: 69.0%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	875	875	875	875	875	
5	883	892	872	875	887	47
15	822	822	837	829	829	200
25	729	737	732	720	720	316
35	616	618	599	585	571	372
45	489	484	457	433	417	364
55	357	350	321	291	281	307
65	243	228	196	177	169	223
75	132	120	95	81	77	129
85	38	27	20	19	19	43
90	3	2	2	2	2	

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	82	82	82	82	80	80	80	80	77	77	77
1	76	73	70	68	74	71	69	66	68	66	64
2	69	64	60	56	68	63	59	55	60	57	54
3	64	57	52	47	62	56	51	47	54	50	46
4	59	51	45	41	57	50	45	40	48	44	40
5	54	46	40	35	53	45	39	35	43	39	35
6	50	41	35	31	49	41	35	31	40	35	31
7	47	38	32	28	46	37	32	28	36	31	28
8	44	35	29	25	43	34	29	25	33	28	25
9	41	32	26	23	40	31	26	23	31	26	23
10	38	30	24	21	37	29	24	21	28	24	21

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3439	2137	1768
55	2980	1580	1227
65	2589	1055	788
75	2031	582	398
85	1125	150	116

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

FILE NAME: B6R.SPEC

May 17, 2016