



RECESSED VERTICAL MOUNT



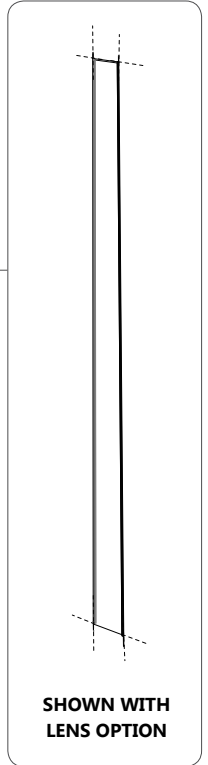
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 [T] 514.948.6272
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 www.axislighting.com

PROJECT INFORMATION

Project:

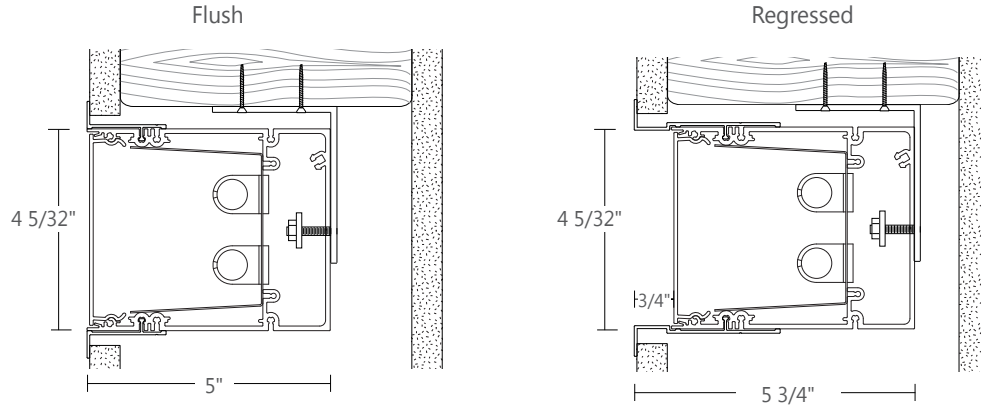
Type:

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 DIRECT	3 OPTICS POSITION	4 LENGTH/FT	5 SPECIFY LENGTH	6 LAMP
BBRV recessed vertical	S satin lens F frosted lens	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

7 LAMP CONFIGURATION	8 FINISH	9 VOLTAGE	10 BALLAST	11 CIRCUITS	12 MOUNTING/SUSPENSION
0 0 lamp 1 1 lamp 2 2 lamps +S staggered ⁽²⁾	W white C custom	120 120V 277 277V 347 347V ⁽¹⁾ UNV universal	D dimming E instant start ⁽²⁾ 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	DF drywall flange DS drywall spackle flange D drywall flangeless
(2) available with 1 lamp only		(1) Please consult factory	(2) Available with T8 lamp only		

13 BATTERY	14 OTHER	15 CUSTOM
B# battery pack 4' sections	F fuse EF end feed	C custom
Please specify		



● CONSTRUCTION

Housing	Extruded Aluminum (0.095" nominal) up to 70% Recycled Content
Interior Brackets	Die Formed Sheet Steel (20 ga)
Reflectors	Die Formed Specular Aluminum (22 ga) or White Powder Coated Sheet Steel (22 ga)
Blank	Extruded Aluminum (0.075" nominal)
Lenses	Extruded Acrylic (0.070" nominal) Satin: 68% trans. Frosted: 85% trans.
Mounting 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	14.5 lbs / 6.6 kg
8 ft	29.0 lbs / 13.2 Kg
12 ft	43.5 lbs / 19.7 Kg

● SYSTEM (S#)

BEAM 4 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 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

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

● FINISH

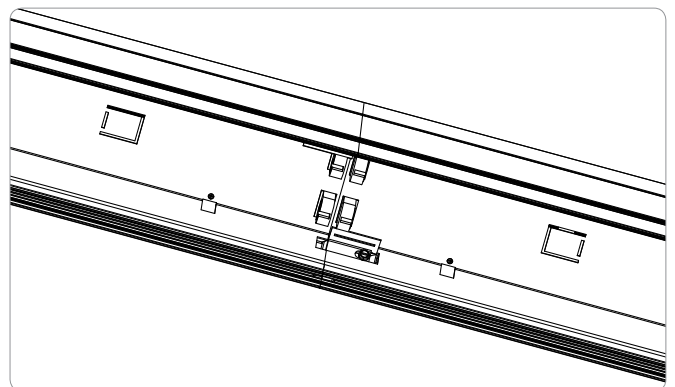
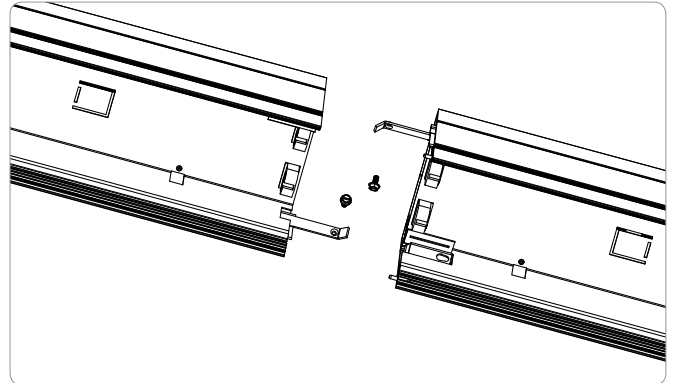
Powder Coated and custom finishes are also available.

● APPROVALS

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

● JOINERS

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



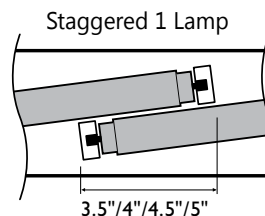
TB JOINER

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

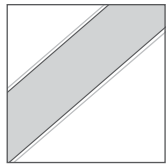
● STAGGERED LAMPING

When BEAM 4 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 4 uses a staggered overlap of 4 different overlapping bracket lengths (3.5", 4", 4.5" and 5"), along with 3' and 4' lamps, allows 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.

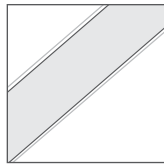
LAMP TYPE	T5	T5HO	T8
1 lamp	•	•	•



● **OPTICS**



S satin lens



F frosted lens

SATIN & FROSTED LENS

(acrylic snap-in lens)

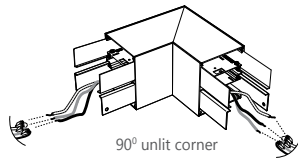
satin: 68% trans.

frosted: 85% trans.

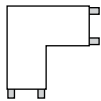
● **CORNERS - ONLY AVAILABLE WITH 4 3/4" EXTRUSION**

Unlit Corners - BEAM4

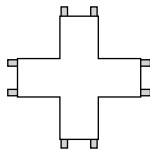
features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



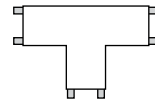
90° unlit corner



90° corner

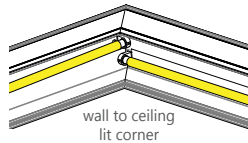


X junction



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

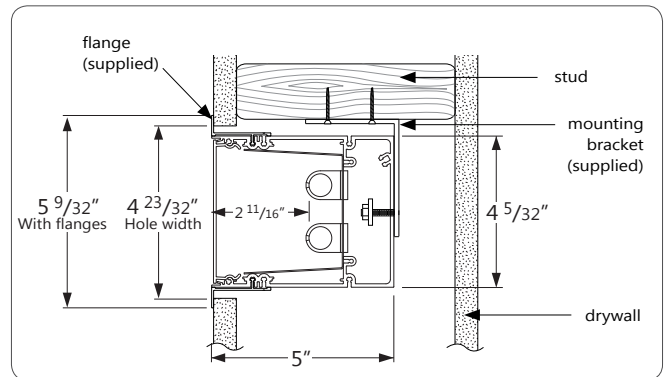
i For custom corner angles, please consult factory. Specifications sheets for all corners are available at: www.axislighting.com

● **OTHER MOUNTING OPTIONS**

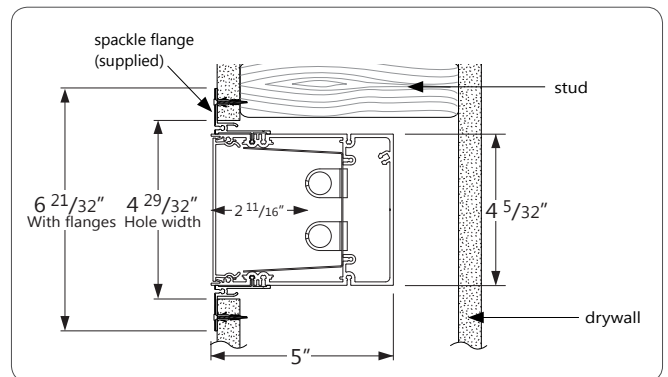
BEAM 4 is also available with recessed, pendant, surface, wall, asymmetric, recessed wall and wall wash mounted options.

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

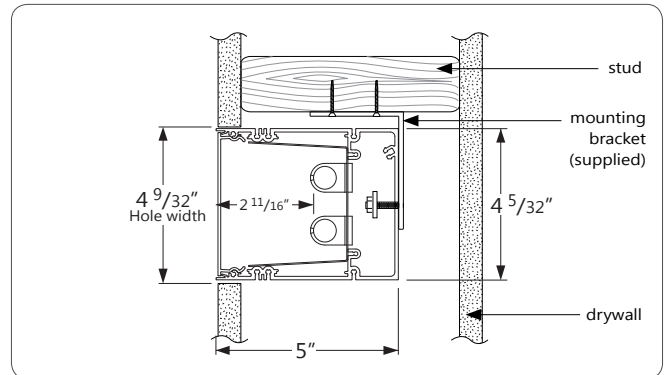
● **VERTICAL RECESSED MOUNTING OPTIONS**



DF DRYWALL FLANGED



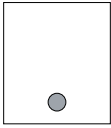
DS DRYWALL SPACKLE FLANGE



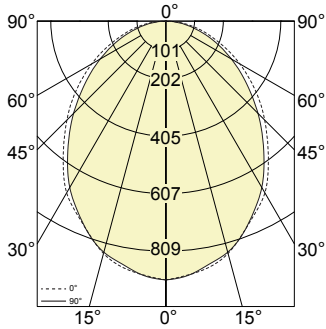
D DRYWALL FLANGELESS

PHOTOMETRIC DATA

1 T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5
 IES FILE: BBR-F-FL-4-T5-1

Efficiency: 73.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	910	910	910	910	910	
5	896	910	896	902	898	48
15	846	842	844	845	842	203
25	745	743	745	736	736	321
35	629	626	615	608	603	381
45	492	485	477	463	459	376
55	363	355	343	329	326	326
65	240	234	226	216	211	246
75	134	130	124	114	111	153
85	45	42	36	32	31	63
90	6	4	2	2	1	

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	87	87	87	87	85	85	85	85	81	81	81
1	80	77	74	71	78	75	72	70	72	70	68
2	73	67	62	58	71	66	61	58	63	60	56
3	67	59	54	49	65	58	53	49	56	52	48
4	62	53	47	42	60	52	46	42	50	45	41
5	57	48	41	37	55	47	41	36	45	40	36
6	53	43	37	32	51	42	36	32	41	36	32
7	49	39	33	29	48	39	33	29	38	32	28
8	46	36	30	26	45	35	30	26	35	29	26
9	43	33	27	23	42	33	27	23	32	27	23
10	40	31	25	21	39	30	25	21	30	25	21

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

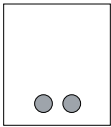
Vertical Angle	Horizontal Angles		
	0	45	90
45	5044	3029	2586
55	4436	2272	1867
65	3766	1608	1270
75	3084	986	725
85	2034	338	232

COEFFICIENTS OF UTILIZATION (%)

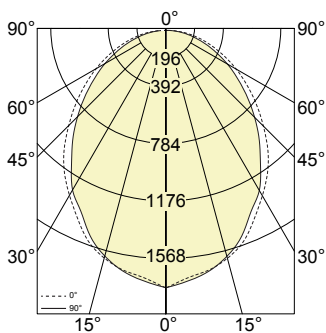
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	82	82	82	82	80	80	80	80	77	77	77
1	75	72	69	67	73	71	68	66	68	65	64
2	69	63	59	55	67	62	58	54	60	56	53
3	63	56	51	46	61	55	50	46	53	49	45
4	58	50	44	40	56	49	44	39	47	43	39
5	53	45	39	34	52	44	38	34	43	38	34
6	50	41	35	30	48	40	34	30	39	34	30
7	46	37	31	27	45	36	31	27	35	30	27
8	43	34	28	24	42	33	28	24	33	28	24
9	40	31	26	22	39	31	26	22	30	25	22
10	38	29	24	20	37	29	23	20	28	23	20

Based on floor reflectance of 20

2 T5



PHOTOMETRIC CURVE



Test Lamp: 2xF28T5
 IES FILE: BBR-F-FL-4-T5-2

Efficiency: 68.8%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1764	1764	1764	1764	1764	
5	1702	1709	1708	1701	1724	92
15	1616	1590	1593	1595	1602	385
25	1422	1406	1412	1385	1369	609
35	1202	1185	1156	1135	1120	717
45	939	920	896	869	854	709
55	682	668	637	615	604	609
65	452	441	420	397	388	459
75	253	246	229	216	204	287
85	88	79	66	60	57	118
90	11	8	4	3	3	

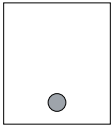
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	9628	5695	4816
55	8328	4217	3462
65	7089	2993	2336
75	5803	1828	1339
85	3946	621	421

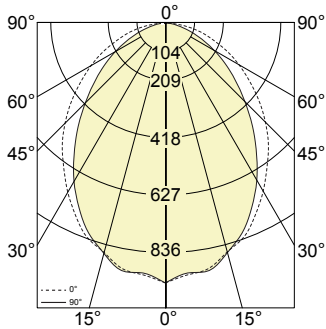
i All IES files for other lamping are available for download at: www.axislighting.com

PHOTOMETRIC DATA

I T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5

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

Efficiency: 69.7%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	940	940	940	940	940	
5	915	914	917	910	908	49
15	858	870	866	865	861	208
25	767	766	758	737	737	328
35	639	640	611	584	573	380
45	512	499	460	421	408	367
55	373	358	315	279	270	306
65	249	229	190	163	153	219
75	138	118	87	69	65	123
85	38	25	20	20	20	41
90	2	3	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	83	83	83	83	81	81	81	81	78	78	78
1	77	74	71	68	75	72	70	67	69	67	65
2	70	65	61	57	69	64	60	56	61	58	55
3	65	58	52	48	63	57	52	48	55	50	47
4	59	52	46	42	58	51	45	41	49	44	41
5	55	47	41	36	54	46	40	36	44	39	36
6	51	42	36	32	50	42	36	32	40	35	32
7	47	38	33	29	46	38	32	28	37	32	28
8	44	35	30	26	43	35	29	26	34	29	25
9	42	33	27	23	41	32	27	23	31	27	23
10	39	30	25	21	38	30	25	21	29	24	21

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4283	2409	1905
55	3704	1716	1282
65	3148	1112	766
75	2504	569	353
85	1315	157	120

COEFFICIENTS OF UTILIZATION (%)

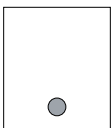
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	87	87	87	87	85	85	85	85	82	82	82
1	80	77	74	71	78	75	72	70	72	70	68
2	73	67	63	59	71	66	62	58	63	60	57
3	67	60	54	49	65	58	53	49	56	52	48
4	62	53	47	42	60	52	46	42	50	45	41
5	57	48	41	37	55	47	41	36	45	40	36
6	53	43	37	32	51	43	37	32	41	36	32
7	49	39	33	29	48	39	33	29	38	32	28
8	46	36	30	26	45	36	30	26	35	29	26
9	43	33	27	23	42	33	27	23	32	27	23
10	40	31	25	21	39	30	25	21	30	25	21

Based on floor reflectance of 20

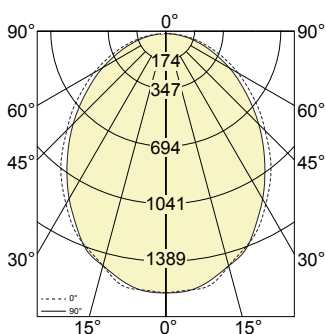
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	8671	5276	4472
55	7586	3930	3221
65	6550	2763	2175
75	5267	1694	1261
85	3625	574	395

I T5HO



PHOTOMETRIC CURVE



Test Lamp: 1xF54T5HO

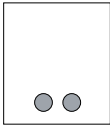
IES FILE: BBR-F-FL-4-T5HO-1

Efficiency: 73.3%

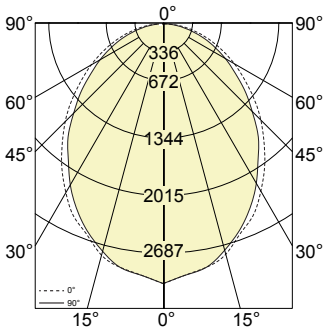
i All IES files for other lamping are available for download at: www.axislighting.com

PHOTOMETRIC DATA

2 T5HO



PHOTOMETRIC CURVE



Test Lamp: 2x F54T5HO

IES FILE: BBR-F-FL-4-T5HO-2

Efficiency: 68.8%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	3023	3023	3023	3023	3023	
5	2936	2942	2928	2909	2937	158
15	2784	2773	2768	2771	2736	667
25	2468	2458	2413	2395	2378	1050
35	2054	2030	2008	1955	1924	1235
45	1611	1594	1545	1495	1473	1225
55	1169	1160	1106	1059	1036	1053
65	783	767	719	681	678	791
75	438	424	392	371	358	496
85	149	139	116	101	95	203
90	19	13	7	5	5	

LUMINANCE DATA (CD/M²)

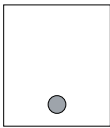
Vertical Angle	Horizontal Angles		
	0	45	90
45	16513	9825	8300
55	14274	7322	5942
65	12284	5126	4085
75	10035	3130	2341
85	6696	1092	702

COEFFICIENTS OF UTILIZATION (%)

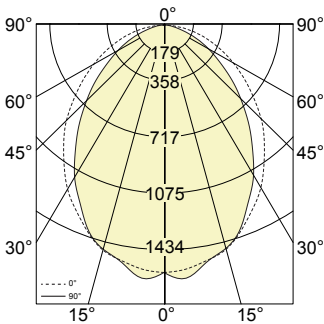
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	82	82	82	82	80	80	80	80	77	77	77
1	75	72	69	67	73	71	68	66	68	66	64
2	69	63	59	55	67	62	58	54	60	56	53
3	63	56	51	46	61	55	50	46	53	49	45
4	58	50	44	40	56	49	44	39	47	43	39
5	54	45	39	35	52	44	39	34	43	38	34
6	50	41	35	30	48	40	34	30	39	34	30
7	46	37	31	27	45	37	31	27	35	30	27
8	43	34	28	24	42	33	28	24	33	28	24
9	40	31	26	22	39	31	26	22	30	25	22
10	38	29	24	20	37	29	23	20	28	23	20

Based on floor reflectance of 20

1 T5HO



PHOTOMETRIC CURVE



Test Lamp: 1x F54T5HO

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

Efficiency: 69.7%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	1570	1570	1570	1570	1570	
5	1556	1558	1555	1569	1613	84
15	1482	1480	1496	1483	1476	357
25	1309	1323	1312	1270	1256	564
35	1104	1104	1066	1008	983	656
45	882	863	797	727	705	635
55	641	619	542	482	457	527
65	427	396	332	279	267	376
75	238	202	148	117	110	211
85	67	42	36	35	34	72
90	5	4	4	4	3	

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	7384	4170	3294
55	6356	2948	2169
65	5398	1944	1334
75	4322	968	595
85	2296	275	211

COEFFICIENTS OF UTILIZATION (%)

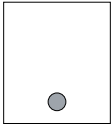
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	83	83	83	83	81	81	81	81	78	78	78
1	77	74	71	68	75	72	70	67	69	67	65
2	70	65	61	57	69	64	60	56	61	58	55
3	65	58	52	48	63	57	52	48	55	50	47
4	59	52	46	41	58	51	45	41	49	44	41
5	55	46	41	36	54	46	40	36	44	39	36
6	51	42	36	32	50	42	36	32	40	35	32
7	47	38	33	29	46	38	32	28	37	32	28
8	44	35	30	26	43	35	29	26	34	29	25
9	42	33	27	23	41	32	27	23	31	27	23
10	39	30	25	21	38	30	25	21	29	24	21

Based on floor reflectance of 20

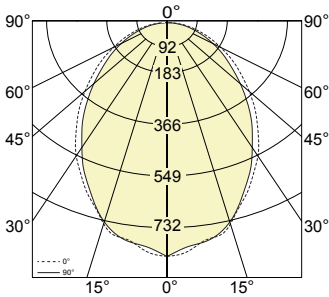
i All IES files for other lamping are available for download at: www.axislighting.com

PHOTOMETRIC DATA

I T8



PHOTOMETRIC CURVE



Test Lamp: 1xF32T8
 IES FILE: BBR-F-FL-4-T8-1

Efficiency: 64.1%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	824	824	824	824	824	
5	811	812	809	812	794	44
15	767	762	752	756	757	182
25	664	668	657	650	646	285
35	560	552	541	529	522	335
45	439	428	416	403	399	330
55	317	311	294	285	278	283
65	208	205	195	185	180	213
75	115	112	107	100	96	133
85	40	37	31	28	27	54
90	5	4	2	1	1	

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	77	77	77	77	75	75	75	75	71	71	71
1	70	67	65	62	69	66	63	61	63	61	59
2	64	59	55	51	63	58	54	51	56	52	50
3	59	52	47	43	57	51	47	43	49	45	42
4	54	47	41	37	53	46	41	37	44	40	36
5	50	42	36	32	49	41	36	32	40	35	32
6	46	38	32	28	45	37	32	28	36	32	28
7	43	35	29	25	42	34	29	25	33	29	25
8	40	32	26	23	39	31	26	23	31	26	23
9	38	29	24	21	37	29	24	21	28	24	21
10	35	27	22	19	35	27	22	19	26	22	19

Based on floor reflectance of 20

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3881	2220	1883
55	3330	1624	1324
65	2784	1147	897
75	2227	700	513
85	1462	236	161

COEFFICIENTS OF UTILIZATION (%)

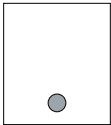
Ceiling	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
Wall	70	50	30	10	70	50	30	10	50	30	10
0	72	72	72	72	71	71	71	71	68	68	68
1	66	64	61	59	65	62	60	58	60	58	56
2	60	56	52	48	59	54	51	48	52	49	46
3	55	49	44	40	54	48	43	40	46	42	39
4	51	43	38	34	49	43	38	34	41	37	33
5	47	39	33	29	45	38	33	29	37	32	29
6	43	35	30	26	42	34	29	26	33	29	25
7	40	32	26	23	39	31	26	23	30	26	22
8	37	29	24	20	36	29	24	20	28	23	20
9	35	27	22	18	34	26	21	18	26	21	18
10	33	25	20	17	32	24	20	16	24	19	16

Based on floor reflectance of 20

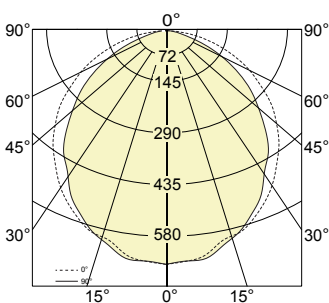
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3611	2116	1768
55	3448	1666	1317
65	3113	1159	828
75	2506	584	323
85	1221	135	102

I T8



PHOTOMETRIC CURVE



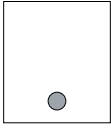
Test Lamp: 1xF32T8
 IES FILE: BBR-S-RG-4-T8-1

Efficiency: 60.7%

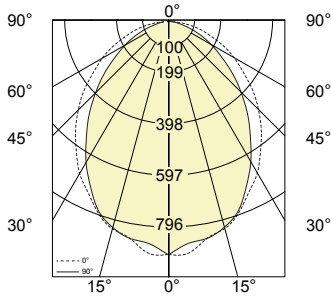
i All IES files for other lamping are available for download at: www.axislighting.com

PHOTOMETRIC DATA

I T 8



PHOTOMETRIC CURVE



Test Lamp: IxF32T8

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

Efficiency: 66.7%

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles					Zonal Lumens
	0	22.5	45	67.5	90	
0	896	896	896	896	896	
5	893	871	869	867	856	47
15	825	820	821	825	820	197
25	726	728	721	701	703	312
35	613	615	586	557	546	364
45	489	478	441	409	396	353
55	355	345	302	271	257	294
65	240	221	184	158	150	211
75	131	113	82	66	61	117
85	37	23	20	19	19	40
90	2	2	2	2	2	

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3961	2232	1786
55	3418	1589	1178
65	2949	1040	723
75	2328	522	318
85	1232	150	113

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	80	80	80	80	78	78	78	78	74	74	74
1	73	70	68	66	72	69	67	64	66	64	62
2	67	62	58	54	66	61	57	54	59	55	53
3	62	55	50	46	60	54	49	46	52	48	45
4	57	49	44	40	55	49	43	39	47	42	39
5	53	44	39	35	51	44	38	34	42	38	34
6	49	40	35	31	48	40	34	30	39	34	30
7	45	37	31	27	44	36	31	27	35	30	27
8	42	34	28	25	41	33	28	24	32	28	24
9	40	31	26	22	39	31	26	22	30	25	22
10	37	29	24	20	36	28	24	20	28	23	20

Based on floor reflectance of 20

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