BEAM6 RECESSED T5 LAMPING

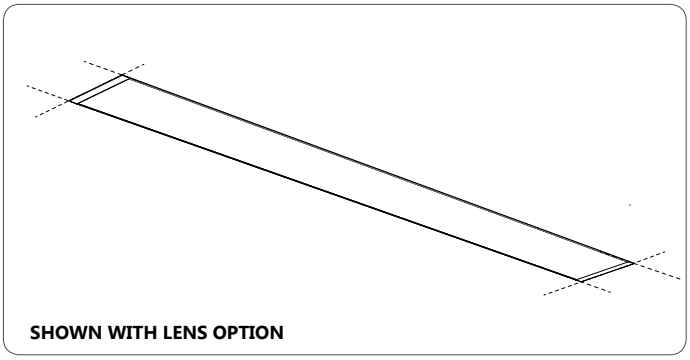
● PROJECT INFORMATION

Project:

Type:

Notes:

REVIT files are available for download at www.axislighting.com



SHOWN WITH LENS OPTION

● PRODUCT ORDERING CODE

product id	optics lens	optics position	length/ft	lamp	lamp config	MR16	finish	voltage	ballast	circuits	suspension/ mounting	other	controls	custom
B6R				**T5**										

B6R recessed

FL flush
RG* regressed
*Satin/frosted lens only

T5

MR16# MR16 halogen
MR16LED# MR16 LED (add 9" per lamp)
*For more details see page 3

UNV
120
277
347*
*Please consult factory

1 one circuit
2 two circuits
+E em. circuit
+M +MR16

B# batt. pack (specify details)
F fuse
EF end feed
CP chicago plenum
FW# flex whip (6' std)
AR 6" plate w/air return*
SR 6" sprinkler plate*
SPK 6" speaker plate*
*Only available for TB TG &ST

C custom
(describe below)

S satin lens
F frosted lens
PL semi spec para. louver

2
3
4
5
6
8
12
S# system

0 zero lamp
1 one lamp
2 two lamps
3 three lamps
+S* staggered
*staggered one or two lamps only

W white
C custom

ERS rapid start
D dimming
T step dimming
*See Ballast Guide for further details.

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

DS daylight
OS occ
DS+OS daylight+occ.
DOS daylight&occ
*See Integrated Controls Guide for further details.

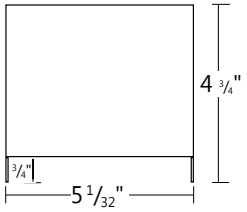
Dimming Ballast, Battery Pack and Integrated Control Details:

Custom Description:

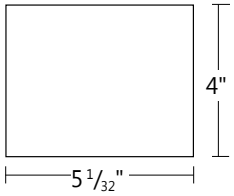
ⓘ Specification sheets for other lamping are available for download at www.axislighting.com

● DIMENSIONS

REGRESSED

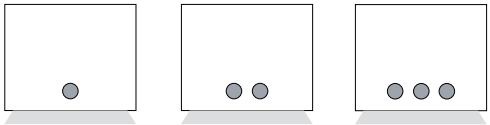


FLUSH



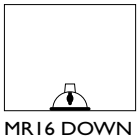
● LAMPING CONFIGURATIONS

DIRECT



1 DOWN 2 DOWN 3 DOWN

MR16 DIRECT



MR16 DOWN

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CONSTRUCTION

Housing	Extruded Aluminum (0.075'' nominal) 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)
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 12ft in length are designated as systems (S#). This means that the run is comprised of a combination 4ft, 8ft and/or 12ft 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 rapid start, Dimming (0-10V, Line, Step, EcoSystem, DALI) With preinstalled ballast disconnect as per NEC & CEC
Emergency	Emergency battery pack or emergency circuit
Voltage	120V, 277V, 347V, UNV.

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

FINISH

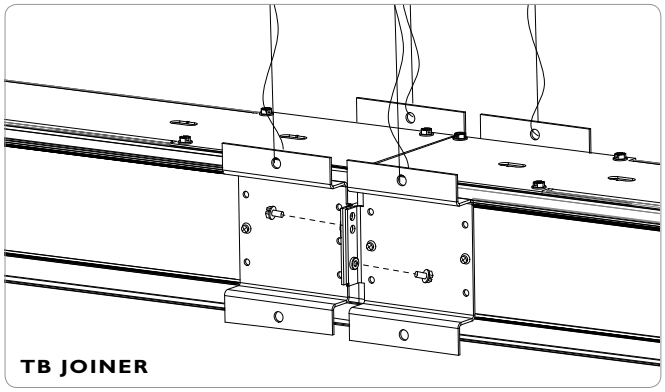
Aluminium paint, Powder Coated and custom finishes are also available.

APPROVALS

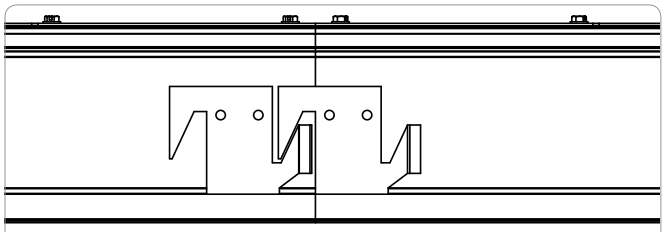
Certified to UL and CUL standards c UL us
Meets NYC requirements

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



DRYWALL JOINER

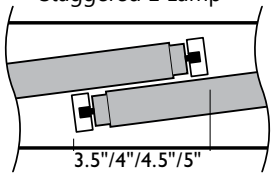
NOTE: Hang each system segment individually.
Do not assemble system prior to hanging.

STAGGERED LAMPING

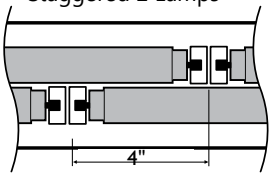
When the BEAM 6 is used in continuous runs longer than 4', staggered lamping can be used to eliminate the appearance of socket shadows at the ends of the lamps. The BEAM 6 uses a staggered overlap of 4 different bracket lengths (3.5", 4", 4.5" and 5"), along with 3' and 4' lamps, allowing us to match 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	•	•	•
2 lamps	•	•	•

Staggered 1 Lamp



Staggered 2 Lamps



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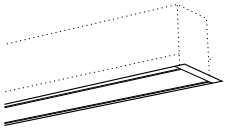
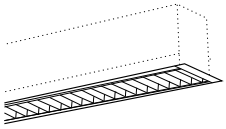
OPTICS



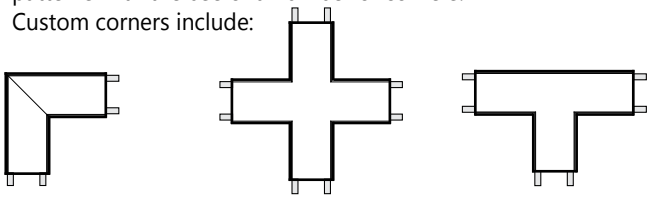
SATIN & FROSTED LENS
(acrylic snap-in lens)
satin: 68% transmissive
frosted: 85% transmissive



LOUVERS
(semi-spec. parabolic louver)
9/16'' deep blades – 5/8'' spacing
72 blades per 4'

CORNERS

UNLIT CORNERS - BEAM 6 features a multitude of layout patterns with the use of a number of corners.
Custom corners include:



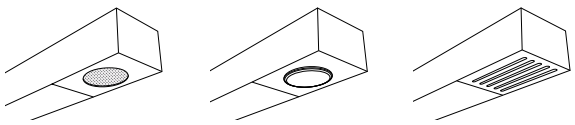
90° CORNER **X JUNCTION** **T JUNCTION**

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

Specifications sheets for all corners are available at:
www.axislighting.com

TECHZONE™ AND LOGIX™

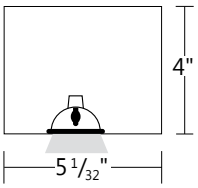
Integrated contiguous modules for PA speakers, Air Returns and Sprinkler Heads are available for our recessed Beam products to add a consistent linear system to complete the illuminated portion.

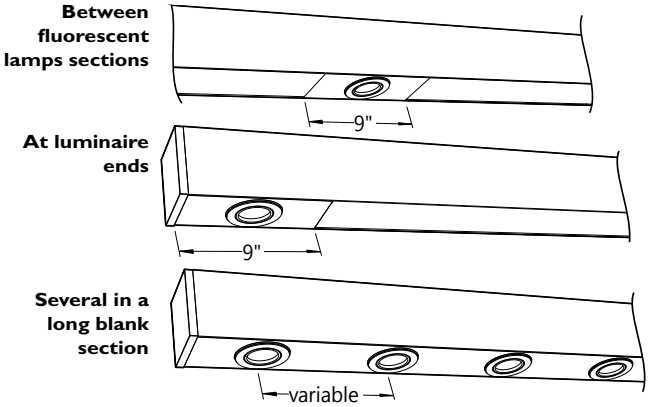


SPK SPEAKER **SR** SPRINKLER **AR** AIR RETURN

MR16

Blank	Extruded Aluminum (0.075'' nominal)
MR16 Halogens	2.0'' diameter (35W / 50W)
MR16 LED	2.0'' diameter
Quantity	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.





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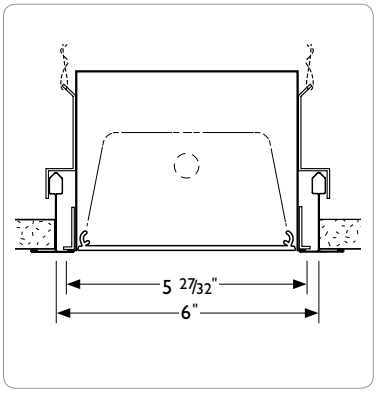
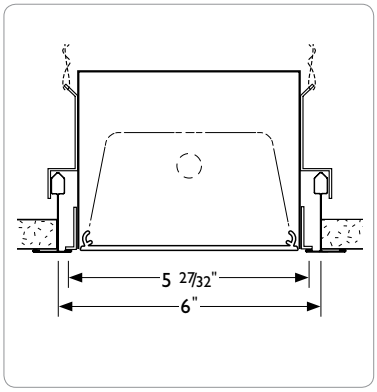
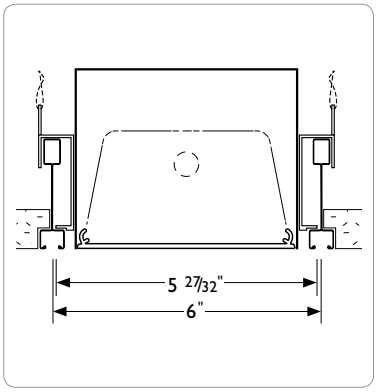
● TB CEILING MOUNTING OPTIONS



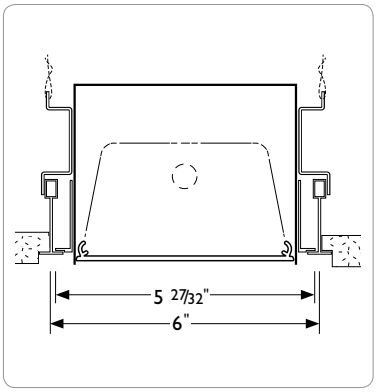
TB15 15/16" T-BAR



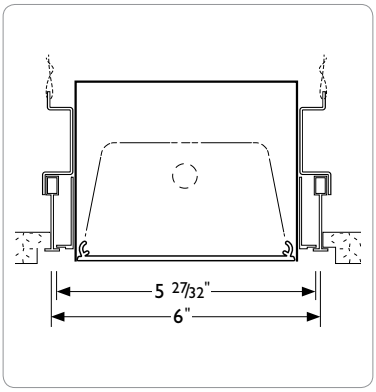
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

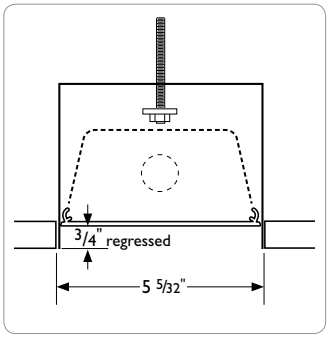


TG15 15/16" TEGULAR

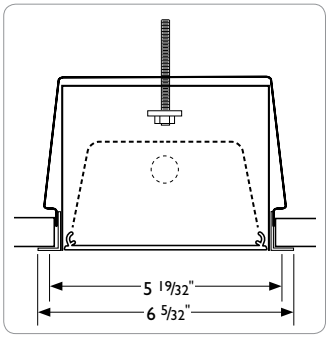


TG9 9/16" T-TEGULAR

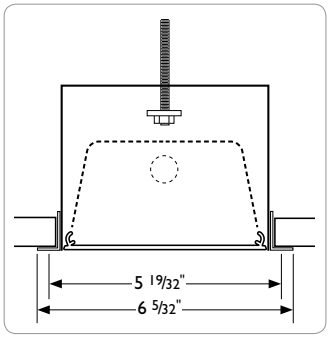
● DRYWALL CEILING MOUNTING OPTIONS



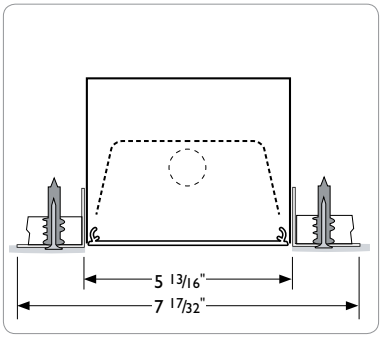
D FLANGELESS WITH 1/4-20 STUD MOUNTING



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.

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

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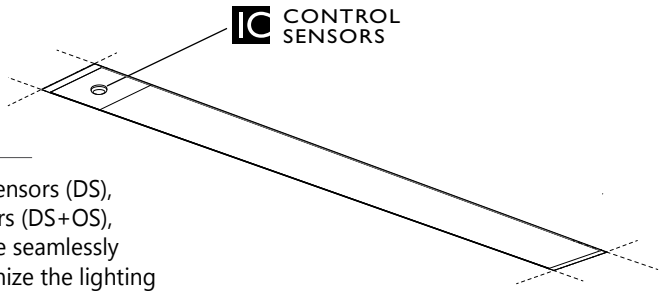


INTEGRATED CONTROL OPTIONS

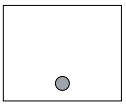
BEAM 6 luminaires allow the use of integrated controls such as daylight sensors (DS), occupancy sensors (OS), individual daylight sensors and occupancy sensors (DS+OS), and combination daylight/occupancy sensors (DOS). These options can be seamlessly integrated into our luminaires. The control system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

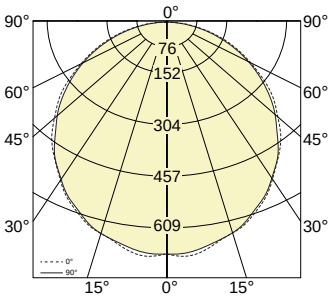
SENSORS	BRAND	Model	TYPE	CODE	COMPATIBLE DIMMING BALLAST
Daylight Sensor (DS)	Lutron	EC-DIR-WH	Daylight	LD	EcoSystem
	Wattstopper	FD-301	Daylight	WD	0-10V
	Philips	Luxsense	Daylight	PL	0-10V
Occupancy Sensor (OS)	Wattstopper	FS-205	PIR Occupancy	WP1	Programmed Rapid Start
		FS-355	PIR Occupancy	WP2	Programmed Rapid Start
		FS-155	PIR Occupancy	WP3	Programmed Rapid Start
		FS-505	Ultrasonic Occupancy	WU1	Programmed Rapid Start
		FS-505C	Ultrasonic Occupancy	WU2	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

1 T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5
IES FILE: B6R-S-FL-4-T5-1

Efficiency: 69.4%

CANDELA DISTRIBUTION

	Horizontal Angles					Zonal Lumens
Vertical Angle	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)

	Horizontal Angles		
Vertical Angle	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		
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

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

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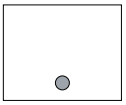
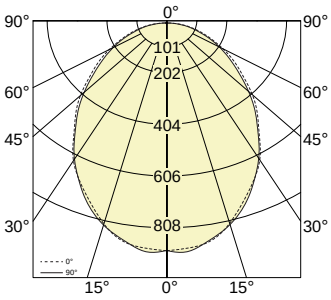
PHOTOMETRIC DATA

1 T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5

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

Efficiency: 75.1%

CANDELA DISTRIBUTION

	Horizontal Angles					Zonal Lumens
Vertical Angle	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	

LUMINANCE DATA (CD/M2)

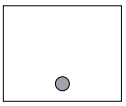
	Horizontal Angles		
Vertical Angle	0	45	90
45	4276	2812	2525
55	3712	2164	1854
65	3197	1578	1319
75	2620	1004	795
85	1816	400	289

COEFFICIENTS OF UTILIZATION (%)

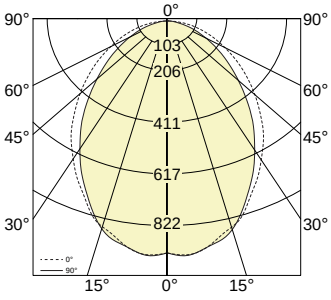
Ceiling	80				70				50		
Wall	70	50	30	10	70	50	30	10	50	30	10
0	90	90	90	90	88	88	88	88	84	84	84
1	82	79	75	73	80	77	74	71	74	71	69
2	75	69	64	60	73	67	63	59	65	61	58
3	69	61	55	50	67	60	54	50	57	53	49
4	63	54	48	43	61	53	47	42	51	46	42
5	58	49	42	37	56	48	42	37	46	41	37
6	54	44	37	33	52	43	37	33	42	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

1 T5



PHOTOMETRIC CURVE



Test Lamp: 1xF28T5

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

Efficiency: 72.0%

CANDELA DISTRIBUTION

	Horizontal Angles					Zonal Lumens
Vertical Angle	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	

LUMINANCE DATA (CD/M2)

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

COEFFICIENTS OF UTILIZATION (%)

Ceiling	80				70				50		
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

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

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