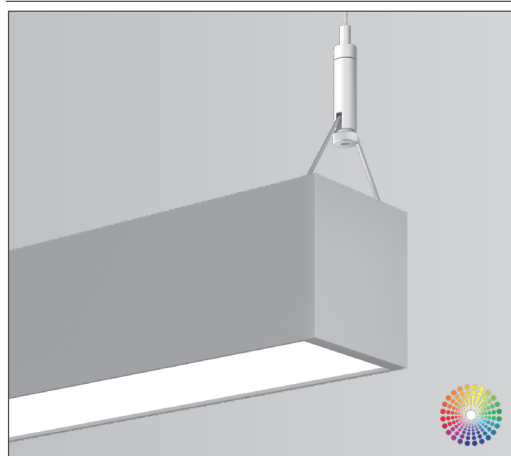
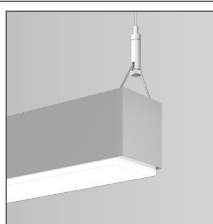


Beam 2 Square

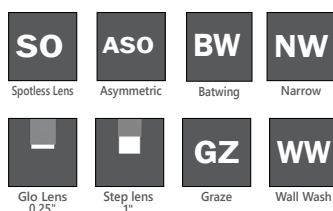
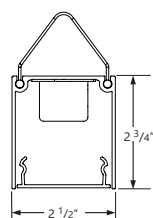
RGB+W Pendant mount - Direct



Spotless lens



0.25" Glo lens



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1100 lm/ft	16.4 W/ft	67 lm/W	SO
1100 lm/ft	16.4 W/ft	67 lm/W	0.25G
1200 lm/ft	16.4 W/ft	73 lm/W	1M
1000 lm/ft	16.4 W/ft	61 lm/W	NW
1000 lm/ft	16.4 W/ft	61 lm/W	GZ
1000 lm/ft	16.4 W/ft	61 lm/W	WW
1000 lm/ft	16.4 W/ft	61 lm/W	ASO
950 lm/ft	16.4 W/ft	59 lm/W	BW

Please consult factory for custom lumen output and wattage.



Ordering Guide

B2SQDLED		90			
PRODUCT ID	NOM. LUMENS/FT	CRI	COLOR TEMP. (choose one)	SHIELDING	LENGTH
B2SQDLED RGB+W Pendant Direct	1200 1200 lm/ft	90 90 CRI	CTRGBW30 RGB+30K White - Color Tuning	SO spotless lens	4 4'
	1000 1000 lm/ft - for GZ, NW, WW, ASO, BW*		CTRGBW35 RGB+35K White - Color Tuning	0.25G 0.25" Glo lens	5 5'
			CTRGBW40 RGB+40K White - Color Tuning	1M StepLens, lum. end cap	6 6'
				ASO asymmetric, flush only	8 8'
				BW batwing, flush only	12 12'
				NW narrow, flush only	S(L) system run
				GZ graze, flush only	
				WW wallwash, flush only	
Available with CT(DMX) driver only.				3" increments are available for lengths over 4 feet.	

FINISH	VOLTAGE	CT(DMX) DRIVER	CIRCUITS	MOUNTING/SUSPENSION	CUSTOM (OPT.)
AP aluminum paint	120 120 V	CT(DMX) color tuning driver	1 1 circuit	CA(#) drywall+cable length (36" std.)	C custom
W white	277 277 V		+E(#) emergency circuit*	CT9(#) TB/TG 9/16+cable length (36" std.)	
BLK black	UNV universal			CT15(#) TB/TG15/16+cable length (36" std.)	
C custom				CTS(#) screw slot+cable length (36" std.)	
				SA(#) drywall+stem length >48" (18" std.)	
				CASL(#) drywall cable sloped ceiling	
				SASL(#) drywall stem sloped ceiling	
			*Specify quantity	See Mounting kit guide for full specification code. White canopy standard	Please specify

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Louvers	Die formed semi-specular aluminum (22 gauge)
Lenses	Extruded acrylic (0.070" nominal)
Hanger	adjustable slide mount
Suspension	Y shape aircraft cable or Ø 1/2" stem
Cable Grips	Quick connecting / release

● OPTICS



SO	Spotless lens
ASO	Asymmetric lens
WW	Wall Wash
NW	Narrow Distribution
GZ	Graze
BW	Batwing

1M Step lens

SPOTLESS LENS

Frosted acrylic snap-in micro lens. Used for SO, ASO, BW, NW, GZ and WW shielding options.

GLO LENS

0.25" frosted acrylic drop lens. Patented design.

● SYSTEM (S#)

BEAM2 SQUARE 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 BEAM2 SQUARE that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of 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.

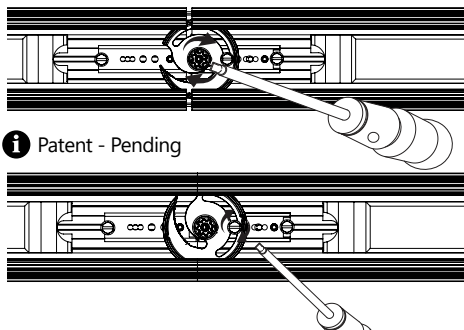
● InstaJoiner

BEAM2 SQUARE luminaires feature InstaJoiner, a unique, patent-pending joining system developed by Axis offering fast, single-screw tightening.

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 wall.



i Patent - Pending

● ELECTRICAL

RGB+W color tuning DMX - Standard
CT driver

Emergency Emergency circuit optional.

Input Voltage 120V, 277V, UNV.

i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

● LED SYSTEM

CRI Color Tuning 90 CRI for CTRGBW.

Note: RGB+W allows you to select the 'white point' (CCT) + CRI, delivering a more flexible and powerful white than standard RGBW.

CCT Color Tuning 30 (3000K)
35 (3500K)
40 (4000K)

[Consult Axitune technical sheet for more information on color technology.](#)

LED life Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.

Thermal Management Aluminum housing acting as the heat sink to maximize life.

Environment Dry and damp rated for indoor use only in operating ambient temperatures of -20° - +40°C (-4 - +104F).

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at axislighting.com.

● APPROVALS

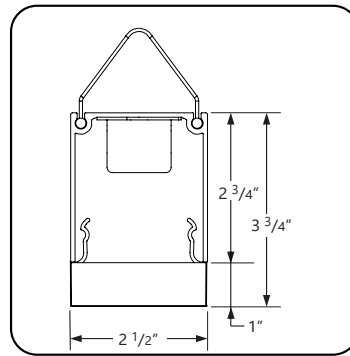
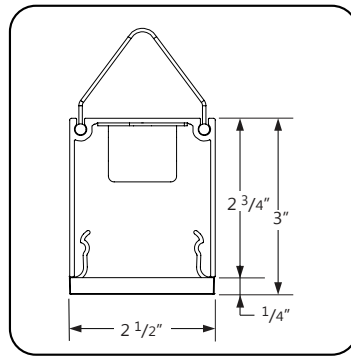
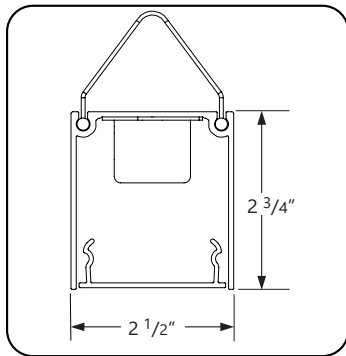
Certified to UL and CUL standards 

Meets NYC requirements

Meets ADA requirements.

Suitable for damp locations, indoor only.

SECTION VIEWS



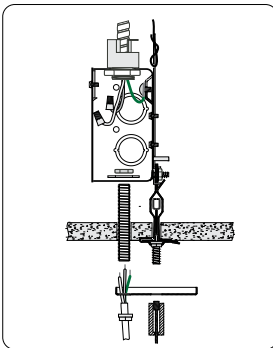
SO Spotless lens
ASO Asymm. lens
NW Narrow lens
GZ Graze lens
WW Wallwash lens
BW Batwing lens

0.25G 0.25" Glo lens

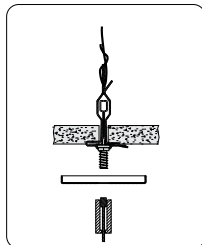
1M 1" Step Lens

MOUNTING OPTIONS

CT TILE CEILING - ON GRID

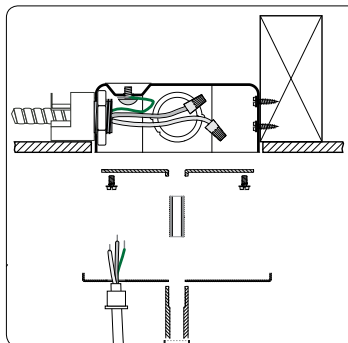


Power feed

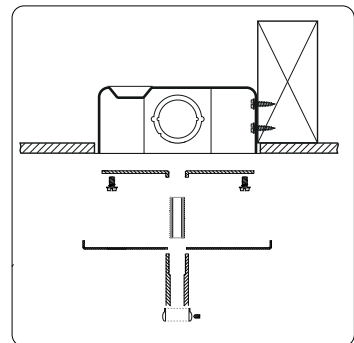


Non power feed

SA STEM MOUNT IN DRYWALL CEILING

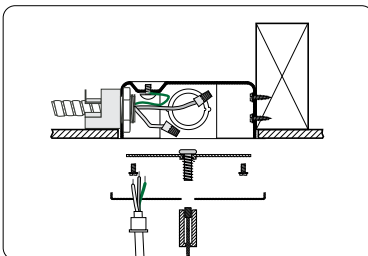


Power feed

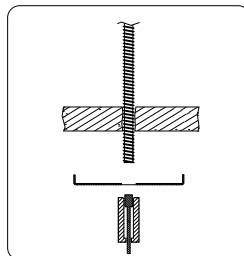


Non power feed

CA DRYWALL CEILING



Power feed



Non power feed

OTHER MOUNTING OPTIONS

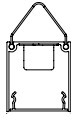
BEAM 2 SQUARE is also available with surface, wall, and recessed mounting options.

i Specification sheets and installation sheets for all mountings for BEAM 2 SQUARE luminaires are available for download at www.axislighting.com

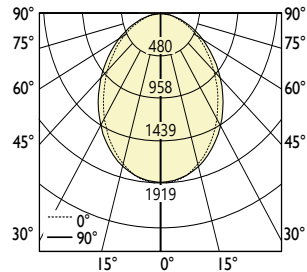
● PHOTOMETRIC DATA

SO - Spotless lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4401 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 67 lm/W

IES FILE: B2SQxxLED-1100-90-CTRGBW30-SO-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1916	1916	1916	1916	1916
5	1905	1896	1893	1889	1885
15	1802	1783	1758	1740	1735
25	1608	1576	1537	1497	1483
35	1346	1309	1256	1205	1187
45	1052	1019	964	911	891
55	759	732	685	640	626
65	486	467	435	404	394
75	250	238	223	206	202
85	69	63	56	49	48
90	4	4	3	3	3

ZONAL LUMENS

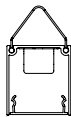
Zone	Lumens
0	
0-10	180
10-20	502
20-30	722
30-40	808
40-50	769
50-60	638
60-70	453
70-80	253
80-90	76
90	

LUMINANCE DATA (cd/m²)

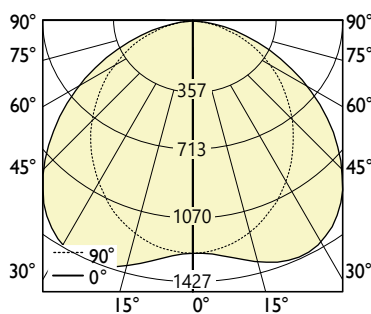
Vertical Angle	Horizontal Angles		
	0	45	90
45	20339	18626	17230
55	18086	16333	14909
65	15732	14062	12727
75	13187	11766	10651
85	10894	8816	7522

BW Batwing

950 lm/ft



PHOTOMETRIC CURVE



Lumen/ft 950 lm/ft
Luminaire Lumens: 3848 lm
Input Watts: 65.41 W
Efficacy: 59 lm/W

IES FILE: B2SQxxLED-950-90-CTRGBW30-BW-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1122	1122	1122	1122	1122
5	1114	1119	1129	1140	1145
15	1055	1088	1163	1242	1275
25	944	1012	1186	1351	1404
35	800	893	1134	1346	1411
45	644	744	1005	1161	1198
55	486	569	762	883	906
65	329	383	502	577	587
75	173	197	256	287	292
85	37	44	57	60	60
90	3	2	3	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	108
10-20	330
20-30	543
30-40	694
40-50	731
50-60	646
60-70	472
70-80	258
80-90	66
90	

LUMINANCE DATA (cd/m²)

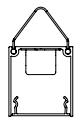
Vertical Angle	Horizontal Angles		
	0	45	90
45	12442	19428	23148
55	11573	18151	21582
65	10650	16240	18994
75	9152	13518	15407
85	5724	8909	9437

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

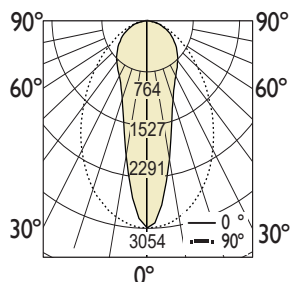
● PHOTOMETRIC DATA

NW narrow - Down

1000 lm/ft



PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	3054	3054	3054	3054	3054
5	3032	2989	2875	2763	2731
15	2805	2460	1921	1619	1540
25	2392	1820	1266	1079	1041
35	1860	1325	936	852	842
45	1315	960	722	688	689
55	850	671	534	527	534
65	490	419	355	361	372
75	223	203	183	191	199
85	40	40	41	40	39
90	2	2	2	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	258
10-20	563
20-30	669
30-40	691
40-50	645
50-60	538
60-70	385
70-80	208
80-90	50
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	25604	14059	13424
55	20396	12809	12829
65	15969	11554	12106
75	11883	9757	10581
85	6389	6471	6193

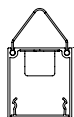
Lumen/ft: 1000 lm/ft
Total Lumens: 4007 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 61 lm/W

IES FILE: B2SQxxLED-1000-90-CTRGBW30-NW-4.ies

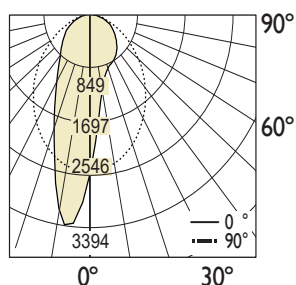
TESTED ACCORDING TO IES LM-79-2008

GZ Graze

750 lm/ft



PHOTOMETRIC CURVE



CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	2534	2534	2534	2534	2534
5	2484	2100	1835	1681	1651
15	2321	1446	1114	1010	991
25	2038	1060	879	866	873
35	1682	833	774	788	797
45	1294	667	648	653	663
55	892	507	493	512	535
65	511	333	333	367	392
75	219	168	175	201	216
85	38	34	37	39	38
90	2	2	2	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	234
10-20	561
20-30	686
30-40	701
40-50	647
50-60	539
60-70	384
70-80	205
80-90	48
90	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	25201	12620	12916
55	21421	11840	12839
65	16648	10844	12779
75	11669	9287	11499
85	6043	5811	6045

Lumen/ft 1000 lm/ft
Total Lumens: 4006 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 61 lm/W

IES FILE: B2SQxxLED-1000-90-CTRGBW30-GZ-4.ies

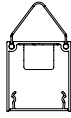
TESTED ACCORDING TO IES LM-79-2008

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

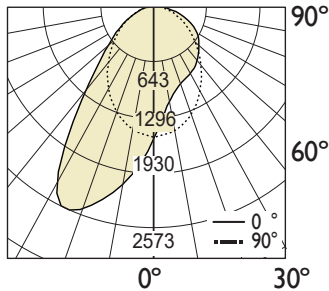
● PHOTOMETRIC DATA

WW Walwash

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 3997 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 61 lm/W

IES FILE: B2SQxxLED-1000-90-CTRGBW30-WW-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1530	1530	1530	1530	1530
5	1501	1399	1327	1283	1272
15	1397	1154	1049	1012	1003
25	1203	950	901	904	909
35	961	782	791	825	842
45	720	628	657	704	734
55	505	470	495	575	626
65	319	306	331	427	475
75	162	156	175	239	263
85	33	34	40	50	46
90	3	3	3	3	2

ZONAL LUMENS

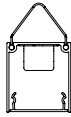
Zone	Lumens
0	
0-10	146
10-20	438
20-30	704
30-40	802
40-50	712
50-60	560
60-70	385
70-80	202
80-90	47
90	

LUMINANCE DATA (cd/m²)

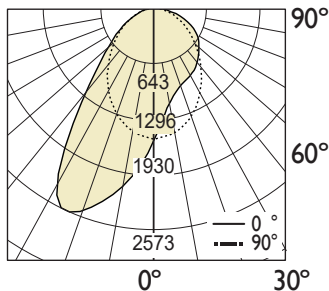
Vertical Angle	Horizontal Angles		
	0	45	90
45	14017	12801	14292
55	12117	11873	15022
65	10387	10788	15464
75	8600	9308	14006
85	5282	6357	7295

ASO Asymmetric

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 3997 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 61 lm/W

IES FILE: B2SQxxLED-1000-90-CTRGBW30-ASO-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1530	1530	1530	1530	1530
5	1501	1399	1327	1283	1272
15	1397	1154	1049	1012	1003
25	1203	950	901	904	909
35	961	782	791	825	842
45	720	628	657	704	734
55	505	470	495	575	626
65	319	306	331	427	475
75	162	156	175	239	263
85	33	34	40	50	46
90	3	3	3	3	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	146
10-20	438
20-30	704
30-40	802
40-50	712
50-60	560
60-70	385
70-80	202
80-90	47
90	

LUMINANCE DATA (cd/m²)

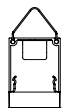
Vertical Angle	Horizontal Angles		
	0	45	90
45	14017	12801	14292
55	12117	11873	15022
65	10387	10788	15464
75	8600	9308	14006
85	5282	6357	7295

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

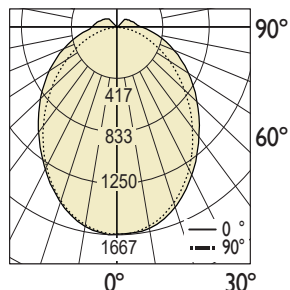
● PHOTOMETRIC DATA

1M 1" Step lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/f: 1200 lm/ft
Total Lumens: 4797 lm (for 4ft)
Input Watts: 65.41 W
Efficacy: 73 lm/W

IES FILE: B2SQxxLED-1200-90-CTRGBW30-1M-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1664	1664	1664	1664	1664
5	1651	1647	1647	1645	1647
15	1555	1550	1536	1521	1517
25	1375	1367	1345	1318	1311
35	1135	1135	1116	1099	1096
45	870	886	892	896	900
55	616	651	687	710	717
65	390	444	501	535	544
75	205	268	340	378	385
85	68	138	212	247	254
90	20	92	166	202	208
95	18	84	153	186	191
105	15	68	119	158	164
115	13	50	96	122	134
125	10	38	78	102	114

ZONAL LUMENS

Zone	Lumens
0	
0-10	157
10-20	437
20-30	630
30-40	713
40-50	702
50-60	621
60-70	495
70-80	350
80-90	217
90	
90-100	144
100-110	115
110-120	85
120-130	62
130-140	
140-150	
150-160	
160-170	
170-180	69
180	

LUMINANCE DATA (cd/m²)

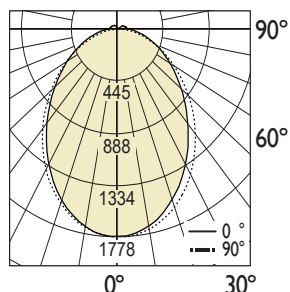
Vertical Angle	Horizontal Angles		
	0	45	90
45	15405	7301	6131
55	12983	5559	4720
65	10549	4137	3563
75	8081	2951	2592
85	5282	2004	1810

0.25G 0.25" Glo lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/f: 1100 lm/ft
Total Lumens: 4399 lm (for 4ft)
Input Watts: 65.41W
Efficacy: 67 lm/W

IES FILE: B2SQxxLED-1100-90-CTRGBW30-0.25G-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1776	1776	1776	1776	1776
5	1767	1763	1760	1756	1753
15	1669	1656	1643	1627	1622
25	1487	1466	1438	1407	1398
35	1239	1220	1182	1143	1129
45	965	950	915	879	867
55	694	687	667	640	631
65	445	449	445	436	433
75	231	245	260	267	269
85	70	91	118	134	140
90	9	33	62	81	88
95	9	28	52	69	75
105	7	21	40	60	66
115	7	16	32	46	52
125	9	14	27	37	44

ZONAL LUMENS

Zone	Lumens
0	
0-10	167
10-20	465
20-30	667
30-40	747
40-50	716
50-60	603
60-70	445
70-80	276
80-90	126
90	
90-100	55
100-110	45
110-120	33
120-130	25
130-140	
140-150	
150-160	
160-170	
170-180	29
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	18646	17693	16752
55	16538	15882	15044
65	14388	14395	14006
75	12182	13754	14229
85	10901	18461	22013

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