

Shielding option



Adjustable downlight

Project _____

Type _____

Notes _____

A configuration drawing is required

See page 3 (Adjustable Downlight)

PERFORMANCE PER LINEAR FOOT AT 4000K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1200 lm/ft	9.4 W/ft	128 lm/W	SO
1200 lm/ft	10 W/ft	119 lm/W	UB

* Based on a 4 foot luminaire using one driver
Please consult factory for custom lumen output and wattage.



Ordering Guide

B6DLED	PRODUCT ID	NOM. LUMENS/FT	CRI	COLOR TEMP. (Choose One)	SHIELDING	LENGTH
B6DLED	Beam 6	400	80	27 2700 K	SO	2 2'
	Pendant Direct	1200	90	30 3000 K	UB	3 3'
				35 3500 K		4 4'
				40 4000 K		5 5'
				B30 3000 K - BIOS*		6 6'
				B35 3500 K - BIOS*		8 8'
				B40 4000 K - BIOS*		12 12'
						S# system run
	Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		* Not available with BIOS.		* Default lens for Tunable white and BIOS. Consult factory for other lens.	
			Consult Axitune technical sheet for more information of color technology.			
			Consult BIOS guide for more information on BIOS technology			

MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER	CIRCUITS
M16LED(#)	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
M16LEDB(#)	W white	277 277 V	LT Lutron*	2 2 circuits
	BLK black	347 347 V*	BI bi-level dimming	+E(#) emergency circuit*
	C custom	UNV universal	O other**	+NL(#) night light circuit*
		DC low voltage**	DPB(STC) dimming (0-10V) 1% with BIOS*	+GTD(#) generator transfer device*
			DPB(DYN) Bio-dimming™ 100%-81% with BIOS*	+LDI led downlight insert
			TW(#) tunable white drivers*	+M MR
			POE(#) POE drivers*	
* Specify quantity; Available with 120V or 277V only; Line wattage only; Separate circuits included		* D dimming (0-10V) 5% standard	*See page 2 to specify system.	* Specify quantity
** Consult factory; See page 3 for more details. Available with UNV, 120V or 277V only; MR16 constant current for 0-10V & DALI only		** Only available with POE drivers.	**Please consult factory; see page 2	
Available in luminaires with Axitune and BIOS but downlight modules will not be tunable white or BIOS LEDs.				

MOUNTING	BATTERY (OPTIONAL)	OTHER (OPT.)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
CA(#) drywall+cable length (36" std.)	B# battery pack 4' sections	D dust cover	DS(#) daylight sensor	C custom
CT9(#) TB/TG 9/16+cable length (36" std.)			OS(#) occupancy sensor	
CT15(#) TB/TG15/16+cable length (36" std.)			DOS(#) daylight & occupancy sensor	
CTS(#) screw slot+cable length (36" std.)			EN(#) Enlighted integral *	
SA(#) drywall+stem length >48" (18" std.)			ENR(#) Enlighted remote **	
CASL(#) drywall cable sloped ceiling			WC(#) wireless control dimming	
SASL(#) drywall stem sloped ceiling				
+SM seismic kit				
See Mounting kit guide for full specification code.	Not available with 347V Please consult factory		* For flush and recessed option only; Please consult factory ** Please consult factory Specify quantity. Requires 8" blank See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	Please specify

Ordering Guide - Adjustable Downlight Only (Optional) *Configuration drawing needed!

ADJUSTABLE DOWNLIGHT MODULE QTY	TRIM	COLOR TEMP.	BEAM SPREAD	DOWNLIGHT FINISH
ADM(#) adjustable downlight module quantity*	CO cone	27 2700 K	15D 15 deg	BLK black
	PI pinhole	30 3000 K	36D 36 deg	W white
		35 3500 K	60D 60 deg	
		40 4000 K		
* Distance between downlight is minimum 12", 35° adjustability. See page 3 for more details. Compatible with DP driver only.		See page 2 for more details.		

ELECTRICAL

Lutron driver	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*Choose driver from available options.

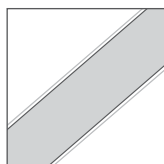
i Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) up to 70% recycled content
Interior Brackets	Die Formed Sheet Steel (18 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Blank Lens	Extruded aluminum (0.075" nominal)
T-Bar Bracket	Spotless frosted acrylic lens
Screw Slot T-Bar Bracket	Die formed sheet steel (16 gauge)
Slip-Through Bracket	Die formed sheet steel (18 gauge)
Spackle Flange	Die formed perforated sheet steel (20 gauge)
Flange	Extruded aluminum (0.075" nominal) visible flange width: 9/16"

OPTICS



SO spotless lens
UB Ultra Blend Lens

SPOTLESS LENS

Frosted acrylic snap-in lens with micro lens

ULTRA BLEND LENS

Frosted acrylic snap-in micro lens suitable for Tunable White and BIOS applications.

LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	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 0-40°C (32-104°F).

SYSTEM (S#)

BEAM 6 LED 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 LED that are greater than 12ft 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 6 LED installation sheets available for download at www.axislighting.com.

● FINISH

Powder coated and custom finishes are also available.

● WEIGHT

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

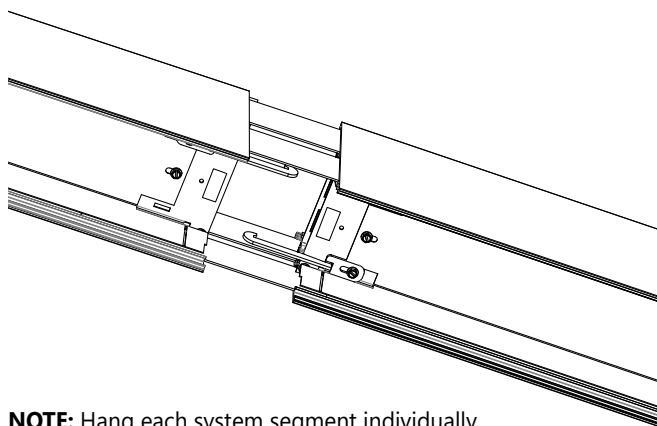
● APPROVALS

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



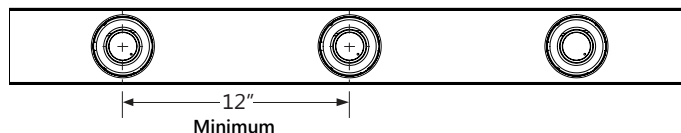
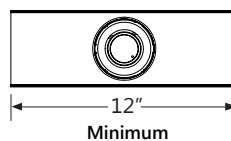
● JOINERS

In order to allow very long runs of BEAM6 LED luminaires, Axis has developed an effective joining system. Special care has been taken to maximize the performance of the joiner for each BEAM6 LED option.



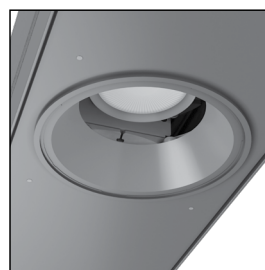
NOTE: Hang each system segment individually.
Do not assemble system prior to hanging.

● ADJUSTABLE DOWNLIGHT

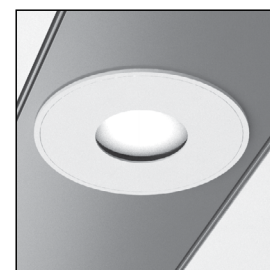


35 degree adjustability

● ADJUSTABLE DOWNLIGHT TRIM OPTIONS



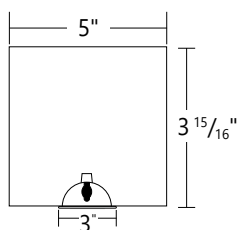
Adjustable Downlight - Cone



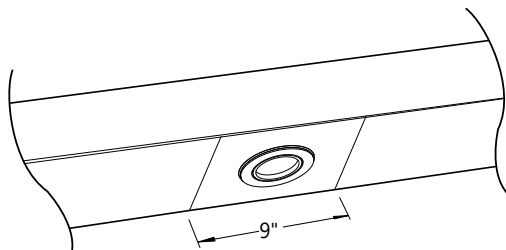
Adjustable Downlight - Pinhole

● MR16 LED LAMPS

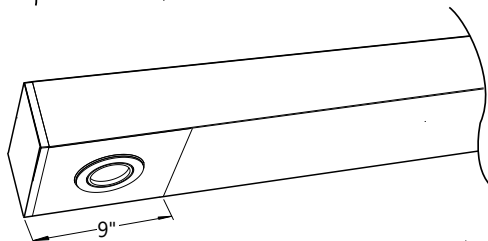
Blank	Extruded aluminum (0.075" nominal)
MR16 LED	Adjustable LED lamp (provided)- Line voltage dimming only
MR16 LEDB	Constant current LED lamp (provided)- Dimmable by control system for 0-10V DALI only
Quantity	For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.
Spacing	Each MR16 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.



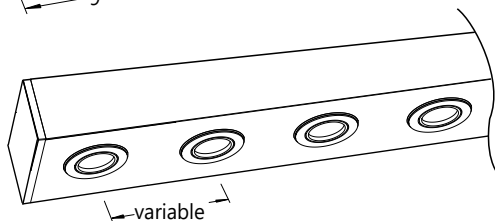
**Between
sections**



**At luminaire
ends**



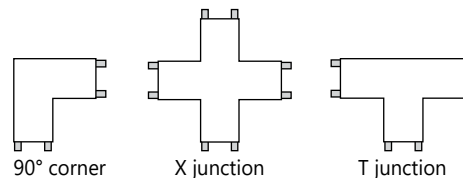
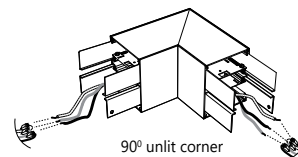
**Several in a
long blank
section**



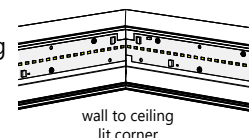
Base Type	GU 5.3
Beam Angle	40 nominal degrees
Input Watts	6W
Nominal Lumens	300 lumens
Efficacy	50 lumens per watt
Color Rendering Index (CRI)	85
Center Beam Candle Power (CBCP)	584 candelas
Life	25,000 hours at L ₇₀
Correlated color temperature (CCT)	2700K, 3000K
Adjustability	15° tilt

● CORNERS

Unlit Corners - BEAM 6 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



Lit Corners - Axis also offers Lit 90° corners including ceiling to ceiling, wall to ceiling and ceiling to wall.



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

*For StepLens please consult factory.

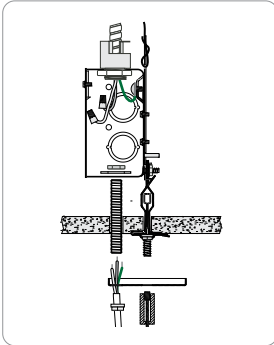
● WARRANTY

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.

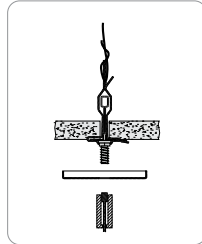
i More options are available upon request. Please consult factory.

● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

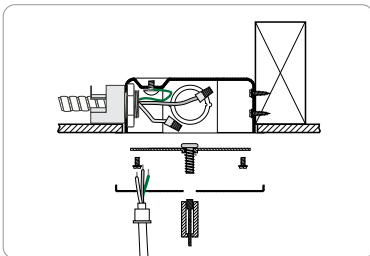


Power feed

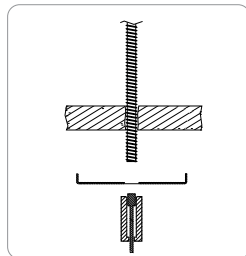


Non power feed

CA DRYWALL CEILING

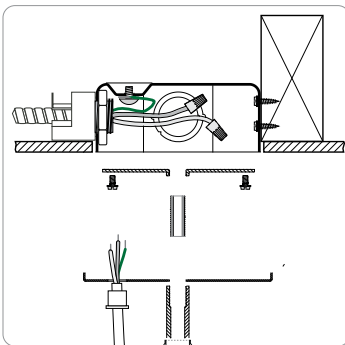


Power feed

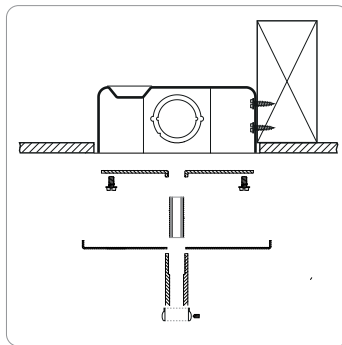


Non power feed

SA STEM MOUNT IN DRYWALL CEILING



Power feed



Non power feed

● OTHER MOUNTING OPTIONS

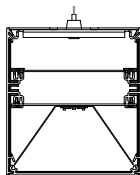
BEAM6 LED is also available with recessed, surface, wall and recessed vertical mounted options.

i Specification sheets and installation sheets for all mountings for BEAM6 LED luminaires are available for download at www.axislighting.com

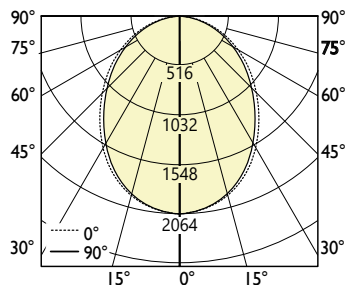
● PHOTOMETRIC DATA

SO Spotless lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1200 lm/ft
Total Lumens: 4800 lm (for 4ft)
Input Watts: 37.6 W
Efficacy: 128 lm/W

IES FILE: B6DLED-1200-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2064	2064	2064	2064	2064
5	2052	2048	2047	2048	2047
15	1943	1935	1922	1909	1907
25	1737	1721	1694	1666	1657
35	1459	1438	1400	1362	1348
45	1147	1126	1084	1045	1028
55	833	815	780	744	731
65	541	528	505	480	471
75	288	282	273	262	258
85	89	87	87	84	83
90	9	9	9	9	10

ZONAL LUMENS

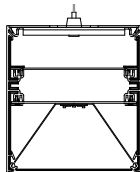
Zone	Lumens
0	
0-10	194
10-20	541
20-30	779
30-40	874
40-50	836
50-60	697
60-70	498
70-80	287
80-90	95
90	

LUMINANCE DATA (cd/m²)

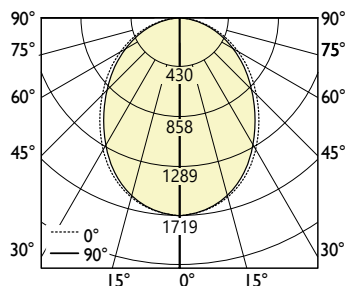
Vertical Angle	Horizontal Angles		
	0	45	90
45	10473	9896	9390
55	9381	8781	8234
65	8263	7713	7194
75	7173	6811	6437
85	6561	6414	6152

UB Ultra blend lens

1200 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1200 lm/ft
Total Lumens: 4800 lm (for 4ft)
Input Watts: 40.2 W
Efficacy: 119 lm/W

IES FILE: B6DLED-1200-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1719	1719	1719	1719	1719
5	1710	1710	1711	1710	1711
15	1645	1643	1642	1640	1639
25	1512	1510	1509	1509	1503
35	1332	1327	1324	1321	1315
45	1110	1105	1096	1092	1092
55	861	856	845	843	843
65	598	595	586	587	587
75	338	334	331	333	335
85	112	109	107	109	110
90	6	8	9	8	7

ZONAL LUMENS

Zone	Lumens
0	
0-10	162
10-20	462
20-30	694
30-40	826
40-50	846
50-60	758
60-70	582
70-80	352
80-90	118
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	10458	10327	10282
55	9995	9818	9790
65	9425	9231	9258
75	8702	8507	8632
85	8595	8212	8383

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

● PHOTOMETRIC DATA FOR LED DOWNLIGHT INSERT

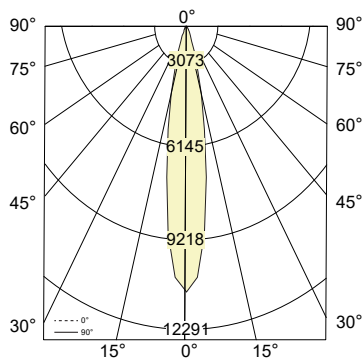
PERFORMANCE

	LUMENS	WATTS	EFFICACY
ADM15 - NARROW	1717	21.01 W/ft	82 lm/W
ADM36 - MEDIUM	1550	21.01 W/ft	89 lm/W
ADM60 - WIDE	1550	21.01 W/ft	95 lm/W

ADM15 - NARROW

Narrow 12" diameter Plate with cob adj 15deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 1717 lm
INPUT WATTS: 21.01 W
EFFICACY: 82 lm/W
CRI: 90

IES FILE: ADM15-NARROW.ies

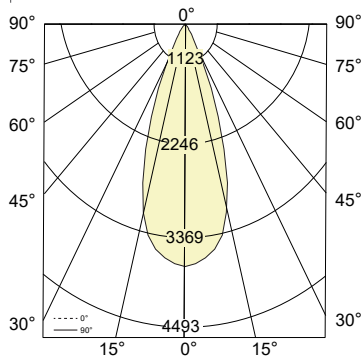
CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	12291	12291	12291	12291	12291
5	9640	9651	9602	9604	9653
10	4854	4920	4951	4978	5009
15	1991	2009	1998	1998	2011
20	732	737	724	706	701
25	348	350	351	353	353
30	203	206	211	214	215
35	141	143	147	150	151
40	106	108	111	112	114
45	76	78	78	78	78
50	36	37	37	36	36

ADM36 - MEDIUM

Medium 12" diameter Plate with cob adj 36deg

PHOTOMETRIC CURVE



ACTUAL LUMEN: 1865 lm
INPUT WATTS: 21.01 W
EFFICACY: 89 lm/W
CRI: 90

IES FILE: ADM36-MEDIUM.ies

CANDELA DISTRIBUTION

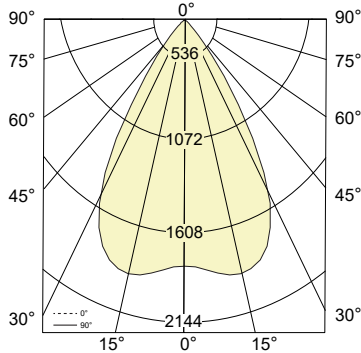
	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	4493	4493	4493	4493	4493
5	4347	4375	4375	4373	4398
10	3966	4000	3994	3986	4051
15	3041	3092	3108	3104	3182
20	1820	1871	1910	1927	1976
25	809	852	900	932	943
30	311	328	353	375	373
35	154	162	173	179	178
40	100	101	104	105	106
45	61	63	65	66	66
50	29	31	33	35	35

● PHOTOMETRIC DATA FOR LED DOWNLIGHT INSERT

AMD60 - WIDE

Wide 12" diameter Plate with cob adj 60deg

PHOTOMETRIC CURVE



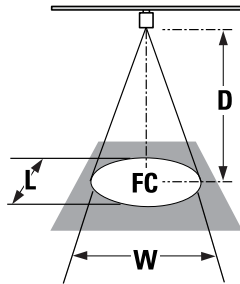
ACTUAL LUMEN: 1992 lm
INPUT WATTS: 21.01 W
EFFICACY: 95 lm/W
CRI: 90

IES FILE: ADM60-WIDE.ies

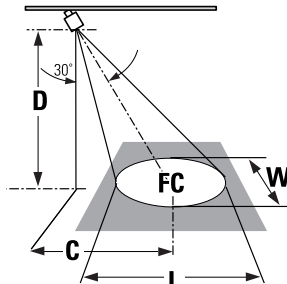
CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2029	2029	2029	2029	2029
5	2072	2072	2073	2074	2067
10	2129	2132	2135	2136	2135
15	2103	2109	2112	2116	2123
20	1950	1957	1963	1965	1985
25	1606	1617	1627	1632	1667
30	1045	1058	1071	1077	1126
35	524	527	533	535	566
40	238	238	240	241	253
45	106	107	107	108	113
50	42	43	44	45	46

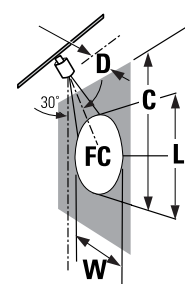
L = Beam Length
W = Beam Width
D = Distance
C = Distance to Center Beam
A = Aiming Angle
FC = Foot Candle



0° horizontal aiming angle



30° horizontal aiming angle



30° vertical aiming angle

Beam Spread		D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
 15°	Narrow	5'	0	360	5'	5'	5'	2.9'	230	5.7'	5.2'	2'	7.17'	341	6.7'	3.5'
		6'	0	257	5.4'	5.4'	6'	3.5'	167	6.2'	5.4'	3'	9.33'	129	7.9'	4.45'
		7'	0	192	5.6'	5.6'	7'	4.05'	125	6.3'	5.6'	4'	11.0'	80	8.4'	4.78'
		8'	0	148	5.7'	5.7'	8'	4.5'	98	6.7'	5.8'	5'	12.8'	54	8.7'	5.1'
		D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
 36°	Medium	5'	0	199	6.09'	6.09'	5'	2.9'	124	7.1'	6.4'	2'	7.13	310	6.7'	3.4'
		6'	0	136	6.78'	6.78'	6'	3.5'	87	7.7'	7.2'	3'	9.2'	113	7.9'	4.42'
		7'	0	98	7.34'	7.34'	7'	4.05'	64	8.3'	7.6'	4'	11'	71	8.3'	4.73'
		8'	0	75	7.72'	7.72'	8'	4.5'	49	8.9'	8'	5'	12.8'	47	8.8'	5.1'
		D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
 60°	Wide	5'	0	93	7.5'	7.5'	5'	2.9'	67	8.55'	7.8'	2'	7.6'	85	7.45'	5.9'
		6'	0	63	8.2'	8.2'	6'	3.5'	41	9.4'	8.9'	3'	8.91'	32	8.2'	7.1'
		7'	0	45	9.09'	9.09'	7'	4.05'	30	9.7'	9.4'	4'	8.9'	18	7.6'	7.6'
		8'	0	34	9.65'	9.65'	8'	4.5'	23	10'	9.8'	5'	9.2'	11	7.3'	7.9'
		D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W