

Project _____

Type _____

Notes _____

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

B6WDLED													
PRODUCT ID		NOM. LUMENS/FT		CRI		COLOR TEMP. (choose one)				SHIELDING		LENGTH	
B6WDLED	Wall Direct LED	400	400 lm/ft - Minimum	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White	SO	spotless lens	2	2'
		1200	1200 lm/ft - Maximum	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White	UB	Ultra blend lens*	3	3'
						35	3500 K	BTW3527	3500-2700 K - Tunable BIOS			4	4'
						40	4000 K	BTW4027	4000-2700 K - Tunable BIOS			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.		Consult Axitune technical sheet for more information of color technology. *Consult BIOS guide for more information on BIOS technology				* Default lens for Tunable white and BIOS. Consult factory for other lens.			

MR (OPTIONAL)		FINISH	VOLTAGE	DRIVER	CIRCUITS
M16LED(#)	MR16 LED lamp - Line voltage (by other)*	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
M16LEDB(#)	MR16 LED lamp - Dimmable (provided)**	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*	
				TW(#) tunable white drivers*	+M MR
				POE(#) POE drivers*	
*Specify quantity; Available with 120V or 277V only; Line wattage only; Separate circuits included			* Only available with POE drivers.	*See page 2 to specify system	*Specify quantity
**Consult factory; See page 4 for more details. Available with UNV, 120V or 277V only; MR16 constant current for 0-10V & DALI only				** Please consult factory; see page 2	
Available in luminaires with Axitune and BIOS but downlight modules will not be tunable white or BIOS LEDs.					
Only available in 3000K and 4000K.					

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
B(#) battery pack 4' sections	D dust cover	DS(#) daylight sensor	C custom
		OS(#) occupancy sensor	
		DOS(#) daylight & occupancy sensor	
		EN(#) Enlighted integral*	
		ENR(#) Enlighted remote*	
		WC(#) wireless control dimming	
Not available with 347V. 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

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) up to 70% recycled content
End Cap	Sheet steel (18 gauge)
Interior Brackets	Die formed sheet steel (18 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Blank	Extruded aluminum (0.075" nominal)
Lens	Spotless frosted acrylic lens
Wall Mount Bracket	Die formed sheet steel (16 gauge)

● 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

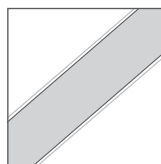
*Choose driver from available options.

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

● SYSTEM (S#)

BEAM6 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 BEAM6 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 BEAM6 LED installation sheets available for download at www.axislighting.com.

● 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.

● FINISH

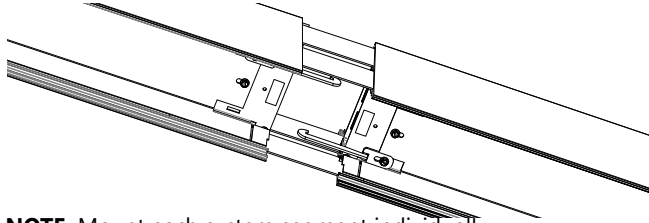
Powder coated and custom finishes are also available.

● 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).

● JOINERS

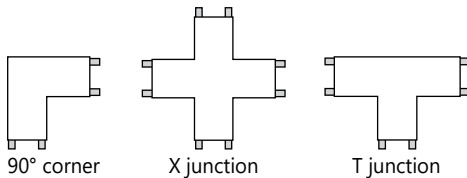
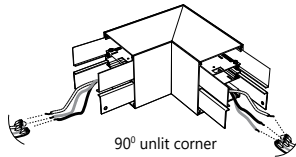
In order to allow very long runs of BEAM6 LED luminaires, Axis has developed a number of different joining systems. Special care has been taken to maximize the performance of the joiner for each BEAM6 LED option.



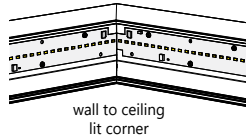
NOTE: Mount each system segment individually.
Do not assemble system prior to mounting.

● CORNERS

Unlit Corners - BEAM6 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

● WEIGHT

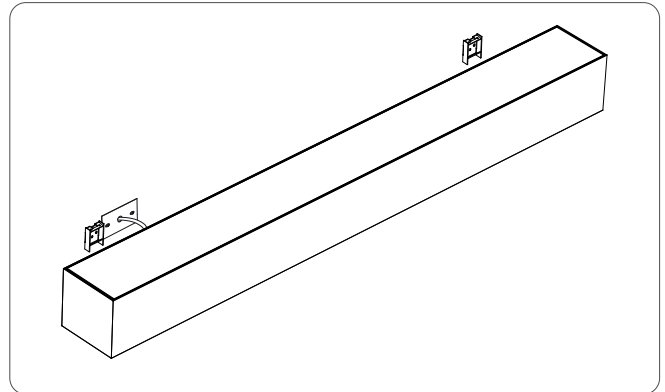
Wall Mount 4ft 16.3 lbs / 7.4 kg
Wall Mount 8ft 32.6 lbs / 14.8 Kg
Wall Mount 12ft 48.9 lbs / 22.2 Kg

● APPROVALS

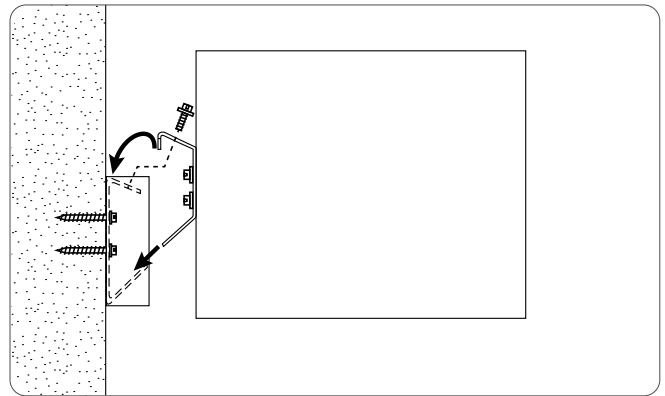
Certified to UL and CSA standards
Meets NYC requirements
Suitable for damp locations.



● HORIZONTAL MOUNTING DETAILS



MOUNTING BRACKETS



SIDE VIEW

● OTHER MOUNTING OPTIONS

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

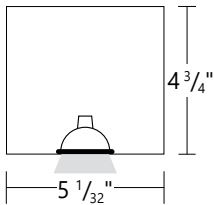
i Specification sheets and installation sheets for all mountings for BEAM6 LED luminaires are available for download at www.axislighting.com

● 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.

● MR16

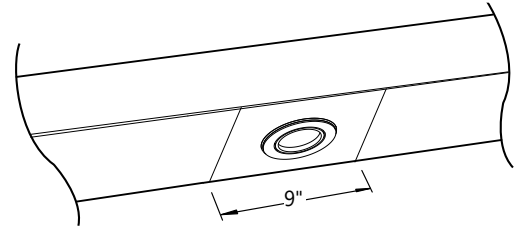
Blank	Extruded aluminum (0.075" nominal)
MR16 LED	2.0" diameter
Quantity	For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.
Spacing	Each MR16 LED lamp is placed centered on a blank section 9" in length. For a series of MR16's within a given section length, they will be spaced evenly on a longer blank section. The directed light of MR16 LED lamps are fixed downward. Custom spacing may be available on special request.



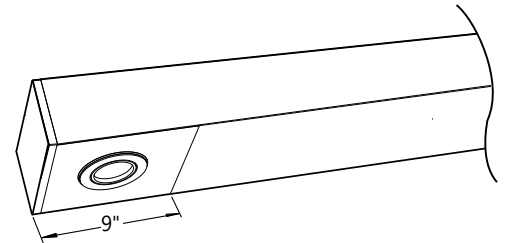
Base Type	GU 5.3
Beam Angle	40 nominal degrees
Input Watts	6W
Nominal Lumens	300 lumens
Efficacy	50 lumens per watt
Color Rendering Index (CRI)	85
Center Beam Candle Power (CBCP)	584 candelas
Life	25,000 hours at L70
Correlated color temperature (CCT)	3000K and 4000K
Adjustability	15° tilt

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

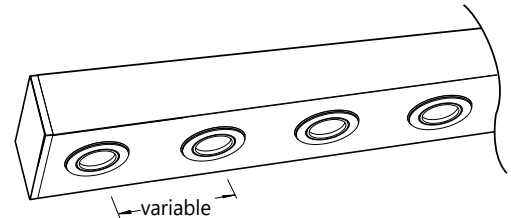
Between sections



At luminaire ends



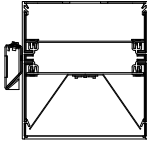
Several in a long blank section



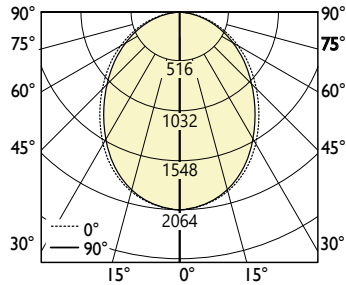
● PHOTOMETRIC DATA

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: B6WDLED-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

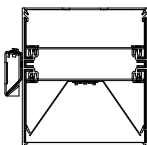
Zone	Lumens
0	
0-10	194
10-20	541
20-30	779
30-40	874
40-50	836
50-60	697
60-70	498
70-80	287
80-90	95
90	

LUMINANCE DATA (cd/m²)

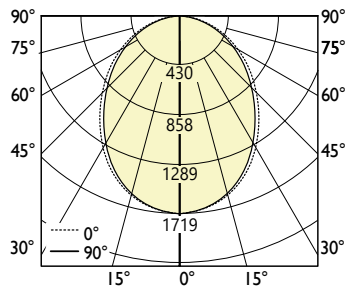
Vertical Angle	Horizontal Angles		
	0	45	90
45	10473	9896	9390
55	9381	8781	8234
65	8263	7713	7194
75	7173	6811	6437
85	6561	6414	6152

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: B6WDLED-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 are available for download at: www.axislighting.com