

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 | 120 | 120 V | DP | dimming (0-10V) 1% | | | 1 | 1 circuit |
| M16LEDB(#) | MR16 LED lamp - Dimmable (provided)** | | paint | 277 | 277 V | LT(#) | Lutron* | | | 2 | 2 circuits |
| | | W | white | 347 | 347 V | BI | bi-level dimming | | | +E(#) | emergency circuit* |
| | | BLK | black | UNV | universal | O(#) | other** | | | +NL(#) | night light circuit* |
| | | C | custom | DC | low voltage* | DPB(STC) | dimming (0-10V) 1% with BIOS* | | | +GTD(#) | generator transfer device* |
| | | | | | | DPB(DYN) | Bio-dimming™ 100%-81% with BIOS* | | | +M | MR |
| | | | | | | TW(#) | tunable white drivers* | | | | |
| | | | | | | 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 |

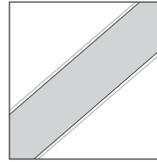
*Choose driver from available options.

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

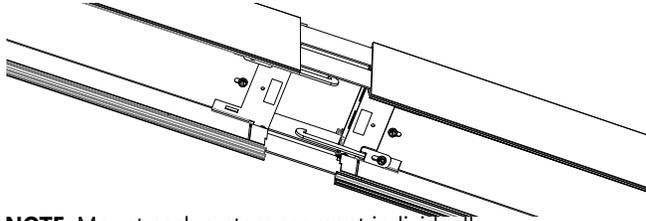
Powder coated and custom finishes are also available.

● 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 (32-104F). |

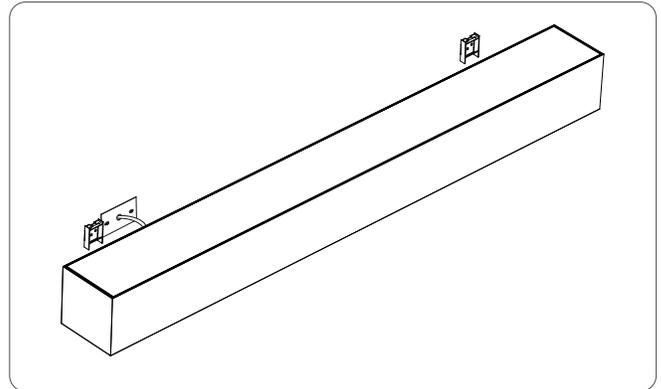
● JOINERS

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.

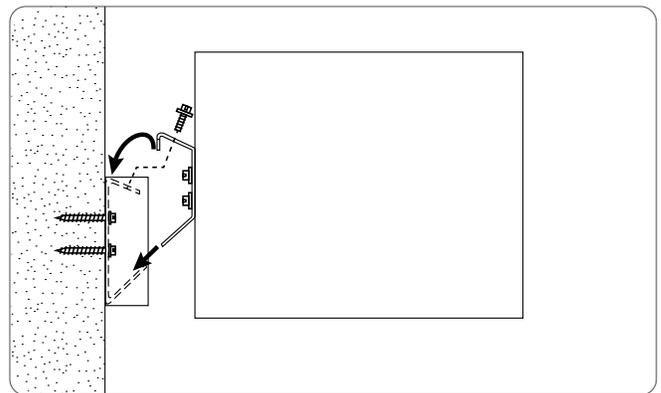


NOTE: Mount each system segment individually. Do not assemble system prior to mounting.

● HORIZONTAL MOUNTING DETAILS



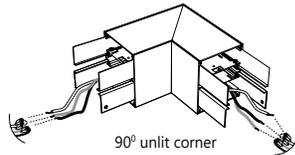
MOUNTING BRACKETS



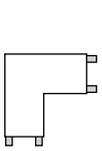
SIDE VIEW

● CORNERS

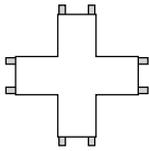
Unlit Corners - BEAM6 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



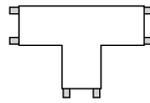
90° unlit corner



90° corner

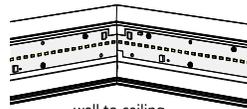


X junction



T junction

Lit Corners - Axis also 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

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

● WEIGHT

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

● APPROVALS

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

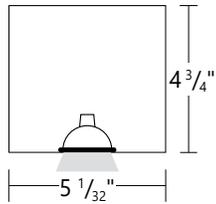


● WARRANTY

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

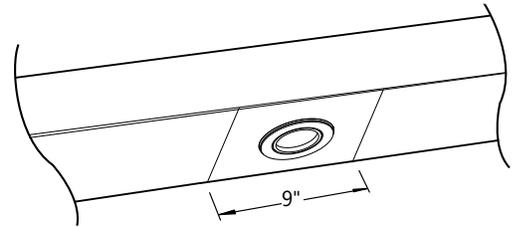
| | |
|-----------------|--|
| Blank | Extruded aluminum (0.075" nominal) |
| MR16 LED | 2.0" diameter |
| Quantity | For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps. |
| Spacing | Each MR16 LED lamp is placed centered on a blank section 9" in length. For a series of MR16's within 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. |



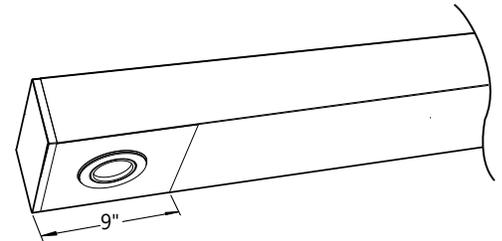
| | |
|---|---------------------|
| Base Type | GU 5.3 |
| Beam Angle | 40 nominal degrees |
| Input Watts | 6W |
| Nominal Lumens | 300 lumens |
| Efficacy | 50 lumens per watt |
| Color Rendering Index (CRI) | 85 |
| Center Beam Candle Power (CBCP) | 584 candelas |
| Life | 25,000 hours at L70 |
|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

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

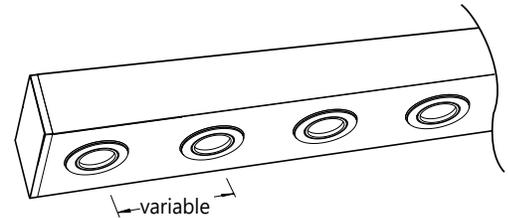
Between sections



At luminaire ends



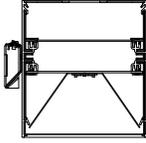
Several in a long blank section



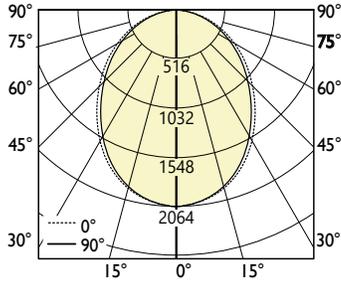
● PHOTOMETRIC DATA

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

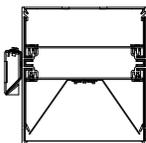
| Zone | Lumens |
|-------|--------|
| 0 | |
| 0-10 | 194 |
| 10-20 | 541 |
| 20-30 | 779 |
| 30-40 | 874 |
| 40-50 | 836 |
| 50-60 | 697 |
| 60-70 | 498 |
| 70-80 | 287 |
| 80-90 | 95 |
| 90 | |

LUMINANCE DATA (cd/m²)

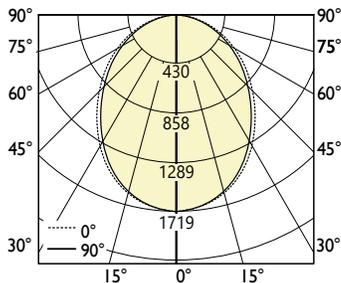
| Vertical Angle | Horizontal Angles | | |
|----------------|-------------------|------|------|
| | 0 | 45 | 90 |
| 45 | 10473 | 9896 | 9390 |
| 55 | 9381 | 8781 | 8234 |
| 65 | 8263 | 7713 | 7194 |
| 75 | 7173 | 6811 | 6437 |
| 85 | 6561 | 6414 | 6152 |

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