# BEAM6 LED | RECESSED VERTICAL MOUNT

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.

5 1/8" Hole width
5"
3 15/16"

**bios** ILLUMINATED

**PoE**

**Axitune** Tunable White

**IC** cULus Listed Type I.C.

**Control Sensors**

**c UL us** Listed

**5 YEAR** LED BOARD & DRIVER LUMINAIRE WARRANTY

## Ordering Guide

| B6RVLED | | | | | |
|---|---|---|---|---|---|
| **PRODUCT ID** | **NOM. LUMENS/FT** | **CRI** | **COLOR TEMP. (choose one)** | | **SHIELDING** |
| **B6RVLED** Recessed Vertical LED | **400** 400 lm/ft - **Minimum**<br>**1200** 1200 lm/ft - **Maximum** | **80** 80 CRI<br>**90** 90 CRI* | **27** 2700 K<br>**30** 3000 K<br>**35** 3500 K<br>**40** 4000 K<br>**B30** 3000 K - BIOS*<br>**B35** 3500 K - BIOS*<br>**B40** 4000 K - BIOS* | **TW2750** 2700-5000 K - Tunable White<br>**TW2765** 2700-6500 K - Tunable White<br>**BTW3527** 3500-2700 K - Tunable BIOS<br>**BTW4027** 4000-2700 K - Tunable BIOS | **SO** spotless lens<br>**UB** Ultra blend lens* |
| | Outputs between listed min and max are available.<br>Consult factory for outputs outside of the listed range.<br>Consult factory for max output with BIOS | * Not available with BIOS. | Consult Axitune technical sheet for more information of color technology.<br>*Consult BIOS guide for more information on BIOS technology | | * Default lens for Tunable white and BIOS. Consult factory for other lens. |

| **LENGTH** | **FINISH** | **VOLTAGE** | **DRIVER** | **CIRCUITS** | **MOUNTING/SUSPENSION** |
|---|---|---|---|---|---|
| **2** 2'<br>**3** 3'<br>**4** 4'<br>**5** 5'<br>**6** 6'<br>**8** 8'<br>**12** 12'<br>**S#** system run | **W** white<br>**C** custom | **120** 120 V<br>**277** 277 V<br>**347** 347 V<br>**UNV** universal<br>**DC** low voltage* | **DP** dimming (0-10V) 1%<br>**LT(#)** Lutron*<br>**BI** bi-level dimming<br>**O(#)** other**<br>**DPB(STC)** dimming (0-10V) 1% with BIOS*<br>**DPB(DYN)** Bio-dimming™ 100%-81% with BIOS*<br>**TW(#)** tunable white drivers*<br>**POE(#)** POE drivers* | **1** 1 circuit<br>**2** 2 circuits<br>**+E(#)** emergency circuit*<br>**+NL(#)** night light circuit*<br>**+GTD(#)** generator transfer device* | **DF** drywall flange<br>**DS** drywall spackle flange<br>**D** drywall flangeless |
| | | * Only available with POE drivers. | *See page 2 to pecify system<br>**Please consult factory; see page 2 | *Specify quantity | |

| **BATTERY (OPTIONAL)** | **OTHER (OPTIONAL)** | **CUSTOM (OPTIONAL)** |
|---|---|---|
| **B(#)** battery pack 4' sections | **EF** end feed<br>**FW** flex whip (6' std)* | **C** custom |
| Not available with 347V.<br>Please consult factory. | * Other lengths available; please consult factory. | Please specify |

FILE NAME : B6RV.LED-B3.SPEC

**axis** axislighting.com

# BEAM6 LED | RECESSED VERTICAL MOUNT

## ● 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** | Extruded aluminum (0.075'' nominal) |
| **Lens** | Spotless frosted acrylic lens |

## ● 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**\* UL2108 certified for integral or remote driver | 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.

ⓘ 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.

## ● 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 25⁰C 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 0-40⁰C (32-104F). |
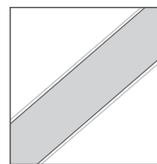
## ● OPTICS

**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.

**SO** spotless lens
**UB** Ultra Blend Lens

## ● WEIGHT

| | |
|---|---|
| **Recessed Vertical 4 ft** | 16.3 lbs / 7.4 kg |
| **Recessed Vertical 8 ft** | 32.6 lbs / 14.8 Kg |
| **Recessed Vertical 12 ft** | 48.9 lbs / 22.2 Kg |

## ● FINISH

Powder coated and custom finishes are also available.

## ● *VERTICAL RECESSED MOUNTING OPTIONS*



6 $3/16$" With flanges  
5 $9/16$" Hole width  
5"  
3 $15/16$"

**DF** **DRYWALL FLANGED**



7 $7/16$" With flanges  
5 $13/16$" Hole width  
5"  
3 $15/16$"

**DS** **DRYWALL SPACKLE FLANGE**



5 $1/8$" Hole width  
5"  
3 $15/16$"
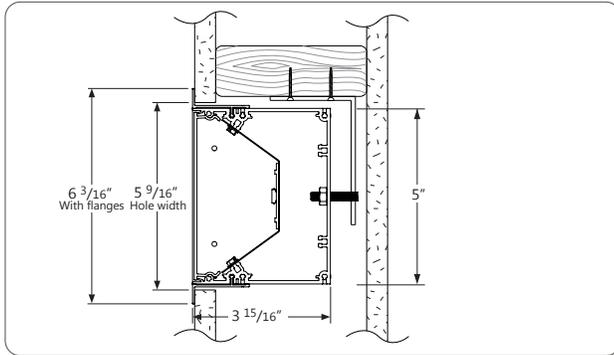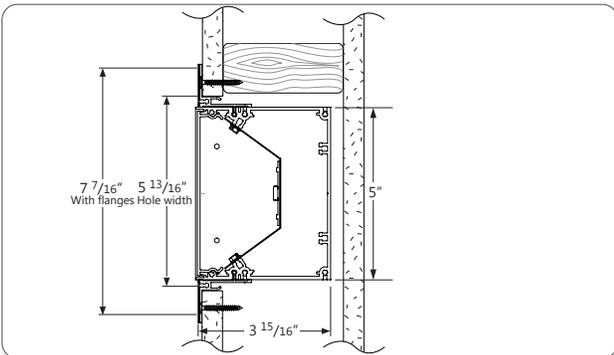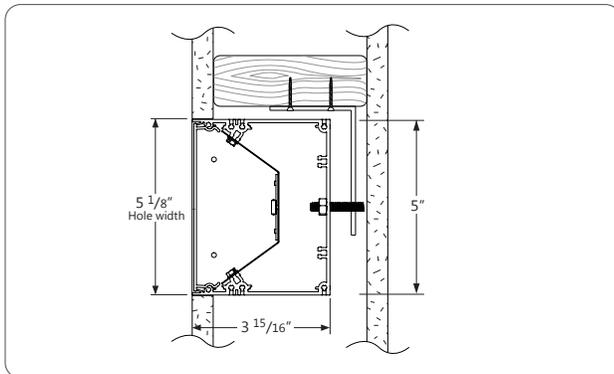
**D** **DRYWALL SPACKLE FLANGE**

## ● *APPROVALS*

Certified to UL and CSA standards  
Meets NYC requirements  
Suitable for damp locations  
IC Rated (Insulated ceiling)

## ● *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.

## ● *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.



90⁰ unlit corner

90° corner        X junction        T junction
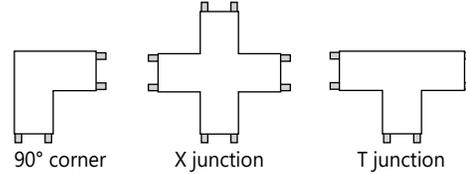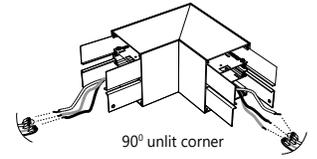
**Lit Corners** - Axis also offers Lit 90° corners including ceiling to ceiling, wall to ceiling and ceiling to wall.

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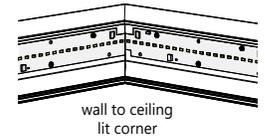
ⓘ For custom corner angles, please consult factory. Specifications sheets for all corners are available at: www.axislighting.com

## ● *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.
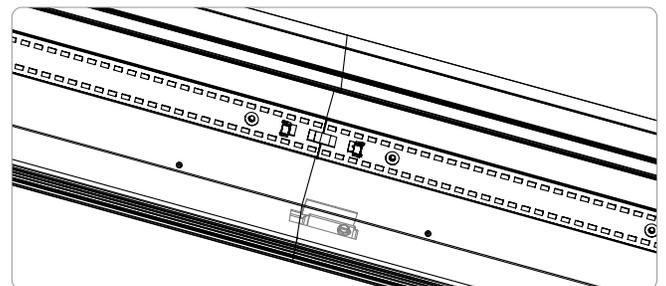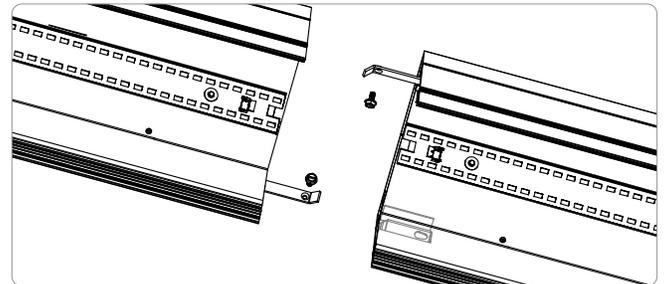


**JOINER SYSTEM**

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

## ● *OTHER MOUNTING OPTIONS*

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

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

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information.

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axislighting.com

## ● PHOTOMETRIC DATA

### SO Spotless lens

**1200 lm/ft**



#### PHOTOMETRIC CURVE



517
1035
1552
2069

... 0°
— 90°
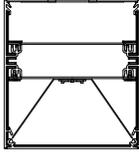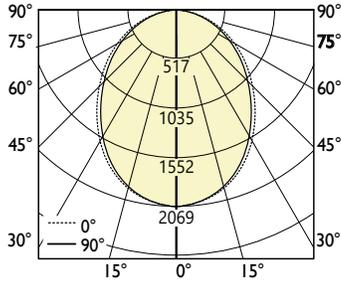
**Lumen/ft: 1200 lm/ft**
**Total Lumens: 4801 lm (for 4ft)**
**Input Watts: 37.4 W**
**Efficacy: 128 lm/W**
IES FILE: B6RVLED-1200-80-35-FL-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | |
|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 2069 | 2069 | 2069 | 2069 | 2069 |
| 5 | 2054 | 2052 | 2049 | 2048 | 2048 |
| 15 | 1943 | 1933 | 1920 | 1909 | 1906 |
| 25 | 1738 | 1719 | 1692 | 1666 | 1656 |
| 35 | 1458 | 1436 | 1397 | 1358 | 1342 |
| 45 | 1142 | 1121 | 1078 | 1034 | 1017 |
| 55 | 825 | 807 | 768 | 728 | 713 |
| 65 | 527 | 515 | 487 | 460 | 449 |
| 75 | 272 | 266 | 255 | 242 | 237 |
| 85 | 76 | 74 | 71 | 68 | 67 |
| 90 | 4 | 4 | 4 | 3 | 3 |

#### ZONAL LUMENS

| Zone | Lumens |
|---|---|
| 0 | |
| 0-10 | 195 |
| 10-20 | 544 |
| 20-30 | 786 |
| 30-40 | 883 |
| 40-50 | 842 |
| 50-60 | 697 |
| 60-70 | 492 |
| 70-80 | 276 |
| 80-90 | 85 |
| 90 | |

#### LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles | | |
|---|---|---|---|
| | 0 | 45 | 90 |
| 45 | 10504 | 9913 | 9356 |
| 55 | 9357 | 8704 | 8087 |
| 65 | 8117 | 7497 | 6905 |
| 75 | 6831 | 6399 | 5945 |
| 85 | 5645 | 5324 | 4990 |

### UB Ultra blend lens

**1200 lm/ft**



#### PHOTOMETRIC CURVE



426
853
1279
1706

... 0°
— 90°
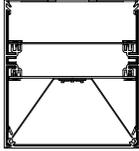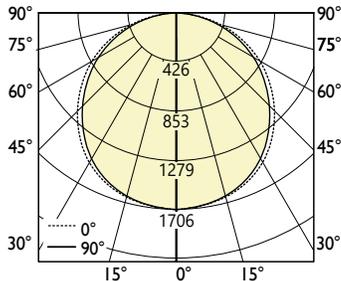
**Lumen/ft: 1200 lm/ft**
**Total Lumens: 4800 lm (for 4ft)**
**Input Watts: 40.3 W**
**Efficacy: 119 lm/W**
IES FILE: B6RVLED-1200-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles | | | | |
|---|---|---|---|---|---|
| | 0 | 22.5 | 45 | 67.5 | 90 |
| 0 | 1705 | 1705 | 1705 | 1705 | 1705 |
| 5 | 1695 | 1696 | 1698 | 1701 | 1702 |
| 15 | 1625 | 1631 | 1639 | 1646 | 1647 |
| 25 | 1495 | 1504 | 1519 | 1524 | 1529 |
| 35 | 1313 | 1326 | 1344 | 1349 | 1356 |
| 45 | 1099 | 1110 | 1131 | 1129 | 1134 |
| 55 | 836 | 868 | 882 | 882 | 886 |
| 65 | 575 | 606 | 620 | 623 | 626 |
| 75 | 325 | 343 | 363 | 367 | 373 |
| 85 | 102 | 114 | 133 | 143 | 144 |
| 90 | 3 | 13 | 27 | 37 | 39 |

#### ZONAL LUMENS

| Zone | Lumens |
|---|---|
| 0 | |
| 0-10 | 161 |
| 10-20 | 459 |
| 20-30 | 691 |
| 30-40 | 826 |
| 40-50 | 848 |
| 50-60 | 760 |
| 60-70 | 584 |
| 70-80 | 353 |
| 80-90 | 118 |
| 90 | |

#### LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles | | |
|---|---|---|---|
| | 0 | 45 | 90 |
| 45 | 10126 | 10414 | 10441 |
| 55 | 9494 | 10019 | 10064 |
| 65 | 8857 | 9556 | 9644 |
| 75 | 8190 | 9142 | 9391 |
| 85 | 7647 | 9928 | 10753 |

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