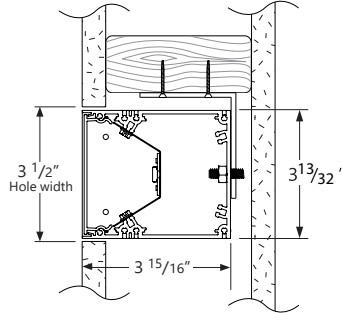


Project \_\_\_\_\_

Type \_\_\_\_\_

Notes \_\_\_\_\_



### PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1100 lm/ft	8.8 W/ft	125 lm/W	SO
1100 lm/ft	9.7 W/ft	114 lm/W	UB

Please consult factory for custom lumen output and wattage.

**Declare.**



cULus Listed  
Type I.C.



Recognized  
by NGL



Control  
Sensors



Listed



### Ordering Guide

BMRVLED											
PRODUCT ID		NOM. LUMENS/FT		CRI		COLOR TEMP. (choose one)				SHIELDING	
BMRVLED	Recessed Vertical LED	300	300 lm/ft - Minimum	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White	SO	spotless lens
		1100	1100 lm/ft - Maximum	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White	UB	Ultra blend lens
						35	3500 K	BTW3527	3500-2700 K - Tunable BIOS		(Flush only)*
						40	4000 K	BTW4027	4000-2700 K - Tunable BIOS		
						B30	3000 K - BIOS*				
						B35	3500 K - BIOS*				
						B40	4000 K - BIOS*				
		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.		<a href="#">Consult Axitune technical sheet for more information of color technology.</a> <a href="#">*Consult BIOS guide for more information on BIOS technology</a>				* Default lens for Tunable white and BIOS. Consult factory for other lens.	

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

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

### ● SPECIFICATIONS

#### CONSTRUCTION

<b>Housing</b>	Extruded aluminum (0.075" nominal) Up to 70% recycled content
<b>Interior Brackets</b>	Die formed sheet steel (18 gauge)
<b>Reflectors</b>	White powder coated sheet steel (22 gauge)
<b>Blank</b>	Extruded aluminum (0.075" nominal)
<b>Lens</b>	Spotless acrylic lens

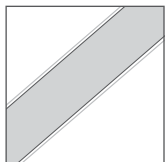
### ● ELECTRICAL

<b>Lutron driver</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
<b>BIOS DPB drivers*</b>	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.
<b>Tunable White TW drivers*</b>	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV, DC.
<b>Flex Whip</b>	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.

### ● 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.

### ● SYSTEM (S#)

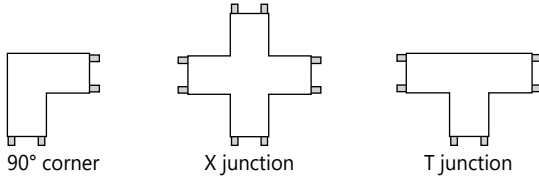
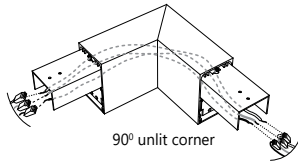
BEAM 3 LED linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 3 LED that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination 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 3 LED installation sheets available for download at [www.axislighting.com](http://www.axislighting.com).

### ● LED SYSTEM

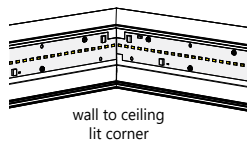
<b>CRI</b>	Minimum 80 or 90 color rendering index.
<b>CRI BIOS</b>	Minimum 80 color rendering index with R9>75 for all CCTs.
<b>CCT Single Color</b>	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3-step MacAdam ellipse). Both within fixture and fixture to fixture.
<b>CCT BIOS</b>	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. <a href="#">Consult BIOS guide for more information on BIOS technology.</a>
<b>CCT Axitune Systems</b>	<a href="#">Consult Axitune technical sheet for more information on color technology.</a>
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.
<b>Environment</b>	Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).

### CORNERS

**Unlit Corners** - BEAM 3 LED features a multitude of layout patterns with the use of a number of corners, 90° corner, T or X junctions.



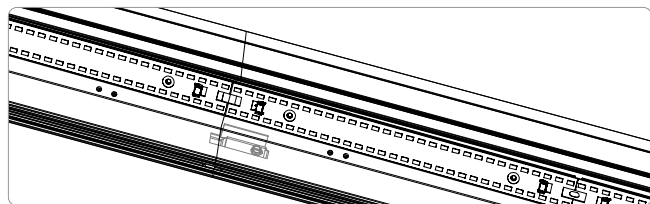
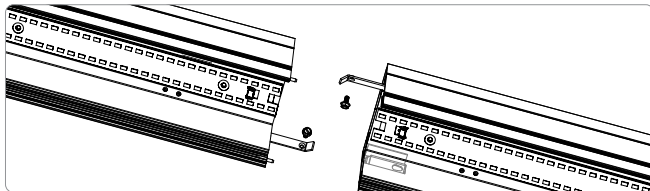
**Lit Corners** - Axis also offers lit 90° corners including ceiling to ceiling, wall to ceiling and ceiling to wall.



**i** For custom corner angles, please consult factory. Specifications sheets for all corners are available at: [www.axislighting.com](http://www.axislighting.com)

### JOINERS

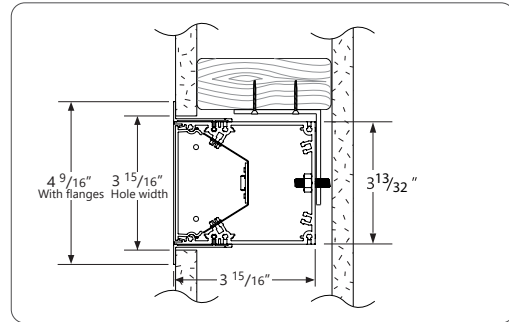
In order to allow very long runs of BEAM 3 LED luminaires, Axis has developed an effective joining system. Special care has been taken to maximize the performance of the joiner for each BEAM 3 LED option.



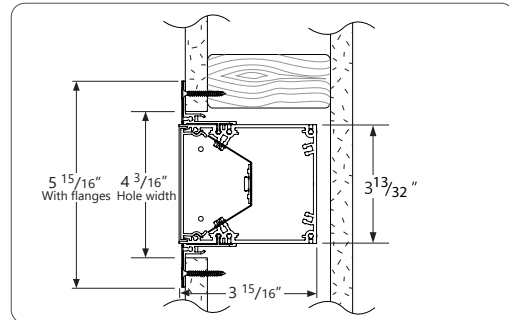
#### JOINER SYSTEM

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

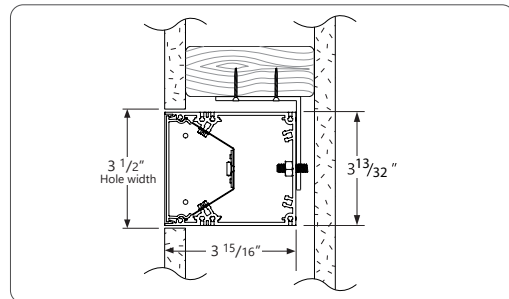
### VERTICAL RECESSED MOUNTING OPTIONS



#### DF DRYWALL FLANGED



#### DS DRYWALL SPACKLE FLANGE



#### D DRYWALL FLANGELESS

### OTHER MOUNTING OPTIONS

BEAM 3 LED is also available with pendant, recessed, surface, wall, wall vertical and recessed asymmetric mounted options.

**i** Specification sheets and installation sheets for all mountings for BEAM 3 LED luminaires are available for download at [www.axislighting.com](http://www.axislighting.com)


## FINISHES

Powder coated and custom finishes are also available.

## WEIGHT


Recessed Vertical 4 ft	12.3 lbs / 5.0 kg
Recessed Vertical 8 ft	24.6 lbs / 10.1 kg
Recessed Vertical 12 ft	36.9 lbs / 15.1 kg

## 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](https://axislighting.com).



**Beam 3**  
Axis Lighting

**Final Assembly:** Montreal, Quebec, Canada  
**Life Expectancy:** 7 Year(s)  
**End of Life Options:** Recyclable (87.5%), Landfill (12.5%)

**Ingredients:**

**Recessed Housing:** Aluminum 6063; Aluminum hydroxide; Titanium dioxide; Barium sulfate; 1,3,5-Triglycidyl-s-triazinetriene; **Extruded White Beam:** Aluminum 6063; Petroleum distillates; Titanium dioxide; Xylene; 1,2,4-Trimethylbenzene; 2-Butoxyethanol; 2-Pentanone; 4-hydroxy-4-methyl-; Aromatic 100 (Aromatic naphtha, type 1); Ethanol; Ethylbenzene; n-Butanol; Phenol, 4,4'-(1-methylethylene)bis-, polymer with 2,2'-(1-methylethylene) bis(4,1-phenyleneoxymethylene)]bis[oxirane]; Aluminum hydroxide; Toluene; **Lens:** Polymethyl methacrylate; **Reflector:** Aluminum 5052; Polyester Resin; Titanium dioxide; Calcium Carbonate; 1,3,5-Triglycidyl-s-triazinetriene; **End Plate:** Aluminum; Silicon; Copper; Phenol, polymer with formaldehyde; **Bracket:** Steel manufacture, chemicals; (R)-1-chloro-2,3-epoxypropane; Lycopodium (powder); Pitch, gilsonite; **Cover:** Steel; **Small Hardware:** 18-8 Stainless Steel; **Wire 1:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 2:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 3:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 4:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 5:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **3-Way Connector:** Poly[imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl]; Iron; Copper; **Flange Cap:** Polyvinyl chloride

**Living Building Challenge Criteria:**

**I-13 Red List:**

<input type="checkbox"/> LBC Red List Free	% Disclosed: 100% at 100ppm
<input type="checkbox"/> LBC Red List Approved	VOC Content: Not Applicable
<input checked="" type="checkbox"/> Declared	

**I-10 Interior Performance:** Not Compliant  
**I-14 Responsible Sourcing:** Not Applicable

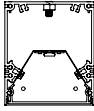
AXS-0001  
EXP 01 OCT 2024  
Original Issue Date: 2023

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://living-future.org/declare)

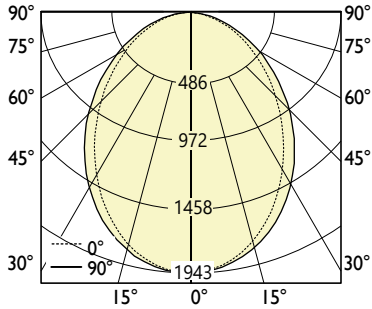
### ● PHOTOMETRIC DATA

#### SO Spotless lens

1100 lm/ft



#### PHOTOMETRIC CURVE



**Lumen/ft: 1100 lm/ft**  
**Total Lumens: 4401 lm (for 4ft)**  
**Input Watts: 35.3 W**  
**Efficacy: 125 lm/W**

IES FILE: BMRVLED-1100-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1942	1942	1942	1942	1942
5	1933	1929	1926	1924	1924
15	1832	1820	1805	1791	1787
25	1637	1619	1583	1550	1541
35	1374	1351	1300	1255	1241
45	1075	1052	1003	951	934
55	777	761	716	672	658
65	501	491	459	427	418
75	263	259	244	227	223
85	80	78	72	66	66
90	9	6	5	4	5

#### ZONAL LUMENS

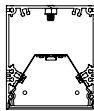
Zone	Lumens
0	
0-10	182
10-20	507
20-30	726
30-40	810
40-50	768
50-60	634
60-70	448
70-80	250
80-90	74
90	

#### LUMINANCE DATA (cd/m²)

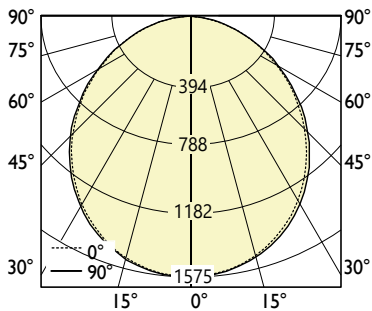
Vertical Angle	Horizontal Angles		
	0	45	90
45	14498	13531	12597
55	12924	11906	10937
65	11296	10353	9428
75	9687	8978	8221
85	8716	7862	7247

#### UB Ultra blend lens

1100 lm/ft



#### PHOTOMETRIC CURVE



**Lumen/ft: 1100 lm/ft**  
**Total Lumens: 4399 lm (for 4ft)**  
**Input Watts: 38.7 W**  
**Efficacy: 114 lm/W**

IES FILE: BMRLED-1100-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1575	1575	1575	1575	1575
5	1569	1569	1568	1569	1569
15	1509	1507	1508	1509	1509
25	1392	1392	1392	1392	1391
35	1229	1228	1228	1224	1222
45	1026	1027	1025	1018	1015
55	795	798	794	786	785
65	546	550	547	542	541
75	301	305	307	305	304
85	95	95	94	91	91
90	8	5	4	3	3

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	149
10-20	425
20-30	639
30-40	763
40-50	783
50-60	700
60-70	530
70-80	313
80-90	97
90	

#### LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13834	13823	13691
55	13224	13200	13042
65	12321	12343	12198
75	11079	11301	11216
85	10433	10286	9998

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)