

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	4.54 W/ft	110 lm/W
600 lm/ft	5.48 W/ft	111 lm/W
800 lm/ft	7.2 W/ft	110 lm/W
1000 lm/ft	9 W/ft	111 lm/W

Please consult factory for custom lumen output and wattage.



Ordering Guide

MBWVLED															
PRODUCT ID	NOM. LUMENS/FT	CRI	COLOUR TEMP. (choose one)			SHIELDING	LENGTH/FT	FINISH							
MBWVLED MINI BOX Wall Vertical LED	500	500 lm/ft - Min	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White	S	satin lens	2	2'	AP	aluminum paint	
	1000	1000 lm/ft - Max	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White			3	3'	W	white	
					35	3500 K	BTW3527	3500-2700 K - Tunable BIOS			4	4'	BLK	black	
					40	4000 K	BTW4027	4000-2700 K - Tunable BIOS			6	6'	C	custom	
					B30	3000 K - BIOS*					8	8'			
					B35	3500 K - BIOS*					12	12'			
					B40	4000 K - BIOS*					S(L) 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 on color technology. *Consult BIOS guide for more information on BIOS technology.							1' increment, minimum 2'			

VOLTAGE	DRIVER	CIRCUITS	BATTERY (OPTIONAL)	IC CONTROLS (OPTIONAL)
120	120 V	1 1 circuit	B(#) battery pack 4' sections	DS(#) daylight sensor
277	277 V	2 2 circuits		OS(#) occupancy sensor
347	347 V	+E(#) emergency circuit*		DOS(#) daylight & occupancy sensor
UNV	universal	+NL(#) night light circuit*		EN(#) Enlighted integral*
DC	low voltage*	+GTD(#) generator transfer device*		ENR(#) Enlighted remote**
	DPB(STC) dimming (0-10V) 1% with BIOS*			WC(#) wireless control dimming
	DPB(DYN) Bio-dimming™ 100%-81% with BIOS*			
	TW(#) tunable white drivers*			
	POE(#) POE drivers*			
* Only available with POE drivers.		* Specify quantity	Specify quantity Please consult factory Not available with 347V	* For flush 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.

CUSTOM (OPTIONAL)	
C	custom
Please specify	

ELECTRICAL

Lutron driver*	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to Black LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
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 BIC 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 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) LTTW - Lutron T-Series Tunable White
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	UL2108 certified for integral or remote driver
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.

SYSTEMS (S#)

Runs of MINI BOX that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination of sections to be assembled on site using our joining system. The run is comprised of a combination of sections to be assembled on site using our joining system, maximum 4' lens with joining end cap. For more information on systems and joining, please refer to the MINI BOX installation sheets available for download at www.axislighting.com

WEIGHT

MINI BOX Wall Vertical 4 ft	8.4 lbs / 3.9 Kg
MINI BOX Wall Vertical 8 ft	16.8 lbs / 7.7 Kg
MINI BOX Wall Vertical 12 ft	25.2 lbs / 11.6 Kg

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 in operating ambient temperatures of 0-40°C (32-104F).

FINISH

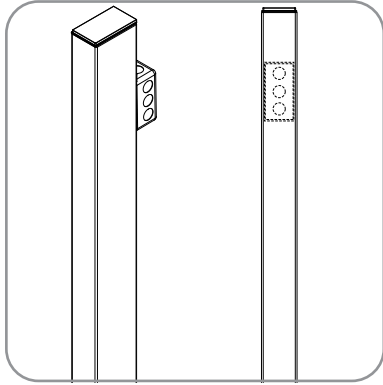
Powder coated and custom finishes are also available.

WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications.

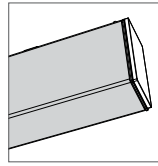
If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

● **MOUNTING - 2"X4" J-BOX**



2"X4" J-BOX

● **OPTICS OPTIONS**



S satin lens

● **LIGHT DISTRIBUTION**



semi direct

● **OTHER MOUNTING OPTIONS**

MINI BOX is also available in pendant and surface mounted options.

i Specification sheets for all mounting options are available for download at www.axislighting.com

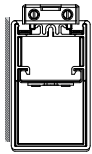
● **APPROVALS**

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

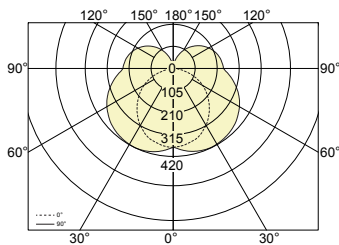


● **PHOTOMETRIC DATA**

600 lm/ft



PHOTOMETRIC CURVE



Luminaire Lumens: 600 lm/ft

Input Watts: 5.48 W/ft

Efficacy: 111 lm/W

IES FILE: MBWVLED-600-80-35-S-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	378	378	378	378	378
5	375	381	385	389	392
15	361	380	395	407	412
25	333	363	392	412	420
35	293	335	376	405	415
45	245	298	351	389	402
55	191	253	318	364	379
65	131	202	277	331	348
75	72	150	231	288	306
85	20	100	183	241	260
90	1	80	163	222	240
95	1	79	160	218	236
105	1	75	153	208	225
115	0	69	141	191	207
125	0	60	124	168	182
135	0	47	100	140	152
145	0	34	72	109	118
155	0	24	48	68	82
165	0	11	26	34	45
175	0	2	5	7	3
180	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	37
10-20	111
20-30	178
30-40	230
40-50	263
50-60	273
60-70	260
70-80	227
80-90	182
90-100	157
100-110	145
110-120	125
120-130	99
130-140	71
140-150	43
150-160	21
160-170	7
170-180	1

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	5099	5609	5908
55	4859	5665	6067
65	4461	5772	6329
75	3884	6019	6675
85	2801	6629	7365

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