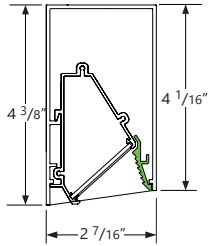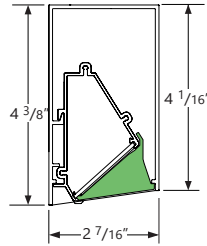Project _____

Type _____

Notes _____

_____

Shown with MAL
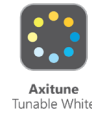
Shown with LOUVER

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
375 lm/ft	4.5 W/ft	84 lm/W
400 lm/ft	4.9 W/ft	82 lm/W
500 lm/ft	6 W/ft	83 lm/W
750 lm/ft	9.1 W/ft	83 lm/W
1000 lm/ft	12.7 W/ft	79 lm/W

Please consult factory for custom lumen output and wattage.

Axitune Tunable White

PoE

c UL us Listed

LED BOARD & DRIVER 5 YEAR LUMINAIRE WARRANTY

Ordering Guide

	WWS	SL	NOM. LUMENS/FT		CRI		COLOR TEMP.				SHIELDING		LENGTH (FT)	
	PRODUCT ID	**LIGHT ENGINE**									**SHIELDING**		**LENGTH (FT)**	
	WWS	SL	375	375 lm/ft -Min	80	80 CRI	27	2700 K	TW2750	2700-5000 K	MAL	microgroove aluminum*	2	2'
	Wall Wash Surface	SurroundLite	1000	1000 lm/ft* - Max	90	90 CRI	30	3000 K		Tunable White*		(standard)	3	3'
	SurroundLite						35	3500 K			L	black louver**	4	4'
							40	4000 K					5	5'
													6	6'
													8	8'
													12	12'
													S(#)	system run
			* Louver not available for outputs above 500 lm/ft. Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.				Consult Axitune technical sheet for more information of color technology. * Min length of 4 ft required.				* Standard black **Louver not available for outputs above 500 lm/ft.			

	FINISH		VOLTAGE		DRIVER		CIRCUITS		MOUNTING	
AP	aluminum paint	120	120 V	DP	dimming (0-10V) 1%	1	1 circuit	SB9	surface TB/TG 9/16
W	white	277	277 V	LT	Lutron	2	2 circuits	SB15	surface TB/TG 15/16
BLK	black	347	347 V	BI	bi-level dimming	+E(#)	emergency circuit *	SBS	surface screw slot t-bar
C	custom	UNV	universal	O(#)	other**			S	surface drywall ceiling
		DC	low voltage*	TW(#)	tunable white drivers*			SC	surface solid ceiling
				POE(#)	POE drivers*				
		* Only available with POE drivers.		* See page 2 to specify system **Please consult factory; see page 2		* Specify quantity			

	BATTERY (OPTIONAL)	CUSTOM (OPTIONAL)	
B(#)	battery pack (integral)	C	custom
	Not available with 347V Minimum 4ft; please consult factory	Please specify Consult factory for combinations of wall wash perfekt and Beam 2	

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.

1 / 4
March 21, 2024

FILE NAME : WWS.LED-B3.SPEC

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1.800.263.2947
[T] 514.948.6272

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axislighting.com

Wall Wash Perfekt™ | SURFACE WALL WASH

● CONSTRUCTION

Housing	Extruded aluminum (0.080'' nominal) Up to 70% recycled content
End Cap+Joiner	Die cast aluminum
Reflectors	Specular aluminum
Blank	Extruded aluminum (0.075'' nominal)
Lens	Acrilyc with Microtek detail
Hanger	Die Cast Aluminum
Suspension	Aircraft Cable along product length
Cable Grips	Quick connecting / release

● 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
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.

*Choose driver from available options.

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

● WEIGHT

Surface LED 4 ft	10.5 lbs / 4.8 kg
Surface LED 8 ft	21.0 lbs / 9.6 kg
Surface LED 12 ft	31.5 lbs / 14.4 kg

● SYSTEM (S#)

Wall Wash Perfekt linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths from 2' to 12' are available in 1' increments. Runs of Wall Wash Perfekt that are greater than 12' in length are designated as systems (S#). This means that the run is comprised of a combination of standard length sections ranging from 4' to 12' to be assembled on site using our joining system. For more information on systems and joining, please refer to the Wall Wash Perfekt installation sheets available for download at www.axislighting.com.

● APPROVALS

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

c(UL)us Listed

● FINISHES

Powder coated and custom finishes are also available.

● OPTICS

Optics	
Light guide	Patent pending vertical light guide optical system
Trim	Black multigroove linear trim
Louver (optional)	Black deep lenghtwise shielding louver
Microgroove Aluminum	Black painted aluminum material

MAL - Microgroove Aluminum   **L - Louvered Microgroove Aluminum**

● 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.

● LED SYSTEM

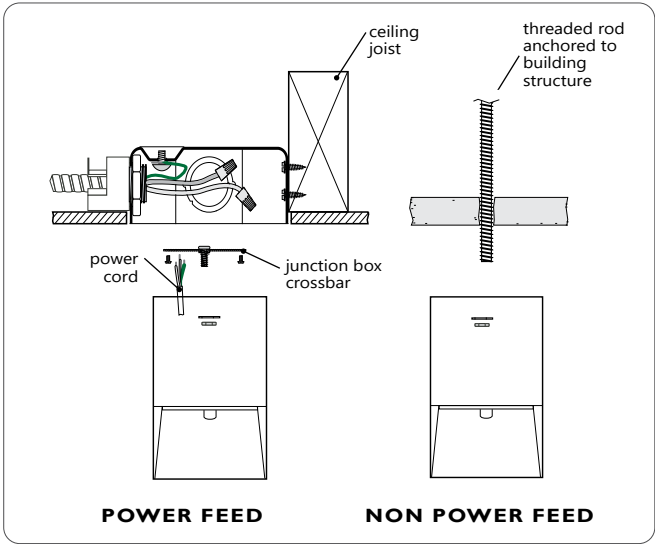|	
CRI	Minimum 80 or 90 color rendering index.
CCT Single Color	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3–step MacAdam ellipse). Both within fixture and fixture to fixture.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25^{0}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^{0}C (32-104F).

● JOINERS

Wall Wash Perfekt Surface Mount features an Axis designed joining mechanism that allows for linear system runs (lengths longer than 12').
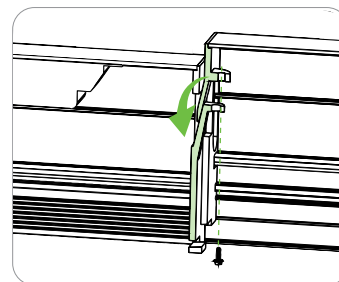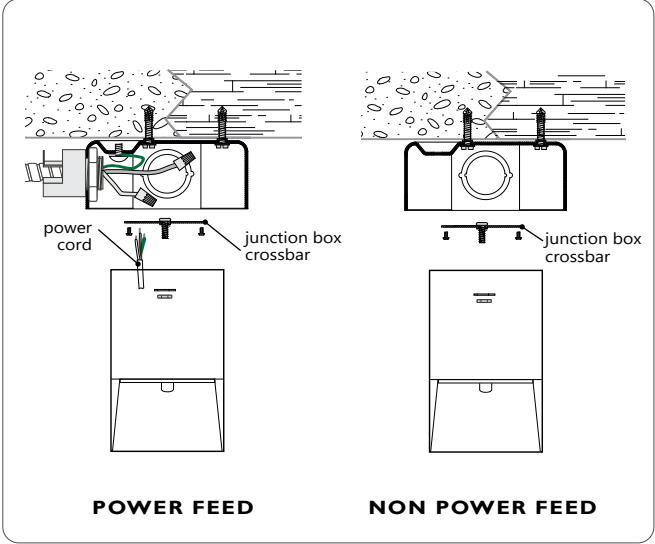
NOTE: Mount each system segment individually. Do not assemble system prior to mounting.

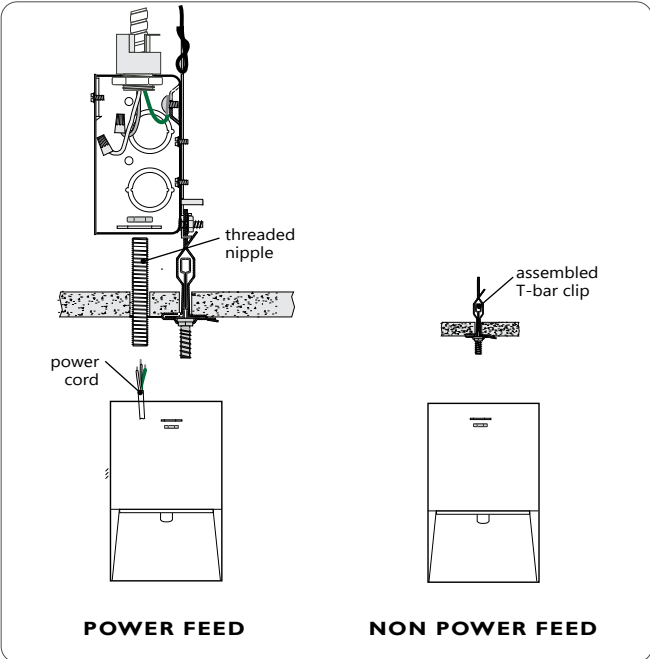ⓘ Allow a minimum of 3" between end of long runs and vertical wall

FILE NAME : WWS.LED-B3.SPEC

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● *MOUNTING DETAILS*

ceiling joist

threaded rod anchored to building structure

power cord

junction box crossbar

POWER FEED

NON POWER FEED

S **SURFACE MOUNT DRYWALL CEILING**

power cord

junction box crossbar

junction box crossbar

POWER FEED

NON POWER FEED

SC **SURFACE MOUNT SOLID CEILING**

threaded nipple

assembled T-bar clip

power cord

POWER FEED

NON POWER FEED

SB9 **SB15** **SBS** **SURFACE MOUNT T-BAR CEILING**

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● *PHOTOMETRIC DATA*

WW Wallwash - **LOUVER**

500 lm/ft

PHOTOMETRIC CURVE

567
1134
1701
2269
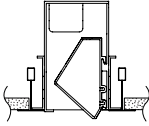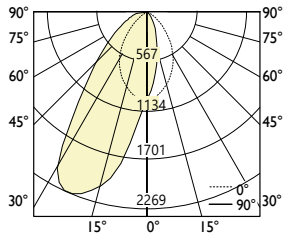
Total Lumens: 2000 lm (for 4ft)
Lumens ft/down: 500 lm/ft
Input Watts: 47.6 W
Efficacy: 42 lm/W
IES FILE: WWS-SL-500-80-35-L-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

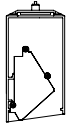| Vertical Angle	Horizontal Angles				
	0	**22.5**	**45**	**67.5**	**90**
0	1002	1002	1002	1002	1002
5	1013	1100	1191	1267	1277
15	900	1255	1716	1983	2073
25	743	1298	1781	2113	2269
35	537	1082	1522	1531	1528
45	304	741	883	818	854
55	128	380	462	473	509
65	40	122	235	273	306
75	7	32	105	161	194
85	1	3	22	69	101
90	0	1	1	2	6

ZONAL LUMENS

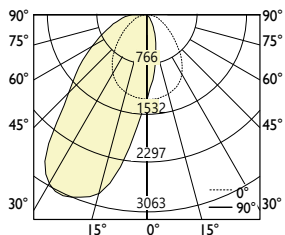| Zone	Lumens
0	
0-10	98
10-20	300
20-30	452
30-40	454
40-50	323
50-60	195
60-70	105
70-80	54
80-90	20
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	**45**	**90**
45	12342	35851	34688
55	6420	23113	25504
65	2714	15989	20768
75	803	11658	21548
85	382	7343	33283

WW Wallwash - **MAL**

1000 lm/ft

PHOTOMETRIC CURVE

766
1532
2297
3063

Total Lumens: 4001 lm (for 4ft)
Lumens ft/down: 1000 lm/ft
Input Watts: 49 W
Efficacy: 82 lm/W
IES FILE: WWS-SL-1000-80-35-MAL-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	**22.5**	**45**	**67.5**	**90**
0	1288	1288	1288	1288	1288
5	1296	1446	1597	1703	1725
15	1259	1801	2414	2751	2833
25	1155	2010	2656	2970	3063
35	944	1864	2523	2740	2743
45	653	1504	2040	1776	1708
55	416	1064	1302	1236	1210
65	258	602	849	816	799
75	159	312	485	531	535
85	48	128	227	316	336
90	0	55	125	195	223

ZONAL LUMENS

Zone	Lumens
0	
0-10	131
10-20	425
20-30	678
30-40	794
40-50	700
50-60	539
60-70	374
70-80	236
80-90	124
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	**45**	**90**
45	25622	80110	67068
55	20160	63024	58590
65	16949	55811	52507
75	17033	52034	57369
85	15219	72247	107071

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