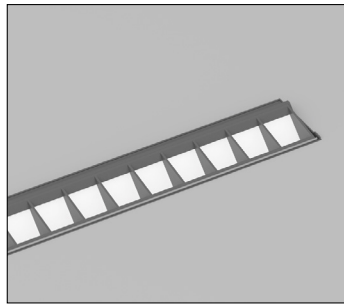
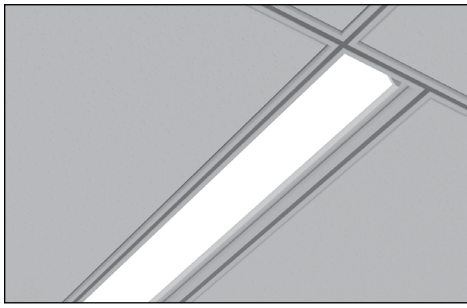


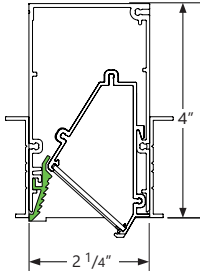


Project _____

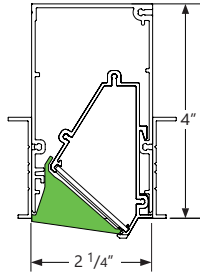
Type _____

Notes _____

The louver option provides lengthwise shielding.



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
Dim-to-Warm



Axitune
Tunable White



PoE



Listed



cULus Listed
Type I.C.



Ordering Guide

WWR	SL											
PRODUCT ID	LIGHT ENGINE	NOM. LUMENS/FT	CRI	COLOR TEMP.	SHIELDING	LENGTH (FT)						
WWR Wall Wash Recessed SurroundLite	SL SurroundLite	375 375 lm/ft - Min 1000 1000 lm/ft* - Max	80 80 CRI 90 90 CRI	27 2700 K 30 3000 K 35 3500 K 40 4000 K	TW2750 2700-5000 K Tunable White DW3020 3000-2000 K Dim to Warm	MAL microgroove aluminum* (standard) L black louver**	1 1' nominal 2 2' 3 3' 4 4' 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.		* Standard black ** Louver not available for outputs above 500 lm/ft.						

FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING
W white C custom	120 120 V 277 277 V 347 347 V UNV universal DC low voltage*	DP dimming (0-10V) 1% LT(#) Lutron* BI bi-level dimming O(#) other** TW(#) tunable white drivers* POE(#) POE drivers*	1 1 circuit 2 2 circuits +E(#) emergency circuit *	TB9 t-bar 9/16" TB15 t-bar 15/16" ST screw slot t-bar TG9 tegular 9/16" TG15 tegular 15/16" DF drywall flange D drywall flangeless DB slip-through bracket DS drywall spackle flange
	* Only available with POE drivers.	*See page 2 to specify system **Please consult factory; see page 2	* Specify quantity	

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	CUSTOM (OPTIONAL)
B(#) battery pack (integral)	F fuse * FW(#) flex whip (6' std) CP Chicago plenum HD hold-down clip	C custom
Not available with 347V Minimum 4ft; please consult factory	* Requires 120V or 277V	Please specify Consult factory for combinations of wall wash perfekt and Beam 2

● CONSTRUCTION

Housing	Extruded aluminum (0.060" nominal) Up to 70% recycled content
T-Bar Bracket	Die formed sheet steel (22 gauge)
Screw Slot T-Bar Bracket	Die formed sheet steel (22 gauge)
Slip-Through Bracket	Die formed sheet steel (18 gauge)
Spackle Flange	Die formed perforated sheet steel (20 gauge)
Flange	Extruded aluminum (0.065" nominal) Visible flange width: 9/16"
Interior Brackets	Die formed sheet steel (24 gauge)
Reflectors	Specular aluminum
Blank	Extruded aluminum (0.075" nominal)
Lens	Acrylic with Microtek detail

● ELECTRICAL

Lutron driver*	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LDE5 - 5-Series EcoSystem LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor
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 UL2108 certified for integral or remote driver 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

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

● 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°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 (32-104°F).

● OPTICS

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



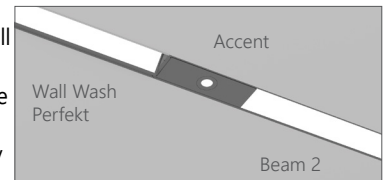
MAL - Microgroove Aluminum



L - Louvered Microgroove Aluminum

● OPTIONAL SYSTEMS WITH BEAM 2

Wall Wash Perfekt can be combined with Beam 2. Wall Wash Perfekt is the same width as Beam 2 and can be joined for a combination of both systems. Please specify the Beam 2 fixtures in the system separately.



Runs can accommodate Beam 2 lens and accent modules (order separately).

● APPROVALS

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



● 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.

● 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 of 1', 2', 4', 8', 12' as well as custom lengths 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 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 Wall Wash Perfekt installation sheets available for download at www.axislighting.com.

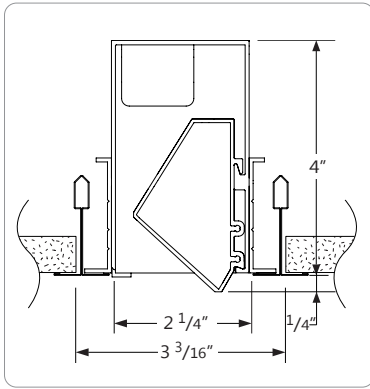
● WEIGHT

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

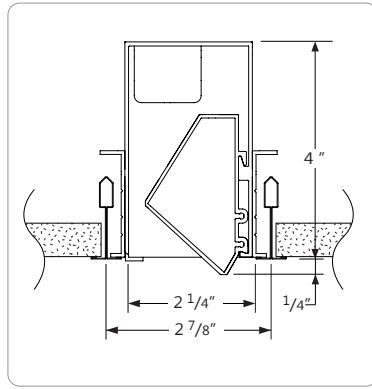
● FINISHES

Powder coated and custom finishes are also available.

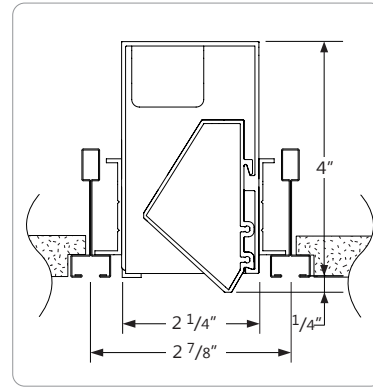
● TB CEILING MOUNTING OPTIONS



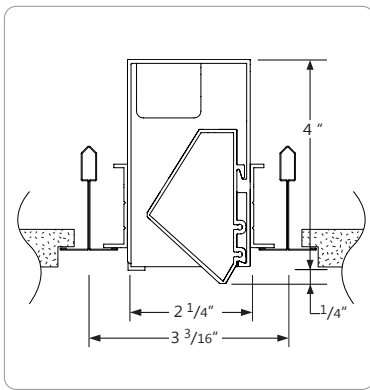
TB15 15/16" T-BAR



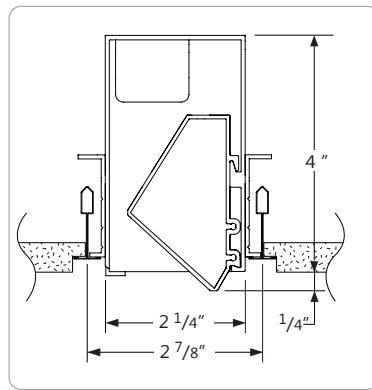
TB9 9/16" T-BAR



ST SCREW SLOT T-BAR

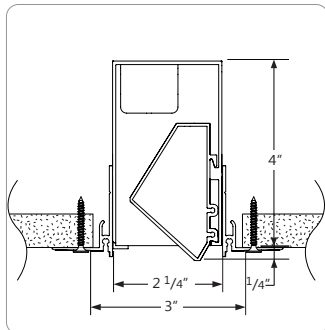


TG15 15/16" TEGULAR

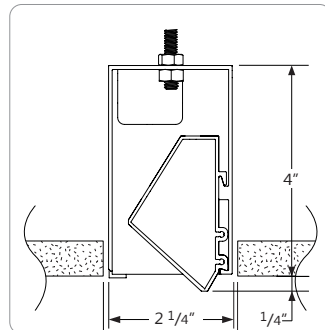


TG9 9/16" T-TEGULAR

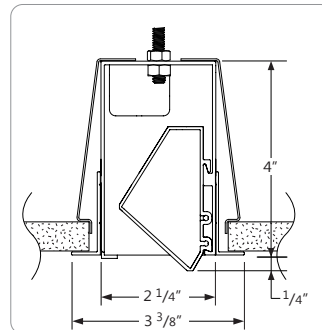
● DRYWALL CEILING MOUNTING OPTIONS



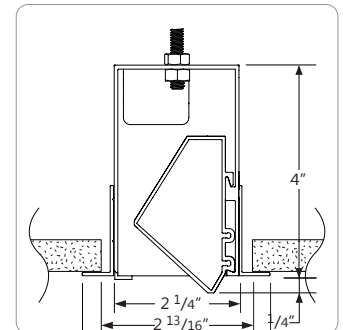
DS SPACKLE FLANGES



D FLANGELESS WITH
1/4-20 STUD MOUNTING



DB VISIBLE FLANGES WITH
SLIP-THROUGH BRACKET

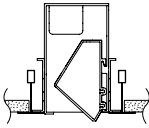


DF VISIBLE FLANGES WITH
1/4-20 STUD MOUNTING

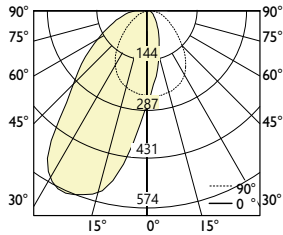
i Specification sheets and installation sheets for all mountings for WALL WASH PERFECT luminaires are available for download at www.axislighting.com

● PHOTOMETRIC DATA

375 lm/ft



PHOTOMETRIC CURVE



Total Lumens: 750 lm (for 2ft)
Lumens ft/down: 375 lm/ft
Input Watts: 8.9 W
Efficacy: 84 lm/W
 IES FILE: WWR-SL-375-80-35-W-2.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	242	242	242	242	242
5	188	192	203	220	243
15	100	109	134	175	236
25	48	55	78	126	217
35	19	24	42	80	177
45	1	5	17	47	122
55	1	1	1	25	78
65	0	0	1	8	48
75	0	0	0	1	30
85	0	0	0	0	9
90	0	0	0	0	0

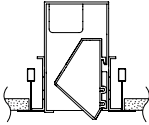
ZONAL LUMENS

Zone	Lumens
0	
0-10	24
10-20	80
20-30	127
30-40	149
40-50	131
50-60	101
60-70	70
70-80	44
80-90	23
90	

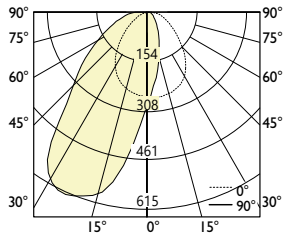
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	108	1397	10008
55	69	149	7875
65	43	108	6620
75	12	47	6653
85	105	105	5945

400 lm/ft



PHOTOMETRIC CURVE



Total Lumens: 804 lm (for 2ft)
Lumens ft/down: 400 lm/ft
Input Watts: 9.8 W
Efficacy: 82 lm/W
 IES FILE: WWR-SL-400-80-35-W-2.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	259	259	259	259	259
5	201	206	218	236	260
15	107	116	143	187	253
25	51	59	83	135	232
35	20	26	45	86	190
45	1	5	18	50	131
55	1	1	2	27	84
65	0	1	1	8	52
75	0	0	0	1	32
85	0	0	0	0	10
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	26
10-20	85
20-30	136
30-40	160
40-50	141
50-60	108
60-70	75
70-80	47
80-90	25
90	

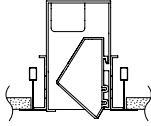
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	115	1496	10723
55	74	159	8437
65	46	116	7093
75	13	51	7128
85	112	112	6369

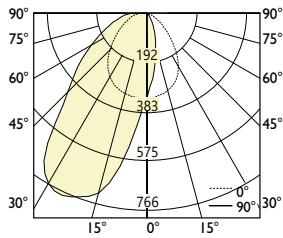
i All IES files are available for download at: www.axislighting.com

● PHOTOMETRIC DATA

500 lm/ft



PHOTOMETRIC CURVE



Total Lumens: 1001 lm (for 2ft)
Lumens ft/down: 500 lm/ft
Input Watts: 12 W
Efficacy: 83 lm/W
 IES FILE: WWR-SL-500-80-35-W-2.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	322	322	322	322	322
5	250	257	272	294	324
15	134	145	178	233	315
25	64	73	104	168	289
35	25	32	56	107	236
45	2	6	23	63	163
55	1	1	2	33	104
65	0	1	1	10	65
75	0	0	0	1	40
85	0	0	0	0	12
90	0	0	0	0	0

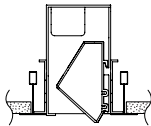
ZONAL LUMENS

Zone	Lumens
0	
0-10	33
10-20	106
20-30	170
30-40	199
40-50	175
50-60	135
60-70	94
70-80	59
80-90	31
90	

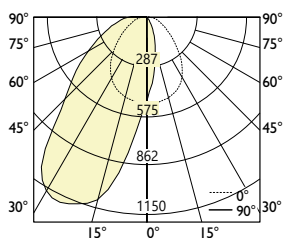
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	144	1864	13356
55	92	198	10509
65	58	144	8835
75	16	63	8879
85	140	140	7934

750 lm/ft



PHOTOMETRIC CURVE



Total Lumens: 1502 lm (for 2ft)
Lumens ft/down: 750 lm/ft
Input Watts: 18.2 W
Efficacy: 83 lm/W
 IES FILE: WWR-SL-750-80-35-W-2.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	483	483	483	483	483
5	375	385	407	440	486
15	201	217	267	350	473
25	96	110	156	252	433
35	37	48	84	161	354
45	3	10	34	94	245
55	1	2	3	50	156
65	1	1	2	16	97
75	0	0	0	2	60
85	0	0	0	0	18
90	0	0	0	0	0

ZONAL LUMENS

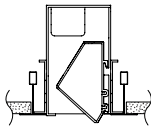
Zone	Lumens
0	
0-10	49
10-20	160
20-30	254
30-40	298
40-50	263
50-60	202
60-70	140
70-80	89
80-90	46
90	

LUMINANCE DATA (cd/m²)

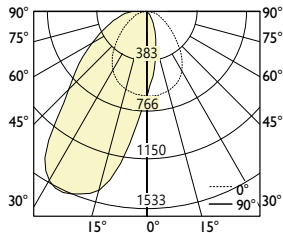
Vertical Angle	Horizontal Angles		
	0	45	90
45	216	2795	20034
55	138	298	15764
65	87	217	13252
75	23	94	13318
85	210	210	11900

● PHOTOMETRIC DATA

1000 lm/ft



PHOTOMETRIC CURVE



Total Lumens: 2002 lm (for 2ft)

Lumens ft/down: 1000 lm/ft

Input Watts: 25.4 W

Efficacy: 79 lm/W

IES FILE: WWR-SL-1000-80-35-W-2.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	645	645	645	645	645
5	500	513	543	587	649
15	267	290	356	466	630
25	128	146	208	336	578
35	50	64	112	214	472
45	4	13	46	125	327
55	2	2	4	67	208
65	1	1	2	21	129
75	0	0	1	2	79
85	0	0	0	0	24
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	65
10-20	213
20-30	339
30-40	397
40-50	350
50-60	270
60-70	187
70-80	118
80-90	62
90	

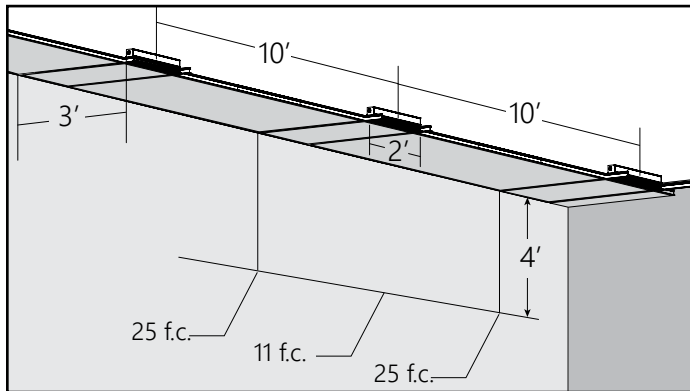
LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	288	3727	26712
55	184	397	21018
65	116	289	17670
75	31	126	17758
85	279	279	15867

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

● POWERFUL, COST-EFFECTIVE SURROUNDITE™

With innovative patent-pending asymmetric SurroundLite™ optics, Wall Wash Perfekt luminaires can be spaced wider apart while maintaining a consistent, quality wall washing effect.



3 Feet From Wall

Vertical Distance From Ceiling	Horizontal Distance From Luminaire															
	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'
1'	24	23	17	11	7	11	17	23	24	23	17	11	7	11	17	23
2'	26	25	19	13	8	13	19	25	26	25	19	13	8	13	19	25
3'	26	25	20	15	10	15	20	25	26	25	20	15	10	15	20	25
4'	25	25	20	16	11	16	20	25	25	25	20	16	11	16	20	25
5'	21	21	18	15	11	15	18	21	21	21	18	15	11	15	18	21
6'	17	17	15	13	10	13	15	17	17	17	15	13	10	13	15	17
7'	13	13	13	11	9	11	13	13	13	13	13	11	9	11	13	13
8'	11	10	10	9	8	9	10	10	11	10	10	9	8	9	10	11
9'	9	9	8	8	7	8	8	9	9	9	8	8	7	8	8	9

*Illuminances shown below were calculated using 1000lm/ft output