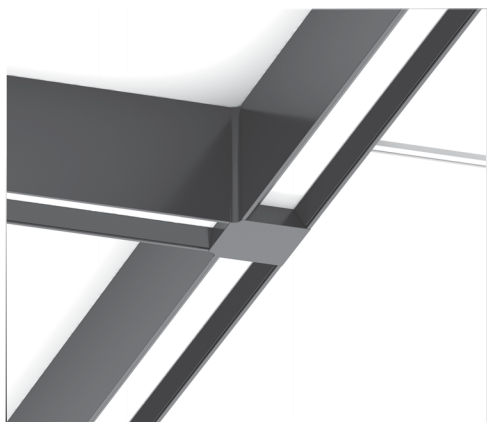


Stencil® Surface | Surface - Forms - Regressed



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K AT 80CRI

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
600 lm/ft	6.1 W/ft	106 lm/W

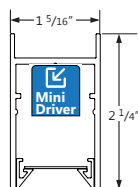
* Based on a 4 foot luminaire using one driver
Please consult factory for custom lumen output and wattage.

A configuration drawing is required

Factory is available for assistance
See page 2 for example of how to specify



Spotless Lens - Regressed



Ordering Guide

STSFR																		
PRODUCT ID		TOTAL LENGTH & NOM. LUMENS/FT - DIRECT						HUB QUANTITY		CRI		COLOR TEMP.						
STSFR	Stencil Surface Forms - Regressed	SO(length, lumen)	spotless lens	200	200 lm/ft	SO lens option only	AL(#)	L Hub (90°)	80	80 CRI	27	2700 K						
				300	300 lm/ft		+AT(#)	T Hub (90°)					90	90 CRI	30	3000 K		
				400	400 lm/ft		+AX(#)	X Hub (90°)										
							+AY(#)	Y Hub (120°)									40	4000 K
							+AH(#)	Hex Hub (120°)										
						+AI(#)	Inline Hub (180°)											
		Lit segments are available in 1' increments; Segment length from 2' to 8' continuous. 2' sections are NOT available with micro louver optic. Lengths suited for 30x30 grid are available, please consult factory for more information.																

FINISH	REGRESS FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING/ SUSPENSION	BATTERY - REMOTE (OPTIONAL)	CUSTOM (OPTIONAL)
AP aluminum paint	BLK black	120 120 V	DP integral driver	1 1 circuit	SB9 surface TB 9/16	B(#)	C custom
W white	AP aluminum paint	277 277 V	0-10V dimming (1%)*	2 2 circuits	SB15 surface TB 15/16		
BLK black	OGD optical gold*	347 347 V*	POE(#)	+E(#) emergency circuit*	SG9 surface TG 9/16		
C custom	W white	UNV universal	POE drivers**	+NL(#) night light circuit	SG15 surface TG 15/16		
		DC low voltage**			SBS surface screw slot t-bar		
					S surface drywall ceiling		
					*SC surface solid ceiling		
* See page 3 for more details.		*Consult factory ** Only available with POE drivers.	* Only integral 0-10V driver available ** Specify system	* Specify quantity	Specify length * Please consult factory for power feed options available for your ceiling type and application.	Remote only	Please specify

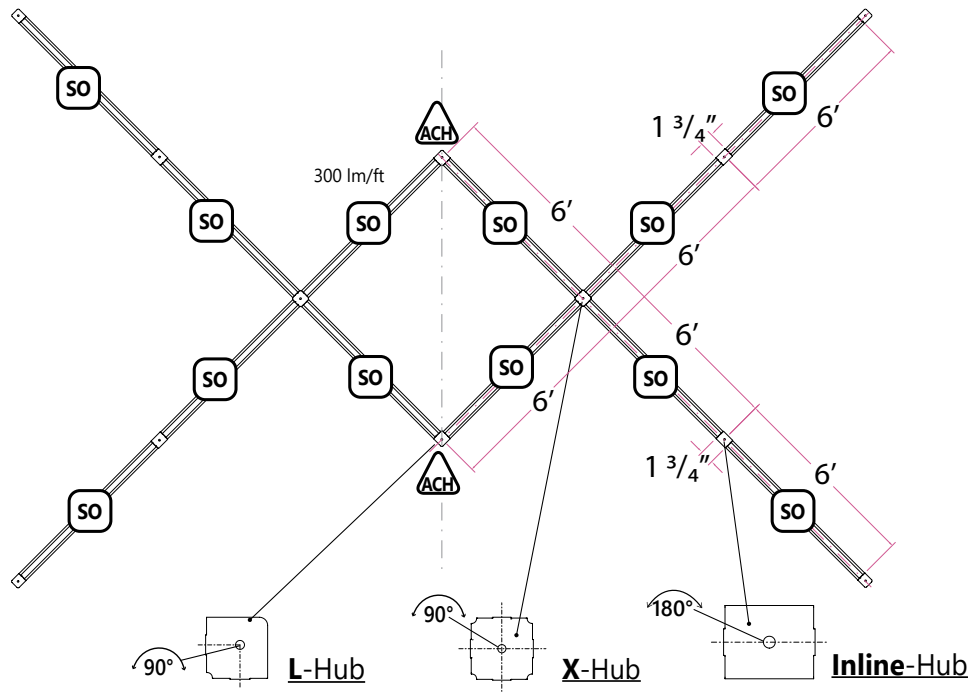
Ordering Guide-Accent Only (Optional)

ACCENT - ACH(#, Option, Beam, Finish)				
ACCENT QUANTITY	ACCENT OPTIONS	BEAM	ACCENT FINISH	
ACH(#)	accent quantity on hub	R regular	AC20 20 deg	AP aluminum paint
			AC35 35 deg	W white
				BLK black
Only available in 500 lumens, 3000 K, 80 CRI with 0-10V dimming (1%). Available on hub only. See page 5 for more information.		See page 5 for more information.		

How to Specify Total Linear Length, Distributions & Hubs

Example

SO Spotless lens



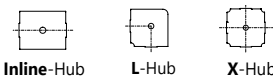
1. Specify Total Length - Spotless Lens

SO(72, 300)
TOTAL LENGTH* & NOM. LUMENS/FT - DIRECT

Spotless lens
SO(72, 300)
72' 300 lm/ft

2. Specify Hub Quantity

AI(4) + AL(2) + AX(2)
HUB QUANTITY***



3. Specify Accent Quantity (if necessary)

ACH(2,R,AC20,BLK)
ACCENT QUANTITY

Accent on hub 20 deg Black
ACH(2,R,AC20,BLK)
Qty. 2 Regular
ACH - Accent located on specified hub.

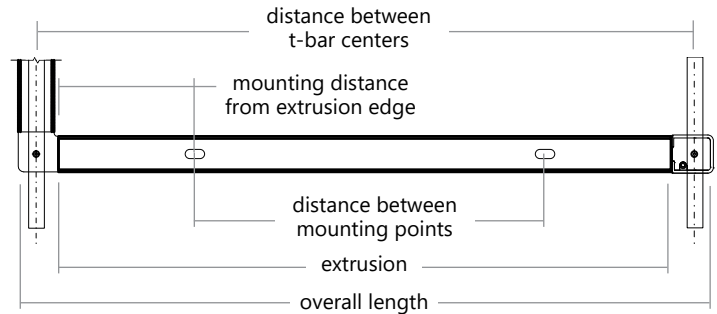
*Segment length from 2' to 8' continuous in one foot increments. Specify total linear length of each distribution.

**Blank segments: available in any length; min 7", max 8'.

***Specify total quantity of Hubs.

● SEGMENT LENGTHS AND MOUNTING POINTS

Hub End Caps					
Segment length		Extrusion	Mounting Distance from edge	Between mounting points	Overall length
Feet	Inches	Inches	Inches	Inches	Inches
2	24	22.375	4.6875	13.000	25.375
2.5	30	28.375	4.6875	19.000	31.375
3	36	34.375	4.6875	25.000	37.375
4	48	46.375	4.6875	37.000	49.375
5	60	58.375	4.6875	49.000	61.375
6	72	70.375	4.6875	61.000	73.375
7	84	82.375	4.6875	73.000	85.375
7.5	90	88.375	4.6875	79.000	91.375
8	96	94.375	4.6875	85.000	97.375



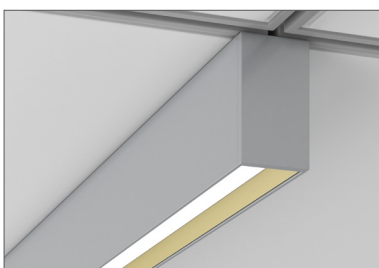
● HUB SERIES A

Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:

L-Hub (90°), T-Hub (90°), X-Hub (90°), Y-Hub (120°), Hex-Hub (120°), Inline-Hub (180°), and Hub-end cap.

L-Hub	T-Hub	X-Hub	Y-Hub-120	Hex-Hub	Inline -Hub	End cap-Hub

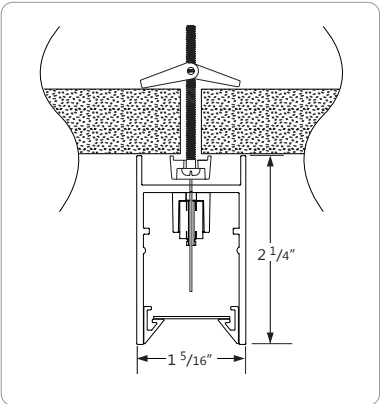
● REGRESS FINISH



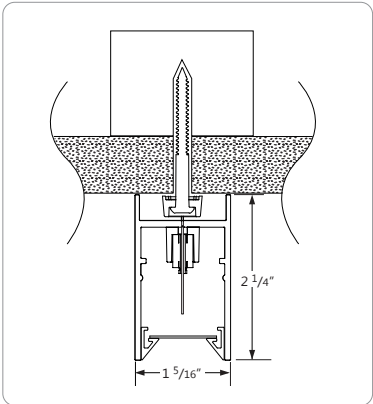
Gold regressed finish improves visual comfort by providing a soft, luxurious glow at the fixture level. Regress finish also available in Black, Aluminium or White.

● SURFACE MOUNTING OPTIONS

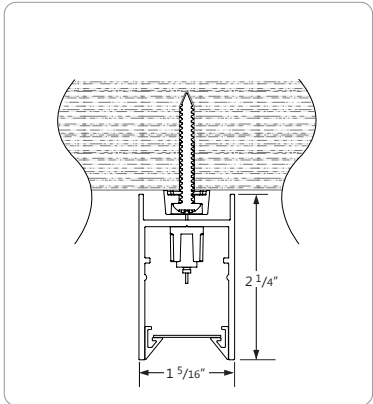
DRYWALL CEILING



S SURFACE DRYWALL CEILING

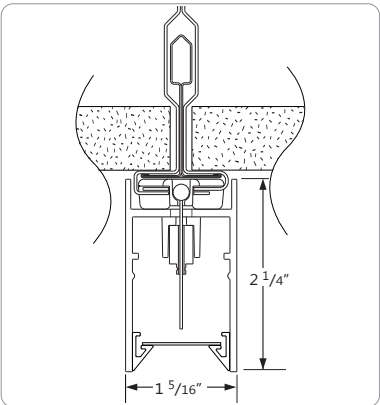


SC SURFACE DRYWALL THROUGH STUD

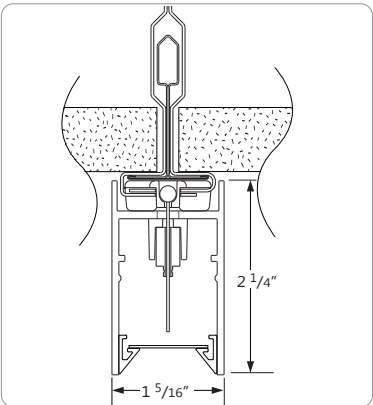


SC SURFACE SOLID CEILING

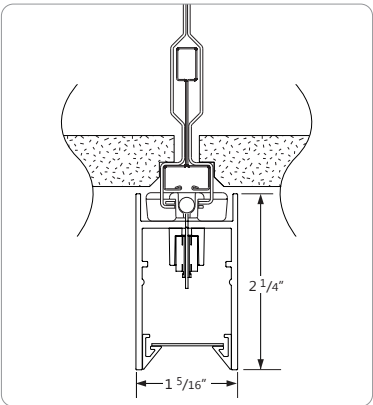
T-BAR CEILING



SB9 SURFACE 9/16" T-BAR - ON-GRID

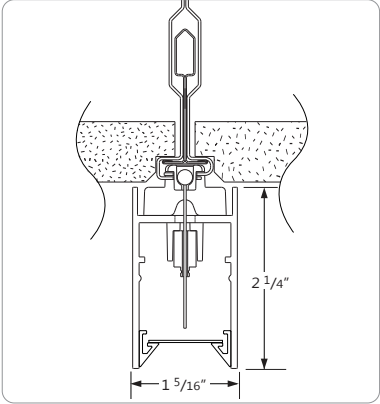


SB15 SURFACE 15/16" T-BAR - ON-GRID

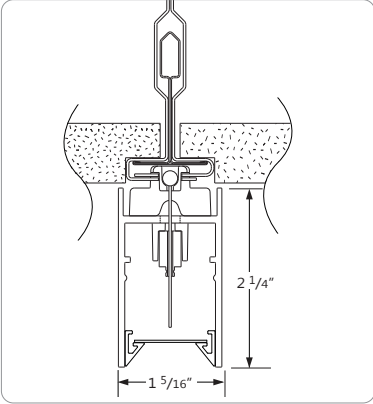


SBS SURFACE SCREW SLOT T-BAR

TEGULAR CEILING

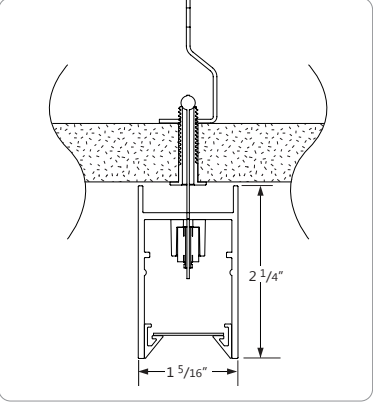


SG9 SURFACE TEGULAR 9/16 - ON-GRID



SG15 SURFACE TEGULAR 15/16 - ON-GRID

T-BAR AND TEGULAR CEILING



SG9/SG15 SURFACE TEGULAR / T-BAR - OFF-GRID
SB9/SB15

i Shown with spotless lens sheilding option.

Stencil® Surface | Surface - Forms - Regressed

● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index
CCT	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.0-step MacAdam ellipse).
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.
Performance	Up to 108 lm/W.

● CONSTRUCTION

Housing	Extruded aluminum (0.070" nominal)
End Cap+Joiner	Die cast aluminum
Reflectors	Extruded acrylic
Lenses	Extruded acrylic
Suspension	1/32" Aircraft cable
Cable Grips	Quick Connecting / Release

● ELECTRICAL

DP driver	STENCIL SURFACE features integral 0-10V driver 1% dimming standard. The integral 0-10V driver is the only driver available.
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Power over Ethernet POE drivers* (consult factory for more information) UL2108 certified for integral or remote driver	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
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Emergency	Remote emergency battery pack or emergency circuit optional.
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Input Voltage	120V, 277V, UNV, 347V
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i Incorporating these components may have limitations or effect the length of the luminaire, please contact factory for more details.

● 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.

● APPROVALS

Certified to UL and CSA standards  Suitable for damp locations.

● STENCIL SURFACE SEGMENTS

STENCIL SURFACE lit segments are available in lengths of 2' to 8' in one foot increments. Unlit blank segments are available in any length from 7" to 8'. Segments exceeding 8' in length are comprised of a combination of lengths to be assembled on site with an Inline Hub. Minimum blank segment length for one Accent is 3'.

For more information on systems and joining, please refer to the STENCIL SURFACE installation sheets available for download at www.axislighting.com.

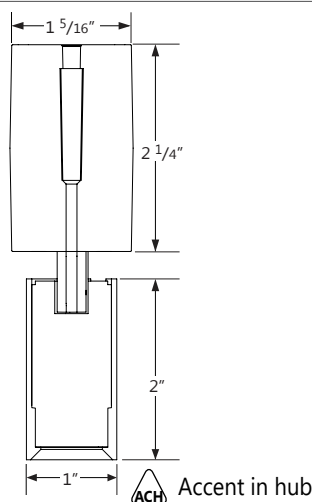
● LIGHT GUIDE

High precision light guide made of PMMA material, allows distribution of controlled light in all 3-dimensions to put light on both vertical and horizontal planes within the space. Patented lightguide design featuring molecular optics and precision-coupled optic components yield a high efficiency luminaire. In-plane mixing maximizes color uniformity while light emitting area is uniform and diffuse without 'head lighting' from the LED's.

● FINISH

Powder coated and custom finishes are also available.

● STENCIL SURFACE WITH ACCENT SECTION VIEW



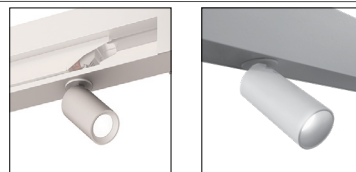
ACCENT EFFICACY

3 Accents /Driver 120V, 21W, 0.18A;
277V, 21.5W, 0.10A.

1 Accent /Driver 120V, 8W, 0.12A;
277V, 8.4W, 0.06A.

NOTE: Configuration of multiple accents with different drivers will change efficacy values.

● ACCENT OPTIONS



Regular shown

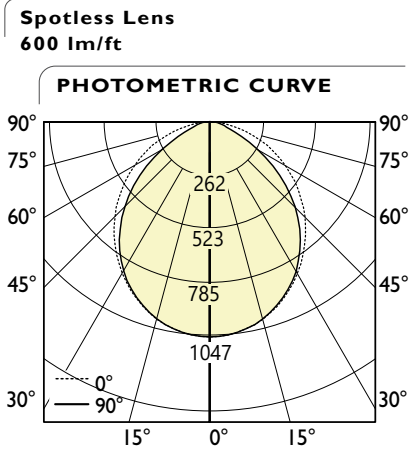
Snoot shown

Accent positioning options.



Accent available on hub only.

● PHOTOMETRIC DATA - DIRECT



Direct Output: 600 lm/ft
Total Lumens: 2577 lm (for 4ft)
Input Watts: 24.21 W
Efficacy: 106 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.
IES FILE: STSR-SO-600-80-35-4.IES
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1047	1047	1047	1047	1047
5	1040	1041	1041	1041	1041
15	994	994	994	994	993
25	908	908	905	902	901
35	791	790	783	772	765
45	653	650	632	602	587
55	503	497	457	400	375
65	343	332	261	192	171
75	181	158	86	73	73
85	43	28	25	24	24
90	2	2	2	2	2

ZONAL LUMENS	
Zone	Lumens
0	
0-10	99
10-20	280
20-30	417
30-40	488
40-50	482
50-60	400
60-70	259
70-80	121
80-90	32
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	26087	25255	23424
55	24761	22507	18455
65	22927	17428	11413
75	19711	9407	7975
85	13815	8245	7635

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