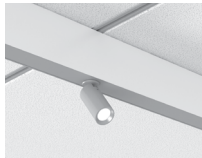
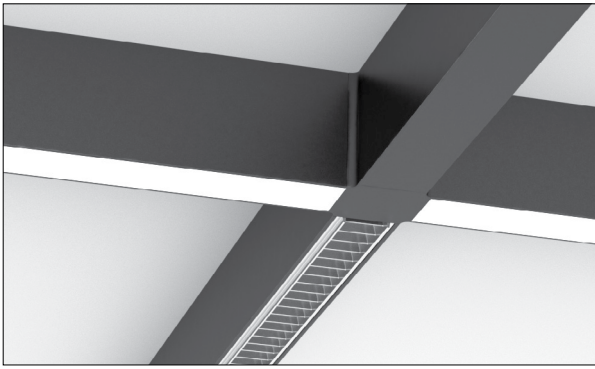
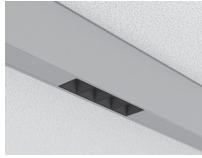


# Stencil® Surface | Surface - Forms



Accent regular shown



MikroLite 1.0 shown

Project \_\_\_\_\_

Type \_\_\_\_\_

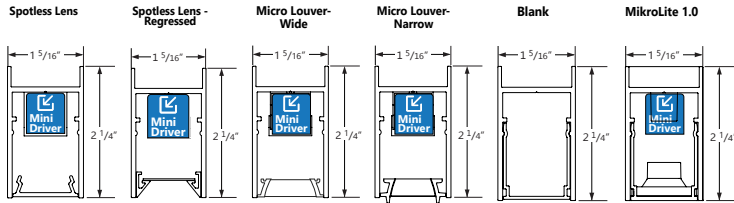
Notes \_\_\_\_\_



## A configuration drawing is required

Factory is available for assistance

See page 2 for example of how to specify



See page 5 for Accent section views

## PERFORMANCE PER LINEAR FOOT AT 3500K AT 80CRI

|                          | NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY |
|--------------------------|----------------------|--------------|----------|
| SO and SORG Lens options | 200 lm/ft            | 2.3 W/ft     | 88 lm/W  |
|                          | 300 lm/ft            | 3.15 W/ft    | 95 lm/W  |
|                          | 400 lm/ft            | 4.1W/ft      | 98 lm/W  |
| Micro louver Option only | 200 lm/ft            | 3.2 W/ft     | 71 lm/W  |
|                          | 300 lm/ft            | 4.1 W/ft     | 74 lm/W  |
|                          | 450 lm/ft            | 6.1 W/ft     | 74 lm/W  |
|                          | 600 lm/ft            | 8.1 W/ft     | 75 lm/W  |

\* Based on a 4 foot luminaire using one driver

Please consult factory for custom lumen output and wattage.

## Ordering Guide

| STSF                                                                                                                                                                                                                                                                                                                                                                           | PRODUCT ID                                                                                                                                                                                                                                                                                                                                                              | TOTAL LENGTH & NOM. LUMENS/FT - DIRECT                                                                                                                                                           | HUB QUANTITY                                                                                                                                                                                                                | CRI                                  | COLOR TEMP.                                                                  | FINISH                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| STSF Stencil<br>Surface<br>Forms                                                                                                                                                                                                                                                                                                                                               | <b>SO(length, lumen)</b> spotless lens<br><b>+SORG (length, lumen)</b> spotless lens regressed<br><b>+MLWB(length, lumen)</b> micro louver wide- black*<br><b>+MLNB(length, lumen)</b> micro louver narrow - black*<br><b>+MLWG(length, lumen)</b> micro louver wide - grey*<br><b>+MLNG(length, lumen)</b> micro louver narrow - grey*<br><b>B(length, NA)</b> blank** | <b>200</b> 200 lm/ft<br><b>300</b> 300 lm/ft<br><b>400</b> 400 lm/ft<br><b>200</b> 200 lm/ft<br><b>300</b> 300 lm/ft<br><b>450</b> 450 lm/ft<br><b>600</b> 600 lm/ft<br><b>NA</b> not applicable | <b>SO lens and SORG lens options</b><br><b>AL(#)</b> L Hub (90°)<br><b>+AT(#)</b> T Hub (90°)<br><b>+AX(#)</b> X Hub (90°)<br><b>+AY(#)</b> Y Hub (120°)<br><b>+AH(#)</b> Hex Hub (120°)<br><b>+AI(#)</b> Inline Hub (180°) | <b>80</b> 80 CRI<br><b>90</b> 90 CRI | <b>27</b> 2700 K<br><b>30</b> 3000 K<br><b>35</b> 3500 K<br><b>40</b> 4000 K | <b>AP</b> aluminum<br><b>W</b> white<br><b>BLK</b> black<br><b>C</b> custom |
| Lit segments are available in 1' increments; Segment length from 2' to 8' continuous.<br>* Micro louver recommended at outputs over 500 lm/ft. 2' sections are NOT available with micro louver optic.<br>Lengths suitable for 30x30 grid are available, please consult factory for more information. See more details on page 5.<br>**Available in any length; min 7", max 8'. |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                  |                                                                                                                                                                                                                             |                                      |                                                                              |                                                                             |

| VOLTAGE                                                                                                       | DRIVER                                                                       | CIRCUITS                                                                                                           | MOUNTING / SUSPENSION                                                                                                                                                                                                                   | REGRESS FINISH (OPT.)                                                                           | BATTERY - REMOTE (OPT.)                                          | CUSTOM (OPT.)   |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|
| <b>120</b> 120 V<br><b>277</b> 277 V<br><b>347</b> 347 V *<br><b>UNV</b> universal<br><b>DC</b> low voltage** | <b>DP</b> integral driver 0-10V dimming (1%)*<br><b>POE(#)</b> POE drivers** | <b>1</b> 1 circuit<br><b>2</b> 2 circuits<br><b>+E(#)</b> emergency circuit *<br><b>+NL(#)</b> night light circuit | <b>SB9</b> surface TB 9/16<br><b>SB15</b> surface TB 15/16<br><b>SG9</b> surface TG 9/16<br><b>SG15</b> surface TG 15/16<br><b>SBS</b> surface screw slot t-bar<br><b>S</b> surface drywall ceiling<br><b>*SC</b> surface solid ceiling | <b>BLK</b> black<br><b>AP</b> aluminum paint<br><b>OGD</b> optical gold*<br><b>W</b> white      | <b>BR(#)</b> remote battery pack                                 | <b>C</b> custom |
| * Consult factory<br>** Only available with POE drivers.                                                      | *Only integral 0-10V driver available<br>** Specify system                   | * Specify quantity                                                                                                 | Specify length<br>* Please consult factory for power feed options available for your ceiling type and application.                                                                                                                      | Only available with SORG - spotless lens regressed shielding.<br>* See page 5 for more details. | Remote only<br>Not available with 347V<br>Please consult factory | Please specify  |

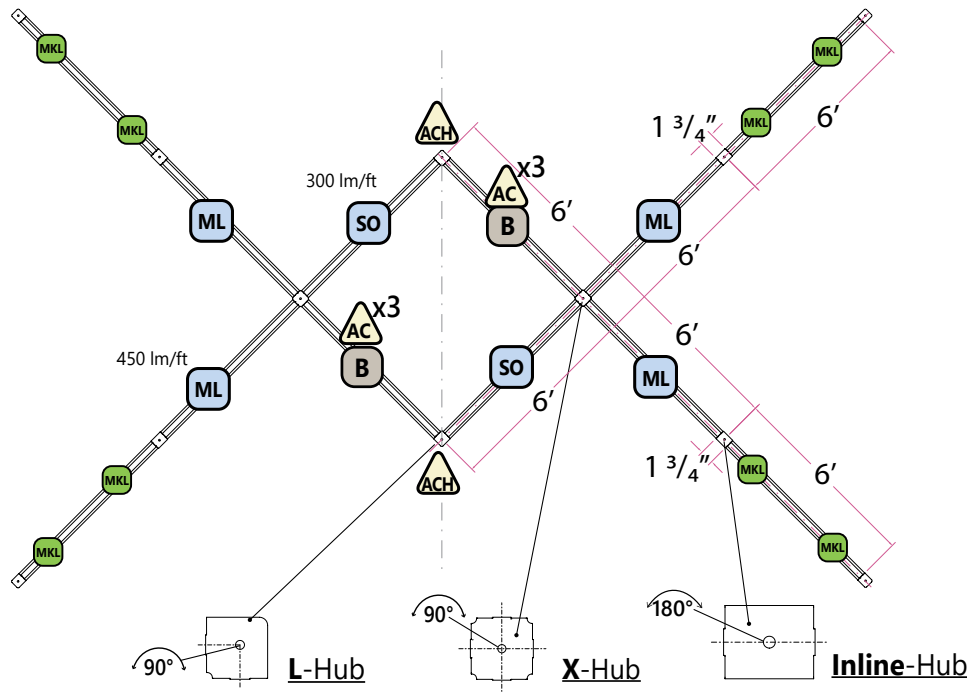
## Ordering Guide-MikroLite and Accent (Optional)

| MIKROLITE - MKL(#, Beam Angles, Cell Finish)                                                                                                                      |                                            |                                    | ACCENT - AC(#, Option, Beam, Finish) or ACH(#, Option, Beam, Finish)                                                                                                                                       |                  |                                          |                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------|----------------------------------------------------------------|
| MIKROLITE MODULE QTY                                                                                                                                              | BEAM ANGLE                                 | CELL FINISH                        | ACCENT QUANTITY                                                                                                                                                                                            | ACCENT OPTION    | BEAM                                     | ACCENT FINISH                                                  |
| <b>MKL(#)</b> MikroLite module                                                                                                                                    | <b>MKL35</b> 35 deg<br><b>MKL20</b> 20 deg | <b>GR</b> gray<br><b>BLK</b> black | <b>AC(#)</b> accent quantity<br><b>+ACH(#)</b> accent quantity on hub                                                                                                                                      | <b>R</b> regular | <b>AC20</b> 20 deg<br><b>AC35</b> 35 deg | <b>AP</b> aluminum paint<br><b>W</b> white<br><b>BLK</b> black |
| 1 module contains 4 MikroLites; Module length is 4". Minimum segment length is 3". Minimum distance from edge 3". 500 lm/module. See page 5 for more information. |                                            |                                    | Only available in 500 lumens, 3000 K, 80 CRI with 0-10V dimming (1%). Minimum spacing between Accents is 4". Accent provided on blank section by default (min length 2"). See page 5 for more information. |                  | See page 5 for more information.         |                                                                |

# How to Specify Total Linear Length, Distributions & Hubs

## Example

**SO** Spotless lens   **ML** Micro louver   **B** Blank   **MKL** MikroLite Module   **AC** Accent   **ACH** Accent on hub



1. Specify Total Length - Spotless Lens

SO(12-300)+ML(24-450)  
TOTAL LENGTH\* & NOM. LUMENS/FT - DIRECT

SO ML

spotless lens   micro louver  
SO(12-300)+ML(24-450)  
12'   300 lm/ft   24'   450 lm/ft

3. Specify Total Length - Blank

B(12)  
TOTAL LENGTH\*\* - BLANK

B

4. Specify Hub Quantity

AI(4)+AL(2)+AX(1)  
HUB QUANTITY\*\*\*

Inline-Hub   L-Hub   X-Hub

5. Specify MikroLite Module (if necessary)

MKL(8,35,GR)  
MikroLite MODULE (OPT.)

MKL

MikroLite   35 degree  
MKL(8,35,GR)  
Qty. 8   gray

6. Specify Accent Quantity (if necessary)

AC(8)  
ACCENT QUANTITY

AC   ACH

- Accent provided on blank section by default (min length 3').  
- Accent located on specified hub.

Accent   Regular   Aluminum paint   Accent on hub   Regular   Black  
AC(6,R,AC20,AP) + ACH(2,R,AC20,BLK)  
Qty. 6   Qty. 2   20 degree

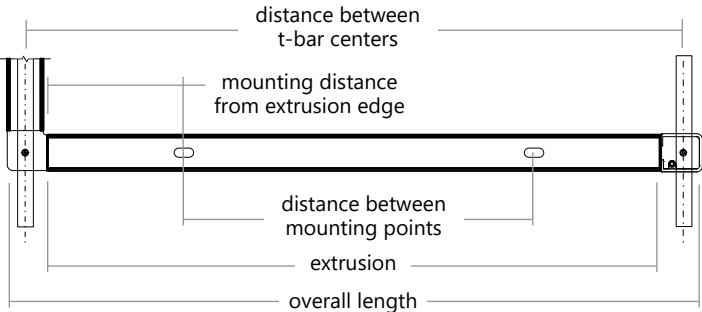
\*Segment length from 2' to 8' continuous in one foot increments. Specify total linear length of each distribution.

\*\*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

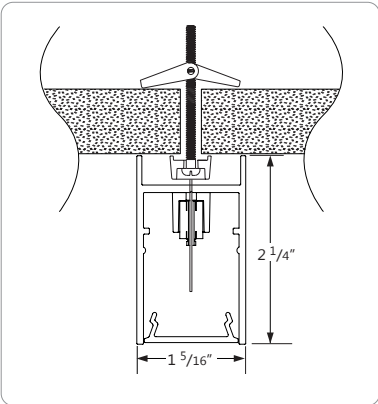
Patent-pending system combining mechanical, electrical and suspension functions. Non-illuminated lighting segment connectors:

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

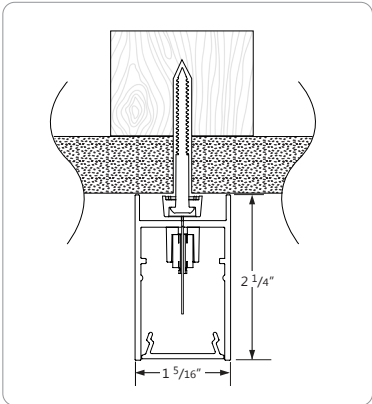
| L-Hub | T-Hub | X-Hub | Y-Hub-120 | Hex-Hub | Inline -Hub | End cap-Hub |
|-------|-------|-------|-----------|---------|-------------|-------------|
|       |       |       |           |         |             |             |

● SURFACE MOUNTING OPTIONS

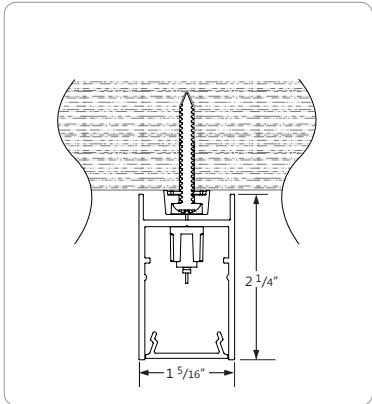
DRYWALL CEILING



**S** SURFACE DRYWALL CEILING

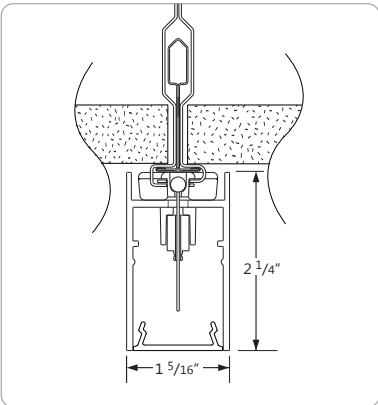


**SC** SURFACE DRYWALL THROUGH STUD

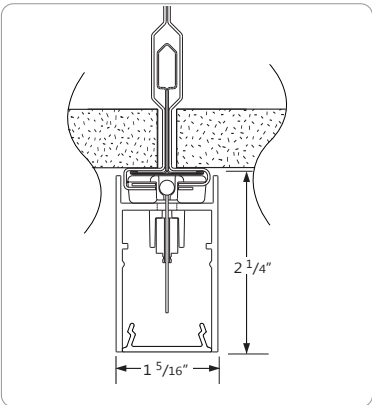


**SC** SURFACE SOLID CEILING

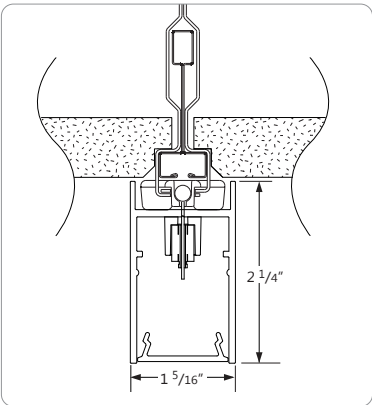
T-BAR CEILING



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

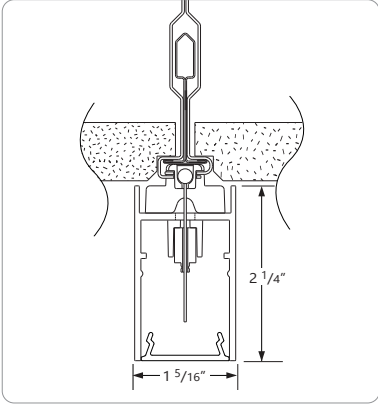


**SB15** SURFACE 15/16" T-BAR - ON-GRID

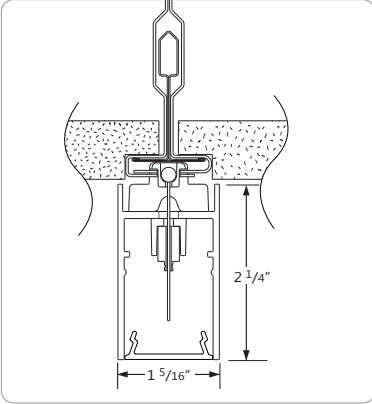


**SBS** SURFACE SCREW SLOT T-BAR

TEGULAR CEILING

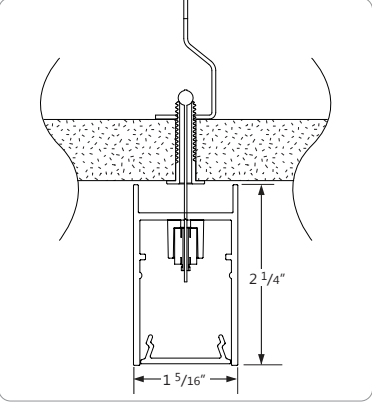


**SG9** SURFACE TEGULAR 9/16 - ON-GRID



**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 shielding option.

# Stencil® Surface | Surface - Forms

## ● LED SYSTEM

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

## ● CONSTRUCTION

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

## ● ELECTRICAL

|                  |                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>DP driver</b> | STENCIL SURFACE features integral 0-10V driver 1% dimming standard. The integral 0-10V driver is the only driver available. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|

|                                                |                             |
|------------------------------------------------|-----------------------------|
| <b>Power over Ethernet POE drivers*</b>        | MOLEX                       |
| (consult factory for more information)         | IGOR                        |
| UL2108 certified for integral or remote driver | SMARTENGINE                 |
| <b>Emergency</b>                               | O - Other (Consult factory) |

Remote emergency battery pack or emergency circuit optional.

|                      |                       |
|----------------------|-----------------------|
| <b>Input Voltage</b> | 120V, 277V, UNV, 347V |
|----------------------|-----------------------|

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

## ● FINISH

Powder coated and custom finishes are also available.

## ● 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](http://axislighting.com).

## ● APPROVALS

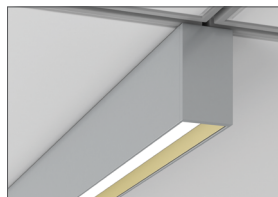
Certified to UL and CSA standards  Suitable for damp locations.

## ● 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](http://www.axislighting.com).

## ● REGRESS FINISH

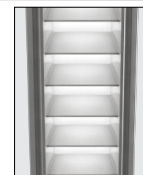


Gold regressed finish improves visual comfort by providing a soft, luxurious glow at the fixture level. Regress finish also available in Black, Aluminium or White.

## ● MICRO LOUVER OPTIONS



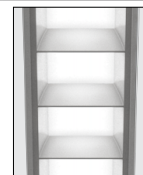
Black narrow micro louver shown - 60°, flush.



Grey narrow micro louver shown - 60°, flush.

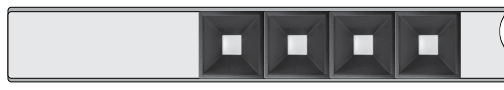


Black wide micro louver shown - 70°, regressed.



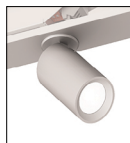
Grey wide micro louver shown - 70°, regressed.

## ● STENCIL SURFACE WITH MIKROLITE 1.0



1 module contains 4 Mikrolites

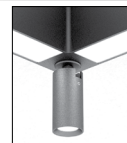
## ● ACCENT OPTIONS



Regular shown



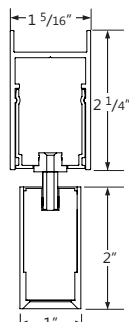
Accent on segment



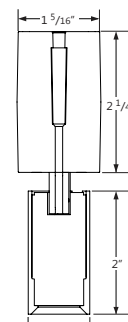
Accent on hub

Accent positioning options.

## ● STENCIL SURFACE WITH ACCENT SECTION VIEW



 Accent in blank



 Accent in hub

## ACCENT EFFICACY

### 3 Accents /Driver

120V, 21W, 0.18A;  
277V, 21.5W, 0.10A.

### 1 Accent /Driver

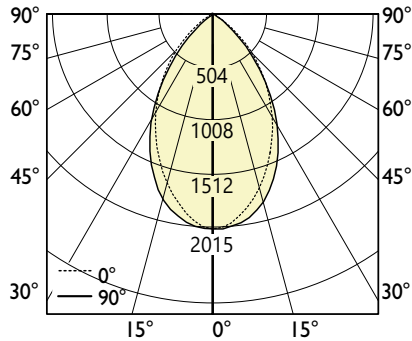
120V, 8W, 0.12A;  
277V, 8.4W, 0.06A.

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

● PHOTOMETRIC DATA - MICRO LOUVER DIRECT

Micro Louver Narrow Black  
600 lm/ft

PHOTOMETRIC CURVE



Direct Output: 600 lm/ft  
Total Lumens: 2312 lm (for 4ft)  
Input Watts: 46.9 W  
Efficacy: 49 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
IES FILE: STSLF-MLNB-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              | 2015              | 2015 | 2015 | 2015 | 2015 |
| 5              | 1970              | 1974 | 1980 | 1992 | 1994 |
| 15             | 1689              | 1699 | 1742 | 1797 | 1820 |
| 25             | 1313              | 1324 | 1349 | 1389 | 1434 |
| 35             | 913               | 916  | 899  | 897  | 932  |
| 45             | 513               | 508  | 469  | 422  | 431  |
| 55             | 137               | 155  | 145  | 109  | 100  |
| 65             | 15                | 11   | 7    | 2    | 2    |
| 75             | 2                 | 1    | 1    | 1    | 1    |
| 85             | 1                 | 1    | 1    | 1    | 1    |
| 90             | 1                 | 1    | 1    | 1    | 1    |

ZONAL LUMENS

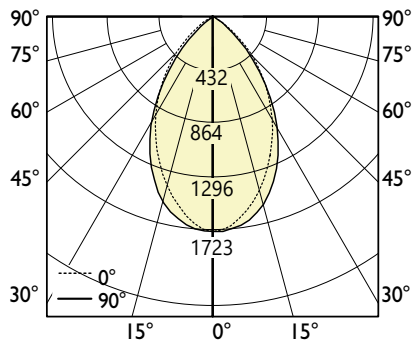
| Zone  | Lumens |
|-------|--------|
|       |        |
| 0     |        |
| 0-10  | 185    |
| 10-20 | 483    |
| 20-30 | 612    |
| 30-40 | 553    |
| 40-50 | 350    |
| 50-60 | 117    |
| 60-70 | 9      |
| 70-80 | 1      |
| 80-90 | 1      |
| 90    |        |

LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 29701             | 27185 | 24947 |
| 55             | 9763              | 10321 | 7147  |
| 65             | 1425              | 718   | 159   |
| 75             | 277               | 156   | 142   |
| 85             | 518               | 396   | 336   |

Micro Louver Narrow Grey  
600 lm/ft

PHOTOMETRIC CURVE



Direct Output: 600 lm/ft  
Total Lumens: 2420 lm (for 4ft)  
Input Watts: 35.7 W  
Efficacy: 68 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
IES FILE: STSLF-MLNG-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              | 1729              | 1729 | 1729 | 1729 | 1729 |
| 5              | 1692              | 1696 | 1704 | 1715 | 1717 |
| 15             | 1478              | 1484 | 1519 | 1563 | 1584 |
| 25             | 1191              | 1203 | 1217 | 1247 | 1287 |
| 35             | 876               | 881  | 869  | 863  | 894  |
| 45             | 558               | 556  | 524  | 482  | 489  |
| 55             | 245               | 259  | 241  | 205  | 198  |
| 65             | 106               | 102  | 92   | 79   | 76   |
| 75             | 51                | 50   | 44   | 41   | 41   |
| 85             | 13                | 13   | 14   | 13   | 13   |
| 90             | 1                 | 2    | 1    | 1    | 1    |

ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
|       |        |
| 0     |        |
| 0-10  | 160    |
| 10-20 | 423    |
| 20-30 | 554    |
| 30-40 | 534    |
| 40-50 | 392    |
| 50-60 | 206    |
| 60-70 | 91     |
| 70-80 | 47     |
| 80-90 | 14     |
| 90    |        |

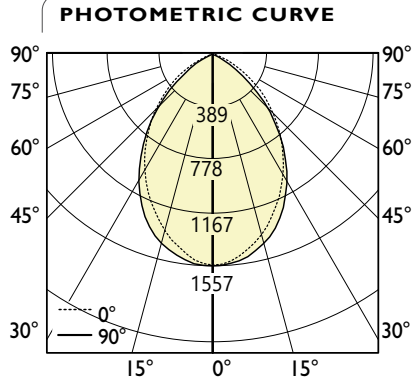
LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 32310             | 30347 | 28321 |
| 55             | 17465             | 17230 | 14136 |
| 65             | 10260             | 8893  | 7401  |
| 75             | 8041              | 7003  | 6420  |
| 85             | 6195              | 6379  | 6094  |

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

## ● PHOTOMETRIC DATA - MICRO LOUVER DIRECT

### Micro Louver Wide Black 600 lm/ft



**Direct Output: 600 lm/ft**  
**Total Lumens: 2465 lm (for 4ft)**  
**Input Watts: 32.7 W**  
**Efficacy: 75 lm/W**

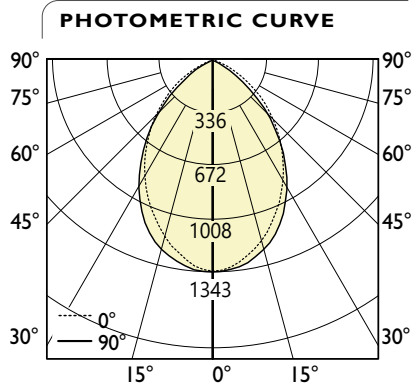
80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STSLF-MLWB-600-80-35-4.ies  
 TESTED ACCORDING TO IES LM-79-2008

| CANDELA DISTRIBUTION |                   |      |      |      |      |
|----------------------|-------------------|------|------|------|------|
|                      | Horizontal Angles |      |      |      |      |
| Vertical Angle       | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0                    | 1557              | 1557 | 1557 | 1557 | 1557 |
| 5                    | 1533              | 1533 | 1541 | 1545 | 1544 |
| 15                   | 1382              | 1385 | 1407 | 1438 | 1446 |
| 25                   | 1158              | 1167 | 1191 | 1217 | 1242 |
| 35                   | 904               | 907  | 906  | 912  | 943  |
| 45                   | 636               | 633  | 603  | 582  | 603  |
| 55                   | 372               | 356  | 316  | 273  | 276  |
| 65                   | 124               | 118  | 90   | 60   | 53   |
| 75                   | 6                 | 4    | 2    | 2    | 2    |
| 85                   | 2                 | 1    | 1    | 1    | 1    |
| 90                   | 1                 | 1    | 1    | 1    | 1    |

| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 145    |
| 10-20        | 393    |
| 20-30        | 541    |
| 30-40        | 559    |
| 40-50        | 458    |
| 50-60        | 276    |
| 60-70        | 88     |
| 70-80        | 5      |
| 80-90        | 1      |
| 90           |        |

| LUMINANCE DATA (cd/m²) |                   |       |       |
|------------------------|-------------------|-------|-------|
|                        | Horizontal Angles |       |       |
| Vertical Angle         | 0                 | 45    | 90    |
| 45                     | 36841             | 34945 | 34945 |
| 55                     | 26604             | 22563 | 19686 |
| 65                     | 11986             | 8772  | 5140  |
| 75                     | 917               | 353   | 272   |
| 85                     | 717               | 492   | 425   |

### Micro Louver Wide Grey 600 lm/ft



**Direct Output: 600 lm/ft**  
**Total Lumens: 2402 lm (for 4ft)**  
**Input Watts: 25.87 W**  
**Efficacy: 93 lm/W**

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

| CANDELA DISTRIBUTION |                   |      |      |      |      |
|----------------------|-------------------|------|------|------|------|
|                      | Horizontal Angles |      |      |      |      |
| Vertical Angle       | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0                    | 1343              | 1343 | 1343 | 1343 | 1343 |
| 5                    | 1328              | 1324 | 1327 | 1330 | 1330 |
| 15                   | 1205              | 1204 | 1218 | 1231 | 1240 |
| 25                   | 1029              | 1029 | 1039 | 1048 | 1064 |
| 35                   | 827               | 819  | 806  | 799  | 814  |
| 45                   | 611               | 596  | 559  | 529  | 532  |
| 55                   | 392               | 371  | 323  | 276  | 269  |
| 65                   | 179               | 166  | 132  | 100  | 89   |
| 75                   | 52                | 49   | 42   | 38   | 35   |
| 85                   | 14                | 13   | 11   | 9    | 8    |
| 90                   | 1                 | 1    | 1    | 1    | 1    |

| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 125    |
| 10-20        | 343    |
| 20-30        | 479    |
| 30-40        | 510    |
| 40-50        | 441    |
| 50-60        | 300    |
| 60-70        | 141    |
| 70-80        | 49     |
| 80-90        | 14     |
| 90           |        |

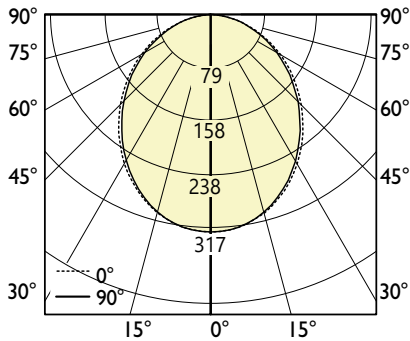
| LUMINANCE DATA (cd/m²) |                   |       |       |
|------------------------|-------------------|-------|-------|
|                        | Horizontal Angles |       |       |
| Vertical Angle         | 0                 | 45    | 90    |
| 45                     | 35413             | 32387 | 30844 |
| 55                     | 27995             | 23059 | 19211 |
| 65                     | 17399             | 12749 | 8674  |
| 75                     | 8183              | 6665  | 5578  |
| 85                     | 6758              | 5255  | 3992  |

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

● PHOTOMETRIC DATA - DIRECT

Spotless Lens  
200 lm/ft

PHOTOMETRIC CURVE



Direct Output: 200 lm/ft  
Total Lumens: 800 lm (for 4ft)  
Input Watts: 9.1 W  
Efficacy: 88 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
IES FILE: STSLF-SO-200-80-35-4.IES  
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 317               | 317  | 317 | 317  | 317 |
| 5              | 315               | 315  | 315 | 315  | 315 |
| 15             | 299               | 299  | 299 | 298  | 298 |
| 25             | 270               | 270  | 268 | 267  | 266 |
| 35             | 231               | 231  | 228 | 226  | 225 |
| 45             | 187               | 186  | 183 | 180  | 179 |
| 55             | 140               | 140  | 137 | 134  | 133 |
| 65             | 94                | 94   | 92  | 90   | 89  |
| 75             | 48                | 49   | 49  | 48   | 47  |
| 85             | 12                | 12   | 12  | 11   | 11  |
| 90             | 1                 | 1    | 1   | 1    | 1   |

ZONAL LUMENS

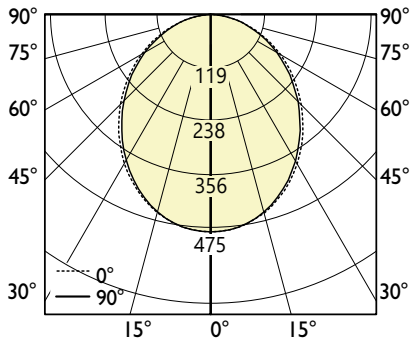
| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 30     |
| 10-20 | 84     |
| 20-30 | 123    |
| 30-40 | 143    |
| 40-50 | 141    |
| 50-60 | 123    |
| 60-70 | 91     |
| 70-80 | 51     |
| 80-90 | 14     |
| 90    |        |

LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 7985              | 7851 | 7675 |
| 55             | 7389              | 7239 | 7033 |
| 65             | 6701              | 6567 | 6363 |
| 75             | 5668              | 5694 | 5514 |
| 85             | 4079              | 4203 | 3874 |

Spotless Lens  
300 lm/ft

PHOTOMETRIC CURVE



Direct Output: 300 lm/ft  
Total Lumens: 1200 lm (for 4ft)  
Input Watts: 12.6 W  
Efficacy: 95 lm/W

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
IES FILE: STSLF-SO-300-80-35-4.IES  
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |     |      |     |
|----------------|-------------------|------|-----|------|-----|
|                | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0              | 475               | 475  | 475 | 475  | 475 |
| 5              | 472               | 472  | 472 | 472  | 472 |
| 15             | 449               | 449  | 448 | 447  | 447 |
| 25             | 405               | 405  | 403 | 400  | 399 |
| 35             | 346               | 346  | 342 | 338  | 337 |
| 45             | 280               | 280  | 275 | 271  | 269 |
| 55             | 210               | 210  | 206 | 202  | 200 |
| 65             | 140               | 140  | 138 | 135  | 133 |
| 75             | 73                | 74   | 73  | 72   | 71  |
| 85             | 18                | 18   | 18  | 17   | 17  |
| 90             | 1                 | 1    | 1   | 1    | 1   |

ZONAL LUMENS

| Zone  | Lumens |
|-------|--------|
| 0     |        |
| 0-10  | 45     |
| 10-20 | 126    |
| 20-30 | 185    |
| 30-40 | 214    |
| 40-50 | 212    |
| 50-60 | 184    |
| 60-70 | 136    |
| 70-80 | 77     |
| 80-90 | 21     |
| 90    |        |

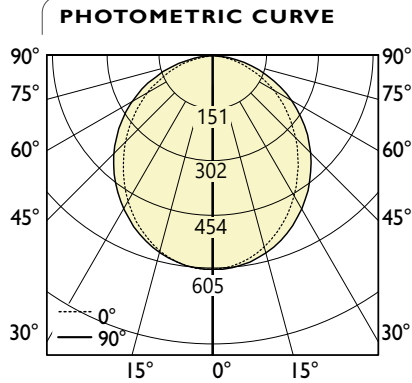
LUMINANCE DATA (cd/m²)

| Vertical Angle | Horizontal Angles |       |       |
|----------------|-------------------|-------|-------|
|                | 0                 | 45    | 90    |
| 45             | 11978             | 11776 | 11513 |
| 55             | 11084             | 10859 | 10550 |
| 65             | 10051             | 9851  | 9544  |
| 75             | 8502              | 8542  | 8271  |
| 85             | 6118              | 6304  | 5810  |

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

## ● PHOTOMETRIC DATA - DIRECT

### Spotless Lens 400 lm/ft



**Direct Output: 400 lm/ft**  
**Total Lumens: 1600 lm (for 4ft)**  
**Input Watts: 16.01 W**  
**Efficacy: 100 lm/W**

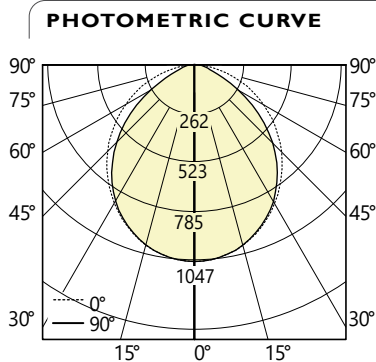
80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: STSLF-SO-400-80-35-4.IES  
 TESTED ACCORDING TO IES LM-79-2008

| CANDELA DISTRIBUTION |                   |      |     |      |     |
|----------------------|-------------------|------|-----|------|-----|
|                      | Horizontal Angles |      |     |      |     |
| Vertical Angle       | 0                 | 22.5 | 45  | 67.5 | 90  |
| 0                    | 604               | 604  | 604 | 604  | 604 |
| 5                    | 597               | 597  | 599 | 600  | 601 |
| 15                   | 558               | 560  | 567 | 573  | 576 |
| 25                   | 494               | 499  | 512 | 524  | 529 |
| 35                   | 415               | 422  | 441 | 458  | 466 |
| 45                   | 329               | 337  | 360 | 380  | 390 |
| 55                   | 241               | 249  | 273 | 294  | 303 |
| 65                   | 154               | 161  | 182 | 202  | 209 |
| 75                   | 72                | 78   | 91  | 106  | 112 |
| 85                   | 11                | 13   | 17  | 23   | 25  |
| 90                   | 0                 | 0    | 0   | 1    | 0   |

| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 57     |
| 10-20        | 161    |
| 20-30        | 239    |
| 30-40        | 281    |
| 40-50        | 285    |
| 50-60        | 253    |
| 60-70        | 190    |
| 70-80        | 106    |
| 80-90        | 27     |
| 90           |        |

| LUMINANCE DATA (cd/m²) |                   |       |       |
|------------------------|-------------------|-------|-------|
|                        | Horizontal Angles |       |       |
| Vertical Angle         | 0                 | 45    | 90    |
| 45                     | 41858             | 45837 | 49617 |
| 55                     | 37812             | 42873 | 47624 |
| 65                     | 32769             | 38735 | 44638 |
| 75                     | 25073             | 31762 | 39068 |
| 85                     | 11103             | 17519 | 25974 |

### Spotless Lens Regressed 600 lm/ft



**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 |                   |      |      |      |      |
|----------------------|-------------------|------|------|------|------|
|                      | Horizontal Angles |      |      |      |      |
| Vertical Angle       | 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    |

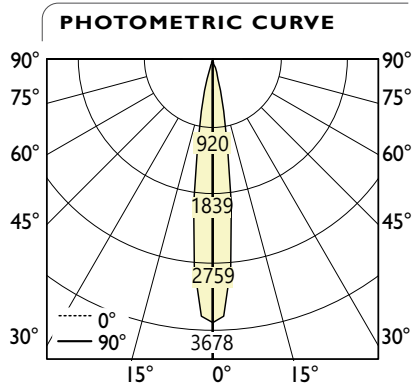
| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 99     |
| 10-20        | 280    |
| 20-30        | 417    |
| 30-40        | 488    |
| 40-50        | 482    |
| 50-60        | 400    |
| 60-70        | 259    |
| 70-80       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

| LUMINANCE DATA (cd/m²) |                   |       |       |
|------------------------|-------------------|-------|-------|
|                        | Horizontal Angles |       |       |
| Vertical Angle         | 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](http://www.axislighting.com)

## ● PHOTOMETRIC DATA - ACCENTS

### Accent 20 degree



**Total Lumens: 391 lm (for 1 accent)**  
**Input Watts: 7.9 W**  
**Efficacy: 49 lm/W**

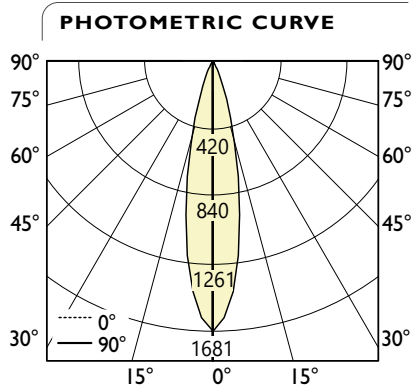
80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: Stencil-AC-D20(A17399G-20 DG).IES  
 TESTED ACCORDING TO IES LM-79-2008

| CANDELA DISTRIBUTION |                   |      |      |      |      |
|----------------------|-------------------|------|------|------|------|
| Vertical Angle       | Horizontal Angles |      |      |      |      |
|                      | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0                    | 3605              | 3605 | 3605 | 3605 | 3605 |
| 5                    | 2668              | 2516 | 1376 | 2760 | 2863 |
| 15                   | 398               | 366  | 183  | 405  | 422  |
| 25                   | 50                | 48   | 23   | 57   | 53   |
| 35                   | 12                | 11   | 5    | 12   | 12   |
| 45                   | 6                 | 6    | 3    | 6    | 6    |
| 55                   | 4                 | 4    | 2    | 4    | 4    |
| 65                   | 3                 | 3    | 1    | 3    | 3    |
| 75                   | 1                 | 1    | 0    | 1    | 1    |
| 85                   | 0                 | 0    | 0    | 0    | 0    |
| 90                   | 0                 | 0    | 0    | 0    | 0    |

| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 211    |
| 10-20        | 131    |
| 20-30        | 29     |
| 30-40        | 8      |
| 40-50        | 4      |
| 50-60        | 4      |
| 60-70        | 3      |
| 70-80        | 1      |
| 80-90        | 0      |
| 90           |        |

| LUMINANCE DATA (cd/m²) |                   |      |       |
|------------------------|-------------------|------|-------|
| Vertical Angle         | Horizontal Angles |      |       |
|                        | 0                 | 45   | 90    |
| 45                     | 16184             | 7724 | 16550 |
| 55                     | 14208             | 6951 | 14208 |
| 65                     | 12306             | 6360 | 13742 |
| 75                     | 5358              | 3013 | 6027  |
| 85                     | 1986              | 1005 | 5958  |

### Accent 35 degree



**Total Lumens: 355 lm (for 1 accent)**  
**Input Watts: 6.8 W**  
**Efficacy: 52 lm/W**

80 CRI shown. For 90 CRI, divide wattage by 0.8 and multiply efficacy by 0.8.  
 IES FILE: Stencil-AC-D35(A18322G-35 DG).IES  
 TESTED ACCORDING TO IES LM-79-2008

| CANDELA DISTRIBUTION |                   |      |      |      |      |
|----------------------|-------------------|------|------|------|------|
| Vertical Angle       | Horizontal Angles |      |      |      |      |
|                      | 0                 | 22.5 | 45   | 67.5 | 90   |
| 0                    | 1681              | 1681 | 1681 | 1681 | 1681 |
| 5                    | 1442              | 1453 | 1453 | 1455 | 1453 |
| 15                   | 527               | 518  | 518  | 512  | 506  |
| 25                   | 110               | 109  | 112  | 108  | 105  |
| 35                   | 25                | 25   | 25   | 25   | 24   |
| 45                   | 9                 | 9    | 9    | 9    | 9    |
| 55                   | 5                 | 5    | 5    | 5    | 5    |
| 65                   | 3                 | 3    | 3    | 3    | 3    |
| 75                   | 1                 | 1    | 1    | 1    | 1    |
| 85                   | 0                 | 0    | 0    | 0    | 0    |
| 90                   | 0                 | 0    | 0    | 0    | 0    |

| ZONAL LUMENS |        |
|--------------|--------|
| Zone         | Lumens |
| 0            |        |
| 0-10         | 123    |
| 10-20        | 145    |
| 20-30        | 55     |
| 30-40        | 17     |
| 40-50        | 7      |
| 50-60        | 5      |
| 60-70        | 3      |
| 70-80        | 1      |
| 80-90        | 0      |
| 90           |        |

| LUMINANCE DATA (cd/m²) |                   |       |       |
|------------------------|-------------------|-------|-------|
| Vertical Angle         | Horizontal Angles |       |       |
|                        | 0                 | 45    | 90    |
| 45                     | 30812             | 31571 | 30121 |
| 55                     | 21803             | 22482 | 21803 |
| 65                     | 15718             | 15604 | 16184 |
| 75                     | 4908              | 4908  | 5289  |
| 85                     | 2236              | 1684  | 2236  |

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

● PHOTOMETRIC DATA - MikroLite 1.0

