# 1SF LED
## Solid Front Under Cabinet Light

GET A QUOTE ＞

**Williams**®

CATALOG #: _____

1″

4-7/8″

Type: _____

PROJECT: _____

## FEATURES

- Small profile installs inconspicuously in confined spaces
- Delivers uniform, glare-free task lighting for work areas
- Housing keyhole slots and knockouts provide quick and easy installation
- Individual or continuous row mounting
- All-welded construction provides long lasting performance
- Available with attractive rocker switch for easy on/off
- Optional anti-microbial white finish available for use in healthcare applications
- Maximize energy savings with efficacies up to 117 lm/W
- Made Right Here® in the USA

## SPECIFICATIONS

- HOUSING – 20-gauge die-formed, welded C.R.S.
- SHIELDING – Diffuse matte acrylic, .080″ thick.
- FINISH – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High quality mid-power LED board(s). See fixture performance data for lumen maintenance. 25°C maximum ambient operating temperature.
- MOUNTING – Surface.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

**ORDERING EXAMPLE:** 1SF 4 - L24/835 - AF12125 - OPTIONS - DRV - UNV

### ORDERING INFO

| SERIES | LENGTH | LUMENS [1] | | CRI | CCT | | SHIELDING | |
|---|---|---|---|---|---|---|---|---|
| 1SF | 1 1′ | 1′ | | 8 80 | 30 | 3000K | DMA | Diffuse matte acrylic, .080″ thick |
| | 2 2′ | L6 | 600lm | | 35 | 3500K | AF12125 | Frosted acrylic, pattern #12, .125″ thick |
| | 3 3′ | 2′ | | | 40 | 4000K | | |
| | 4 4′ | L12 | 1,200lm | | | | | |
| | | 3′ | | | | | | |
| | | L18 | 1,800lm | | | | | |
| | | 4′ | | | | | | |
| | | L24 | 2,400lm | | | | | |

### OPTIONS

| | |
|---|---|
| GCO | Grounded convenience outlet [2] |
| C&P/120 | 6-1/2′ cord and plug, NEMA 5-15P [3] |
| WRS/120 | White rocker switch [4] |
| AMW | Anti-microbial white finish |

**OCCUPANCY SENSOR**

| | |
|---|---|
| OCCLV OSF10-IOW | Passive infrared sensor [5] |

### DRIVER

| | |
|---|---|
| DRV | Driver prewired for non-dimming applications |
| DIM | Dimming driver prewired for 0-10V low voltage applications |

### VOLTAGE

| | |
|---|---|
| 120 | 120V |
| 277 | 277V |
| UNV | 120-277V |

## NOTES

1. Lumen output based on 3500 CCT. Actual lumens may vary +/-5%.
2. 120V only; not available with 1′ fixture; cannot be used with occupancy sensor in 2′ fixture.
3. 120V only.
4. 120V only.
5. Factory-installed. 120V or 277V only. Not available with 1′ fixture.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065 ■ Designed and Manufactured in the USA

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Surface
Page 1 of 2

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## FIXTURE PERFORMANCE DATA

| | LED PACKAGE | DELIVERED LUMENS | WATTAGE | EFFICACY (lm/W) | LUMEN MAINTENANCE | | |
|---|---|---|---|---|---|---|---|
| | | | | | L80 | L85 | L90 |
| 1 | L6 | 610 | 5.9 | 102.9 | >72000 | >72000 | 50,000 |
| 2 | L12 | 1,283 | 11.4 | 112.7 | >72000 | 58,000 | 36,000 |
| 3 | L18 | 1,857 | 16.0 | 116.4 | >72000 | >72000 | 50,000 |
| 4 | L24 | 2,435 | 20.8 | 117.2 | >72000 | 58,000 | 36,000 |

### MULTIPLIER TABLE

| | COLOR TEMPERATURE | |
|---|---|---|
| | CCT | CONVERSION FACTOR |
| 80 CRI | 3000K | 0.99 |
| | 3500K | 1.00 |
| | 4000K | 1.03 |

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Predicted lumen maintenance calculated from LED manufacturer IES LM-80 data and In situ temperature measurement.
- Predicted lumen maintenance calculated in accordance with IES TM-21 per Energy Star (R) TM-21 Calculator rev. 02.08.16.
- Use multiplier table to calculate additional options.

## PHOTOMETRY

**1SF-4-L24/835-AF12125** Total Luminaire Output: 2435 lumens; 29 Watts | Efficacy: 84.1 lm/W | 80 CRI; 3500K CCT
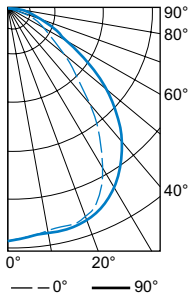


| VERTICAL ANGLE | HORIZONTAL ANGLE | | | ZONAL LUMENS |
|---|---|---|---|---|
| | 0º | 45º | 90º | |
| 0 | 1077 | 1077 | 1077 | 102 |
| 10 | 1045 | 1049 | 1060 | 297 |
| 20 | 1032 | 1043 | 1049 | 457 |
| 30 | 875 | 933 | 976 | 514 |
| 40 | 589 | 710 | 819 | 452 |
| 50 | 340 | 453 | 598 | 318 |
| 60 | 184 | 232 | 335 | 177 |
| 70 | 92 | 103 | 138 | 84 |
| 80 | 50 | 50 | 50 | 36 |
| 90 | 17 | 18 | 10 | 0 |

| ZONE | LUMENS | % FIXTURE |
|---|---|---|
| 0 - 30 | 855 | 35 |
| 0 - 40 | 1369 | 56 |
| 0 - 60 | 2139 | 88 |
| 0 - 90 | 2435 | 100 |
| 0 - 180 | 2435 | 100 |

## FIXTURE DETAILS

### BACK VIEW



ø5/8" Double "D" KO
Keyholes for mounting
1-7/16"
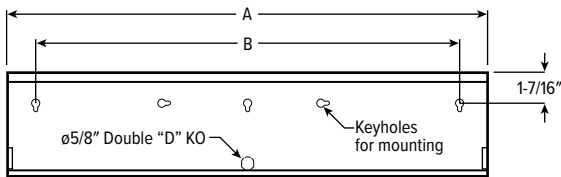
| NOMINAL LENGTH | ACTUAL LENGTH (A) | ACTUAL LENGTH (B) |
|---|---|---|
| 1' | 12-1/8" | 7-1/2" |
| 2' | 22-5/8" | 20" |
| 3' | 34-3/8" | 29" |
| 4' | 46-1/4" | 38" |

Back of housing provided with adequate keyhole slots and knockout for mounting and wiring.



- Occupancy sensor option
- WRS/120 option
- GCO option
- (3) 5/8" dia. Double "D" KO

## FINISH OPTIONS

WHITE   BLACK   BRONZE   NICKEL   SILVER   ALUMINUM
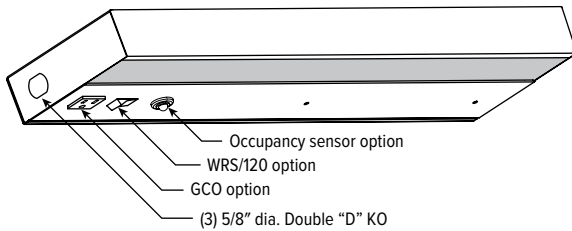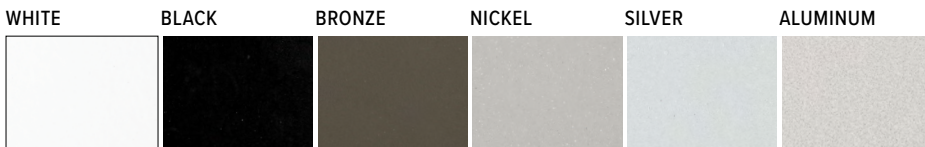
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

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Surface
Page 2 of 2