

# Maximum versatility highly efficient and simple to use.

## SB SERIES WIDE STRIP



WIDE STRIP 4 1/4" WIDTH, 1 7/8" DEPTH  
24", 36", 48", 96" LENGTHS  
1 OR 2 LAMPS IN A LUMINAIRE CROSS-SECTION T8 OR T12 LAMP

An array of symmetric and asymmetric reflectors designed for the SB Series strip fixture. Materials available are comprised of either post painted steel or mirrored silver options.

Project: \_\_\_\_\_  
Location: \_\_\_\_\_  
Catalog No: \_\_\_\_\_  
Fixture Type: \_\_\_\_\_  
Mfg: \_\_\_\_\_ Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Ordering Guide

Explanation of Catalog Number Example: SB248-120SO

| Side Strip                        | No. of Lamps in a Luminaire Cross-Section | Lamp Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Voltage                  | Ballast Type                                                                                                                                                                                       | Options                               |
|-----------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <input type="checkbox"/> SB       | <input type="checkbox"/>                  | <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | <input type="checkbox"/>                                                                                                                                                                           | <input type="checkbox"/>              |
| 4 1/4" wide x 1 7/8" deep channel | 1<br>2                                    | <b>24</b> = nominal 24" (2 Lamp) 17W T8 or 20W T12<br><b>36</b> = nominal 36" (2 Lamp) 25W T8 or 30W T12<br><b>48</b> = nominal 48" (2 Lamp) 32W T8 or 34W T8<br><b>48T</b> = nominal 96" (2 Lamp Tandem) 32W T8 or 34W T8<br><b>96S</b> = nominal 96" 59W T8 SL or 75W T12 SL<br><b>W2</b> = nominal 24" (1 Lamp) 17W T8 or 20W T12<br><b>W3</b> = nominal 36" (1 Lamp) 25W T8 or 30W T12<br><b>W4</b> = nominal 48" (1 Lamp) 32W T8 or 34W T8<br><b>W4T</b> = nominal 96" (1 Lamp Tandem) 32W T8 or 34W T8 | 120<br>277<br>347        | <20THD    <10THD<br><b>SO</b> * <b>RO</b> ** 2 Lamp Elec. T8<br><b>O4</b> * <b>R4</b> ** 1-4 Lamp Elec. T8<br><b>PS</b> —    LOL T8 Dimming<br>* Instant Start Standard<br>** Rapid Start Standard | Add appropriate suffix to catalog No. |

# SB SERIES WIDE STRIP

## Features

- 4¼" wide housing channel.
- Fully enclosed wiring.
- Snap-on ballast cover.
- Combination end cap for continuous row mounting.
- Convenience outlet and switch K.O.s provided.
- Optional hangers, wire guards and aligners.
- Optional heavy duty coupling.

## Specifications

**Materials:** Chassis parts are die-formed code gauge cold rolled steel, 1⅞" deep, 4¼" channel width.

**Lampholders:** Mounted to flip-up socket bridge which can be flipped up from the horizontal (shipping position) to the vertical (installation) position with 4 screws.

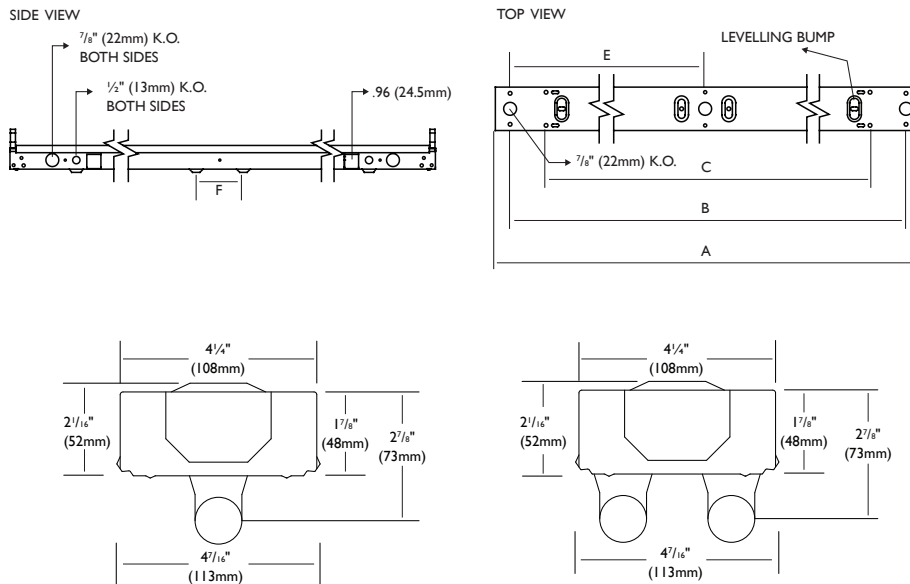
**Ballast Cover:** Snap-on type without fasteners. Screwdriver slots are to be provided in housing for easy removal of ballast cover.

**Finish:** Chassis exterior phosphate undercoating, baked white polyester enamel.

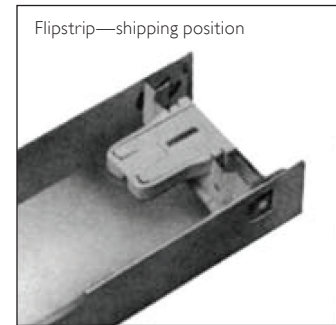
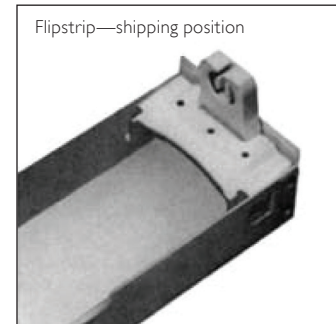
**Electrical:** Rapid start HPF, thermally protected class "P" ballast C.B.M. certified by E.T.L. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

**Labels:** Listed by CSA.

## Dimensions



## Mounting Methods/Features



| Nominal Length | A            | B                  | C                 | D                  | E            | F              |
|----------------|--------------|--------------------|-------------------|--------------------|--------------|----------------|
| 96"            | 96" (2438mm) | 93 15/16" (2396mm) | 89 1/16" (2262mm) | 86 15/16" (2208mm) | 47" (1194mm) | 3 3/16" (81mm) |
| 72"            | 72" (1829mm) | 59 15/16" (1522mm) | 65 1/16" (1653mm) | 62 15/16" (1599mm) | 35" (889mm)  | 3 3/16" (81mm) |
| 48"            | 48" (1219mm) | 45 15/16" (1167mm) | 41 1/16" (1043mm) | 38 15/16" (989mm)  | 23" (584mm)  | 3 3/16" (81mm) |
| 36"            | 36" (914mm)  | 33 15/16" (862mm)  | 29 1/16" (738mm)  | 26 15/16" (684mm)  | N/A          | N/A            |
| 24"            | 24" (610mm)  | 21 15/16" (557mm)  | 17 1/16" (433mm)  | 14 15/16" (379mm)  | N/A          | N/A            |
| 18"            | 18" (457mm)  | 15 15/16" (405mm)  | 13 1/2" (343mm)   | 8 15/16" (227mm)   | N/A          | N/A            |

# SB SERIES WIDE STRIP

## Performance

Report Number: G86118

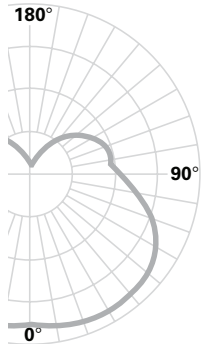
Catalog No: SB248120LE

Lamp Type: 2 F40T12/CW

Lumens per Lamp: 3150

Total Efficiency: 89.7%

Candela at Nadir: 993cd



| Angle | Along | 22.5 | 45.0 | 67.5 | Across |
|-------|-------|------|------|------|--------|
| 0     | 993   | 993  | 993  | 993  | 993    |
| 5     | 999   | 994  | 1004 | 999  | 982    |
| 15    | 971   | 978  | 995  | 1021 | 1014   |
| 25    | 905   | 930  | 973  | 1011 | 1029   |
| 35    | 794   | 838  | 943  | 1021 | 1039   |
| 45    | 659   | 734  | 892  | 994  | 1020   |
| 55    | 504   | 629  | 805  | 927  | 968    |
| 65    | 341   | 497  | 702  | 851  | 903    |
| 75    | 178   | 362  | 594  | 692  | 718    |
| 85    | 47    | 204  | 343  | 457  | 486    |
| 90    | 12    | 135  | 278  | 377  | 406    |
| 95    | 20    | 168  | 337  | 436  | 472    |
| 105   | 22    | 140  | 331  | 492  | 534    |
| 115   | 18    | 93   | 281  | 373  | 426    |
| 125   | 10    | 64   | 217  | 332  | 361    |
| 135   | 22    | 28   | 135  | 237  | 276    |
| 145   | 19    | 22   | 62   | 137  | 145    |
| 155   | 27    | 24   | 13   | 42   | 46     |
| 165   | 30    | 24   | 18   | 3    | 2      |
| 175   | 22    | 20   | 20   | 12   | 0      |
| 180   | 0     | 0    | 0    | 0    | 0      |

### Coefficients of Utilization

| RC                | 80%                                                             |    |    | 50% |    |    | 30% |    |    |    |
|-------------------|-----------------------------------------------------------------|----|----|-----|----|----|-----|----|----|----|
| RW                | 70                                                              | 50 | 30 | 50  | 30 | 10 | 50  | 30 | 10 |    |
| RCR               | Zonal Cavity Method<br>Effective Floor Cavity Reflectance = .20 |    |    |     |    |    |     |    |    |    |
| Room Cavity Ratio | 1                                                               | 92 | 87 | 82  | 76 | 73 | 70  | 69 | 67 | 64 |
|                   | 2                                                               | 83 | 75 | 68  | 65 | 60 | 56  | 59 | 55 | 52 |
|                   | 3                                                               | 75 | 65 | 57  | 57 | 51 | 46  | 52 | 47 | 43 |
|                   | 4                                                               | 68 | 57 | 49  | 50 | 44 | 39  | 46 | 41 | 36 |
|                   | 5                                                               | 62 | 50 | 42  | 44 | 37 | 32  | 40 | 35 | 30 |
|                   | 6                                                               | 57 | 44 | 36  | 39 | 32 | 27  | 36 | 30 | 26 |
|                   | 7                                                               | 52 | 40 | 31  | 35 | 28 | 24  | 32 | 26 | 22 |
|                   | 8                                                               | 48 | 35 | 28  | 31 | 25 | 20  | 29 | 23 | 19 |
|                   | 9                                                               | 44 | 32 | 24  | 28 | 22 | 17  | 26 | 20 | 16 |
|                   | 10                                                              | 41 | 29 | 21  | 26 | 19 | 15  | 23 | 18 | 14 |

Determined in accordance with current IES published procedures  
Luminaire input watts = 60.2

### Distribution

| Zone   | Lumens | % Lamp | % Luminaire |
|--------|--------|--------|-------------|
| 0-30   | 825    | 13.99  | 14.83       |
| 0-40   | 1406   | 23.85  | 25.28       |
| 0-60   | 2766   | 46.88  | 49.71       |
| 0-90   | 4327   | 73.34  | 77.76       |
| 40-90  | 2920   | 49.50  | 52.48       |
| 60-90  | 1561   | 26.46  | 28.05       |
| 90-180 | 1237   | 20.97  | 22.24       |
| 0-180  | 5564   | 94.32  | 100.00      |

## Options/Accessories



### Stem and Canopy Sets:

Suspends luminaire 12", 18", 24", 36", 48" from surface and can be used in conjunction with Heavy Duty Slide Grip Hanger.

Catalog Number:  
**STKF12** (12"), **STKF18** (18"),  
**STKF24** (24"), **STKF36** (36"),  
**STKF48** (48").



### Canopy Spacer:

Suspends luminaire approximately 1 1/2" from surface.

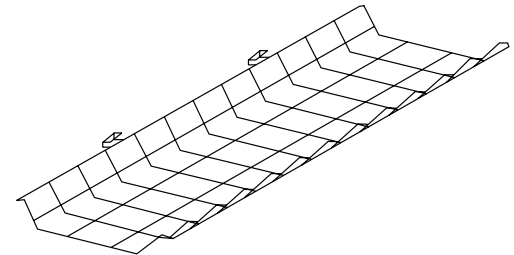
Catalog Number: **STSK**



### Chain Hanger Kit:

Two 18" heavy duty link chains with sturdy "V" hooks that grip luminaires at four knockout points for level suspension.

Catalog Number: **EE9HC**  
(for SB, EE, FF luminaires)



### Wire Guards:

Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection.

Catalog Number Luminaire  
**SB8G2-36** SB236, SB1W3  
**SB8G2-48** SB248, SB1W4  
SB248T & SB1W4T (order 2)  
SB196F & SB296F (order 2)



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