



# 8" Surface Mount Cross Baffle

## CFSCB813EB

## CFSCB818EB

## CFSCB826EB

Two 13W Twin Tube, 18W Quad Tube, or 26W CFL Quad Tube  
120V-277V

DATE: \_\_\_\_\_ TYPE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

PROJECT: \_\_\_\_\_

# LiteForms

For conversion to millimeters,  
multiply inches by 25.4  
Not to Scale

### APPLICATIONS:

The CFSCB series is a surface mounted cross baffle luminaire for low ceiling applications with limited plenum space. The shallow depth combined with a concealed lamp source makes the surface cross baffle the ideal luminaire for a wide variety of architectural spaces including commercial, retail and hospitality applications.

### HOUSING:

Seamless aluminum housing with powder coat finish. Spun aluminum top with provision for direct mounting to 3 1/2" or 4" outlet box. Spun aluminum bottom. Specify: brushed aluminum, matte black, bronze, matte white or Prescolite's exclusive Zet, metallic silver.

### REFLECTOR:

Specular clear reflector with parabolic cross baffle. Overlap self-flange standard.

### BALLAST:

One (1) compact fluorescent Class 'P' electronic multi-volt, multi-watt ballast suitable for operating 13W twin tube, 18W quad tube, or 26W quad tube lamps.

### LAMP:

Two (2) 13W twin tube with 2GX7 base, two (2) 18W quad tube with G24q-2 base, or two (2) 26W quad tube with G24q-3 base lamps. Lamps furnished by others.

### SOCKET:

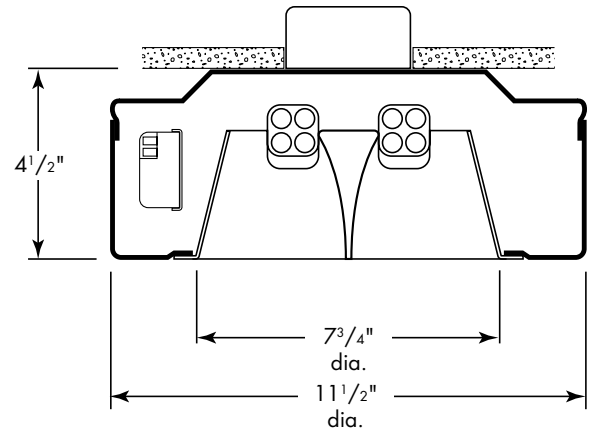
Two (2) injection molded sockets suitable for 13W twin tube, 18W quad tube, or 26W quad tube lamps.

### INSTALLATION:

Easy installation onto standard J-box.

### LABELS:

UL listed or UL/CSA listed with CDN option for damp locations and through wiring



CATALOG NUMBER: \_\_\_\_\_

EXAMPLE: CFSCB826EBBZ-STCB8CLSS

| CYLINDERS                                                                                                                                                                                                                                                                                                | CYLINDER OPTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CYLINDER FINISHES                                                                                                                                                                                                                                                                                                                                                                                                            | REFLECTORS                                                                                                                                                                                                                                                                     | REFLECTOR OPTIONS                                                                                                                                                                            | ACCESSORIES                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> <b>CFSCB813EB</b><br>Ceiling mount cross baffle (2) 13W 4-pin twin tube<br><input type="checkbox"/> <b>CFSCB818EB</b><br>Ceiling mount cross baffle (2) 18W 4-pin quad tube<br><input type="checkbox"/> <b>CFSCB826EB</b><br>Ceiling mount cross baffle (2) 26W 4-pin quad tube | <input type="checkbox"/> <b>CDN</b><br>Canadian Electrical code compliant ballast disconnect<br><input type="checkbox"/> <b>MW26</b><br>Max Wattage label, 26W<br><input type="checkbox"/> <b>FSDFA</b><br>Fuse kit installed at factory<br><input type="checkbox"/> <b>RIF1</b><br>Radio interference filter (single circuit) line voltage<br><input type="checkbox"/> <b>SYL2</b><br>Osram Sylvania Ballast (available only for standard EB option)<br><input type="checkbox"/> <b>DM</b><br>Electronic dimming ballast (contact factory for wall control system compatibility) | <input type="checkbox"/> <b>7DM</b><br>Advance Mark 7 Dimming Ballast to 5%, 4-wire, 0-10V, analog (120V-277V)<br><input type="checkbox"/> <b>XDM</b><br>Advance Mark 10 Dimming Ballast to 5%, 2-wire line voltage<br><input type="checkbox"/> <b>ECDM1</b><br>Lutron EcoSystem or 3-wire line voltage dimming ballast (120-277V). Dims to 5%.<br><input type="checkbox"/> <b>SMT</b><br>Philips Advance SmartMate® ballast | <input type="checkbox"/> <b>BA</b><br>Brushed Aluminum<br><input type="checkbox"/> <b>BL</b><br>Matte Black<br><input type="checkbox"/> <b>BZ</b><br>Bronze<br><input type="checkbox"/> <b>WH</b><br>Matte White<br><input type="checkbox"/> <b>Z</b><br>"Zet" Metallic Silver | <input type="checkbox"/> <b>STCB8CL</b><br>Specular clear Alzak<br><input type="checkbox"/> <b>SS</b><br>Semi-specular reflector<br><input type="checkbox"/> <b>WT</b><br>Painted white trim | <input type="checkbox"/> <b>FSDFI</b><br>Fuse kit for field installation<br><br><div>           2. Not available in 13W<br/>           3. Available for Osram Sylvania Quick 60+® Limited Warranty when used with Osram lamp(s). See <a href="http://www.prescolite.com">www.prescolite.com</a> for details.         </div> |

# PHOTOMETRIC DATA

## LiteForms® - 8" Surface Mount Cross Baffle CFSCB813EB/CFSCB818EB/CFSCB826EB

### BALLAST DATA

|                           | 120V        | 13W<br>277V | 347V        | 120V        | 18W<br>277V | 347V        | 120V        | 26W<br>277V | 347V        |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total System Watts        | 27W         | 28W         | N/A         | 38W         | 38W         | 36W         | 57W         | 57W         | 58W         |
| Input Current (Amps)      | 0.22        | 0.1         |             | 0.32        | 0.14        | 0.11        | 0.48        | 0.21        | 0.17        |
| Input Frequency           | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     | 50/60Hz     |
| Power Factor              | >97%        | >97%        |             | >97%        | >97%        | >97%        | >97%        | >97%        | >97%        |
| Ballast Factor            | 1           | 1           |             | >98%        | >98%        | 1           | >98%        | >98%        | 1           |
| Total Harmonic Distortion | <10%        | <10%        |             | <10%        | <10%        | <10%        | <10%        | <10%        | <10%        |
| Total Harmonic Distortion | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) | -18°C (0°F) |

### LAMP DATA

|                        |              |              |              |
|------------------------|--------------|--------------|--------------|
| Rated Watts            | 13W Twin     | 18W Quad     | 26W Quad     |
| Rated Lumens           | 900          | 1250         | 1800         |
| Efficacy (LPW)         | 69           | 69           | 69           |
| Rated Life             | 10,000 hours | 10,000 hours | 10,000 hours |
| CRI                    | 82           | 82           | 82           |
| Minimum Starting Temp. | 0° F         | 0° F         | 0° F         |

### LUMINANCE DATA IN CANDELA/SQ. METER

| Angle in Vertical | Average 0° | Average 45° | Average 90° |
|-------------------|------------|-------------|-------------|
| 45°               | 6685       | 8391        | 13893       |
| 55°               | 864        | 2161        | 400         |
| 65°               | 0          | 0           | 0           |
| 75°               | 0          | 0           | 0           |
| 85°               | 0          | 0           | 0           |

### AVERAGE INITIAL FOOTCANDLES

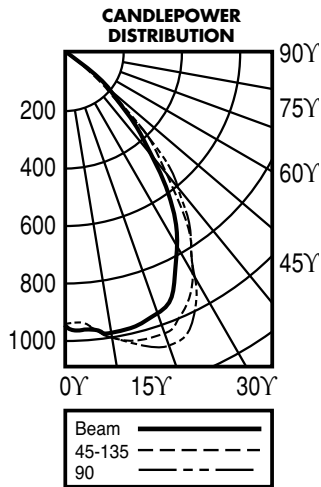
Multiple Units (Square Array)  
Ceiling 80% Wall 50% Floor 20%

#### 26W Quads

| SPACING | RCR1 | RCR3 | RCR7 |
|---------|------|------|------|
| 6.0     | 42   | 35   | 26   |
| 7.0     | 31   | 26   | 19   |
| 8.0     | 23   | 20   | 14   |
| 9.0     | 18   | 16   | 11   |
| 10.0    | 15   | 13   | 9    |

### CFSCB826EB-STCB8CL with Clear Alzak Reflector and Cross Baffle

Two 26W Quad  
Spacing Criteria:  
0° = 1.2  
90° = 1.3  
Efficiency: 43.1%



### CANDLEPOWER SUMMARY

| Angle | 0°  | 45° | 90° |
|-------|-----|-----|-----|
| 0     | 647 | 647 | 647 |
| 5     | 683 | 681 | 676 |
| 15    | 684 | 716 | 743 |
| 25    | 602 | 661 | 739 |
| 35    | 397 | 468 | 522 |
| 45    | 143 | 180 | 299 |
| 55    | 15  | 38  | 7   |
| 65    | 0   | 0   | 0   |
| 75    | 0   | 0   | 0   |
| 85    | 0   | 0   | 0   |

### COEFFICIENTS OF UTILIZATION Zonal Cavity Method

| Room Cavity Ratio | % Effective Ceiling Cavity Reflectance |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|-------------------|----------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|
|                   | 80%                                    |     |     |     | 70% |     |     |     | 50% |     |     |     | 30% |     |     |     | 10% |    |  |  |
|                   | 20% Effective Floor Cavity Reflectance |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|                   | % Wall Reflectance                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |  |  |
|                   | 70                                     | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10 |  |  |
| 1                 | .49                                    | .48 | .47 | .46 | .48 | .47 | .46 | .45 | .45 | .44 | .44 | .43 | .43 | .42 | .42 | .42 | .41 |    |  |  |
| 2                 | .47                                    | .45 | .43 | .41 | .46 | .44 | .42 | .41 | .42 | .41 | .40 | .41 | .40 | .39 | .40 | .39 | .38 |    |  |  |
| 3                 | .44                                    | .42 | .39 | .38 | .43 | .41 | .39 | .38 | .40 | .38 | .37 | .39 | .38 | .36 | .38 | .37 | .36 |    |  |  |
| 4                 | .42                                    | .39 | .37 | .35 | .41 | .38 | .36 | .34 | .37 | .36 | .34 | .37 | .35 | .34 | .36 | .34 | .33 |    |  |  |
| 5                 | .40                                    | .36 | .34 | .32 | .39 | .36 | .33 | .32 | .35 | .33 | .31 | .34 | .32 | .31 | .34 | .32 | .31 |    |  |  |
| 6                 | .38                                    | .34 | .31 | .29 | .37 | .33 | .31 | .29 | .33 | .31 | .29 | .32 | .30 | .29 | .32 | .30 | .29 |    |  |  |
| 7                 | .35                                    | .31 | .29 | .27 | .35 | .31 | .28 | .27 | .30 | .28 | .27 | .30 | .28 | .26 | .29 | .28 | .26 |    |  |  |
| 8                 | .33                                    | .29 | .26 | .24 | .33 | .29 | .26 | .24 | .28 | .26 | .24 | .28 | .26 | .24 | .27 | .25 | .24 |    |  |  |
| 9                 | .31                                    | .27 | .24 | .22 | .31 | .27 | .24 | .22 | .26 | .24 | .22 | .26 | .24 | .22 | .25 | .23 | .22 |    |  |  |
| 10                | .29                                    | .25 | .22 | .20 | .29 | .25 | .22 | .20 | .24 | .22 | .20 | .24 | .22 | .20 | .24 | .21 | .20 |    |  |  |

CFSCB826EB-STCB8CL

Test No. PL5125

### NOTES

☞ Denotes a Virtual Source reflector.

Refer to [www.prescolite.com](http://www.prescolite.com) for additional photometric tests (IES Files).



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