

1 or 2 Lamp  
Slimline T8 or T12

The ultimate in industrial fluorescent  
fixture efficiency

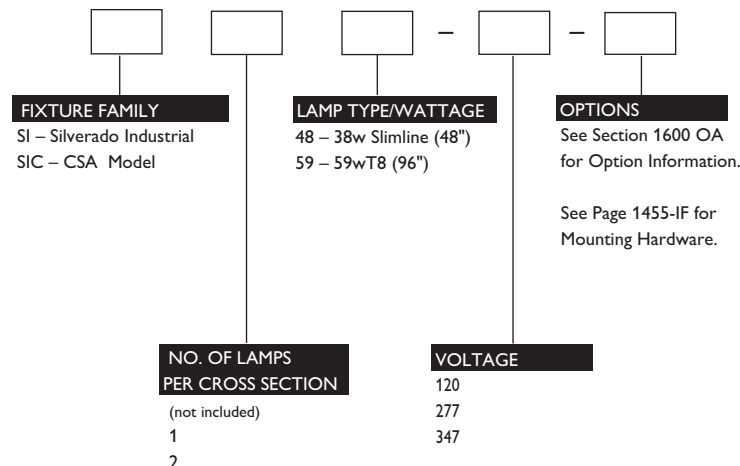
### CONSTRUCTION/FINISH

- Specular Silverado™ reflectors with 95% reflective surface increases task visibility directly below fixtures.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel with baked white enamel.
- Continuous rows utilize a simple concealed coupling, FL-3 (optional)
- Silverado™ reflectors feature specular silver laminate on aluminum substrate. Removable clear protective film standard on all fixtures. Top reflector surface painted in Dove Gray finish.
- Suitable for unit or row, direct or suspension mounting.

### ELECTRICAL

- UL listed for direct mounting on low density ceilings and damp locations. C.S.A. certified optional.
- Class P, HPF, CBM certified ballasts comply with Ⓔ Federal Ballast Law (Public Law 100-357,1988).
- Spring-loaded turret lampholders provide positive lamp engagement and electrical contact.

### CATALOG NUMBER



### NOTES:

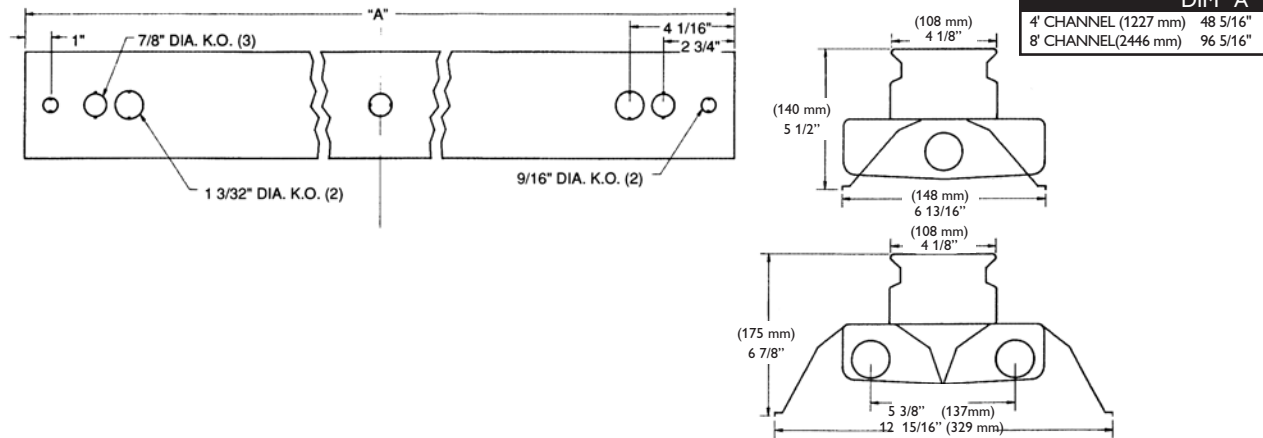
- With generic Electronic Ballasts (Brand selected by Day-Brite)  
Suffix Catalog # with- Ballast Quantity - / -EB Lamps Per Ballast  
Example: -1/2-EB = One 2 Lamp Electronic Ballast.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at [www.lamprecycle.org](http://www.lamprecycle.org)

### JOB INFORMATION

## DIMENSIONS



## PHOTOMETRIC DATA

CATALOG # SI 159-1/1-EB  
TEST # 42180 S/MH=1.5

LAMPS = F96 T8  
BALLAST = ELECTRONIC

INPUT WATTS = 60  
BALLAST FACTOR = .85

LER = FI-79  
FIXTURE EFFICIENCY = 97.0%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.04 BASED ON 3000 HRS. AND \$.08 PER KWH.

| CANDLEPOWER |      |      |       |  |
|-------------|------|------|-------|--|
| Angle       | End  | 45   | Cross |  |
| 0           | 1834 | 1834 | 1834  |  |
| 5           | 1834 | 1887 | 1976  |  |
| 10          | 1812 | 2008 | 2125  |  |
| 15          | 1772 | 2071 | 2247  |  |
| 20          | 1714 | 2130 | 2333  |  |
| 25          | 1640 | 2167 | 2227  |  |
| 30          | 1556 | 2112 | 2031  |  |
| 35          | 1457 | 1934 | 1831  |  |
| 40          | 1342 | 1729 | 1523  |  |
| 45          | 1209 | 1509 | 1063  |  |
| 50          | 1072 | 1207 | 843   |  |
| 55          | 922  | 808  | 717   |  |
| 60          | 769  | 605  | 659   |  |
| 65          | 602  | 494  | 515   |  |
| 70          | 447  | 408  | 298   |  |
| 75          | 291  | 221  | 91    |  |
| 80          | 155  | 40   | 2     |  |
| 85          | 56   | 3    | 1     |  |

| MAINTAINED ILLUMINATION TABLE- Square Feet/<br>Fixture*                                                                                               |                             |                                    |                  |                |                |               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------|------------------|----------------|----------------|---------------|
| ■ 80-50-20 Reflectances (Ceiling-Wall-Floor)<br>■ LLF = 0.74 5800 Lumens/Lamp (very clean)<br>■ Room width divided by room height = 5 or more, 2 or 1 |                             |                                    |                  |                |                |               |
| Fixture Size<br>& # of Lamps                                                                                                                          | Room Width<br>Room Height = | Approx. Area (sq. ft.) per Fixture |                  |                |                |               |
|                                                                                                                                                       |                             | 10 ft-c                            | 30 ft-c          | 50 ft-c        | 70 ft-c        | 100 ft-c      |
| 8'<br>1-Lamp                                                                                                                                          | 5<br>2<br>1                 | -<br>-<br>-                        | 144<br>100<br>73 | 87<br>60<br>44 | 62<br>43<br>31 | 43<br>30<br>- |

\*Observe Fixture S/MH Requirements for Specific Applications

| AVERAGE LUMINANCE<br>CD/SQ.M<br>WITH 5800 LUMEN LAMPS |      |      |       |  |
|-------------------------------------------------------|------|------|-------|--|
| ANGLE                                                 | END  | 45°  | CROSS |  |
| 45                                                    | 4255 | 5311 | 3742  |  |
| 55                                                    | 4001 | 3506 | 3111  |  |
| 65                                                    | 3545 | 2909 | 3033  |  |
| 75                                                    | 2798 | 2125 | 875   |  |
| 85                                                    | 1599 | 86   | 29    |  |

| TYPICAL V.C.P.'s<br>Room Mounting Height |            |           |     |    |
|------------------------------------------|------------|-----------|-----|----|
| Size                                     | Lengthwise | Crosswise |     |    |
|                                          | 8.5        | 10        | 8.5 | 10 |
| 30x30                                    | 49         | 50        | 64  | 59 |
| 40x40                                    | 51         | 50        | 66  | 64 |
| 60x30                                    | 55         | 56        | 67  | 62 |
| 60x60                                    | 53         | 51        | 66  | 67 |
| 100x100                                  | 57         | 53        | 72  | 69 |

| COEFFICIENT OF UTILIZATION |     |     |     |     |     |     |     |     |  |  |  |  |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| pfc                        | 20  |     |     |     |     |     |     |     |  |  |  |  |
| pc                         | 80  |     |     |     |     |     |     |     |  |  |  |  |
| pw                         | 70  | 50  | 30  |     |     |     |     |     |  |  |  |  |
| RCR                        |     |     |     |     |     |     |     |     |  |  |  |  |
| 0                          | 114 | 114 | 114 | 112 | 112 | 112 | 108 | 108 |  |  |  |  |
| 1                          | 107 | 103 | 98  | 104 | 100 | 96  | 95  | 93  |  |  |  |  |
| 2                          | 97  | 90  | 83  | 94  | 89  | 82  | 84  | 81  |  |  |  |  |
| 3                          | 90  | 80  | 72  | 86  | 78  | 71  | 76  | 69  |  |  |  |  |
| 4                          | 81  | 70  | 63  | 80  | 69  | 61  | 68  | 60  |  |  |  |  |
| 5                          | 76  | 64  | 55  | 73  | 63  | 55  | 60  | 54  |  |  |  |  |
| 6                          | 69  | 57  | 48  | 68  | 56  | 48  | 55  | 47  |  |  |  |  |
| 7                          | 65  | 52  | 44  | 63  | 51  | 44  | 50  | 42  |  |  |  |  |
| 8                          | 59  | 47  | 40  | 58  | 46  | 39  | 46  | 39  |  |  |  |  |
| 9                          | 56  | 44  | 35  | 55  | 42  | 35  | 41  | 34  |  |  |  |  |
| 10                         | 53  | 40  | 33  | 52  | 40  | 33  | 39  | 32  |  |  |  |  |

| LIGHT DISTRIBUTION |        |        |           |
|--------------------|--------|--------|-----------|
| DEGREES            | LUMENS | % LAMP | % FIXTURE |
| 0-30               | 1711   | 29.5   | 30.4      |
| 0-40               | 2853   | 49.2   | 50.7      |
| 0-60               | 4780   | 82.4   | 85.0      |
| 0-90               | 5626   | 97.0   | 100.0     |

LLF = .74 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94  
LLD = 0.92 @ 40% RATED LAMP LIFE BF = .85 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)

## PHOTOMETRIC DATA

CATALOG # SI 259-1/2-EB  
TEST # 42181 S/MH=1.4

LAMPS = F96 T8  
BALLAST = ELECTRONIC

INPUT WATTS = 108  
BALLAST FACTOR = .85

LER = FI-86  
FIXTURE EFFICIENCY = 95.6%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.79 BASED ON 3000 HRS. AND \$.08 PER KWH.

| CANDLEPOWER |      |      |       |  |
|-------------|------|------|-------|--|
| Angle       | End  | 45   | Cross |  |
| 0           | 4003 | 4003 | 4003  |  |
| 5           | 3996 | 4212 | 4428  |  |
| 10          | 3949 | 4483 | 4679  |  |
| 15          | 3862 | 4557 | 4695  |  |
| 20          | 3745 | 4475 | 4922  |  |
| 25          | 3588 | 4518 | 4914  |  |
| 30          | 3407 | 4545 | 4475  |  |
| 35          | 3195 | 4318 | 3650  |  |
| 40          | 2936 | 3800 | 2646  |  |
| 45          | 2677 | 3007 | 2073  |  |
| 50          | 2379 | 2108 | 1602  |  |
| 55          | 2049 | 1582 | 1060  |  |
| 60          | 1719 | 1142 | 557   |  |
| 65          | 1366 | 636  | 275   |  |
| 70          | 1021 | 267  | 86    |  |
| 75          | 675  | 71   | 0     |  |
| 80          | 377  | 0    | 0     |  |
| 85          | 126  | 0    | 0     |  |

| MAINTAINED ILLUMINATION TABLE- Square Feet/<br>Fixture*                                                                                               |                             |                                    |             |                |                 |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------|-------------|----------------|-----------------|----------------|
| ■ 80-50-20 Reflectances (Ceiling-Wall-Floor)<br>■ LLF = 0.74 5800 Lumens/Lamp (very clean)<br>■ Room width divided by room height = 5 or more, 2 or 1 |                             |                                    |             |                |                 |                |
| Fixture Size<br>& # of Lamps                                                                                                                          | Room Width<br>Room Height = | Approx. Area (sq. ft.) per Fixture |             |                |                 |                |
|                                                                                                                                                       |                             | 10 ft-c                            | 30 ft-c     | 50 ft-c        | 70 ft-c         | 100 ft-c       |
| 8'<br>2-Lamp                                                                                                                                          | 5<br>2<br>1                 | -<br>-<br>-                        | -<br>-<br>- | -<br>122<br>91 | 123<br>87<br>65 | 86<br>61<br>45 |

\*Observe Fixture S/MH Requirements for Specific Applications

| AVERAGE LUMINANCE<br>CD/SQ.M<br>WITH 5800 LUMEN LAMPS |      |      |       |  |
|-------------------------------------------------------|------|------|-------|--|
| ANGLE                                                 | END  | 45°  | CROSS |  |
| 45                                                    | 4994 | 5610 | 3867  |  |
| 55                                                    | 4712 | 3638 | 2438  |  |
| 65                                                    | 4264 | 1985 | 858   |  |
| 75                                                    | 3440 | 362  | 0     |  |
| 85                                                    | 1907 | 0    | 0     |  |

| TYPICAL V.C.P.'s<br>Room Mounting Height |            |           |     |    |
|------------------------------------------|------------|-----------|-----|----|
| Size                                     | Lengthwise | Crosswise |     |    |
|                                          | 8.5        | 10        | 8.5 | 10 |
| 30x30                                    | 57         | 53        | 81  | 76 |
| 40x40                                    | 59         | 56        | 82  | 77 |
| 60x30                                    | 59         | 58        | 83  | 78 |
| 60x60                                    | 58         | 57        | 83  | 78 |
| 100x100                                  | 60         | 58        | 85  | 81 |

| COEFFICIENT OF UTILIZATION |     |     |     |     |     |     |     |     |  |  |  |  |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
| pfc                        | 20  |     |     |     |     |     |     |     |  |  |  |  |
| pc                         | 80  |     |     |     |     |     |     |     |  |  |  |  |
| pw                         | 70  | 50  | 30  |     |     |     |     |     |  |  |  |  |
| RCR                        |     |     |     |     |     |     |     |     |  |  |  |  |
| 0                          | 113 | 113 | 113 | 111 | 111 | 111 | 106 | 106 |  |  |  |  |
| 1                          | 106 | 102 | 98  | 103 | 100 | 96  | 95  | 93  |  |  |  |  |
| 2                          | 97  | 91  | 84  | 94  | 89  | 83  | 85  | 81  |  |  |  |  |
| 3                          | 90  | 81  | 73  | 88  | 79  | 72  | 77  | 70  |  |  |  |  |
| 4                          | 82  | 71  | 65  | 81  | 70  | 64  | 68  | 63  |  |  |  |  |
| 5                          | 76  | 65  | 56  | 75  | 64  | 56  | 61  | 56  |  |  |  |  |
| 6                          | 70  | 58  | 51  | 68  | 57  | 51  | 56  | 50  |  |  |  |  |
| 7                          | 66  | 54  | 46  | 64  | 53  | 46  | 52  | 45  |  |  |  |  |
| 8                          | 60  | 48  | 40  | 59  | 47  | 40  | 46  | 40  |  |  |  |  |
| 9                          | 56  | 45  | 38  | 56  | 45  | 36  | 44  | 36  |  |  |  |  |
| 10                         | 54  | 41  | 34  | 53  | 40  | 34  | 40  | 34  |  |  |  |  |

| LIGHT DISTRIBUTION |        |        |           |
|--------------------|--------|--------|-----------|
| DEGREES            | LUMENS | % LAMP | % FIXTURE |
| 0-30               | 3723   | 32.1   | 33.6      |
| 0-40               | 6132   | 52.9   | 55.3      |
| 0-60               | 9982   | 86.1   | 90.0      |
| 0-90               | 11090  | 95.6   | 100.0     |

LLF = .74 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94  
LLD = 0.92 @ 40% RATED LAMP LIFE BF = 0.85 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)



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Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008