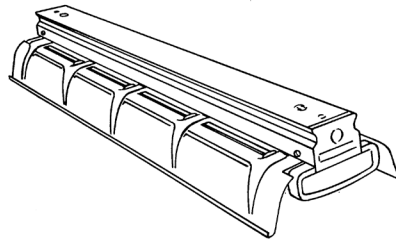


### Industrial

1F specification

T8



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Day-Brite / CFI 1F specification industrial is a heavy duty turret industrial fluorescent luminaire providing 10% uplight and 13° crosswise sheilding.

#### Ordering guide

Example: 1F232-PP-UNV-1/2-EBLHE

| Family                            | No. of Lamps per Cross Section | Lamp Type       | Reflector Options               | Voltage                        | Options                                                                 |
|-----------------------------------|--------------------------------|-----------------|---------------------------------|--------------------------------|-------------------------------------------------------------------------|
|                                   |                                |                 |                                 |                                |                                                                         |
|                                   |                                | 32 —            | —                               | —                              |                                                                         |
| 1F Spec. Industrial (10% uplight) | (not included)                 | 32 32W T8 (48") | PP Painted Polyester            | UNV Universal voltage 120/277V | 1/2 One 2-lamp ballast                                                  |
| T1F Tandem Unit                   | 2                              |                 | PPS Painted Polyester solid top | 120 120V                       | 1/3 One 3-lamp ballast                                                  |
|                                   | 3                              |                 |                                 | 277 277V                       | 1/21 2-lamp & 1-lamp ballasts                                           |
|                                   | 4                              |                 |                                 | 347 347V                       | 1/4 One 4-lamp ballast                                                  |
|                                   |                                |                 |                                 |                                | 2/2 Two 2-lamp ballasts                                                 |
|                                   |                                |                 |                                 |                                | 1/42 4-lamp & 2-lamp ballasts                                           |
|                                   |                                |                 |                                 |                                | 2/4 Two 4-lamp ballasts                                                 |
|                                   |                                |                 |                                 |                                | EB Electronic ballast, <10% THD                                         |
|                                   |                                |                 |                                 |                                | EB10R Electronic ballast, program rapid start, <10% THD                 |
|                                   |                                |                 |                                 |                                | EBHE Electronic ballast, high efficiency, std. ballast factor           |
|                                   |                                |                 |                                 |                                | EBLHE Electronic ballast, high efficiency, low ballast factor           |
|                                   |                                |                 |                                 |                                | EBHHE Electronic ballast, high efficiency, high ballast factor          |
|                                   |                                |                 |                                 |                                | E1 B100 emerg. ballast, 350-450 lumens, 120/277V                        |
|                                   |                                |                 |                                 |                                | E1CAN B100-CAN emerg. ballast, Canada market, 350-450 lumens, 120/347V  |
|                                   |                                |                 |                                 |                                | E7 B60 emerg. ballast, 600-700 lumens, 120/277V                         |
|                                   |                                |                 |                                 |                                | E5 B50 emerg. ballast, U.S. or Canada market, 1100-1400 lumens, UNV     |
|                                   |                                |                 |                                 |                                | ESCAN B50-CAN emerg. ballast, Canada market, 1100-1400 lumens, 120/347V |
|                                   |                                |                 |                                 |                                | ESST B50ST emerg. ballast w/self test, 1100-1400 lumens, UNV            |
|                                   |                                |                 |                                 |                                | GLR Fusing, fast blow                                                   |
|                                   |                                |                 |                                 |                                | LT20 -20°F start option (use in conjunction with ballast option)        |
|                                   |                                |                 |                                 |                                | Power Connect modular wiring available, see sheet 1604-OA for details   |

#### Accessories (order separately)

- CS-400 Rigid Canopy
- CS-500 42" Top Swivel Canopy
- CS-12 12" Stem
- CS-18 18" Stem
- CS-24 24" Stem
- CS-30 30" Stem
- CS-36 36" Stem
- CS-48 48" Stem
- FL-111 Sliding hanger, conduit/stem/screw
- FL-117 Hook, chain (requires FL-111)
- FL-119 Hook, messenger cable (requires FL-111)
- FL-123 5' chain (w/S-hooks) set
- FL-173 4' wire guard (use 2 for 8')
- FL-3 Channel coupling
- FL-5 Reflector end cap (pair)
- N-3381 Universal joint aligner, octagonal box, 3/4" I.P.S.



# 1F Specification industrial

T8

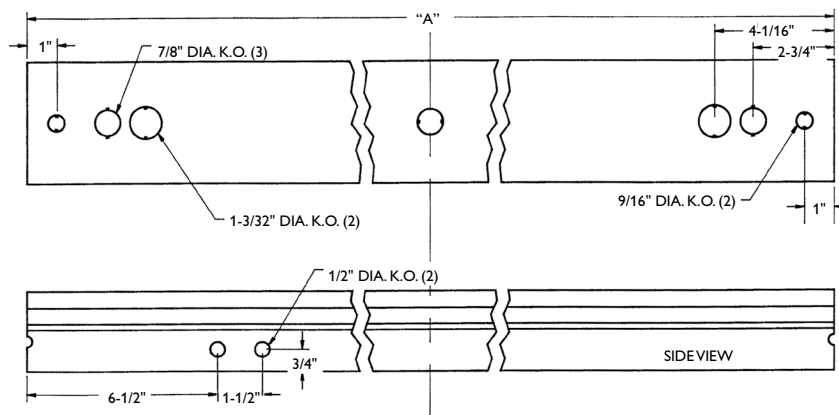
## Construction/Finish

- Reflectors provide 10% uplight. Solid tops are available.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel.
- Reflectors have stiffening ribs for rigidity and provide 13° crosswise shielding.
- Twist-lock reflector thumb screws.
- Continuous rows utilize a simple concealed coupling, FL-3 (optional).

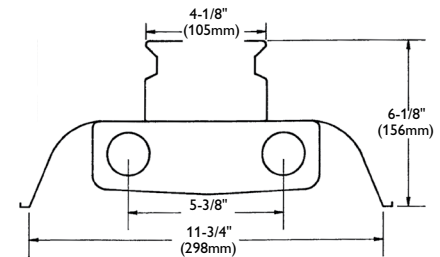
## Electrical

- cULus listed for direct mounting on low density ceilings and damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.
- Spring-loaded lampholders provide positive lamp engagement and electrical contact.

## Dimensions



| DIM "A"    |          |           |
|------------|----------|-----------|
| 4' Channel | (1274mm) | 50-5/32"  |
| 8' Channel | (2548mm) | 100-5/16" |



## Photometry

### 1F 4' 2 Lamp F32T8

Efficiency – 91.7%

LER – 80

TER – 48

|                                                                                                                                                    |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------|------|-------|--------------------|--------|--------|-------------|-------------------|------|------|-------|
| Catalog No.                                                                                                                                        | 1F232-PP-1/2-EB | Candlepower |      |      |       | Light Distribution |        |        |             | Average Luminance |      |      |       |
| Test No.                                                                                                                                           | 42334           | Angle       | End  | 45   | Cross | Degrees            | Lumens | % Lamp | % Luminaire | Angle             | End  | 45'  | Cross |
| S/MH                                                                                                                                               | 1.3             | 0           | 1452 | 1452 | 1452  | 0-30               | 1159   | 20.0   | 21.8        | 45                | 3509 | 3786 | 4200  |
| Lamp Type                                                                                                                                          | F32T8           | 5           | 1452 | 1453 | 1447  | 0-40               | 1930   | 33.3   | 36.3        | 55                | 3423 | 4115 | 3821  |
| Lumens/Lamp                                                                                                                                        | 2900            | 15          | 1407 | 1426 | 1429  | 0-60               | 3567   | 61.5   | 67.0        | 65                | 3256 | 3672 | 3778  |
| Ballast Factor                                                                                                                                     | 0.92            | 25          | 1312 | 1345 | 1360  | 0-90               | 4654   | 80.2   | 87.5        | 75                | 2912 | 3879 | 2567  |
| Input Watts                                                                                                                                        | 61              | 35          | 1178 | 1230 | 1264  | 90-180             | 666    | 11.5   | 12.5        | 85                | 2190 | 2304 | 1849  |
|                                                                                                                                                    |                 | 45          | 1001 | 1080 | 1198  | 0-180              | 5321   | 91.7   | 100.0       |                   |      |      |       |
|                                                                                                                                                    |                 | 55          | 792  | 952  | 884   |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 65          | 555  | 626  | 644   |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 75          | 304  | 405  | 268   |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 85          | 77   | 81   | 65    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 95          | 8    | 21   | 20    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 105         | 59   | 23   | 69    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 115         | 127  | 17   | 21    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 125         | 197  | 43   | 18    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 135         | 265  | 112  | 57    |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 145         | 322  | 188  | 136   |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 155         | 369  | 252  | 220   |                    |        |        |             |                   |      |      |       |
|                                                                                                                                                    |                 | 165         | 399  | 389  | 318   |                    |        |        |             |                   |      |      |       |
| Comparative yearly lighting energy cost per 1000 lumens – \$3.00 based on 3000 hrs. and \$.08 pwr KWH.                                             |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
| The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
| Coefficients of Utilization                                                                                                                        |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)                                                                                               |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
| pcc                                                                                                                                                | 80              |             |      |      | 70    |                    |        |        | 50          |                   |      |      |       |
| pw                                                                                                                                                 | 70              | 50          | 30   |      | 70    | 50                 | 30     |        | 50          | 30                |      |      |       |
| RCR                                                                                                                                                |                 |             |      |      |       |                    |        |        |             |                   |      |      |       |
| 0                                                                                                                                                  | 106             | 106         | 106  |      | 103   | 103                | 103    |        | 95          | 95                |      |      |       |
| 1                                                                                                                                                  | 96              | 92          | 88   |      | 93    | 89                 | 85     |        | 82          | 80                |      |      |       |
| 2                                                                                                                                                  | 88              | 80          | 73   |      | 83    | 77                 | 71     |        | 71          | 67                |      |      |       |
| 3                                                                                                                                                  | 80              | 69          | 61   |      | 76    | 68                 | 60     |        | 63          | 56                |      |      |       |
| 4                                                                                                                                                  | 72              | 61          | 53   |      | 69    | 59                 | 52     |        | 56          | 50                |      |      |       |
| 5                                                                                                                                                  | 67              | 55          | 46   |      | 64    | 53                 | 45     |        | 50          | 42                |      |      |       |
| 6                                                                                                                                                  | 60              | 48          | 40   |      | 58    | 47                 | 40     |        | 45          | 38                |      |      |       |
| 7                                                                                                                                                  | 56              | 44          | 35   |      | 55    | 42                 | 35     |        | 40          | 34                |      |      |       |
| 8                                                                                                                                                  | 53              | 40          | 33   |      | 51    | 39                 | 32     |        | 36          | 30                |      |      |       |
| 9                                                                                                                                                  | 48              | 36          | 28   |      | 46    | 35                 | 28     |        | 34          | 28                |      |      |       |
| 10                                                                                                                                                 | 46              | 34          | 27   |      | 44    | 33                 | 26     |        | 30          | 25                |      |      |       |

# 1F Specification industrial

T8

## 1F 4' 3 Lamp F32T8

Efficiency – 89.4%

LER – 81

TER – 50

|                |                 | Candlepower |      |      |       | Light Distribution                                   |        |        |             | Average Luminance |      |      |       |
|----------------|-----------------|-------------|------|------|-------|------------------------------------------------------|--------|--------|-------------|-------------------|------|------|-------|
| Catalog No.    | 1F332-PP-1/3-EB | Angle       | End  | 45   | Cross | Degrees                                              | Lumens | % Lamp | % Luminaire | Angle             | End  | 45'  | Cross |
| Test No.       | 42335           | 0           | 2242 | 2242 | 2242  | 0-30                                                 | 1787   | 20.5   | 23.0        | 45                | 5332 | 5788 | 6226  |
| S/MH           | 1.3             | 5           | 2242 | 2242 | 2235  | 0-40                                                 | 2970   | 34.1   | 38.2        | 55                | 5147 | 6012 | 5869  |
| Lamp Type      | F32T8           | 15          | 2165 | 2198 | 2207  | 0-60                                                 | 5437   | 62.5   | 69.9        | 65                | 4804 | 5625 | 5690  |
| Lumens/Lamp    | 2900            | 25          | 2012 | 2074 | 2108  | 0-90                                                 | 6931   | 79.7   | 89.1        | 75                | 4119 | 4425 | 2519  |
| Ballast Factor | 0.93            | 35          | 1798 | 1898 | 1945  | 90-180                                               | 850    | 9.8    | 10.9        | 85                | 2475 | 2475 | 2048  |
| Input Watts    | 89              | 45          | 1521 | 1651 | 1776  | 0-180                                                | 7781   | 89.4   | 100.0       |                   |      |      |       |
|                |                 | 55          | 1191 | 1391 | 1358  | Coefficients of Utilization                          |        |        |             |                   |      |      |       |
|                |                 | 65          | 819  | 959  | 970   | EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) |        |        |             |                   |      |      |       |
|                |                 | 75          | 430  | 462  | 263   | pcc                                                  | 80     |        |             | 70                |      |      | 50    |
|                |                 | 85          | 87   | 87   | 72    | pw                                                   | 70     | 50     | 30          | 70                | 50   | 30   | 50 30 |
|                |                 | 95          | 10   | 27   | 23    | RCR                                                  |        |        |             |                   |      |      |       |
|                |                 | 105         | 68   | 84   | 77    | 0                                                    | 104    | 104    | 104         | 101               | 101  | 101  | 93 93 |
|                |                 | 115         | 141  | 65   | 151   | 1                                                    | 94     | 91     | 86          | 92                | 88   | 83   | 81 80 |
|                |                 | 125         | 218  | 57   | 60    | 2                                                    | 85     | 79     | 72          | 82                | 76   | 70   | 71 67 |
|                |                 | 135         | 289  | 133  | 73    | 3                                                    | 78     | 68     | 61          | 75                | 67   | 59   | 63 56 |
|                |                 | 145         | 350  | 215  | 158   | 4                                                    | 71     | 60     | 53          | 68                | 58   | 52   | 56 50 |
|                |                 | 155         | 398  | 283  | 250   | 5                                                    | 66     | 54     | 46          | 63                | 53   | 45   | 50 42 |
|                |                 | 165         | 429  | 419  | 353   | 6                                                    | 60     | 48     | 40          | 57                | 46   | 40   | 45 38 |
|                |                 | 175         | 442  | 439  | 437   | 7                                                    | 56     | 44     | 35          | 54                | 42   | 34   | 40 34 |
|                |                 |             |      |      |       | 8                                                    | 52     | 40     | 32          | 50                | 39   | 32   | 36 30 |
|                |                 |             |      |      |       | 9                                                    | 48     | 36     | 28          | 46                | 35   | 28   | 34 28 |
|                |                 |             |      |      |       | 10                                                   | 45     | 34     | 27          | 44                | 33   | 26   | 30 25 |

Comparative yearly lighting energy cost per 1000 lumens – **\$2.96** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

## 1F 4' 2 Lamp F32T8

Efficiency – 86.3%

LER – 73

TER – 50

|                |                 | Candlepower |      |      |       | Light Distribution                                   |        |        |             | Average Luminance |      |      |       |
|----------------|-----------------|-------------|------|------|-------|------------------------------------------------------|--------|--------|-------------|-------------------|------|------|-------|
| Catalog No.    | 1F232-P2-1/2-EB | Angle       | End  | 45   | Cross | Degrees                                              | Lumens | % Lamp | % Luminaire | Angle             | End  | 45'  | Cross |
| Test No.       | 20269           | 0           | 1170 | 1170 | 1170  | 0-30                                                 | 934    | 16.4   | 19.0        | 45                | 2835 | 3169 | 3450  |
| S/MH           | 1.4             | 5           | 1167 | 1169 | 1165  | 0-40                                                 | 1564   | 27.4   | 31.8        | 55                | 2789 | 3382 | 3209  |
| Lamp Type      | F32T8           | 15          | 1129 | 1141 | 1146  | 0-60                                                 | 2914   | 51.1   | 59.2        | 65                | 2704 | 3109 | 3503  |
| Lumens/Lamp    | 2900            | 25          | 1055 | 1086 | 1106  | 0-90                                                 | 3958   | 69.4   | 80.4        | 75                | 2515 | 3119 | 3541  |
| Ballast Factor | 0.88            | 35          | 947  | 1003 | 1054  | 90-180                                               | 963    | 16.9   | 19.6        | 85                | 2309 | 3420 | 5045  |
| Input Watts    | 59              | 45          | 807  | 902  | 982   | 0-180                                                | 4921   | 86.3   | 100.0       |                   |      |      |       |
|                |                 | 55          | 644  | 781  | 741   | Coefficients of Utilization                          |        |        |             |                   |      |      |       |
|                |                 | 65          | 460  | 529  | 596   | EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) |        |        |             |                   |      |      |       |
|                |                 | 75          | 262  | 325  | 369   | pcc                                                  | 80     |        |             | 70                |      |      | 50    |
|                |                 | 85          | 81   | 120  | 177   | pw                                                   | 70     | 50     | 30          | 70                | 50   | 30   | 50 30 |
|                |                 | 95          | 10   | 82   | 140   | RCR                                                  |        |        |             |                   |      |      |       |
|                |                 | 105         | 62   | 82   | 153   | 0                                                    | 98     | 98     | 98          | 94                | 94   | 94   | 86 86 |
|                |                 | 115         | 139  | 66   | 108   | 1                                                    | 89     | 84     | 81          | 84                | 81   | 78   | 73 71 |
|                |                 | 125         | 220  | 88   | 95    | 2                                                    | 81     | 72     | 67          | 77                | 69   | 65   | 64 59 |
|                |                 | 135         | 296  | 149  | 117   | 3                                                    | 72     | 64     | 56          | 69                | 60   | 55   | 56 51 |
|                |                 | 145         | 368  | 224  | 184   | 4                                                    | 67     | 56     | 48          | 63                | 54   | 46   | 50 44 |
|                |                 | 155         | 426  | 279  | 259   | 5                                                    | 60     | 50     | 41          | 57                | 47   | 40   | 44 38 |
|                |                 | 165         | 466  | 399  | 330   | 6                                                    | 56     | 45     | 36          | 53                | 42   | 35   | 40 34 |
|                |                 | 175         | 487  | 481  | 473   | 7                                                    | 52     | 40     | 33          | 48                | 39   | 32   | 35 29 |
|                |                 |             |      |      |       | 8                                                    | 47     | 36     | 28          | 46                | 34   | 28   | 33 27 |
|                |                 |             |      |      |       | 9                                                    | 45     | 33     | 26          | 42                | 32   | 26   | 29 23 |
|                |                 |             |      |      |       | 10                                                   | 41     | 30     | 23          | 40                | 29   | 23   | 28 22 |

Comparative yearly lighting energy cost per 1000 lumens – **\$3.29** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.



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)

