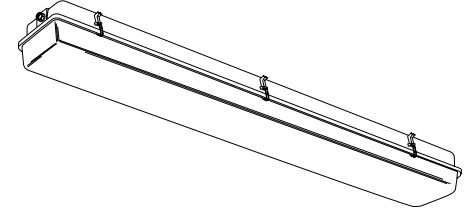


Protected Fluorescent



DW Vaporlume LED  
Wet Location Industrial 4'



Specifier's Reference

|           |
|-----------|
| Project   |
| Type      |
| Model No. |
| Comments  |

application

- Acceptable for outdoor as well as indoor installations.
- Can be surface (wall/ceiling) or suspended mounted unless otherwise specified.
- **Wet Location**-Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or non-flammable liquid.
- Excellent for applications such as garages, stairwells, storage areas, horizontal shelf-mount refrigerated cases, and cold storage.
- **Mounting brackets available, order separately.**
- IP65 rating standard. IP67 configuration available.
- LED sources provide excellent low temperature performance. This product can replace a fluorescent model in cold environments with significant energy savings.
- 2300 lumen model listed for use in 40°C ambient, other models listed for 25°C ambient.
- NSF Certified for Non-Food Zone Installations.

construction/finish

- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White one piece, molded fiberglass reinforced polyester body. No rusting, no oxidation, and no corrosion.
- Lens formed from crepe pattern high impact acrylic sheet of .130" nominal thickness.
- Optional polycarbonate lens will not be yellowed by LED sources because they do not produce UV.
- Continuous compressible closed cell gasket provides tight seal between plastic enclosure and luminaire body.
- ABS cam action latches.
- Two gasketed threaded (1/2" trade size) wet location hubs installed on ends.

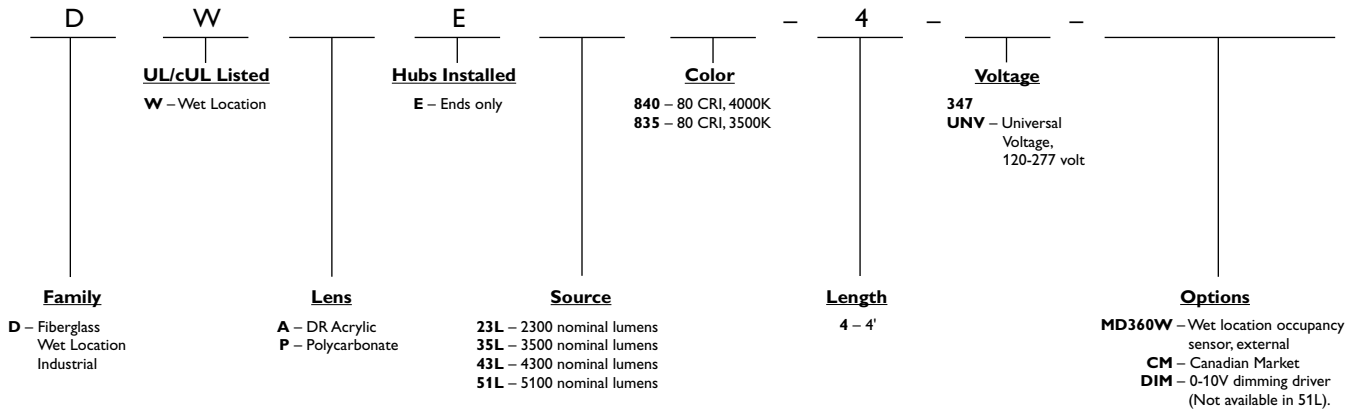
electrical

- Five year luminaire warranty including LED boards and driver.
- High efficiency LEDs have 50,000 hour rated life (L70, defined as 70% lumen maintenance).
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Combinations are available providing as much as 96 delivered lumens per Watt.
- Lumen packages range from 2,300 to 5,100 lumens, providing flexibility to optimize light levels for a specific application.
- LED sources provide full illumination in low temperature applications, unlike fluorescent sources that provide reduced light levels in very cold environments.
- LED sources can be frequently switched with no negative impact on life.
- High CRI source provides excellent color rendering.
- Light output from the luminaire contains no infrared or ultraviolet energy, so the light won't heat or fade the objects being lit.
- Available motion sensor further increases energy savings in areas where occupancy is not continuous.
- ETL listed to UL standards.

accessories

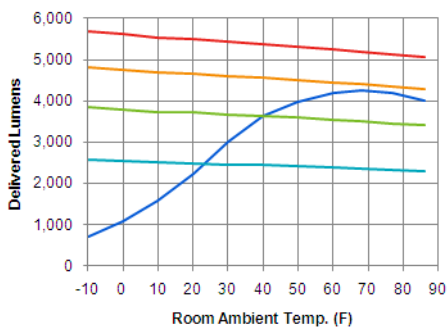
- **TBK** – Stainless Steel Top Bracket Kit (pair of brackets plus hardware)
- **EBK** – Stainless Steel End Bracket Kit (pair of brackets plus hardware)
- **WBK** – Stainless Steel Wraparound Bracket Kit (pair of brackets)
- **FKR-126** – Chain Hanger Set (requires TBK)

Green Choice: DWAE35L840-4-UNV-MD360W

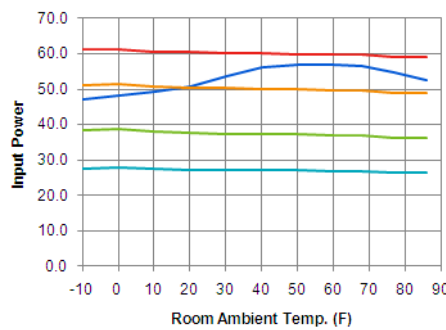


## energy data

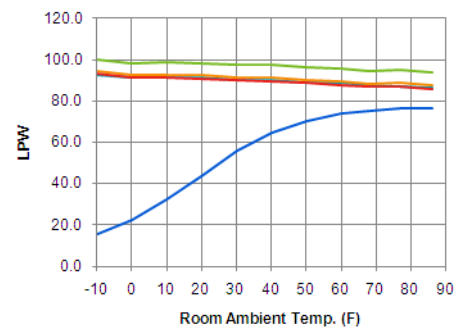
| Model            | Initial Delivered Lumens @ 25°C Ambient | Input Power | Lumens per Watt | Application notes                                                                                                                                                                                          |
|------------------|-----------------------------------------|-------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DWAE23L840-4-UNV | 2,319                                   | 26W         | 89 LPW          | <ul style="list-style-type: none"> <li>Equivalent to 1 lamp F32T8 at room temperature, 15% energy savings.</li> <li>Equivalent to 2 lamp F32T8 in freezer (25°F), 50% energy savings.</li> </ul>           |
| DWAE35L840-4-UNV | 3,461                                   | 36W         | 96 LPW          | <ul style="list-style-type: none"> <li>Slightly less than 2 lamp F32T8 at room temperature, 35% energy savings.</li> <li>Equivalent to 2 lamp F32T8 in refrigerator (40°F), 35% energy savings.</li> </ul> |
| DWAE43L840-4-UNV | 4,346                                   | 49W         | 89 LPW          | <ul style="list-style-type: none"> <li>Equivalent to 2 lamp F32T8 at room temperature, 15% energy savings.</li> <li>Double the output of 2 lamp F32T8 in freezer (25°F) at the SAME energy use.</li> </ul> |
| DWAE51L840-4-UNV | 5,121                                   | 59W         | 87 LPW          | <ul style="list-style-type: none"> <li>Equivalent to high ballast factor 2 lamp F32T8 at room temperature, 15% energy savings.</li> </ul>                                                                  |



— 2-LAMP F32T8 — DWAE23L840 — DWAE35L840  
 — DWAE43L840 — DWAE51L840

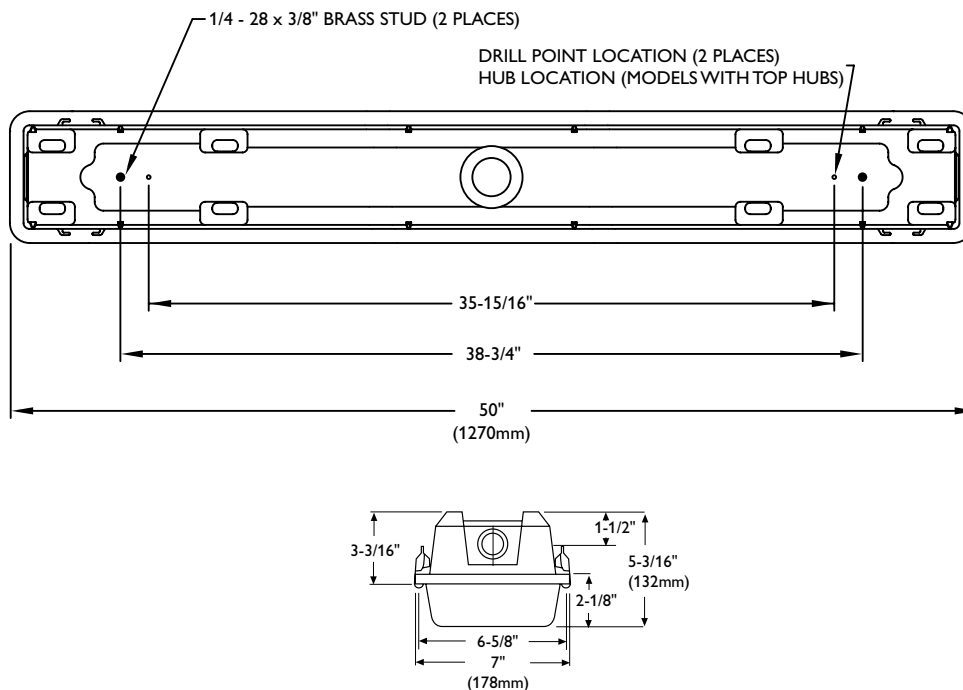


— 2-LAMP F32T8 — DWAE23L840 — DWAE35L840  
 — DWAE43L840 — DWAE51L840



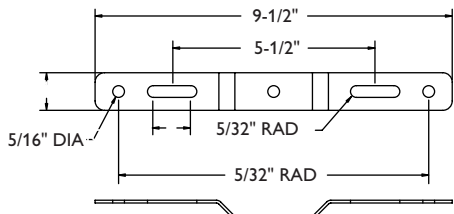
— 2-LAMP F32T8 — DWAE23L840 — DWAE35L840  
 — DWAE43L840 — DWAE51L840

## dimensions

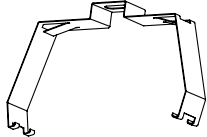


## mounting brackets

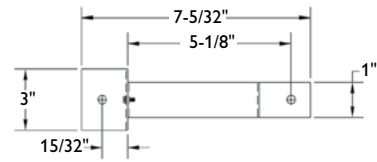
**TBK - Top Mounting Bracket**



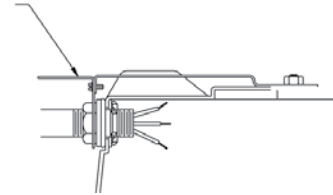
**WBK - Wraparound Mounting Bracket**



**EBK - End Mounting Bracket**



**EBK - End Mounting Bracket**



## photometry

### 4' LED Vaporlume

**Delivered Lumens – 2319**

**LER – 88**

| Catalog No.                                                                                                   | Test No. | S/MH | Source | Input Watts | Candlepower |     |     |       | Light Distribution |        |             | Average Luminance |      |      |       |  |
|---------------------------------------------------------------------------------------------------------------|----------|------|--------|-------------|-------------|-----|-----|-------|--------------------|--------|-------------|-------------------|------|------|-------|--|
|                                                                                                               |          |      |        |             | Angle       | End | 45° | Cross | Degrees            | Lumens | % Luminaire | Angle             | End  | 45°  | Cross |  |
| DWAE23L840-4                                                                                                  | LTL23325 | 1.2  | LED    | 26          | 0           | 803 | 803 | 803   | 0-30               | 628    | 27.0        | 45                | 4192 | 3318 | 3082  |  |
|                                                                                                               |          |      |        |             | 5           | 801 | 803 | 803   | 0-40               | 1024   | 44.1        | 55                | 3727 | 2790 | 2782  |  |
|                                                                                                               |          |      |        |             | 15          | 775 | 771 | 784   | 0-60               | 1781   | 76.7        | 65                | 3038 | 2501 | 2315  |  |
|                                                                                                               |          |      |        |             | 25          | 724 | 726 | 718   | 0-90               | 2279   | 98.1        | 75                | 2287 | 1784 | 1563  |  |
|                                                                                                               |          |      |        |             | 35          | 647 | 630 | 627   | 0-180              | 2319   | 100.0       | 85                | 1199 | 788  | 625   |  |
|                                                                                                               |          |      |        |             | 45          | 531 | 519 | 512   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 55          | 389 | 388 | 417   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 65          | 240 | 294 | 300   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 75          | 118 | 165 | 164   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 85          | 26  | 51  | 48    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 95          | 9   | 15  | 13    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 105         | 6   | 13  | 10    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 115         | 2   | 12  | 8     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 125         | 0   | 9   | 9     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 135         | 0   | 4   | 8     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 145         | 0   | 0   | 3     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 155         | 0   | 0   | 0     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 165         | 0   | 0   | 0     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 175         | 0   | 0   | 0     |                    |        |             |                   |      |      |       |  |
| Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.73</b> based on 3000 hrs. and \$.08 pwr KWH. |          |      |        |             |             |     |     |       |                    |        |             |                   |      |      |       |  |
| Photometric values based upon tests performed in compliance with LM-79.                                       |          |      |        |             |             |     |     |       |                    |        |             |                   |      |      |       |  |

### 4' LED Vaporlume

**Delivered Lumens – 3461**

**LER – 96**

| Catalog No.                                                                                                   | Test No. | S/MH | Source | Input Watts | Candlepower |      |      |       | Light Distribution |        |             | Average Luminance |      |      |       |  |
|---------------------------------------------------------------------------------------------------------------|----------|------|--------|-------------|-------------|------|------|-------|--------------------|--------|-------------|-------------------|------|------|-------|--|
|                                                                                                               |          |      |        |             | Angle       | End  | 45°  | Cross | Degrees            | Lumens | % Luminaire | Angle             | End  | 45°  | Cross |  |
| DWAE35L840-4                                                                                                  | LTL23329 | 1.2  | LED    | 36          | 0           | 1201 | 1201 | 1201  | 0-30               | 929    | 26.8        | 45                | 6298 | 4918 | 4752  |  |
|                                                                                                               |          |      |        |             | 5           | 1191 | 1190 | 1184  | 0-40               | 1520   | 43.9        | 55                | 5635 | 4220 | 4130  |  |
|                                                                                                               |          |      |        |             | 15          | 1153 | 1153 | 1149  | 0-60               | 2651   | 76.5        | 65                | 4608 | 3639 | 3559  |  |
|                                                                                                               |          |      |        |             | 25          | 1081 | 1067 | 1050  | 0-90               | 3393   | 98.0        | 75                | 3422 | 2832 | 2418  |  |
|                                                                                                               |          |      |        |             | 35          | 963  | 926  | 933   | 0-180              | 3461   | 100.0       | 85                | 1799 | 1231 | 942   |  |
|                                                                                                               |          |      |        |             | 45          | 798  | 770  | 789   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 55          | 589  | 587  | 620   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 65          | 365  | 427  | 461   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 75          | 176  | 261  | 254   |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 85          | 40   | 79   | 73    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 95          | 14   | 25   | 22    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 105         | 10   | 24   | 17    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 115         | 3    | 20   | 15    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 125         | 0    | 11   | 14    |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 135         | 0    | 4    | 9     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 145         | 0    | 0    | 3     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 155         | 0    | 0    | 0     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 165         | 0    | 0    | 0     |                    |        |             |                   |      |      |       |  |
|                                                                                                               |          |      |        |             | 175         | 0    | 0    | 0     |                    |        |             |                   |      |      |       |  |
| Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.50</b> based on 3000 hrs. and \$.08 pwr KWH. |          |      |        |             |             |      |      |       |                    |        |             |                   |      |      |       |  |
| Photometric values based upon tests performed in compliance with LM-79.                                       |          |      |        |             |             |      |      |       |                    |        |             |                   |      |      |       |  |

photometry

4' LED Vaporlume

Delivered Lumens – 4346

LER – 89

|                                                                                                               |              |                    |            |           |              |                           |               |                    |                          |            |            |              |
|---------------------------------------------------------------------------------------------------------------|--------------|--------------------|------------|-----------|--------------|---------------------------|---------------|--------------------|--------------------------|------------|------------|--------------|
| <b>Catalog No.</b>                                                                                            | DWAE43L840-4 | <b>Candlepower</b> |            |           |              | <b>Light Distribution</b> |               |                    | <b>Average Luminance</b> |            |            |              |
|                                                                                                               |              | <b>Angle</b>       | <b>End</b> | <b>45</b> | <b>Cross</b> | <b>Degrees</b>            | <b>Lumens</b> | <b>% Luminaire</b> | <b>Angle</b>             | <b>End</b> | <b>45°</b> | <b>Cross</b> |
| <b>Test No.</b>                                                                                               | LTL23327     | 0                  | 1515       | 1515      | 1515         | 0-30                      | 1167          | 26.8               | 45                       | 7944       | 6183       | 5985         |
| <b>S/MH</b>                                                                                                   | 1.2          | 5                  | 1499       | 1496      | 1491         | 0-40                      | 1909          | 43.9               | 55                       | 7104       | 5344       | 5277         |
| <b>Source</b>                                                                                                 | LED          | 15                 | 1451       | 1444      | 1450         | 0-60                      | 3336          | 76.7               | 65                       | 5811       | 4617       | 4468         |
| <b>Input Watts</b>                                                                                            | 49           | 25                 | 1359       | 1339      | 1316         | 0-90                      | 4266          | 98.1               | 75                       | 4282       | 3542       | 2983         |
|                                                                                                               |              | 35                 | 1211       | 1165      | 1177         | 0-180                     | 4346          | 100.0              | 85                       | 2216       | 1470       | 1084         |
|                                                                                                               |              | 45                 | 1006       | 968       | 993          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 55                 | 742        | 743       | 792          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 65                 | 460        | 542       | 579          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 75                 | 220        | 327       | 314          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 85                 | 49         | 94        | 84           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 95                 | 18         | 29        | 24           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 105                | 13         | 28        | 20           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 115                | 4          | 23        | 18           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 125                | 0          | 13        | 16           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 135                | 0          | 4         | 11           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 145                | 0          | 0         | 4            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 155                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 165                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 175                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
| Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.70</b> based on 3000 hrs. and \$.08 pwr KWH. |              |                    |            |           |              |                           |               |                    |                          |            |            |              |
| Photometric values based upon tests performed in compliance with LM-79.                                       |              |                    |            |           |              |                           |               |                    |                          |            |            |              |

4' LED Vaporlume

Delivered Lumens – 5121

LER – 87

|                                                                                                               |              |                    |            |           |              |                           |               |                    |                          |            |            |              |
|---------------------------------------------------------------------------------------------------------------|--------------|--------------------|------------|-----------|--------------|---------------------------|---------------|--------------------|--------------------------|------------|------------|--------------|
| <b>Catalog No.</b>                                                                                            | DWAE51L840-4 | <b>Candlepower</b> |            |           |              | <b>Light Distribution</b> |               |                    | <b>Average Luminance</b> |            |            |              |
|                                                                                                               |              | <b>Angle</b>       | <b>End</b> | <b>45</b> | <b>Cross</b> | <b>Degrees</b>            | <b>Lumens</b> | <b>% Luminaire</b> | <b>Angle</b>             | <b>End</b> | <b>45°</b> | <b>Cross</b> |
| <b>Test No.</b>                                                                                               | LTL23331     | 0                  | 1785       | 1785      | 1785         | 0-30                      | 1375          | 26.8               | 45                       | 9310       | 7277       | 7038         |
| <b>S/MH</b>                                                                                                   | 1.2          | 5                  | 1754       | 1757      | 1753         | 0-40                      | 2249          | 43.9               | 55                       | 8317       | 6239       | 6147         |
| <b>Source</b>                                                                                                 | LED          | 15                 | 1708       | 1701      | 1704         | 0-60                      | 3923          | 76.5               | 65                       | 6820       | 5389       | 5252         |
| <b>Input Watts</b>                                                                                            | 59           | 25                 | 1601       | 1581      | 1554         | 0-90                      | 5021          | 98.0               | 75                       | 5047       | 4186       | 3572         |
|                                                                                                               |              | 35                 | 1426       | 1372      | 1383         | 0-180                     | 5121          | 100.0              | 85                       | 2660       | 1816       | 1389         |
|                                                                                                               |              | 45                 | 1179       | 1139      | 1168         |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 55                 | 869        | 868       | 922          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 65                 | 540        | 633       | 680          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 75                 | 259        | 386       | 375          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 85                 | 59         | 117       | 108          |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 95                 | 21         | 37        | 32           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 105                | 15         | 35        | 25           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 115                | 5          | 29        | 23           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 125                | 0          | 17        | 21           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 135                | 0          | 6         | 14           |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 145                | 0          | 0         | 4            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 155                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 165                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
|                                                                                                               |              | 175                | 0          | 0         | 0            |                           |               |                    |                          |            |            |              |
| Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.76</b> based on 3000 hrs. and \$.08 pwr KWH. |              |                    |            |           |              |                           |               |                    |                          |            |            |              |
| Photometric values based upon tests performed in compliance with LM-79.                                       |              |                    |            |           |              |                           |               |                    |                          |            |            |              |



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Contact Factory for Additional Configurations.  
Specifications are subject to change without notice.