



## AREA / GARAGE LIGHTING

HMI SERIES / DLC LISTED



### HMI1513LEDOS

#### APPLICATION

LED area light designed for parking garages.

#### FEATURES

All LED modules and drivers are replaceable and up-gradeable. Variety of mounting systems for retrofitting. Multi-circuit LED boards for optimal control and backup.

#### FINISH

Variety of powdercoat finishes available.

#### ELECTRONICS

0-10V dimming with control and circuitry options.

#### CONSTRUCTION

Aluminum housing with gasketed polycarbonate lens.

#### CODE COMPLIANCE

Manufactured and tested to UL Standards No. 1598/8750. Refer to designlights.org/search/ for most up-to-date list.

#### RATED LIFE

Tested in accordance to LM79-2008 and derived from EPA TM-21 calculator.

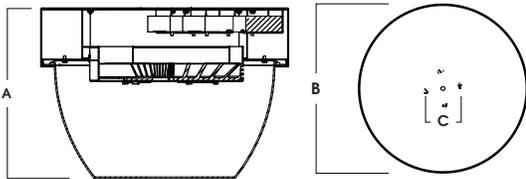
Reported hours per TM-21/LM80 6x's limitation.

#### DLC LISTING

HMI1513LEDOS78W40KEX

L70: >60,000 hours

L90: >60,000 hours



| A        | B        | C       |
|----------|----------|---------|
| 13.0     | 17.0     | 3.5     |
| 330.2 mm | 431.8 mm | 88.9 mm |

Fixture Weight: 15.0 lbs

| HMI1513LED - E1 |             |              |                  |                  |
|-----------------|-------------|--------------|------------------|------------------|
| LED SYSTEM      | KELVIN TEMP | SYSTEM WATTS | DELIVERED LUMENS | LUMENS/WATT DEL. |
| OS78W           | 40K         | 77           | 7,512            | 97               |

| SERIES       | LED <sup>1</sup> | CCT       | DRIVER / VOLTAGE <sup>1</sup>    | OPTIONS <sup>2</sup> | MOUNTING        | FINISH <sup>6</sup>  |
|--------------|------------------|-----------|----------------------------------|----------------------|-----------------|--|
| HMI1513LEDOS | 78W              | 40K 4000K | E_ Electronic<br>DS10_ 10% 0-10V | 1 120V<br>2 277V     | WL Wet Location | <b>BM<sup>3</sup></b> Hang Straight<br><b>PM<sup>3</sup></b> Rigid Pendant Mount<br><b>SM</b> Surface Mount<br><b>NM3/8</b> 3/8" Hub<br><b>NM2<sup>4/5</sup></b> 1/2" Hub<br><b>NM3<sup>4/5</sup></b> 3/4" Hub<br><b>QMP</b> Quick Mount Plate<br><b>TBK</b> Trunion Mounting<br><b>HCP</b> Hook Cord and Plug<br><b>BZ</b> Bronze<br><b>GW</b> Gloss White<br><b>GB</b> Gloss Black<br><b>TB</b> Textured Black<br><b>TW</b> Textured White<br><b>CC</b> Custom Color |

**EXAMPLE:** HMI1513LEDOS78W40KE1/HM36/BZ

**NOTES:**  
 1 Contact Factory for Additional Options 2 See Product Options Page for Details 3 Specify Length in Inches; See Mounting Page for Available Lengths 4 Mounting Supplied by Others 5 12" Leads Unless Specified  
 6 See Color Page for More Options/Consult Factory for Special Finishes



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



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

# AREA / GARAGE LIGHTING

## HMI SERIES / PHOTOMETRIC DATA



HMI1513LEDOS78W40K

### Intensity (Candlepower) Summary at 25°C - Candelas

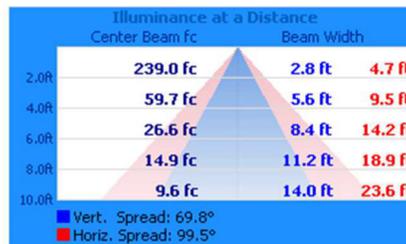
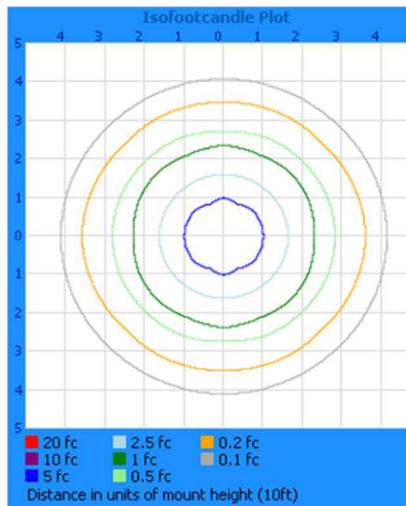
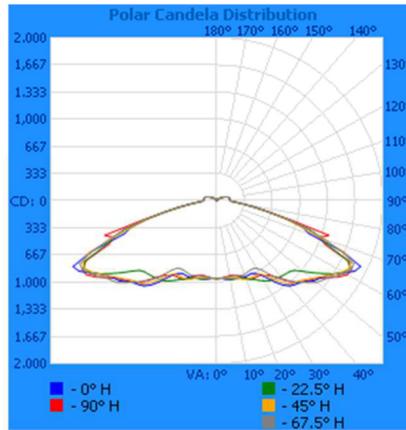
| Angle | 0    | 22.5 | 45   | 67.5 | 90   |
|-------|------|------|------|------|------|
| 0     | 956  | 956  | 956  | 956  | 956  |
| 5     | 960  | 956  | 951  | 948  | 947  |
| 10    | 979  | 974  | 960  | 944  | 933  |
| 15    | 980  | 988  | 981  | 952  | 954  |
| 20    | 996  | 1012 | 1030 | 964  | 1019 |
| 25    | 986  | 1070 | 1026 | 943  | 1051 |
| 30    | 1049 | 1139 | 1038 | 958  | 1057 |
| 35    | 1219 | 1182 | 1171 | 1100 | 1122 |
| 40    | 1365 | 1211 | 1330 | 1279 | 1266 |
| 45    | 1423 | 1235 | 1396 | 1410 | 1417 |
| 50    | 1529 | 1347 | 1489 | 1565 | 1501 |
| 55    | 1609 | 1558 | 1608 | 1647 | 1644 |
| 60    | 1768 | 1756 | 1749 | 1781 | 1817 |
| 65    | 1913 | 1760 | 1788 | 1823 | 1740 |
| 70    | 1184 | 1317 | 1330 | 1380 | 1322 |
| 75    | 863  | 870  | 867  | 915  | 950  |
| 80    | 485  | 453  | 464  | 466  | 447  |
| 85    | 250  | 236  | 242  | 241  | 230  |
| 90    | 164  | 162  | 164  | 163  | 161  |
| 95    | 155  | 153  | 155  | 153  | 151  |
| 100   | 154  | 152  | 153  | 152  | 150  |
| 105   | 152  | 152  | 152  | 152  | 150  |
| 110   | 134  | 132  | 133  | 136  | 133  |
| 115   | 111  | 108  | 110  | 112  | 109  |
| 120   | 88   | 84   | 87   | 89   | 86   |
| 125   | 68   | 65   | 68   | 69   | 68   |
| 130   | 54   | 50   | 54   | 53   | 51   |
| 135   | 41   | 38   | 39   | 37   | 38   |
| 140   | 27   | 25   | 26   | 25   | 26   |
| 145   | 15   | 14   | 13   | 13   | 15   |
| 150   | 5    | 5    | 5    | 5    | 6    |
| 155   | 0    | 0    | 0    | 0    | 1    |
| 160   | 1    | 0    | 0    | 0    | 1    |
| 165   | 1    | 0    | 0    | 1    | 0    |
| 170   | 1    | 1    | 1    | 1    | 1    |
| 175   | 1    | 1    | 1    | 1    | 1    |
| 180   | 1    | 1    | 1    | 1    | 1    |

### Zonal Lumens and Percentages at 25°C

| Zone    | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-10    | 91.2   | 1.2         |
| 10-20   | 277.4  | 3.7         |
| 20-30   | 472.1  | 6.3         |
| 30-40   | 731.8  | 9.7         |
| 40-50   | 1065   | 14.1        |
| 50-60   | 1454   | 19.3        |
| 60-70   | 1670   | 22.2        |
| 70-80   | 942.2  | 12.5        |
| 80-90   | 290.1  | 3.9         |
| 90-100  | 169.1  | 2.2         |
| 100-110 | 156.6  | 2.1         |
| 110-120 | 109.6  | 1.5         |
| 120-130 | 61.5   | 0.8         |
| 130-140 | 30.1   | 0.4         |
| 140-150 | 9.4    | 0.1         |
| 150-160 | 0.7    | 0.0         |
| 160-170 | 0.2    | 0.0         |
| 170-180 | 0.1    | 0.0         |

### Zonal Lumen Summary and Percentages at 25°C

| Zone   | Lumens | % Luminaire |
|--------|--------|-------------|
| 0-30   | 840.7  | 11.2        |
| 0-40   | 1572   | 20.9        |
| 0-60   | 4091   | 54.3        |
| 60-90  | 2902   | 38.5        |
| 0-90   | 6994   | 92.9        |
| 90-180 | 537.3  | 7.1         |
| 0-180  | 7531   | 100.0       |



SPACING RATIO (0-180): 2.10  
 SPACING RATIO (90-270): 2.10  
 SPACING RATIO (DIAGONAL): 2.34