

LCT - VLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (LCT-VLED)

| LCT-VLED | | | | | | | | | | | | | | | | | | | |
|-----------|--------------------|--------------|-------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|-----|------------|
| LED Count | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) | | | 30K (3000K - 70CRI) | | | 40K (4000K - 70CRI) | | | 50K (5000K - 70CRI) | | | System Watts | TRA (590nm) | | |
| | | | | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | | LUMENS | LPW | BUG RATING |
| 48 | 350 | 52.0 | II | 4055 | 78 | B1-U0-G2 | 4378 | 84 | B1-U0-G2 | 4608 | 89 | B1-U0-G2 | 4838 | 93 | B1-U0-G2 | 40.0 | 1383 | 35 | B1-U0-G1 |
| | | | III | 4043 | 78 | B1-U0-G2 | 4365 | 84 | B1-U0-G2 | 4594 | 88 | B1-U0-G2 | 4824 | 93 | B1-U0-G2 | | 1379 | 34 | B0-U0-G1 |
| | | | IV | 3745 | 72 | B1-U0-G1 | 4043 | 78 | B1-U0-G2 | 4256 | 82 | B1-U0-G2 | 4469 | 86 | B1-U0-G2 | | 1277 | 32 | B0-U0-G0 |
| | | | VSQ | 4348 | 84 | B3-U0-G1 | 4694 | 90 | B3-U0-G1 | 4941 | 95 | B3-U0-G1 | 5188 | 100 | B3-U0-G1 | | 1483 | 37 | B1-U0-G0 |
| | | | II-HS | 2981 | 57 | B1-U0-G1 | 3219 | 62 | B1-U0-G1 | 3388 | 65 | B1-U0-G1 | 3557 | 68 | B1-U0-G1 | | 1017 | 25 | B0-U0-G0 |
| | | | III-HS | 3245 | 62 | B1-U0-G1 | 3503 | 67 | B1-U0-G1 | 3687 | 71 | B1-U0-G2 | 3871 | 74 | B1-U0-G2 | | 1107 | 28 | B0-U0-G1 |
| | | | IV-HS | 3105 | 60 | B1-U0-G1 | 3352 | 64 | B1-U0-G1 | 3528 | 68 | B1-U0-G1 | 3705 | 71 | B1-U0-G2 | | 1059 | 26 | B0-U0-G0 |
| | | | | | | | | | | | | | | | | | | | |
| 48 | 525 | 75.0 | II | 5551 | 74 | B1-U0-G2 | 5993 | 80 | B1-U0-G2 | 6308 | 84 | B2-U0-G2 | 6623 | 88 | B2-U0-G2 | 57.8 | 1577 | 27 | B1-U0-G1 |
| | | | III | 5535 | 74 | B1-U0-G2 | 5975 | 80 | B1-U0-G2 | 6289 | 84 | B1-U0-G2 | 6604 | 88 | B1-U0-G2 | | 1572 | 27 | B0-U0-G1 |
| | | | IV | 5127 | 68 | B1-U0-G2 | 5535 | 74 | B1-U0-G2 | 5826 | 78 | B1-U0-G2 | 6118 | 82 | B1-U0-G2 | | 1456 | 25 | B0-U0-G1 |
| | | | VSQ | 5953 | 79 | B3-U0-G1 | 6426 | 86 | B3-U0-G1 | 6764 | 90 | B3-U0-G1 | 7103 | 95 | B3-U0-G1 | | 1691 | 29 | B1-U0-G0 |
| | | | II-HS | 4082 | 54 | B1-U0-G2 | 4406 | 59 | B1-U0-G2 | 4638 | 62 | B1-U0-G2 | 4870 | 65 | B1-U0-G2 | | 1160 | 20 | B0-U0-G0 |
| | | | III-HS | 4442 | 59 | B1-U0-G2 | 4795 | 64 | B1-U0-G2 | 5047 | 67 | B1-U0-G2 | 5299 | 71 | B1-U0-G2 | | 1262 | 22 | B0-U0-G1 |
| | | | IV-HS | 4251 | 57 | B1-U0-G2 | 4589 | 61 | B1-U0-G2 | 4831 | 64 | B1-U0-G2 | 5072 | 68 | B1-U0-G2 | | 1208 | 21 | B0-U0-G0 |
| | | | | | | | | | | | | | | | | | | | |
| 64 | 350 | 71.0 | II | 5319 | 75 | B1-U0-G2 | 5742 | 81 | B1-U0-G2 | 6044 | 85 | B2-U0-G2 | 6346 | 89 | B2-U0-G2 | 54.7 | 1813 | 33 | B1-U0-G1 |
| | | | III | 5303 | 75 | B1-U0-G2 | 5725 | 81 | B1-U0-G2 | 6026 | 85 | B1-U0-G2 | 6328 | 89 | B1-U0-G2 | | 1808 | 33 | B0-U0-G1 |
| | | | IV | 4913 | 69 | B1-U0-G2 | 5303 | 75 | B1-U0-G2 | 5582 | 79 | B1-U0-G2 | 5861 | 83 | B1-U0-G2 | | 1675 | 31 | B0-U0-G1 |
| | | | VSQ | 5704 | 80 | B3-U0-G1 | 6157 | 87 | B3-U0-G1 | 6481 | 91 | B3-U0-G1 | 6805 | 96 | B3-U0-G1 | | 1945 | 36 | B1-U0-G0 |
| | | | II-HS | 3911 | 55 | B1-U0-G2 | 4222 | 59 | B1-U0-G2 | 4444 | 63 | B1-U0-G2 | 4666 | 66 | B1-U0-G2 | | 1333 | 24 | B0-U0-G0 |
| | | | III-HS | 4256 | 60 | B1-U0-G2 | 4594 | 65 | B1-U0-G2 | 4836 | 68 | B1-U0-G2 | 5078 | 72 | B1-U0-G2 | | 1451 | 27 | B0-U0-G1 |
| | | | IV-HS | 4074 | 57 | B1-U0-G2 | 4397 | 62 | B1-U0-G2 | 4628 | 65 | B1-U0-G2 | 4860 | 68 | B1-U0-G2 | | 1389 | 25 | B0-U0-G1 |
| | | | | | | | | | | | | | | | | | | | |
| 64 | 525 | 103.0 | II | 7281 | 71 | B2-U0-G2 | 7861 | 76 | B2-U0-G2 | 8274 | 80 | B2-U0-G2 | 8688 | 84 | B2-U0-G2 | 79.3 | 2069 | 26 | B1-U0-G1 |
| | | | III | 7260 | 70 | B1-U0-G2 | 7838 | 76 | B1-U0-G2 | 8250 | 80 | B1-U0-G2 | 8662 | 84 | B1-U0-G2 | | 2063 | 26 | B1-U0-G1 |
| | | | IV | 6725 | 65 | B1-U0-G2 | 7260 | 70 | B1-U0-G2 | 7642 | 74 | B1-U0-G2 | 8024 | 78 | B1-U0-G2 | | 1911 | 24 | B0-U0-G1 |
| | | | VSQ | 7809 | 76 | B3-U0-G2 | 8430 | 82 | B3-U0-G2 | 8873 | 86 | B3-U0-G2 | 9317 | 90 | B3-U0-G2 | | 2218 | 28 | B2-U0-G0 |
| | | | II-HS | 5354 | 52 | B1-U0-G2 | 5779 | 56 | B1-U0-G2 | 6083 | 59 | B1-U0-G2 | 6388 | 62 | B1-U0-G2 | | 1521 | 19 | B1-U0-G1 |
| | | | III-HS | 5826 | 57 | B1-U0-G2 | 6290 | 61 | B1-U0-G2 | 6620 | 64 | B1-U0-G2 | 6951 | 67 | B1-U0-G2 | | 1655 | 21 | B0-U0-G1 |
| | | | IV-HS | 5576 | 54 | B1-U0-G2 | 6020 | 58 | B1-U0-G2 | 6336 | 62 | B1-U0-G2 | 6653 | 65 | B1-U0-G2 | | 1584 | 20 | B0-U0-G1 |
| | | | | | | | | | | | | | | | | | | | |

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

| LED Life / Operating Hours | Lumen Depreciation | Lumen Depreciation Scale Factor |
|-----------------------------------|--------------------|---------------------------------|
| 60,000 (10x Test Time Calculated) | L94 | 0.94x |
| 100,000 (Theoretical Calculated) | L92 | 0.92x |
| 150,000 (Theoretical Calculated) | L89 | 0.89x |

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
TM-21 6x Test Time Dictates that L94 > 60,000 Hours.