| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|
| | | | |

| MODEL/ SIZE | INTERIOR/ EXTERIOR | LENGTH | POWER | CCT | | CRI | VOLTAGE | OPTICS | | |
|---|---|---|---|---|---|---|---|---|---|---|
| L50 | | | | | | | MULT | | | |
| L50 | I<br>E | 12″<br>48″ | 02<br>04<br>06<br>08<br>10<br>12 | **WHITE CCT**<br>22<br>27<br>30<br>35<br>40<br>50 | **MONO COLOR**<br>GR****<br>BL<br>AM<br>RD*** | 80<br>90*<br>Blank For Color | MULT<br>(120-277V) | **GRAZING**<br>9 x 9<br>9 x 17<br>9 x 29<br>9 x 59<br>15 x 15<br>15 x 23<br>15 x 35<br>15 x 65<br>**COVE**<br>120**<br>Asym | **LINE OF LIGHT**<br>LOL<br>**WASHING**<br>25 x 25<br>25 x 33<br>25 x 45<br>25 x 75<br>39 x 9<br>55 x 25<br>40 x40<br>40 x 48 | 40 x 60<br>40 x 90<br>45 x 15<br>70 x 40<br>70 x 70 |

**EXAMPLE**: L50-I-48-10-27-90-MULT-15x65 *90 CRi not available in 2200K or 5000K **120 is only available with Exterior option. See L35 spec sheet for interior cove options. ***Red is not available in 12W or 10W. ****Green is not available in 12W.

## PHOTOMETRY CHARACTERISTICS

Photometric testing done by an independent lab in accordance with current IES published Procedures. Lumen measurements comply with IES LM-79 - 08.
Some IES files are generated by multiplying tested IES files with a calculated lumen values. IES data is available at www.ecosenselighting.com

# 80CRI

| L50 2W | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 127 | 123 | 126 | 111 | 122 | 111 | 111 | 108 | 106 | 109 | 116 | 111 | 114 | 107 | 112 | 111 | 113 | 112 | 107 | 113 | 125 | 88 | 67 | 99 |
| Efficacy | 64 | 62 | 63 | 55 | 61 | 55 | 55 | 54 | 53 | 55 | 58 | 55 | 57 | 53 | 56 | 55 | 57 | 56 | 53 | 57 | 62 | 44 | 34 | 50 |
| CBCP | 2420 | 1158 | 708 | 278 | 598 | 421 | 335 | 232 | 117 | 203 | 251 | 224 | 191 | 97 | 162 | 124 | 118 | 110 | 68 | 110 | 60 | 29 | 23 | 82 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 149 | 144 | 147 | 130 | 143 | 130 | 130 | 127 | 124 | 128 | 135 | 130 | 134 | 125 | 131 | 130 | 133 | 131 | 125 | 133 | 146 | 103 | 79 | 116 |
| Efficacy | 74 | 72 | 74 | 65 | 71 | 65 | 65 | 63 | 62 | 64 | 68 | 65 | 67 | 63 | 66 | 65 | 66 | 66 | 63 | 66 | 73 | 51 | 39 | 58 |
| CBCP | 2833 | 1356 | 829 | 325 | 700 | 493 | 393 | 272 | 137 | 238 | 294 | 262 | 224 | 113 | 189 | 145 | 138 | 129 | 80 | 129 | 71 | 34 | 27 | 96 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 155 | 150 | 154 | 135 | 149 | 135 | 135 | 132 | 129 | 133 | 141 | 135 | 140 | 130 | 136 | 135 | 138 | 136 | 130 | 138 | 152 | 107 | 82 | 121 |
| Efficacy | 78 | 75 | 77 | 67 | 74 | 67 | 67 | 66 | 64 | 67 | 71 | 67 | 70 | 65 | 68 | 67 | 69 | 68 | 65 | 69 | 76 | 54 | 41 | 60 |
| CBCP | 2951 | 1413 | 864 | 339 | 729 | 513 | 409 | 283 | 143 | 248 | 306 | 273 | 233 | 118 | 197 | 151 | 144 | 134 | 83 | 134 | 74 | 36 | 28 | 100 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 161 | 156 | 160 | 140 | 155 | 140 | 140 | 137 | 134 | 139 | 147 | 140 | 145 | 135 | 142 | 140 | 144 | 142 | 135 | 144 | 158 | 111 | 85 | 126 |
| Efficacy | 81 | 78 | 80 | 70 | 77 | 70 | 70 | 69 | 67 | 69 | 73 | 70 | 73 | 68 | 71 | 70 | 72 | 71 | 68 | 72 | 79 | 56 | 43 | 63 |
| CBCP | 3069 | 1469 | 899 | 352 | 758 | 534 | 425 | 295 | 149 | 257 | 318 | 284 | 243 | 123 | 205 | 157 | 149 | 139 | 87 | 140 | 77 | 37 | 29 | 104 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 160 | 155 | 158 | 139 | 153 | 139 | 139 | 136 | 133 | 137 | 145 | 139 | 144 | 134 | 141 | 139 | 142 | 141 | 134 | 142 | 157 | 110 | 85 | 125 |
| Efficacy | 80 | 77 | 79 | 69 | 77 | 69 | 69 | 68 | 66 | 69 | 73 | 69 | 72 | 67 | 70 | 69 | 71 | 70 | 67 | 71 | 78 | 55 | 42 | 62 |
| CBCP | 3039 | 1455 | 890 | 349 | 751 | 529 | 421 | 292 | 147 | 255 | 315 | 282 | 240 | 122 | 203 | 156 | 148 | 138 | 86 | 138 | 76 | 37 | 28 | 103 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 138 | 134 | 137 | 120 | 133 | 120 | 120 | 117 | 115 | 119 | 126 | 120 | 124 | 116 | 121 | 120 | 123 | 121 | 116 | 123 | 135 | 95 | 73 | 108 |
| Efficacy | 69 | 67 | 68 | 60 | 66 | 60 | 60 | 59 | 57 | 59 | 63 | 60 | 62 | 58 | 61 | 60 | 61 | 61 | 58 | 61 | 68 | 48 | 37 | 54 |
| CBCP | 2626 | 1257 | 769 | 301 | 649 | 457 | 364 | 252 | 127 | 220 | 272 | 243 | 208 | 105 | 176 | 134 | 128 | 119 | 74 | 119 | 66 | 32 | 25 | 89 |

| L50 4W | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 313 | 304 | 310 | 272 | 301 | 272 | 272 | 266 | 260 | 269 | 285 | 272 | 282 | 263 | 275 | 272 | 279 | 275 | 263 | 279 | 307 | 216 | 166 | 244 |
| Efficacy | 78 | 76 | 77 | 68 | 75 | 68 | 68 | 67 | 65 | 67 | 71 | 68 | 70 | 66 | 69 | 68 | 70 | 69 | 66 | 70 | 77 | 54 | 41 | 61 |
| CBCP | 5956 | 2852 | 1744 | 683 | 1472 | 1036 | 825 | 572 | 289 | 500 | 617 | 552 | 471 | 238 | 398 | 305 | 290 | 271 | 168 | 271 | 149 | 72 | 56 | 201 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 366 | 355 | 363 | 319 | 352 | 319 | 319 | 312 | 304 | 315 | 334 | 319 | 330 | 308 | 323 | 319 | 326 | 323 | 308 | 326 | 359 | 253 | 194 | 286 |
| Efficacy | 92 | 89 | 91 | 80 | 88 | 80 | 80 | 78 | 76 | 79 | 83 | 80 | 82 | 77 | 81 | 80 | 82 | 81 | 77 | 82 | 90 | 63 | 49 | 71 |
| CBCP | 6973 | 3338 | 2042 | 800 | 1723 | 1213 | 966 | 670 | 338 | 585 | 723 | 646 | 551 | 279 | 466 | 357 | 339 | 317 | 197 | 317 | 174 | 84 | 65 | 235 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 382 | 370 | 378 | 332 | 366 | 332 | 332 | 324 | 317 | 328 | 347 | 332 | 344 | 321 | 336 | 332 | 340 | 336 | 321 | 340 | 374 | 263 | 202 | 298 |
| Efficacy | 95 | 93 | 94 | 83 | 92 | 83 | 83 | 81 | 79 | 82 | 87 | 83 | 86 | 80 | 84 | 83 | 85 | 84 | 80 | 85 | 94 | 66 | 51 | 74 |
| CBCP | 7263 | 3477 | 2127 | 833 | 1795 | 1264 | 1007 | 697 | 352 | 609 | 753 | 673 | 574 | 290 | 486 | 372 | 353 | 330 | 205 | 330 | 181 | 88 | 68 | 245 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 397 | 385 | 393 | 345 | 381 | 345 | 345 | 337 | 330 | 341 | 361 | 345 | 357 | 334 | 349 | 345 | 353 | 349 | 334 | 353 | 389 | 274 | 210 | 310 |
| Efficacy | 99 | 96 | 98 | 86 | 95 | 86 | 86 | 84 | 82 | 85 | 90 | 86 | 89 | 83 | 87 | 86 | 88 | 87 | 83 | 88 | 97 | 68 | 53 | 77 |
| CBCP | 7554 | 3617 | 2212 | 867 | 1866 | 1314 | 1047 | 725 | 366 | 634 | 783 | 700 | 597 | 302 | 505 | 387 | 368 | 343 | 213 | 344 | 189 | 91 | 71 | 255 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 393 | 381 | 389 | 342 | 377 | 342 | 342 | 334 | 326 | 338 | 358 | 342 | 354 | 330 | 346 | 342 | 350 | 346 | 330 | 350 | 385 | 271 | 208 | 307 |
| Efficacy | 98 | 95 | 97 | 86 | 94 | 86 | 86 | 84 | 82 | 85 | 89 | 86 | 88 | 83 | 87 | 86 | 87 | 87 | 83 | 87 | 96 | 68 | 52 | 77 |
| CBCP | 7481 | 3582 | 2190 | 858 | 1848 | 1302 | 1037 | 718 | 363 | 628 | 776 | 693 | 591 | 299 | 500 | 383 | 364 | 340 | 211 | 340 | 187 | 91 | 70 | 252 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 340 | 330 | 336 | 296 | 326 | 296 | 296 | 289 | 282 | 292 | 309 | 296 | 306 | 285 | 299 | 296 | 302 | 299 | 285 | 302 | 333 | 234 | 180 | 265 |
| Efficacy | 85 | 82 | 84 | 74 | 82 | 74 | 74 | 72 | 71 | 73 | 77 | 74 | 76 | 71 | 75 | 74 | 76 | 75 | 71 | 76 | 83 | 59 | 45 | 66 |
| CBCP | 6464 | 3095 | 1893 | 742 | 1597 | 1125 | 896 | 621 | 313 | 542 | 670 | 599 | 511 | 259 | 432 | 331 | 314 | 294 | 182 | 294 | 161 | 78 | 61 | 218 |

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**FREEDOM TO CREATE™**

| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|

# 80CRI

| **L50 6W** | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 499 | 484 | 494 | 434 | 479 | 434 | 434 | 424 | 414 | 429 | 454 | 434 | 449 | 419 | 439 | 434 | 444 | 439 | 419 | 444 | 489 | 344 | 264 | 389 |
| **Efficacy** | 83 | 81 | 82 | 72 | 80 | 72 | 72 | 71 | 69 | 72 | 76 | 72 | 75 | 70 | 73 | 72 | 74 | 73 | 70 | 74 | 81 | 57 | 44 | 65 |
| **CBCP** | 9492 | 4545 | 2779 | 1089 | 2345 | 1652 | 1315 | 912 | 460 | 796 | 984 | 880 | 750 | 380 | 635 | 486 | 462 | 431 | 268 | 432 | 237 | 115 | 89 | 320 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 584 | 567 | 578 | 508 | 561 | 508 | 508 | 496 | 485 | 502 | 532 | 508 | 526 | 491 | 514 | 508 | 520 | 514 | 491 | 520 | 572 | 403 | 310 | 456 |
| **Efficacy** | 97 | 94 | 96 | 85 | 93 | 85 | 85 | 83 | 81 | 84 | 89 | 85 | 88 | 82 | 86 | 85 | 87 | 86 | 82 | 87 | 95 | 67 | 52 | 76 |
| **CBCP** | 11113 | 5321 | 3254 | 1275 | 2746 | 1934 | 1540 | 1067 | 539 | 932 | 1152 | 1030 | 879 | 444 | 743 | 569 | 541 | 505 | 314 | 506 | 277 | 134 | 104 | 375 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 608 | 590 | 602 | 529 | 584 | 529 | 529 | 517 | 505 | 523 | 554 | 529 | 548 | 511 | 535 | 529 | 542 | 535 | 511 | 542 | 596 | 420 | 322 | 475 |
| **Efficacy** | 101 | 98 | 100 | 88 | 97 | 88 | 88 | 86 | 84 | 87 | 92 | 88 | 91 | 85 | 89 | 88 | 90 | 89 | 85 | 90 | 99 | 70 | 54 | 79 |
| **CBCP** | 11576 | 5542 | 3389 | 1328 | 2860 | 2014 | 1604 | 1112 | 561 | 971 | 1200 | 1073 | 915 | 463 | 774 | 592 | 563 | 526 | 327 | 527 | 289 | 140 | 108 | 391 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 633 | 614 | 626 | 551 | 607 | 551 | 551 | 538 | 525 | 544 | 576 | 551 | 569 | 532 | 557 | 551 | 563 | 557 | 532 | 563 | 620 | 437 | 335 | 494 |
| **Efficacy** | 105 | 102 | 104 | 92 | 101 | 92 | 92 | 90 | 88 | 91 | 96 | 92 | 95 | 89 | 93 | 92 | 94 | 93 | 89 | 94 | 103 | 73 | 56 | 82 |
| **CBCP** | 12039 | 5764 | 3525 | 1381 | 2974 | 2095 | 1668 | 1156 | 584 | 1010 | 1248 | 1116 | 952 | 481 | 805 | 616 | 586 | 547 | 340 | 548 | 300 | 146 | 113 | 406 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 627 | 608 | 620 | 545 | 602 | 545 | 545 | 533 | 520 | 539 | 570 | 545 | 564 | 526 | 551 | 545 | 558 | 551 | 526 | 558 | 614 | 432 | 332 | 489 |
| **Efficacy** | 104 | 101 | 103 | 91 | 100 | 91 | 91 | 89 | 87 | 90 | 95 | 91 | 94 | 88 | 92 | 91 | 93 | 92 | 88 | 93 | 102 | 72 | 55 | 81 |
| **CBCP** | 11923 | 5709 | 3491 | 1368 | 2946 | 2075 | 1652 | 1145 | 578 | 1000 | 1236 | 1105 | 943 | 477 | 797 | 610 | 580 | 542 | 337 | 543 | 298 | 144 | 112 | 402 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 542 | 525 | 536 | 471 | 520 | 471 | 471 | 460 | 449 | 466 | 493 | 471 | 487 | 455 | 477 | 471 | 482 | 477 | 455 | 482 | 531 | 374 | 287 | 422 |
| **Efficacy** | 90 | 88 | 89 | 79 | 87 | 79 | 79 | 77 | 75 | 78 | 82 | 79 | 81 | 76 | 79 | 79 | 80 | 79 | 76 | 80 | 88 | 62 | 48 | 70 |
| **CBCP** | 10302 | 4933 | 3017 | 1182 | 2545 | 1793 | 1428 | 989 | 499 | 864 | 1068 | 955 | 814 | 412 | 689 | 527 | 501 | 468 | 291 | 469 | 257 | 125 | 96 | 348 |

| **L50 8W** | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 695 | 674 | 688 | 604 | 667 | 604 | 604 | 590 | 576 | 597 | 632 | 604 | 625 | 583 | 611 | 604 | 618 | 611 | 583 | 618 | 681 | 479 | 368 | 542 |
| **Efficacy** | 87 | 84 | 86 | 76 | 83 | 76 | 76 | 74 | 72 | 75 | 79 | 76 | 78 | 73 | 76 | 76 | 77 | 76 | 73 | 77 | 85 | 60 | 46 | 68 |
| **CBCP** | 13214 | 6327 | 3869 | 1516 | 3265 | 2299 | 1831 | 1269 | 641 | 1108 | 1370 | 1224 | 1045 | 528 | 884 | 676 | 643 | 600 | 373 | 601 | 330 | 160 | 124 | 446 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 813 | 789 | 805 | 707 | 781 | 707 | 707 | 691 | 675 | 699 | 740 | 707 | 732 | 683 | 716 | 707 | 724 | 716 | 683 | 724 | 797 | 561 | 431 | 634 |
| **Efficacy** | 102 | 99 | 101 | 88 | 98 | 88 | 88 | 86 | 84 | 87 | 92 | 88 | 91 | 85 | 89 | 88 | 90 | 89 | 85 | 90 | 100 | 70 | 54 | 79 |
| **CBCP** | 15471 | 7407 | 4530 | 1775 | 3822 | 2692 | 2144 | 1486 | 750 | 1298 | 1604 | 1434 | 1223 | 619 | 1035 | 792 | 753 | 703 | 437 | 704 | 386 | 187 | 145 | 522 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 847 | 822 | 839 | 737 | 813 | 737 | 737 | 720 | 703 | 728 | 771 | 737 | 762 | 712 | 745 | 737 | 754 | 745 | 712 | 754 | 830 | 584 | 449 | 661 |
| **Efficacy** | 106 | 103 | 105 | 92 | 102 | 92 | 92 | 90 | 88 | 91 | 96 | 92 | 95 | 89 | 93 | 92 | 94 | 93 | 89 | 94 | 104 | 73 | 56 | 83 |
| **CBCP** | 16115 | 7716 | 4718 | 1849 | 3982 | 2804 | 2233 | 1584 | 781 | 1352 | 1671 | 1493 | 1274 | 644 | 1078 | 825 | 784 | 732 | 455 | 733 | 402 | 195 | 151 | 544 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 881 | 854 | 872 | 766 | 846 | 766 | 766 | 749 | 731 | 758 | 802 | 766 | 793 | 740 | 775 | 766 | 784 | 775 | 740 | 784 | 863 | 608 | 467 | 687 |
| **Efficacy** | 110 | 107 | 109 | 96 | 106 | 96 | 96 | 94 | 91 | 95 | 100 | 96 | 99 | 92 | 97 | 96 | 98 | 97 | 92 | 98 | 108 | 76 | 58 | 86 |
| **CBCP** | 16760 | 8024 | 4907 | 1923 | 4141 | 2916 | 2323 | 1609 | 812 | 1406 | 1738 | 1553 | 1325 | 670 | 1121 | 858 | 815 | 761 | 473 | 763 | 418 | 203 | 157 | 566 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 872 | 846 | 864 | 759 | 838 | 759 | 759 | 742 | 724 | 750 | 794 | 759 | 785 | 733 | 768 | 759 | 776 | 768 | 733 | 776 | 855 | 602 | 462 | 681 |
| **Efficacy** | 109 | 106 | 108 | 95 | 105 | 95 | 95 | 93 | 91 | 94 | 99 | 95 | 98 | 92 | 96 | 95 | 97 | 96 | 92 | 97 | 107 | 75 | 58 | 85 |
| **CBCP** | 16599 | 7947 | 4860 | 1905 | 4101 | 2888 | 2300 | 1594 | 805 | 1392 | 1721 | 1538 | 1312 | 664 | 1110 | 849 | 808 | 754 | 469 | 755 | 414 | 201 | 155 | 560 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 754 | 731 | 746 | 656 | 724 | 656 | 656 | 641 | 626 | 648 | 686 | 656 | 678 | 633 | 663 | 656 | 671 | 663 | 633 | 671 | 739 | 520 | 400 | 588 |
| **Efficacy** | 94 | 91 | 93 | 82 | 90 | 82 | 82 | 80 | 78 | 81 | 86 | 82 | 85 | 79 | 83 | 82 | 84 | 83 | 79 | 84 | 92 | 65 | 50 | 74 |
| **CBCP** | 14342 | 6867 | 4199 | 1646 | 3544 | 2496 | 1988 | 1377 | 695 | 1203 | 1487 | 1329 | 1134 | 574 | 959 | 734 | 698 | 651 | 405 | 653 | 358 | 174 | 134 | 484 |

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**FREEDOM TO CREATE™**

| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|
| | | | |

# 80CRI

| **L50 10W** | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 841 | 816 | 833 | 732 | 808 | 732 | 732 | 715 | 698 | 724 | 766 | 732 | 757 | 707 | 740 | 732 | 749 | 740 | 707 | 749 | 824 | 580 | 446 | 656 |
| **Efficacy** | 84 | 82 | 83 | 73 | 81 | 73 | 73 | 72 | 70 | 72 | 77 | 73 | 76 | 71 | 74 | 73 | 75 | 74 | 71 | 75 | 82 | 58 | 45 | 66 |
| **CBCP** | 16006 | 7664 | 4687 | 1837 | 3955 | 2785 | 2218 | 1537 | 776 | 1343 | 1659 | 1483 | 1265 | 640 | 1071 | 819 | 779 | 727 | 452 | 728 | 399 | 194 | 150 | 540 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 985 | 955 | 975 | 857 | 946 | 857 | 857 | 837 | 818 | 847 | 896 | 857 | 886 | 827 | 867 | 857 | 877 | 867 | 827 | 877 | 965 | 680 | 522 | 768 |
| **Efficacy** | 98 | 96 | 98 | 86 | 95 | 86 | 86 | 84 | 82 | 85 | 90 | 86 | 89 | 83 | 87 | 86 | 88 | 87 | 83 | 88 | 97 | 68 | 52 | 77 |
| **CBCP** | 18739 | 8972 | 5487 | 2150 | 4630 | 3260 | 2597 | 1800 | 908 | 1572 | 1943 | 1736 | 1481 | 749 | 1253 | 959 | 912 | 851 | 529 | 853 | 468 | 227 | 175 | 632 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1026 | 995 | 1016 | 893 | 985 | 893 | 893 | 872 | 852 | 882 | 934 | 893 | 923 | 862 | 903 | 893 | 913 | 903 | 862 | 913 | 1005 | 708 | 544 | 800 |
| **Efficacy** | 103 | 100 | 102 | 89 | 98 | 89 | 89 | 87 | 85 | 88 | 93 | 89 | 92 | 86 | 90 | 89 | 91 | 90 | 86 | 91 | 101 | 71 | 54 | 80 |
| **CBCP** | 19520 | 9346 | 5715 | 2240 | 4823 | 3396 | 2705 | 1874 | 946 | 1637 | 2024 | 1809 | 1543 | 781 | 1306 | 999 | 950 | 887 | 551 | 888 | 487 | 236 | 183 | 659 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1067 | 1035 | 1056 | 928 | 1024 | 928 | 928 | 907 | 886 | 918 | 971 | 928 | 960 | 896 | 939 | 928 | 950 | 939 | 896 | 950 | 1046 | 736 | 566 | 832 |
| **Efficacy** | 107 | 104 | 106 | 93 | 102 | 93 | 93 | 91 | 89 | 92 | 97 | 93 | 96 | 90 | 94 | 93 | 95 | 94 | 90 | 95 | 105 | 74 | 57 | 83 |
| **CBCP** | 20300 | 9720 | 5944 | 2330 | 5016 | 3532 | 2813 | 1949 | 984 | 1703 | 2105 | 1881 | 1605 | 812 | 1358 | 1039 | 988 | 922 | 573 | 924 | 507 | 246 | 190 | 685 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1057 | 1025 | 1046 | 919 | 1014 | 919 | 919 | 898 | 877 | 909 | 962 | 919 | 951 | 888 | 930 | 919 | 941 | 930 | 888 | 941 | 1036 | 729 | 560 | 824 |
| **Efficacy** | 106 | 103 | 105 | 92 | 101 | 92 | 92 | 90 | 88 | 91 | 96 | 92 | 95 | 89 | 93 | 92 | 94 | 93 | 89 | 94 | 104 | 73 | 56 | 82 |
| **CBCP** | 20105 | 9626 | 5887 | 2307 | 4967 | 3498 | 2786 | 1931 | 975 | 1686 | 2084 | 1863 | 1589 | 804 | 1345 | 1029 | 978 | 913 | 568 | 915 | 502 | 243 | 188 | 678 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 913 | 886 | 904 | 794 | 877 | 794 | 794 | 776 | 758 | 785 | 831 | 794 | 822 | 767 | 804 | 794 | 813 | 804 | 767 | 813 | 895 | 630 | 484 | 712 |
| **Efficacy** | 91 | 89 | 90 | 79 | 88 | 79 | 79 | 78 | 76 | 79 | 83 | 79 | 82 | 77 | 80 | 79 | 81 | 80 | 77 | 81 | 89 | 63 | 48 | 71 |
| **CBCP** | 17373 | 8313 | 5087 | 1994 | 4292 | 3023 | 2407 | 1668 | 842 | 1457 | 1801 | 1610 | 1373 | 695 | 1162 | 889 | 845 | 789 | 490 | 790 | 434 | 210 | 163 | 586 |

| **L50 12W** | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2200K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 978 | 949 | 968 | 851 | 939 | 851 | 851 | 832 | 812 | 841 | 890 | 851 | 880 | 822 | 861 | 851 | 871 | 861 | 822 | 871 | 959 | 675 | 518 | 763 |
| **Efficacy** | 82 | 79 | 81 | 71 | 78 | 71 | 71 | 69 | 68 | 70 | 74 | 71 | 73 | 68 | 72 | 71 | 73 | 72 | 68 | 73 | 80 | 56 | 43 | 64 |
| **CBCP** | 186112 | 8911 | 5450 | 2136 | 4598 | 3238 | 2579 | 1787 | 902 | 1561 | 1930 | 1725 | 1471 | 744 | 1245 | 952 | 906 | 845 | 525 | 847 | 465 | 225 | 174 | 628 |
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1145 | 1111 | 1134 | 996 | 1099 | 996 | 996 | 973 | 951 | 985 | 1042 | 996 | 1031 | 962 | 1008 | 996 | 1019 | 1008 | 962 | 1019 | 1122 | 790 | 607 | 893 |
| **Efficacy** | 95 | 93 | 94 | 83 | 92 | 83 | 83 | 81 | 79 | 82 | 87 | 83 | 86 | 80 | 84 | 83 | 85 | 84 | 80 | 85 | 94 | 66 | 51 | 74 |
| **CBCP** | 21789 | 10432 | 6380 | 2500 | 5384 | 3791 | 3020 | 2092 | 1056 | 1828 | 2259 | 2019 | 1723 | 871 | 1457 | 1115 | 1060 | 990 | 615 | 991 | 544 | 264 | 204 | 735 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1193 | 1157 | 1181 | 1038 | 1145 | 1038 | 1038 | 1014 | 990 | 1026 | 1086 | 1038 | 1074 | 1002 | 1050 | 1038 | 1062 | 1050 | 1002 | 1062 | 1169 | 823 | 632 | 931 |
| **Efficacy** | 99 | 96 | 98 | 86 | 95 | 86 | 86 | 85 | 83 | 85 | 90 | 86 | 89 | 84 | 87 | 86 | 88 | 87 | 84 | 88 | 97 | 69 | 53 | 78 |
| **CBCP** | 22697 | 10867 | 6646 | 2605 | 5608 | 3949 | 3145 | 2180 | 1100 | 1904 | 2353 | 2103 | 1794 | 908 | 1518 | 1161 | 1104 | 1031 | 641 | 1033 | 566 | 275 | 212 | 766 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1241 | 1203 | 1228 | 1079 | 1191 | 1079 | 1079 | 1055 | 1030 | 1067 | 1129 | 1079 | 1117 | 1042 | 1092 | 1079 | 1104 | 1092 | 1042 | 1104 | 1216 | 856 | 658 | 968 |
| **Efficacy** | 103 | 100 | 102 | 90 | 99 | 90 | 90 | 88 | 86 | 89 | 94 | 90 | 93 | 87 | 91 | 90 | 92 | 91 | 87 | 92 | 101 | 71 | 55 | 81 |
| **CBCP** | 23605 | 11302 | 6912 | 2709 | 5832 | 4107 | 3271 | 2267 | 1144 | 1980 | 2447 | 2187 | 1866 | 944 | 1579 | 1208 | 1148 | 1072 | 666 | 1074 | 589 | 286 | 221 | 797 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1229 | 1192 | 1217 | 1069 | 1180 | 1069 | 1069 | 1044 | 1020 | 1057 | 1118 | 1069 | 1106 | 1032 | 1081 | 1069 | 1094 | 1081 | 1032 | 1094 | 1204 | 848 | 651 | 958 |
| **Efficacy** | 102 | 99 | 101 | 89 | 98 | 89 | 89 | 87 | 85 | 88 | 93 | 89 | 92 | 86 | 90 | 89 | 91 | 90 | 86 | 91 | 100 | 71 | 54 | 80 |
| **CBCP** | 23378 | 11193 | 6845 | 2683 | 5776 | 4068 | 3240 | 2245 | 1133 | 1961 | 2424 | 2166 | 1848 | 935 | 1564 | 1196 | 1137 | 1062 | 660 | 1064 | 583 | 283 | 219 | 789 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lumens/LF** | 1062 | 1030 | 1051 | 924 | 1019 | 924 | 924 | 903 | 881 | 913 | 966 | 924 | 956 | 892 | 934 | 924 | 945 | 934 | 892 | 945 | 1041 | 733 | 563 | 828 |
| **Efficacy** | 88 | 86 | 88 | 77 | 85 | 77 | 77 | 75 | 73 | 76 | 81 | 77 | 80 | 74 | 78 | 77 | 79 | 78 | 74 | 79 | 87 | 61 | 47 | 69 |
| **CBCP** | 20201 | 9672 | 5915 | 2318 | 4991 | 3515 | 2799 | 1940 | 979 | 1694 | 2094 | 1872 | 1597 | 808 | 1351 | 1034 | 983 | 918 | 570 | 919 | 504 | 244 | 189 | 682 |

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**FREEDOM TO CREATE™**

| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|
| | | | |

# 90CRI

| L50 2W | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 115 | 111 | 114 | 100 | 110 | 100 | 100 | 98 | 95 | 99 | 104 | 100 | 103 | 96 | 101 | 100 | 102 | 101 | 96 | 102 | 112 | 79 | 61 | 90 |
| Efficacy | 57 | 56 | 57 | 50 | 55 | 50 | 50 | 49 | 48 | 49 | 52 | 50 | 52 | 48 | 50 | 50 | 51 | 50 | 48 | 51 | 56 | 40 | 30 | 45 |
| CBCP | 2183 | 1045 | 639 | 251 | 539 | 380 | 303 | 210 | 106 | 183 | 226 | 202 | 173 | 87 | 146 | 112 | 106 | 99 | 62 | 99 | 54 | 26 | 20 | 74 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 123 | 119 | 121 | 107 | 118 | 107 | 107 | 104 | 102 | 105 | 111 | 107 | 110 | 103 | 108 | 107 | 109 | 108 | 103 | 109 | 120 | 85 | 65 | 96 |
| Efficacy | 61 | 59 | 61 | 53 | 59 | 53 | 53 | 52 | 51 | 53 | 56 | 53 | 55 | 51 | 54 | 53 | 55 | 54 | 51 | 55 | 60 | 42 | 32 | 48 |
| CBCP | 2331 | 1116 | 683 | 267 | 576 | 406 | 323 | 224 | 113 | 196 | 242 | 216 | 184 | 93 | 156 | 119 | 113 | 106 | 66 | 106 | 58 | 28 | 22 | 79 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 126 | 122 | 124 | 109 | 121 | 109 | 109 | 107 | 104 | 108 | 114 | 109 | 113 | 106 | 111 | 109 | 112 | 111 | 106 | 112 | 123 | 87 | 67 | 98 |
| Efficacy | 63 | 61 | 62 | 55 | 60 | 55 | 55 | 53 | 52 | 54 | 57 | 55 | 57 | 53 | 55 | 55 | 56 | 55 | 53 | 56 | 62 | 43 | 33 | 49 |
| CBCP | 2390 | 1144 | 700 | 274 | 591 | 416 | 331 | 230 | 116 | 200 | 248 | 221 | 189 | 96 | 160 | 122 | 116 | 109 | 67 | 109 | 60 | 29 | 22 | 81 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 129 | 125 | 127 | 112 | 124 | 112 | 112 | 109 | 107 | 111 | 117 | 112 | 116 | 108 | 113 | 112 | 115 | 113 | 108 | 115 | 126 | 89 | 68 | 100 |
| Efficacy | 64 | 62 | 64 | 56 | 62 | 56 | 56 | 55 | 53 | 55 | 59 | 56 | 58 | 54 | 57 | 56 | 57 | 57 | 54 | 57 | 63 | 44 | 34 | 50 |
| CBCP | 2449 | 1173 | 717 | 281 | 605 | 426 | 339 | 235 | 119 | 205 | 254 | 227 | 194 | 98 | 164 | 125 | 119 | 111 | 69 | 111 | 61 | 30 | 23 | 83 |

| L50 4W | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 283 | 274 | 280 | 246 | 271 | 246 | 246 | 240 | 234 | 243 | 257 | 246 | 254 | 237 | 249 | 246 | 251 | 249 | 237 | 251 | 277 | 195 | 150 | 220 |
| Efficacy | 71 | 69 | 70 | 61 | 68 | 61 | 61 | 60 | 59 | 61 | 64 | 61 | 64 | 59 | 62 | 61 | 63 | 62 | 59 | 63 | 69 | 49 | 37 | 55 |
| CBCP | 5375 | 2573 | 1574 | 617 | 1328 | 935 | 745 | 516 | 261 | 451 | 557 | 498 | 425 | 215 | 359 | 275 | 261 | 244 | 152 | 245 | 134 | 65 | 50 | 181 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 302 | 293 | 299 | 262 | 290 | 262 | 262 | 256 | 250 | 259 | 274 | 262 | 271 | 253 | 265 | 262 | 268 | 265 | 253 | 268 | 296 | 208 | 160 | 235 |
| Efficacy | 75 | 73 | 75 | 66 | 72 | 66 | 66 | 64 | 63 | 65 | 69 | 66 | 68 | 63 | 66 | 66 | 67 | 66 | 63 | 67 | 74 | 52 | 40 | 59 |
| CBCP | 5738 | 2747 | 1680 | 658 | 1418 | 998 | 795 | 551 | 278 | 481 | 595 | 532 | 454 | 229 | 384 | 294 | 279 | 261 | 162 | 261 | 143 | 69 | 54 | 194 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 309 | 300 | 306 | 269 | 297 | 269 | 269 | 263 | 257 | 266 | 281 | 269 | 278 | 260 | 272 | 269 | 275 | 272 | 260 | 275 | 303 | 213 | 164 | 241 |
| Efficacy | 77 | 75 | 77 | 67 | 74 | 67 | 67 | 66 | 64 | 66 | 70 | 67 | 70 | 65 | 68 | 67 | 69 | 68 | 65 | 69 | 76 | 53 | 41 | 60 |
| CBCP | 5883 | 2817 | 1723 | 675 | 1454 | 1024 | 815 | 565 | 285 | 493 | 610 | 545 | 465 | 235 | 394 | 301 | 286 | 267 | 166 | 268 | 147 | 71 | 55 | 199 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 317 | 307 | 314 | 276 | 304 | 276 | 276 | 269 | 263 | 273 | 288 | 276 | 285 | 266 | 279 | 276 | 282 | 279 | 266 | 282 | 311 | 219 | 168 | 247 |
| Efficacy | 79 | 77 | 78 | 69 | 76 | 69 | 69 | 67 | 66 | 68 | 72 | 69 | 71 | 67 | 70 | 69 | 71 | 70 | 67 | 71 | 78 | 55 | 42 | 62 |
| CBCP | 6028 | 2886 | 1765 | 692 | 1489 | 1049 | 835 | 579 | 292 | 506 | 625 | 559 | 477 | 241 | 403 | 308 | 293 | 274 | 170 | 274 | 150 | 73 | 56 | 203 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 450 | 437 | 446 | 392 | 432 | 392 | 392 | 383 | 374 | 387 | 410 | 392 | 405 | 378 | 396 | 392 | 401 | 396 | 378 | 401 | 441 | 311 | 239 | 351 |
| Efficacy | 75 | 73 | 74 | 65 | 72 | 65 | 65 | 64 | 62 | 65 | 68 | 65 | 68 | 63 | 66 | 65 | 67 | 66 | 63 | 67 | 74 | 52 | 40 | 59 |
| CBCP | 8566 | 4101 | 2508 | 983 | 2116 | 1490 | 1187 | 823 | 415 | 719 | 888 | 794 | 677 | 343 | 573 | 438 | 417 | 389 | 242 | 390 | 214 | 104 | 80 | 289 |

| L50 6W | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 450 | 437 | 446 | 392 | 432 | 392 | 392 | 383 | 374 | 387 | 410 | 392 | 405 | 378 | 396 | 392 | 401 | 396 | 378 | 401 | 441 | 311 | 239 | 351 |
| Efficacy | 75 | 73 | 74 | 65 | 72 | 65 | 65 | 64 | 62 | 65 | 68 | 65 | 68 | 63 | 66 | 65 | 67 | 66 | 63 | 67 | 74 | 52 | 40 | 59 |
| CBCP | 8566 | 4101 | 2508 | 983 | 2116 | 1490 | 1187 | 823 | 415 | 719 | 888 | 794 | 677 | 343 | 573 | 438 | 417 | 389 | 242 | 390 | 214 | 104 | 80 | 289 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 481 | 466 | 476 | 418 | 461 | 418 | 418 | 409 | 399 | 413 | 437 | 418 | 433 | 404 | 423 | 418 | 428 | 423 | 404 | 428 | 471 | 332 | 255 | 375 |
| Efficacy | 80 | 78 | 79 | 70 | 77 | 70 | 70 | 68 | 66 | 69 | 73 | 70 | 72 | 67 | 70 | 70 | 71 | 70 | 67 | 71 | 79 | 55 | 42 | 62 |
| CBCP | 9145 | 4378 | 2678 | 1049 | 2259 | 1591 | 1267 | 878 | 443 | 767 | 948 | 847 | 723 | 366 | 612 | 468 | 445 | 415 | 258 | 416 | 228 | 111 | 86 | 309 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 493 | 478 | 488 | 429 | 473 | 429 | 429 | 419 | 409 | 424 | 448 | 429 | 444 | 414 | 434 | 429 | 439 | 434 | 414 | 439 | 483 | 340 | 261 | 384 |
| Efficacy | 82 | 80 | 81 | 71 | 79 | 71 | 71 | 70 | 68 | 71 | 75 | 71 | 74 | 69 | 72 | 71 | 73 | 72 | 69 | 73 | 80 | 57 | 44 | 64 |
| CBCP | 9376 | 4489 | 2745 | 1076 | 2317 | 1631 | 1299 | 900 | 455 | 787 | 972 | 869 | 741 | 375 | 627 | 480 | 456 | 426 | 265 | 427 | 234 | 113 | 88 | 316 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 505 | 490 | 500 | 439 | 485 | 439 | 439 | 429 | 419 | 434 | 460 | 439 | 454 | 424 | 444 | 439 | 449 | 444 | 424 | 449 | 495 | 348 | 268 | 394 |
| Efficacy | 84 | 82 | 83 | 73 | 81 | 73 | 73 | 72 | 70 | 72 | 77 | 73 | 76 | 71 | 74 | 73 | 75 | 74 | 71 | 75 | 82 | 58 | 45 | 66 |
| CBCP | 9608 | 4600 | 2813 | 1103 | 2374 | 1672 | 1331 | 923 | 466 | 806 | 996 | 890 | 760 | 384 | 643 | 492 | 467 | 436 | 271 | 437 | 240 | 116 | 90 | 324 |
| **5000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 627 | 608 | 621 | 545 | 602 | 545 | 545 | 533 | 520 | 539 | 570 | 545 | 564 | 527 | 552 | 545 | 558 | 552 | 527 | 558 | 614 | 432 | 332 | 489 |
| Efficacy | 78 | 76 | 78 | 68 | 75 | 68 | 68 | 67 | 65 | 67 | 71 | 68 | 71 | 66 | 69 | 68 | 70 | 69 | 66 | 70 | 77 | 54 | 42 | 61 |
| CBCP | 11925 | 5710 | 3492 | 1368 | 2946 | 2075 | 1653 | 1145 | 578 | 1000 | 1236 | 1105 | 943 | 477 | 798 | 610 | 580 | 542 | 337 | 543 | 298 | 144 | 112 | 402 |

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**FREEDOM TO CREATE™**

| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|
| | | | |

# 90CRI

## L50 8W

| | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 627 | 608 | 621 | 545 | 602 | 545 | 545 | 533 | 520 | 539 | 570 | 545 | 564 | 527 | 552 | 545 | 558 | 552 | 527 | 558 | 614 | 432 | 332 | 489 |
| Efficacy | 78 | 76 | 78 | 68 | 75 | 68 | 68 | 67 | 65 | 67 | 71 | 68 | 71 | 66 | 69 | 68 | 70 | 69 | 66 | 70 | 77 | 54 | 42 | 61 |
| CBCP | 11925 | 5710 | 3492 | 1368 | 2946 | 2075 | 1653 | 1145 | 578 | 1000 | 1236 | 1105 | 943 | 477 | 798 | 610 | 580 | 542 | 337 | 543 | 298 | 144 | 112 | 402 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 669 | 649 | 662 | 582 | 642 | 582 | 582 | 569 | 555 | 575 | 609 | 582 | 602 | 562 | 589 | 582 | 596 | 589 | 562 | 596 | 656 | 462 | 355 | 552 |
| Efficacy | 84 | 81 | 83 | 73 | 80 | 73 | 73 | 71 | 69 | 72 | 76 | 73 | 75 | 70 | 74 | 73 | 74 | 74 | 70 | 74 | 82 | 58 | 44 | 65 |
| CBCP | 12731 | 6095 | 3728 | 1461 | 3145 | 2215 | 1764 | 1223 | 617 | 1068 | 1320 | 1180 | 1006 | 509 | 852 | 651 | 619 | 578 | 359 | 579 | 318 | 154 | 119 | 430 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 686 | 666 | 679 | 597 | 659 | 597 | 597 | 583 | 569 | 590 | 624 | 597 | 617 | 576 | 604 | 597 | 611 | 604 | 567 | 611 | 672 | 473 | 364 | 535 |
| Efficacy | 86 | 83 | 85 | 75 | 82 | 75 | 75 | 73 | 71 | 74 | 78 | 75 | 77 | 72 | 75 | 75 | 76 | 75 | 72 | 76 | 84 | 59 | 45 | 67 |
| CBCP | 13053 | 6350 | 3822 | 1498 | 3225 | 2271 | 1809 | 1254 | 633 | 1095 | 1353 | 1210 | 1032 | 522 | 873 | 668 | 635 | 593 | 368 | 594 | 326 | 158 | 122 | 440 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 703 | 682 | 696 | 612 | 675 | 612 | 612 | 598 | 584 | 605 | 640 | 612 | 633 | 591 | 619 | 612 | 626 | 619 | 591 | 626 | 689 | 485 | 373 | 548 |
| Efficacy | 88 | 85 | 87 | 76 | 84 | 76 | 76 | 75 | 73 | 76 | 80 | 76 | 79 | 74 | 77 | 76 | 78 | 77 | 74 | 78 | 86 | 61 | 47 | 69 |
| CBCP | 13376 | 6404 | 3916 | 1535 | 3305 | 2327 | 1854 | 1284 | 648 | 1122 | 1387 | 1239 | 1057 | 535 | 895 | 684 | 651 | 608 | 378 | 609 | 334 | 162 | 125 | 451 |

## L50 10W

| | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 759 | 736 | 752 | 661 | 729 | 661 | 661 | 645 | 630 | 653 | 691 | 661 | 683 | 683 | 668 | 661 | 676 | 668 | 638 | 676 | 744 | 524 | 402 | 592 |
| Efficacy | 76 | 74 | 75 | 66 | 73 | 66 | 66 | 65 | 63 | 65 | 69 | 66 | 68 | 64 | 67 | 66 | 68 | 67 | 64 | 68 | 74 | 52 | 40 | 59 |
| CBCP | 14445 | 6916 | 4229 | 1658 | 3569 | 2513 | 2002 | 1387 | 700 | 1212 | 1498 | 1338 | 1142 | 578 | 966 | 739 | 703 | 656 | 408 | 657 | 361 | 175 | 135 | 487 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 811 | 786 | 802 | 705 | 778 | 705 | 705 | 689 | 673 | 697 | 738 | 705 | 729 | 681 | 713 | 705 | 721 | 713 | 681 | 721 | 794 | 559 | 430 | 632 |
| Efficacy | 81 | 79 | 80 | 71 | 78 | 71 | 71 | 69 | 67 | 70 | 74 | 71 | 73 | 68 | 71 | 71 | 72 | 71 | 68 | 72 | 79 | 56 | 43 | 63 |
| CBCP | 15421 | 7383 | 4515 | 1770 | 3810 | 2683 | 2137 | 1481 | 748 | 1294 | 1599 | 1429 | 1219 | 617 | 1031 | 789 | 750 | 700 | 435 | 702 | 385 | 187 | 144 | 520 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 831 | 806 | 823 | 723 | 798 | 723 | 723 | 706 | 690 | 715 | 756 | 723 | 748 | 698 | 731 | 723 | 740 | 731 | 698 | 740 | 814 | 573 | 440 | 648 |
| Efficacy | 83 | 81 | 82 | 72 | 80 | 72 | 72 | 71 | 69 | 71 | 76 | 72 | 75 | 70 | 73 | 72 | 74 | 73 | 70 | 74 | 81 | 57 | 44 | 65 |
| CBCP | 15811 | 7570 | 4629 | 1814 | 3906 | 2751 | 2191 | 1518 | 766 | 1326 | 1639 | 1465 | 1250 | 632 | 1058 | 809 | 769 | 718 | 446 | 719 | 395 | 191 | 148 | 534 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 852 | 826 | 843 | 741 | 818 | 741 | 741 | 724 | 707 | 732 | 775 | 741 | 766 | 715 | 749 | 741 | 758 | 749 | 715 | 758 | 835 | 588 | 451 | 664 |
| Efficacy | 85 | 83 | 84 | 74 | 82 | 74 | 74 | 72 | 71 | 73 | 77 | 74 | 77 | 72 | 75 | 74 | 76 | 75 | 72 | 76 | 83 | 59 | 45 | 66 |
| CBCP | 16201 | 7757 | 4744 | 1859 | 4003 | 2819 | 2245 | 1556 | 785 | 1359 | 1680 | 1501 | 1281 | 648 | 1084 | 829 | 788 | 736 | 457 | 737 | 404 | 196 | 152 | 547 |

## L50 12W

| | 9x9 | 9x17 | 9x29 | 9x59 | 39x9 | 15x15 | 15x23 | 15x35 | 15x65 | 45x15 | 25x25 | 25x33 | 25x45 | 25x75 | 55x25 | 40x40 | 40x48 | 40x60 | 40x90 | 70x40 | 70x70 | 120 | LOL | ASYM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2700K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 883 | 856 | 874 | 768 | 848 | 768 | 768 | 750 | 733 | 759 | 803 | 768 | 795 | 742 | 777 | 768 | 786 | 777 | 742 | 786 | 865 | 609 | 468 | 689 |
| Efficacy | 74 | 71 | 73 | 64 | 71 | 64 | 64 | 63 | 61 | 63 | 67 | 64 | 66 | 62 | 65 | 64 | 65 | 65 | 62 | 65 | 72 | 51 | 39 | 57 |
| CBCP | 16796 | 8042 | 4918 | 1927 | 4150 | 2922 | 2328 | 1613 | 814 | 1409 | 1741 | 1556 | 1328 | 672 | 1123 | 859 | 817 | 763 | 474 | 764 | 419 | 203 | 157 | 567 |
| **3000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 942 | 914 | 933 | 820 | 905 | 820 | 820 | 801 | 782 | 811 | 858 | 820 | 848 | 792 | 829 | 820 | 839 | 829 | 792 | 839 | 924 | 650 | 500 | 735 |
| Efficacy | 79 | 76 | 78 | 68 | 75 | 68 | 68 | 67 | 65 | 68 | 71 | 68 | 71 | 66 | 69 | 68 | 70 | 69 | 66 | 70 | 77 | 54 | 42 | 61 |
| CBCP | 17931 | 8585 | 5250 | 2058 | 4430 | 3120 | 2485 | 1722 | 869 | 1504 | 1859 | 1661 | 1418 | 717 | 1199 | 918 | 872 | 814 | 506 | 816 | 448 | 217 | 168 | 605 |
| **3500K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 966 | 937 | 957 | 841 | 928 | 841 | 841 | 821 | 802 | 831 | 879 | 841 | 870 | 812 | 850 | 841 | 860 | 850 | 812 | 860 | 947 | 667 | 512 | 754 |
| Efficacy | 81 | 78 | 80 | 70 | 77 | 70 | 70 | 68 | 67 | 69 | 73 | 70 | 72 | 68 | 71 | 70 | 72 | 71 | 68 | 72 | 79 | 56 | 43 | 63 |
| CBCP | 18385 | 8802 | 5383 | 2110 | 4542 | 3199 | 2548 | 1766 | 891 | 1542 | 1906 | 1704 | 1453 | 735 | 1230 | 941 | 894 | 835 | 519 | 837 | 459 | 223 | 172 | 620 |
| **4000K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens/LF | 990 | 960 | 980 | 861 | 951 | 861 | 861 | 842 | 822 | 852 | 901 | 861 | 891 | 832 | 871 | 861 | 881 | 871 | 832 | 881 | 970 | 683 | 545 | 772 |
| Efficacy | 83 | 80 | 82 | 72 | 79 | 72 | 72 | 70 | 68 | 71 | 75 | 72 | 74 | 69 | 73 | 72 | 73 | 73 | 69 | 73 | 81 | 57 | 44 | 64 |
| CBCP | 18839 | 9020 | 5516 | 2162 | 4655 | 3278 | 2611 | 1809 | 913 | 1580 | 1953 | 1746 | 1489 | 753 | 1260 | 964 | 917 | 856 | 532 | 857 | 470 | 228 | 176 | 636 |

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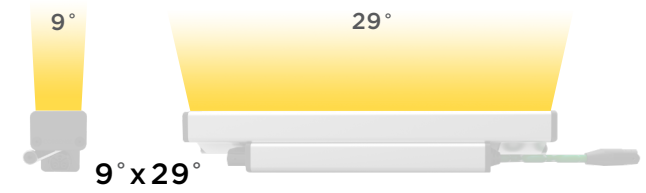
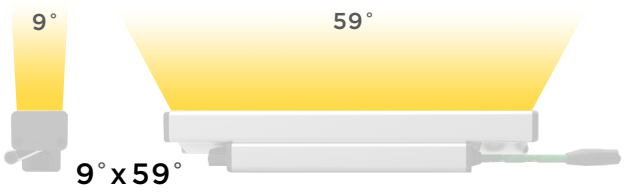
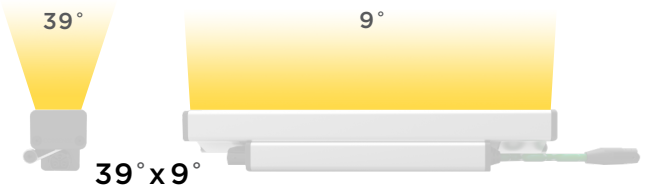
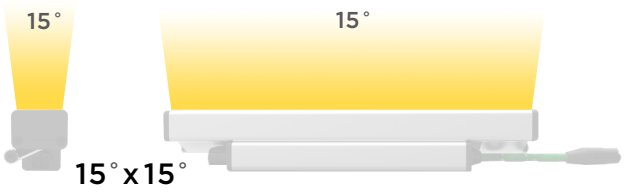
**FREEDOM TO CREATE™**

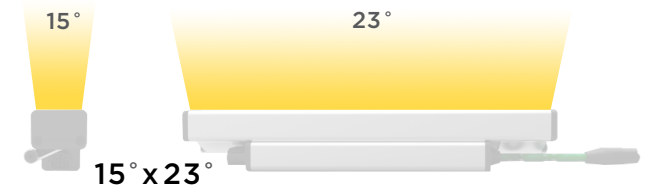
| DATE | PROJECT | FIRM | TYPE |
|---|---|---|---|
| | | | |

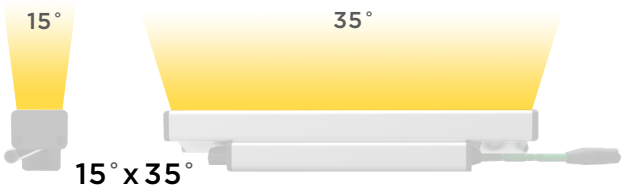


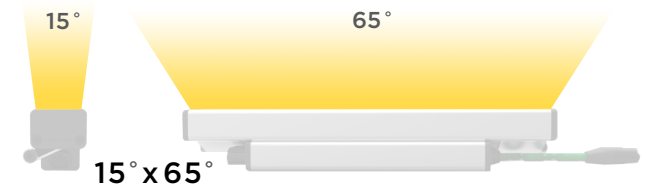



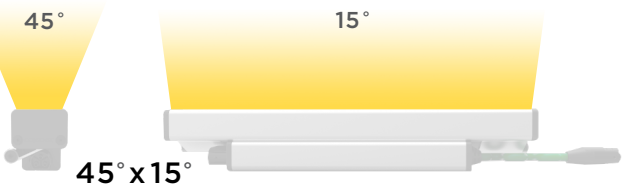



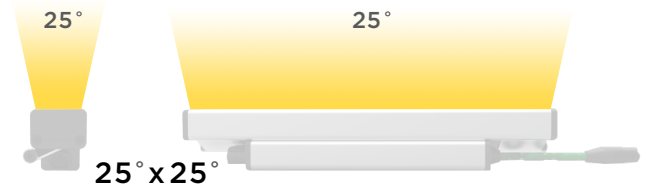



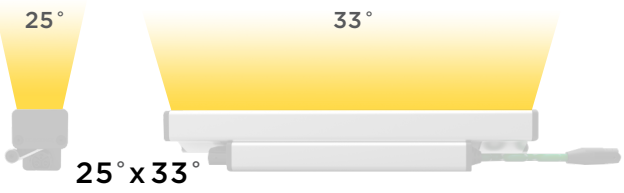



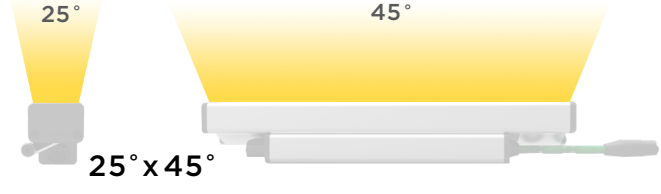



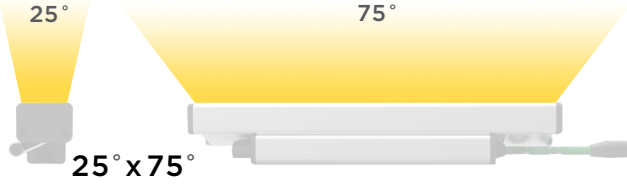

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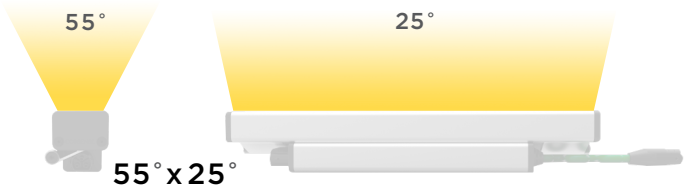


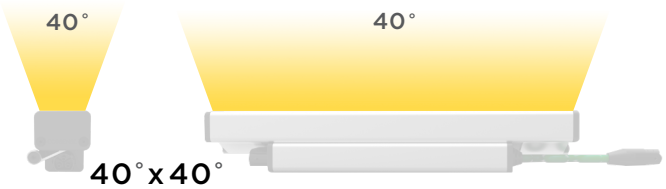


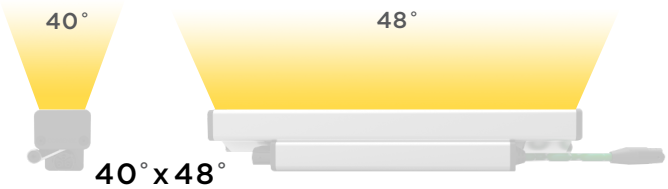


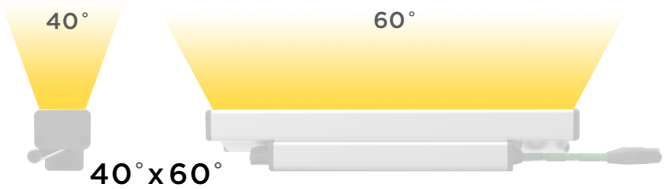


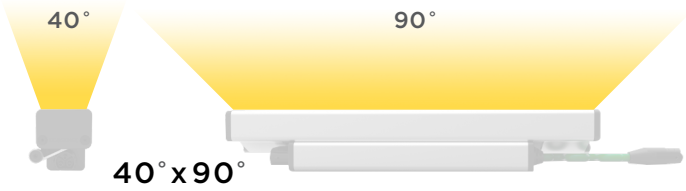


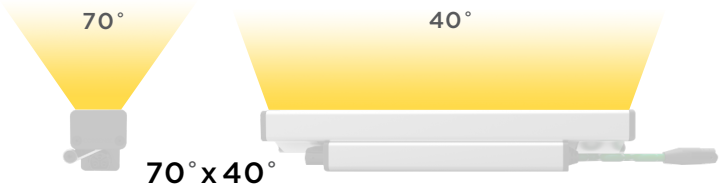


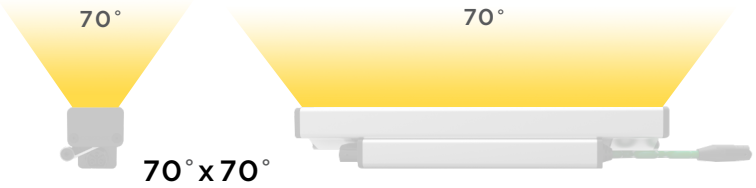

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