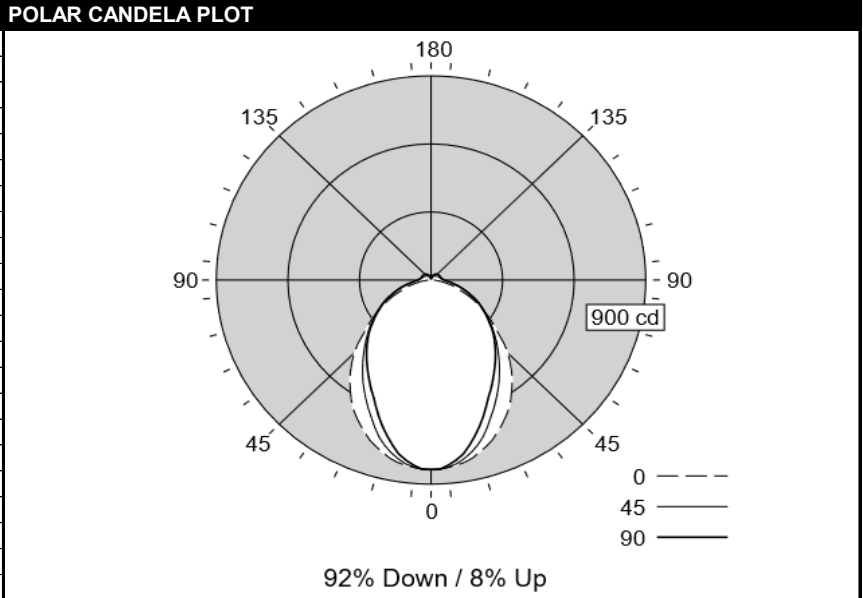


# LEDALITE - TG SUSPENDED/SURFACE/WALL MICRO

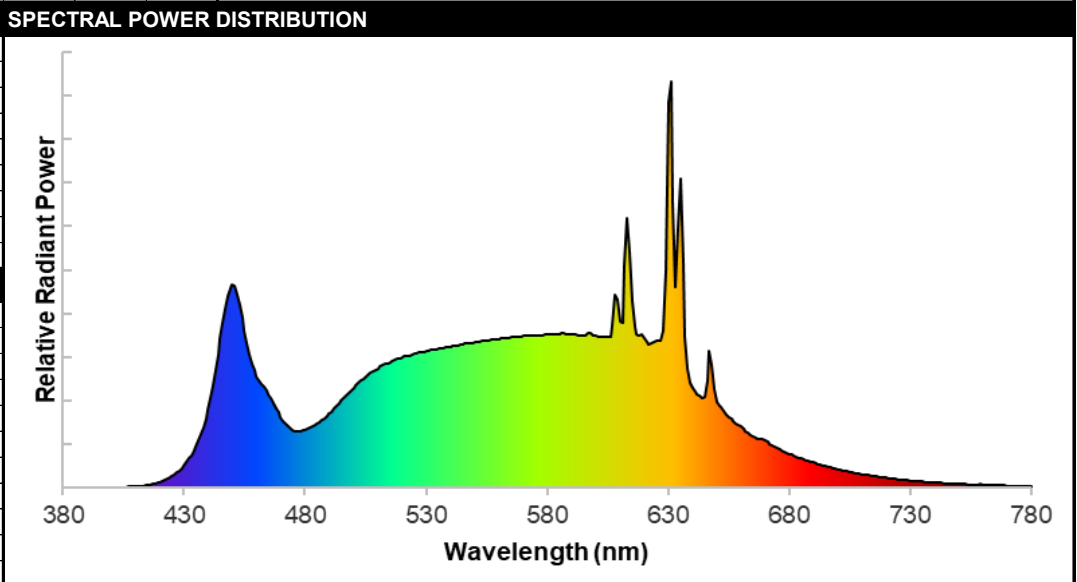
|                                |              |                                      |                        |
|--------------------------------|--------------|--------------------------------------|------------------------|
| <b>TEST DATE:</b>              | 21 Jul 2022  | <b>CATALOG NO:</b>                   | TMxxL940DNNNN20NNN     |
| <b>Lamp Type:</b>              | LED          | <b>Description:</b>                  | DROP 2000LM DOWN 940   |
| <b>No. of Lamps:</b>           | 96           |                                      |                        |
| <b>Rated Lamp Lumens:</b>      | -1           | <b>Flux (lm), Efficiency (%):</b>    | 2022 lm 100%           |
| <b>Input Watts:</b>            | 347 VAC 17.5 | <b>Up/Dn Ratio, Efficacy (lm/W):</b> | 92% Down / 8% Up 115.5 |
| <b>CIE-IES Classification:</b> | Direct       | <b>Report:</b>                       | LNG09010               |

| CANDELA DISTRIBUTION |     |      |     |      |     | Flux   |
|----------------------|-----|------|-----|------|-----|--------|
|                      | 0   | 22.5 | 45  | 67.5 | 90  | Lumens |
| 0                    | 836 | 836  | 836 | 836  | 836 |        |
| 5                    | 829 | 830  | 829 | 820  | 820 | 78     |
| 15                   | 786 | 773  | 754 | 715  | 711 | 210    |
| 25                   | 703 | 674  | 623 | 576  | 570 | 289    |
| 35                   | 590 | 544  | 500 | 463  | 466 | 319    |
| 45                   | 455 | 411  | 389 | 372  | 376 | 306    |
| 55                   | 306 | 287  | 294 | 284  | 288 | 261    |
| 65                   | 185 | 187  | 212 | 203  | 206 | 198    |
| 75                   | 90  | 109  | 135 | 128  | 130 | 127    |
| 85                   | 22  | 48   | 74  | 70   | 71  | 67     |
| 90                   | 7   | 31   | 55  | 56   | 54  |        |
| 95                   | 7   | 30   | 47  | 50   | 48  | 42     |
| 105                  | 5   | 23   | 38  | 42   | 41  | 34     |
| 115                  | 4   | 19   | 34  | 40   | 41  | 29     |
| 125                  | 4   | 16   | 30  | 38   | 39  | 23     |
| 135                  | 4   | 12   | 25  | 34   | 36  | 18     |
| 145                  | 4   | 9    | 21  | 29   | 31  | 12     |
| 155                  | 5   | 7    | 15  | 22   | 24  | 7      |
| 165                  | 5   | 6    | 8   | 13   | 13  | 3      |
| 175                  | 5   | 5    | 6   | 6    | 6   | 1      |
| 180                  | 5   | 5    | 5   | 5    | 5   |        |



| CHARACTERISTICS   |  |        |        |       | COEFFICIENTS OF UTILIZATION (%) |                                      |       |     |     |     |     |     |     |     |     |     |     |     |    |
|---|--|--------|--------|-------|---------------------------------|--------------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RP1   |  |        |        |       | None                            |                                      | Pc--- | 80  |     |     |     | 70  |     |     | 50  |     |     | 0   |    |
| Direct: Peak Candela & Angle (0°)   |  |        |        |       | 835.7                           | 0.0                                  | Pw--- | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 50  | 30  | 10  | 0   |    |
| Direct: Peak Candela & Angle (90°)  |  |        |        |       | 835.7                           | 0.0                                  | RCR   |     |     |     |     |     |     |     |     |     |     |     |    |
| Spacing Criteria (0°, 90°, 180°)  |  |        |        |       | 1.17                            | 0.95                                 | N/A   | 0   | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 107 | 107 | 107 | 92 |
| Beam (H, V), Field (H, V)   |  | 80.6   | 94.8   | 165.7 | 152.0                           | 0                                    | 107   | 102 | 97  | 93  | 103 | 99  | 95  | 93  | 90  | 87  | 76  |     |    |
| Indirect: Peak Candela & Angle(°)   |  |        |        |       | 54.3                            | 90.0                                 | 2     | 97  | 89  | 82  | 77  | 94  | 86  | 80  | 82  | 76  | 72  | 64  |    |
| Indirect: Zenith Candela, Peak to Zenith  |  |        |        |       | 5.3                             | 10.25                                | 3     | 89  | 79  | 71  | 64  | 86  | 76  | 69  | 72  | 66  | 61  | 54  |    |
| Luminous Width, Length, Height (ft)   |  | 0.14   | 4.00   | 0.08  | 4                               | 82                                   | 70    | 61  | 55  | 79  | 68  | 60  | 65  | 58  | 53  | 47  |     |     |    |
| DLC, UGR (4H x 8H, 1.0H), MDER  |  |        |        |       | N/A                             | 23.0                                 | 0.649 | 5   | 75  | 63  | 54  | 48  | 73  | 61  | 53  | 58  | 51  | 46  | 41 |
| x, y, CCT, D <sub>uv</sub>  |  | 0.3824 | 0.3798 | 3969  | 0.0008                          | 6                                    | 70    | 57  | 48  | 42  | 67  | 56  | 47  | 53  | 46  | 40  | 36  |     |    |
| CRI (R <sub>a</sub> ), R <sub>g</sub> , G <sub>a</sub> , C <sub>g</sub>           |  | 93     | 64     | 99    | 93                              | 7                                    | 65    | 52  | 43  | 37  | 63  | 51  | 43  | 48  | 41  | 36  | 32  |     |    |
| TM-30-18 R <sub>f</sub> , R <sub>g,h1</sub> , R <sub>g</sub> , R <sub>cs,h1</sub> |  | 91     | 91     | 100   | -5%                             | 8                                    | 61    | 47  | 39  | 34  | 59  | 46  | 39  | 44  | 37  | 33  | 29  |     |    |
| 120V: P(W), I(A), THD(%), PF  |  | 17.4   | 0.146  | 9.2   | 0.994                           | 9                                    | 57    | 44  | 36  | 30  | 55  | 43  | 35  | 41  | 34  | 29  | 27  |     |    |
| 277V: P(W), I(A), THD(%), PF  |  | 17.5   | 0.066  | 13.6  | 0.957                           | 10                                   | 53    | 40  | 33  | 28  | 52  | 40  | 32  | 38  | 31  | 27  | 24  |     |    |
| 347V: P(W), I(A), THD(%), PF  |  | 17.5   | 0.052  | 10.7  | 0.967                           | *Based on a floor reflectance of 0.2 |       |     |     |     |     |     |     |     |     |     |     |     |    |

| ZONAL LUMENS (lm) |        |          |        |
|-------------------|--------|----------|--------|
| Zone              | Lumens | %Fixture | %Lamp  |
| 0-30              | 577    | 28.5%    | 28.5%  |
| 0-40              | 895    | 44.3%    | 44.3%  |
| 0-60              | 1462   | 72.3%    | 72.3%  |
| 0-90              | 1854   | 91.7%    | 91.7%  |
| 90-130            | 128    | 6.3%     | 6.3%   |
| 90-150            | 158    | 7.8%     | 7.8%   |
| 90-180            | 168    | 8.3%     | 8.3%   |
| 0-180             | 2022   | 100.0%   | 100.0% |

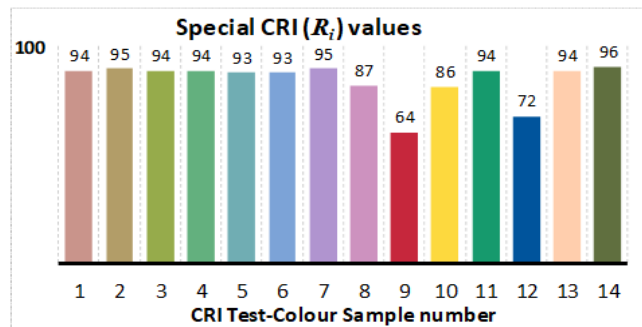
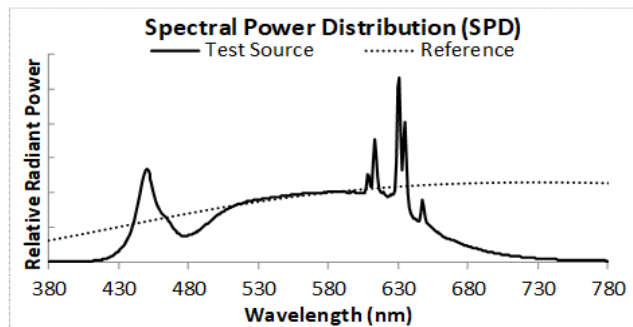


| AVG LUMINANCE (cd/m <sup>2</sup> ) |       |       |       |
|------------------------------------|-------|-------|-------|
|                                    | 0     | 45    | 90    |
| 0                                  | 16057 | 16057 | 16057 |
| 5                                  | 15969 | 15421 | 15070 |
| 15                                 | 15552 | 13484 | 12269 |
| 25                                 | 14775 | 11060 | 9538  |
| 35                                 | 13653 | 9066  | 7812  |
| 45                                 | 12108 | 7449  | 6505  |
| 55                                 | 9960  | 6166  | 5316  |
| 65                                 | 8069  | 5086  | 4215  |
| 75                                 | 6245  | 3899  | 3078  |
| 85                                 | 3948  | 2830  | 2075  |

# Output of GLA Calculation Tool for CIE 13.3 CRI and Associated CRI-based Colour Rendition Properties

|              |             |               |                     |
|--------------|-------------|---------------|---------------------|
| Test Number: | T20201108   | Manufacturer: | Ledalite by Signify |
| Date:        | 27 Aug 2020 | Model:        | TruGroove Suspended |

|   |        |                                       |        |
|---|--------|---------------------------------------|--------|
| Correlated Colour Temperature ( $T_{cp}$ ) in K | 3969   | CIE1931 chromaticity coordinate, $x$  | 0.3824 |
| Distance to Blackbody Locus ( $D_{uv}$ )        | 0.0008 | CIE1931 chromaticity coordinate, $y$  | 0.3798 |
| General Colour Rendering Index ( $R_a$ )        | 93     | CIE1976 chromaticity coordinate, $u'$ | 0.2252 |
| Red Rendering Index ( $R_9$ )                   | 64     | CIE1976 chromaticity coordinate, $v'$ | 0.5032 |
| Colour Gamut Index ( $G_a$ )                    | 99     |                                       |        |
| Red Chroma Index ( $C_9$ )                      | 93     |                                       |        |



# ANSI/IES TM-30-18 Color Rendition Report

Source: T20201108

Manufacturer: Ledalite by Signify

Date: 27 Aug 2020

Model: TruGroove Suspended



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

$x$  0.3824

$y$  0.3798

$u'$  0.2252

$v'$  0.5032

## SPECTRAL POWER DISTRIBUTION

| λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     | λ (nm) | SPD     |
|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| 380    | 0.00020 | 425    | 0.00530 | 470    | 0.03250 | 515    | 0.05770 | 560    | 0.06820 | 605    | 0.06890 | 650    | 0.03930 | 695    | 0.00990 | 740    | 0.00240 |
| 381    | 0.00020 | 426    | 0.00600 | 471    | 0.03070 | 516    | 0.05820 | 561    | 0.06850 | 606    | 0.06900 | 651    | 0.03780 | 696    | 0.00960 | 741    | 0.00230 |
| 382    | 0.00020 | 427    | 0.00690 | 472    | 0.02910 | 517    | 0.05860 | 562    | 0.06870 | 607    | 0.07430 | 652    | 0.03700 | 697    | 0.00920 | 742    | 0.00220 |
| 383    | 0.00010 | 428    | 0.00790 | 473    | 0.02790 | 518    | 0.05900 | 563    | 0.06870 | 608    | 0.08870 | 653    | 0.03530 | 698    | 0.00900 | 743    | 0.00210 |
| 384    | 0.00010 | 429    | 0.00900 | 474    | 0.02700 | 519    | 0.05940 | 564    | 0.06890 | 609    | 0.08630 | 654    | 0.03370 | 699    | 0.00870 | 744    | 0.00210 |
| 385    | 0.00010 | 430    | 0.01020 | 475    | 0.02640 | 520    | 0.05990 | 565    | 0.06900 | 610    | 0.07610 | 655    | 0.03250 | 700    | 0.00850 | 745    | 0.00200 |
| 386    | 0.00010 | 431    | 0.01160 | 476    | 0.02610 | 521    | 0.06030 | 566    | 0.06910 | 611    | 0.07560 | 656    | 0.03170 | 701    | 0.00820 | 746    | 0.00190 |
| 387    | 0.00010 | 432    | 0.01330 | 477    | 0.02600 | 522    | 0.06070 | 567    | 0.06910 | 612    | 0.10200 | 657    | 0.03040 | 702    | 0.00790 | 747    | 0.00190 |
| 388    | 0.00020 | 433    | 0.01490 | 478    | 0.02610 | 523    | 0.06070 | 568    | 0.06940 | 613    | 0.12380 | 658    | 0.02920 | 703    | 0.00770 | 748    | 0.00190 |
| 389    | 0.00010 | 434    | 0.01690 | 479    | 0.02620 | 524    | 0.06120 | 569    | 0.06940 | 614    | 0.10790 | 659    | 0.02850 | 704    | 0.00740 | 749    | 0.00180 |
| 390    | 0.00010 | 435    | 0.01900 | 480    | 0.02660 | 525    | 0.06140 | 570    | 0.06960 | 615    | 0.08550 | 660    | 0.02800 | 705    | 0.00720 | 750    | 0.00170 |
| 391    | 0.00010 | 436    | 0.02160 | 481    | 0.02720 | 526    | 0.06180 | 571    | 0.06960 | 616    | 0.07390 | 661    | 0.02700 | 706    | 0.00700 | 751    | 0.00170 |
| 392    | 0.00010 | 437    | 0.02460 | 482    | 0.02760 | 527    | 0.06200 | 572    | 0.06960 | 617    | 0.07020 | 662    | 0.02590 | 707    | 0.00680 | 752    | 0.00170 |
| 393    | 0.00010 | 438    | 0.02780 | 483    | 0.02830 | 528    | 0.06220 | 573    | 0.06970 | 618    | 0.06970 | 663    | 0.02500 | 708    | 0.00660 | 753    | 0.00160 |
| 394    | 0.00010 | 439    | 0.03170 | 484    | 0.02880 | 529    | 0.06240 | 574    | 0.06970 | 619    | 0.07020 | 664    | 0.02430 | 709    | 0.00640 | 754    | 0.00150 |
| 395    | 0.00010 | 440    | 0.03600 | 485    | 0.02950 | 530    | 0.06270 | 575    | 0.06980 | 620    | 0.06840 | 665    | 0.02370 | 710    | 0.00610 | 755    | 0.00150 |
| 396    | 0.00010 | 441    | 0.04130 | 486    | 0.03020 | 531    | 0.06300 | 576    | 0.06990 | 621    | 0.06700 | 666    | 0.02310 | 711    | 0.00600 | 756    | 0.00140 |
| 397    | 0.00010 | 442    | 0.04700 | 487    | 0.03110 | 532    | 0.06310 | 577    | 0.07010 | 622    | 0.06570 | 667    | 0.02250 | 712    | 0.00580 | 757    | 0.00140 |
| 398    | 0.00020 | 443    | 0.05400 | 488    | 0.03190 | 533    | 0.06340 | 578    | 0.06990 | 623    | 0.06620 | 668    | 0.02210 | 713    | 0.00560 | 758    | 0.00130 |
| 399    | 0.00020 | 444    | 0.06100 | 489    | 0.03290 | 534    | 0.06360 | 579    | 0.07010 | 624    | 0.06700 | 669    | 0.02220 | 714    | 0.00540 | 759    | 0.00170 |
| 400    | 0.00020 | 445    | 0.06840 | 490    | 0.03410 | 535    | 0.06370 | 580    | 0.07020 | 625    | 0.06720 | 670    | 0.02170 | 715    | 0.00520 | 760    | 0.00130 |
| 401    | 0.00020 | 446    | 0.07550 | 491    | 0.03490 | 536    | 0.06400 | 581    | 0.07020 | 626    | 0.06740 | 671    | 0.02090 | 716    | 0.00510 | 761    | 0.00120 |
| 402    | 0.00020 | 447    | 0.08220 | 492    | 0.03630 | 537    | 0.06420 | 582    | 0.07030 | 627    | 0.06730 | 672    | 0.02010 | 717    | 0.00490 | 762    | 0.00120 |
| 403    | 0.00020 | 448    | 0.08800 | 493    | 0.03740 | 538    | 0.06430 | 583    | 0.07030 | 628    | 0.07190 | 673    | 0.01930 | 718    | 0.00480 | 763    | 0.00120 |
| 404    | 0.00020 | 449    | 0.09170 | 494    | 0.03870 | 539    | 0.06450 | 584    | 0.07050 | 629    | 0.09990 | 674    | 0.01870 | 719    | 0.00460 | 764    | 0.00110 |
| 405    | 0.00030 | 450    | 0.09340 | 495    | 0.03990 | 540    | 0.06470 | 585    | 0.07060 | 630    | 0.17700 | 675    | 0.01810 | 720    | 0.00450 | 765    | 0.00110 |
| 406    | 0.00030 | 451    | 0.09250 | 496    | 0.04120 | 541    | 0.06510 | 586    | 0.07080 | 631    | 0.18640 | 676    | 0.01750 | 721    | 0.00430 | 766    | 0.00100 |
| 407    | 0.00040 | 452    | 0.08880 | 497    | 0.04240 | 542    | 0.06520 | 587    | 0.07070 | 632    | 0.13060 | 677    | 0.01700 | 722    | 0.00420 | 767    | 0.00100 |
| 408    | 0.00040 | 453    | 0.08410 | 498    | 0.04370 | 543    | 0.06540 | 588    | 0.07060 | 633    | 0.09200 | 678    | 0.01640 | 723    | 0.00410 | 768    | 0.00110 |
| 409    | 0.00050 | 454    | 0.07820 | 499    | 0.04480 | 544    | 0.06550 | 589    | 0.07040 | 634    | 0.11900 | 679    | 0.01600 | 724    | 0.00390 | 769    | 0.00100 |
| 410    | 0.00060 | 455    | 0.07210 | 500    | 0.04590 | 545    | 0.06580 | 590    | 0.07030 | 635    | 0.14160 | 680    | 0.01550 | 725    | 0.00380 | 770    | 0.00090 |
| 411    | 0.00070 | 456    | 0.06620 | 501    | 0.04700 | 546    | 0.06600 | 591    | 0.07020 | 636    | 0.10340 | 681    | 0.01500 | 726    | 0.00370 | 771    | 0.00090 |
| 412    | 0.00080 | 457    | 0.06110 | 502    | 0.04810 | 547    | 0.06610 | 592    | 0.07020 | 637    | 0.06940 | 682    | 0.01460 | 727    | 0.00360 | 772    | 0.00090 |
| 413    | 0.00090 | 458    | 0.05690 | 503    | 0.04910 | 548    | 0.06650 | 593    | 0.07000 | 638    | 0.05440 | 683    | 0.01420 | 728    | 0.00350 | 773    | 0.00090 |
| 414    | 0.00110 | 459    | 0.05380 | 504    | 0.05010 | 549    | 0.06640 | 594    | 0.06980 | 639    | 0.04830 | 684    | 0.01380 | 729    | 0.00330 | 774    | 0.00090 |
| 415    | 0.00120 | 460    | 0.05130 | 505    | 0.05090 | 550    | 0.06660 | 595    | 0.06950 | 640    | 0.04580 | 685    | 0.01340 | 730    | 0.00320 | 775    | 0.00080 |
| 416    | 0.00150 | 461    | 0.04930 | 506    | 0.05170 | 551    | 0.06700 | 596    | 0.06960 | 641    | 0.04410 | 686    | 0.01300 | 731    | 0.00310 | 776    | 0.00070 |
| 417    | 0.00160 | 462    | 0.04780 | 507    | 0.05270 | 552    | 0.06700 | 597    | 0.07090 | 642    | 0.04290 | 687    | 0.01260 | 732    | 0.00300 | 777    | 0.00070 |
| 418    | 0.00200 | 463    | 0.04640 | 508    | 0.05320 | 553    | 0.06720 | 598    | 0.07100 | 643    | 0.04200 | 688    | 0.01220 | 733    | 0.00300 | 778    | 0.00070 |
| 419    | 0.00230 | 464    | 0.04470 | 509    | 0.05410 | 554    | 0.06740 | 599    | 0.07000 | 644    | 0.04130 | 689    | 0.01180 | 734    | 0.00290 | 779    | 0.00070 |
| 420    | 0.00260 | 465    | 0.04290 | 510    | 0.05460 | 555    | 0.06760 | 600    | 0.06950 | 645    | 0.04140 | 690    | 0.01150 | 735    | 0.00280 | 780    | 0.00070 |
| 421    | 0.00300 | 466    | 0.04120 | 511    | 0.05550 | 556    | 0.06770 | 601    | 0.06930 | 646    | 0.04920 | 691    | 0.01120 | 736    | 0.00270 |        |         |
| 422    | 0.00340 | 467    | 0.03890 | 512    | 0.05610 | 557    | 0.06780 | 602    | 0.06900 | 647    | 0.06250 | 692    | 0.01080 | 737    | 0.00270 |        |         |
| 423    | 0.00400 | 468    | 0.03670 | 513    | 0.05670 | 558    | 0.06810 | 603    | 0.06920 | 648    | 0.05610 | 693    | 0.01050 | 738    | 0.00250 |        |         |
| 424    | 0.00460 | 469    | 0.03450 | 514    | 0.05710 | 559    | 0.06820 | 604    | 0.06930 | 649    | 0.04520 | 694    | 0.01020 | 739    | 0.00250 |        |         |

## UNIFIED GLARE RATING

| Reflectances   |      |                      |      |      |      |      |                    |      |      |      |      |
|----------------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| Ceiling Cavity |      | 70                   | 70   | 50   | 50   | 30   | 70                 | 70   | 50   | 50   | 30   |
| Walls          |      | 50                   | 30   | 50   | 30   | 30   | 50                 | 30   | 50   | 30   | 30   |
| Floor Cavity   |      | 20                   | 20   | 20   | 20   | 20   | 20                 | 20   | 20   | 20   | 20   |
| Room Size      |      | UGR Viewed Crosswise |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 16.8                 | 18.2 | 17.3 | 18.7 | 19.2 | 18.1               | 19.5 | 18.5 | 20.0 | 20.5 |
|                | 3H   | 18.0                 | 19.3 | 18.5 | 19.8 | 20.3 | 20.0               | 21.3 | 20.5 | 21.8 | 22.3 |
|                | 4H   | 18.4                 | 19.6 | 18.9 | 20.1 | 20.7 | 20.9               | 22.1 | 21.4 | 22.6 | 23.2 |
|                | 6H   | 18.6                 | 19.7 | 19.1 | 20.2 | 20.8 | 21.7               | 22.8 | 22.2 | 23.3 | 23.9 |
|                | 8H   | 18.6                 | 19.7 | 19.2 | 20.3 | 20.8 | 22.0               | 23.1 | 22.6 | 23.6 | 24.2 |
|                | 12H  | 18.7                 | 19.7 | 19.2 | 20.2 | 20.8 | 22.4               | 23.5 | 23.0 | 24.0 | 24.6 |
| 4H             | 2H   | 17.5                 | 18.7 | 18.0 | 19.2 | 19.8 | 18.5               | 19.7 | 19.0 | 20.2 | 20.8 |
|                | 3H   | 18.9                 | 20.0 | 19.5 | 20.5 | 21.1 | 20.6               | 21.7 | 21.2 | 22.2 | 22.8 |
|                | 4H   | 19.5                 | 20.4 | 20.0 | 21.0 | 21.6 | 21.6               | 22.5 | 22.2 | 23.1 | 23.7 |
|                | 6H   | 19.8                 | 20.6 | 20.4 | 21.2 | 21.8 | 22.5               | 23.4 | 23.1 | 23.9 | 24.6 |
|                | 8H   | 19.9                 | 20.6 | 20.4 | 21.2 | 21.9 | 23.0               | 23.7 | 23.6 | 24.3 | 25.0 |
|                | 12H  | 19.9                 | 20.6 | 20.5 | 21.2 | 21.9 | 23.5               | 24.2 | 24.1 | 24.8 | 25.4 |
| 8H             | 4H   | 19.9                 | 20.7 | 20.5 | 21.3 | 21.9 | 21.8               | 22.6 | 22.4 | 23.2 | 23.8 |
|                | 6H   | 20.4                 | 21.0 | 21.0 | 21.7 | 22.3 | 22.8               | 23.5 | 23.5 | 24.1 | 24.8 |
|                | 8H   | 20.5                 | 21.1 | 21.2 | 21.8 | 22.4 | 23.4               | 24.0 | 24.0 | 24.6 | 25.3 |
|                | 12H  | 20.6                 | 21.2 | 21.3 | 21.8 | 22.5 | 24.0               | 24.5 | 24.6 | 25.1 | 25.9 |
| 12H            | 4H   | 20.0                 | 20.7 | 20.6 | 21.3 | 22.0 | 21.8               | 22.5 | 22.4 | 23.1 | 23.8 |
|                | 6H   | 20.5                 | 21.1 | 21.2 | 21.7 | 22.4 | 22.9               | 23.5 | 23.5 | 24.1 | 24.8 |
|                | 8H   | 20.8                 | 21.3 | 21.4 | 21.9 | 22.6 | 23.5               | 24.0 | 24.1 | 24.6 | 25.4 |

The UGR values have been calculated according to CIE Publ. 117.

Spacing-to-Height-Ratio = 1.00.

The highlighted value refers to the UGR value which the luminaire would have in a reference situation with room dimensions of 4H/8H and degrees of reflectance of 20% for the floor, 50% for the walls and 70% for the ceiling, as recommended by DLC.

The UGR value may vary depending on application specific parameters.