

LEDALITE - TG RECESSED MICRO

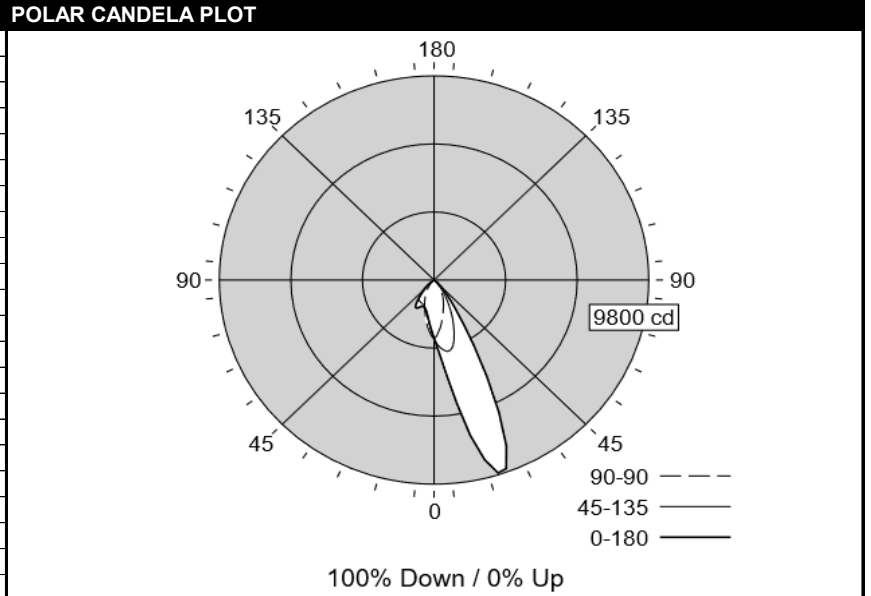


by @ignify

TEST DATE: 05 Feb 2022 CATALOG NO: 2301L935NWBFF40xx

| | | | |
|-------------------------|--------------|-------------------------------|-----------------------------|
| Lamp Type: | LED | Description: | BLK ASY LVR 4000LM DOWN 935 |
| No. of Lamps: | 96 | | |
| Rated Lamp Lumens: | -1 | Flux (lm), Efficiency (%): | 3177 lm 100% |
| Input Watts: | 120 VAC 30.9 | Up/Dn Ratio, Efficacy (lm/W): | 100% Down / 0% Up 102.8 |
| CIE-IES Classification: | Direct | Report: | LNG08565 |

| CANDELA DISTRIBUTION | | | | | | Flux |
|----------------------|------|------|------|------|------|--------|
| | 0 | 45 | 90 | 135 | 180 | Lumens |
| 0 | 2806 | 2806 | 2806 | 2806 | 2806 | |
| 5 | 3826 | 3257 | 2467 | 2208 | 2153 | 264 |
| 15 | 8931 | 3306 | 1595 | 1459 | 1465 | 810 |
| 25 | 7017 | 1987 | 979 | 1263 | 1395 | 989 |
| 35 | 1759 | 809 | 507 | 1193 | 1453 | 669 |
| 45 | 474 | 191 | 203 | 771 | 598 | 340 |
| 55 | 30 | 53 | 66 | 174 | 38 | 94 |
| 65 | 4 | 7 | 6 | 10 | 5 | 10 |
| 75 | 1 | 1 | 2 | 2 | 0 | 2 |
| 85 | 0 | 0 | 1 | 1 | 0 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 | |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | 0 | 0 | |

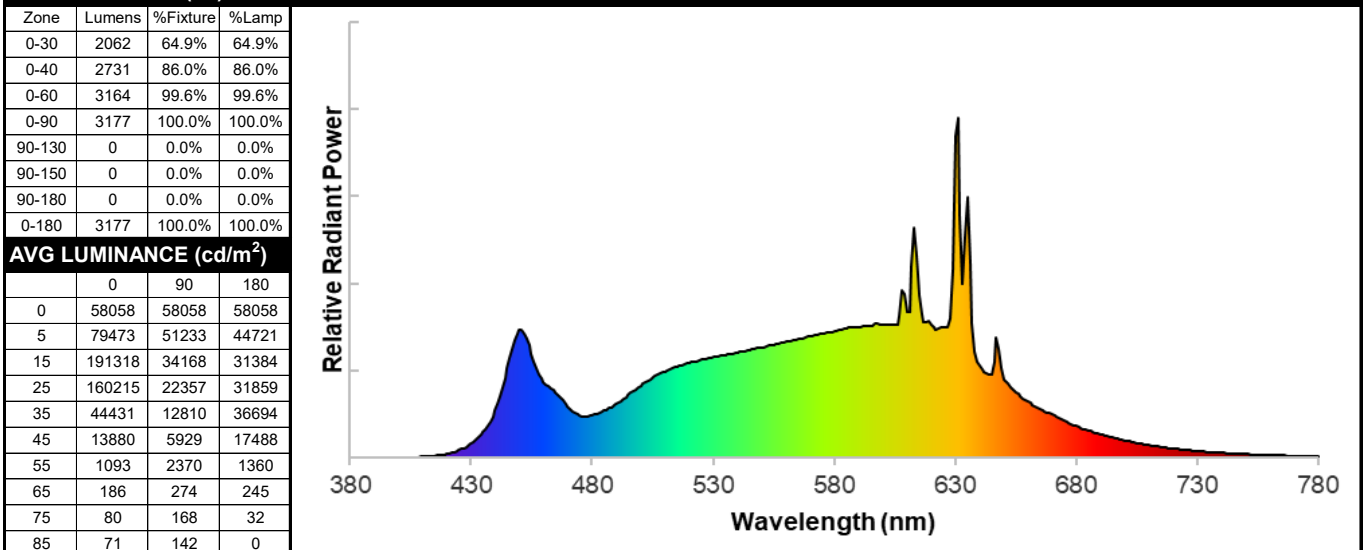


| CHARACTERISTICS | | | | | | COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | |
|--|---|--------|-------|---------|--|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RP1 | Meets RP-1-12 recommendations for VDT-Critical spaces | | | | | Pc--- | 80 | | | | 70 | | | 50 | | | 0 |
| Direct: Peak Candela & Angle (0°) | 9711.2 | 17.5 | | | | Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 |
| Direct: Peak Candela & Angle (180°) | 2805.8 | 0.0 | | | | RCR | | | | | | | | | | | |
| Spacing Criteria (0°, 90°, 180°) | 1.30 | 0.55 | 0.48 | | | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 100 |
| Beam (H, V), Field (H, V) | 23.1 | 20.7 | 50.0 | 80.4 | | 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 102 | 100 | 93 |
| Indirect: Peak Candela & Angle(°) | N/A | N/A | | | | 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 97 | 94 | 91 | 86 |
| Indirect: Zenith Candela, Peak to Zenith | N/A | N/A | | | | 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 90 | 86 | 83 | 79 |
| Luminous Width, Length, Height (ft) | 4.00 | 0.13 | 0.00 | | | 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 84 | 80 | 76 | 73 |
| DLC, UGR (4H x 8H, 1.0H), MDER | N/A | 9.4 | 0.578 | | | 5 | 91 | 82 | 75 | 71 | 89 | 81 | 75 | 79 | 74 | 70 | 67 |
| x, y, CCT, D _{uv} | 0.4070 | 0.3906 | 3462 | -0.0004 | | 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 74 | 69 | 65 | 62 |
| CRI (R _a), R _g , G _a , C _g | 93 | 59 | 99 | 93 | | 7 | 81 | 71 | 65 | 60 | 80 | 71 | 64 | 69 | 64 | 60 | 58 |
| TM-30-18 R _f , R _h , R _a , R _g , R _h , R _a | 91 | 90 | 99 | -6% | | 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 65 | 60 | 56 | 54 |
| 120V: P(W), I(A), THD(%), PF | 30.9 | 0.259 | 8.6 | 0.995 | | 9 | 73 | 63 | 56 | 52 | 72 | 62 | 56 | 61 | 56 | 52 | 50 |
| 277V: P(W), I(A), THD(%), PF | 30.9 | 0.116 | 14.0 | 0.959 | | 10 | 69 | 59 | 53 | 49 | 68 | 59 | 53 | 58 | 52 | 49 | 47 |
| 347V: P(W), I(A), THD(%), PF | 30.1 | 0.089 | 7.6 | 0.971 | | *Based on a floor reflectance of 0.2 | | | | | | | | | | | |

ZONAL LUMENS (lm)

| Zone | Lumens | %Fixture | %Lamp |
|--------|--------|----------|--------|
| 0-30 | 2062 | 64.9% | 64.9% |
| 0-40 | 2731 | 86.0% | 86.0% |
| 0-60 | 3164 | 99.6% | 99.6% |
| 0-90 | 3177 | 100.0% | 100.0% |
| 90-130 | 0 | 0.0% | 0.0% |
| 90-150 | 0 | 0.0% | 0.0% |
| 90-180 | 0 | 0.0% | 0.0% |
| 0-180 | 3177 | 100.0% | 100.0% |

SPECTRAL POWER DISTRIBUTION



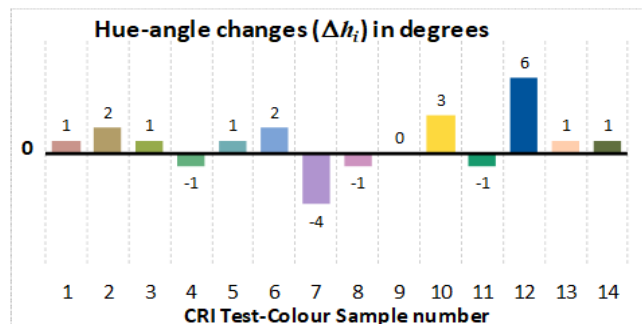
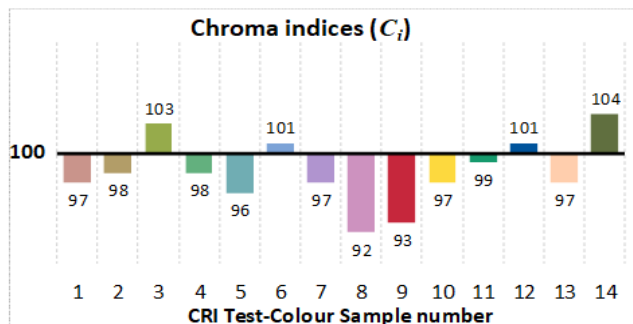
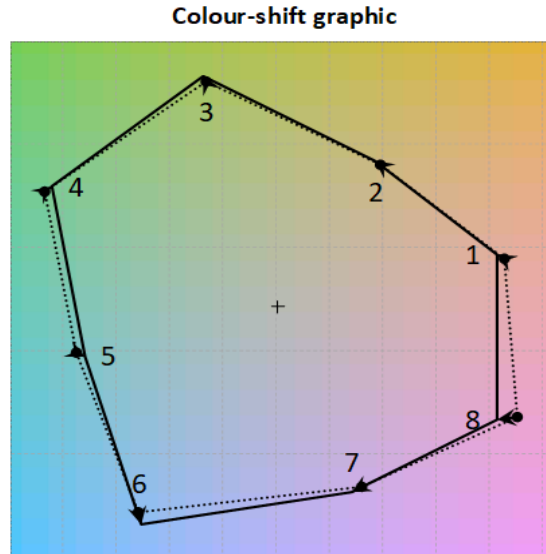
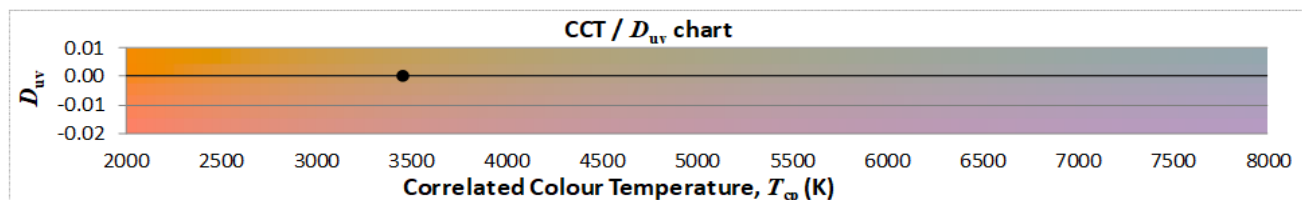
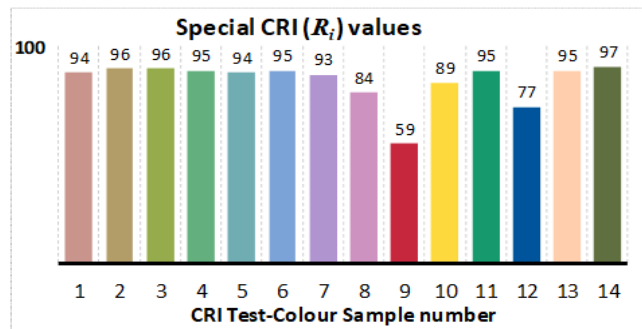
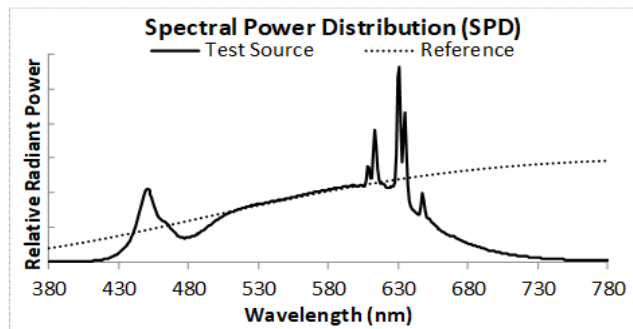
AVG LUMINANCE (cd/m²)

| | 0 | 90 | 180 |
|----|--------|-------|-------|
| 0 | 58058 | 58058 | 58058 |
| 5 | 79473 | 51233 | 44721 |
| 15 | 191318 | 34168 | 31384 |
| 25 | 160215 | 22357 | 31859 |
| 35 | 44431 | 12810 | 36694 |
| 45 | 13880 | 5929 | 17488 |
| 55 | 1093 | 2370 | 1360 |
| 65 | 186 | 274 | 245 |
| 75 | 80 | 168 | 32 |
| 85 | 71 | 142 | 0 |

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

| | | | |
|--------------|-------------|---------------|---------------------|
| Test Number: | T20201107 | Manufacturer: | Ledalite by Signify |
| Date: | 27 Aug 2020 | Model: | TruGroove Suspended |

| | | | |
|---|---------|---------------------------------------|--------|
| Correlated Colour Temperature (T_{cp}) in K | 3462 | CIE1931 chromaticity coordinate, x | 0.4070 |
| Distance to Blackbody Locus (D_{uv}) | -0.0004 | CIE1931 chromaticity coordinate, y | 0.3906 |
| General Colour Rendering Index (R_a) | 93 | CIE1976 chromaticity coordinate, u' | 0.2369 |
| Red Rendering Index (R_9) | 59 | CIE1976 chromaticity coordinate, v' | 0.5115 |
| Colour Gamut Index (G_a) | 99 | | |
| Red Chroma Index (C_9) | 93 | | |



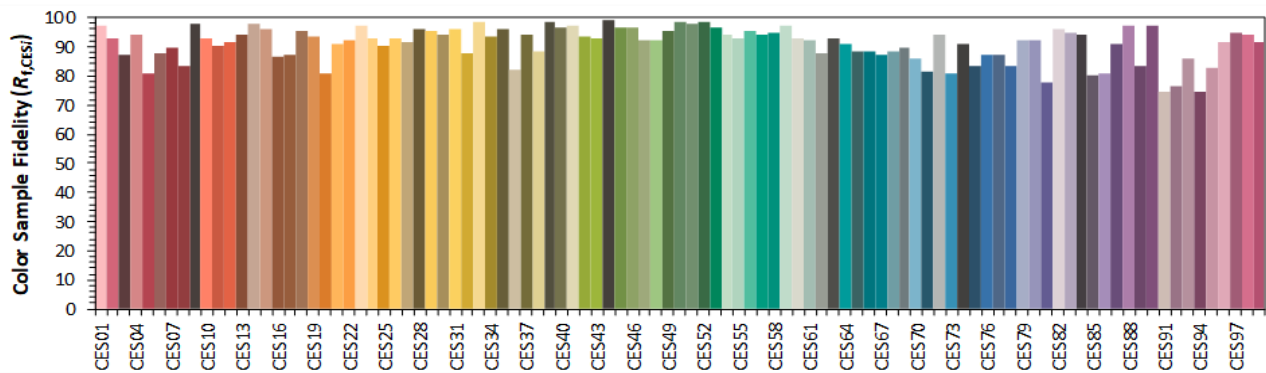
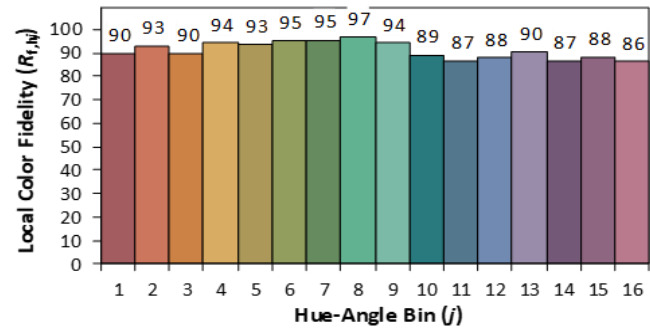
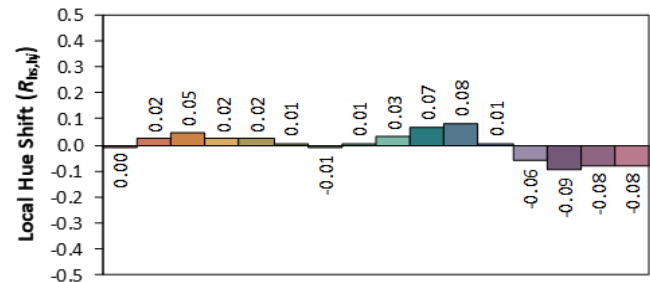
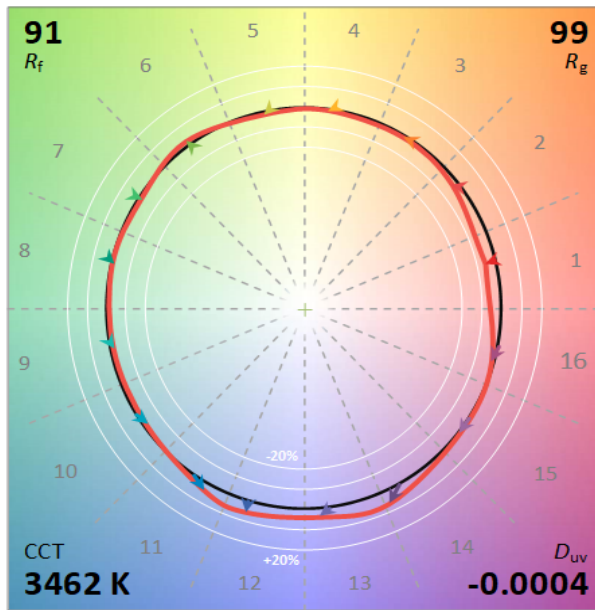
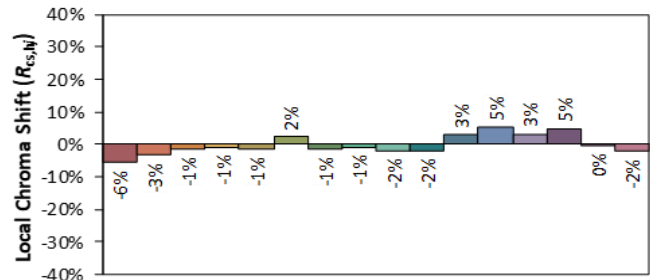
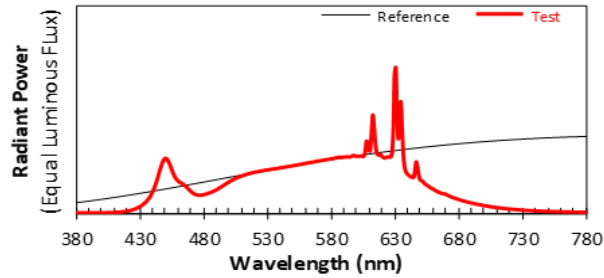
ANSI/IES TM-30-18 Color Rendition Report

Source: T20201107

Date: 27 Aug 2020

Manufacturer: Ledalite by Signify

Model: TruGroove Suspended



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

x 0.4070

y 0.3906

u' 0.2369

v' 0.5115

| 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 | 0.00010 | 425 | 0.00420 | 470 | 0.02950 | 515 | 0.05240 | 560 | 0.06640 | 605 | 0.07610 | 650 | 0.04490 | 695 | 0.01150 | 740 | 0.00270 |
| 381 | 0.00010 | 426 | 0.00480 | 471 | 0.02790 | 516 | 0.05270 | 561 | 0.06670 | 606 | 0.07630 | 651 | 0.04340 | 696 | 0.01120 | 741 | 0.00270 |
| 382 | 0.00010 | 427 | 0.00550 | 472 | 0.02640 | 517 | 0.05320 | 562 | 0.06710 | 607 | 0.08170 | 652 | 0.04260 | 697 | 0.01090 | 742 | 0.00250 |
| 383 | 0.00010 | 428 | 0.00630 | 473 | 0.02540 | 518 | 0.05360 | 563 | 0.06730 | 608 | 0.09630 | 653 | 0.04070 | 698 | 0.01050 | 743 | 0.00240 |
| 384 | 0.00010 | 429 | 0.00710 | 474 | 0.02460 | 519 | 0.05410 | 564 | 0.06770 | 609 | 0.09390 | 654 | 0.03880 | 699 | 0.01020 | 744 | 0.00240 |
| 385 | 0.00010 | 430 | 0.00800 | 475 | 0.02410 | 520 | 0.05460 | 565 | 0.06800 | 610 | 0.08380 | 655 | 0.03770 | 700 | 0.00990 | 745 | 0.00230 |
| 386 | 0.00010 | 431 | 0.00910 | 476 | 0.02370 | 521 | 0.05500 | 566 | 0.06820 | 611 | 0.08340 | 656 | 0.03670 | 701 | 0.00960 | 746 | 0.00230 |
| 387 | 0.00010 | 432 | 0.01020 | 477 | 0.02360 | 522 | 0.05520 | 567 | 0.06860 | 612 | 0.10960 | 657 | 0.03540 | 702 | 0.00930 | 747 | 0.00220 |
| 388 | 0.00020 | 433 | 0.01150 | 478 | 0.02370 | 523 | 0.05540 | 568 | 0.06910 | 613 | 0.13180 | 658 | 0.03390 | 703 | 0.00900 | 748 | 0.00210 |
| 389 | 0.00010 | 434 | 0.01300 | 479 | 0.02390 | 524 | 0.05590 | 569 | 0.06930 | 614 | 0.11580 | 659 | 0.03310 | 704 | 0.00870 | 749 | 0.00200 |
| 390 | 0.00010 | 435 | 0.01450 | 480 | 0.02420 | 525 | 0.05630 | 570 | 0.06980 | 615 | 0.09340 | 660 | 0.03240 | 705 | 0.00840 | 750 | 0.00200 |
| 391 | 0.00010 | 436 | 0.01650 | 481 | 0.02470 | 526 | 0.05640 | 571 | 0.06990 | 616 | 0.08180 | 661 | 0.03140 | 706 | 0.00820 | 751 | 0.00190 |
| 392 | 0.00010 | 437 | 0.01860 | 482 | 0.02520 | 527 | 0.05670 | 572 | 0.07020 | 617 | 0.07810 | 662 | 0.03020 | 707 | 0.00790 | 752 | 0.00190 |
| 393 | 0.00010 | 438 | 0.02090 | 483 | 0.02560 | 528 | 0.05710 | 573 | 0.07040 | 618 | 0.07780 | 663 | 0.02920 | 708 | 0.00760 | 753 | 0.00180 |
| 394 | 0.00010 | 439 | 0.02380 | 484 | 0.02620 | 529 | 0.05750 | 574 | 0.07080 | 619 | 0.07820 | 664 | 0.02840 | 709 | 0.00740 | 754 | 0.00180 |
| 395 | 0.00010 | 440 | 0.02710 | 485 | 0.02690 | 530 | 0.05760 | 575 | 0.07110 | 620 | 0.07640 | 665 | 0.02760 | 710 | 0.00720 | 755 | 0.00170 |
| 396 | 0.00010 | 441 | 0.03080 | 486 | 0.02760 | 531 | 0.05780 | 576 | 0.07150 | 621 | 0.07490 | 666 | 0.02700 | 711 | 0.00700 | 756 | 0.00170 |
| 397 | 0.00020 | 442 | 0.03520 | 487 | 0.02830 | 532 | 0.05810 | 577 | 0.07170 | 622 | 0.07360 | 667 | 0.02630 | 712 | 0.00670 | 757 | 0.00160 |
| 398 | 0.00010 | 443 | 0.04020 | 488 | 0.02890 | 533 | 0.05850 | 578 | 0.07200 | 623 | 0.07400 | 668 | 0.02590 | 713 | 0.00650 | 758 | 0.00160 |
| 399 | 0.00020 | 444 | 0.04540 | 489 | 0.02980 | 534 | 0.05870 | 579 | 0.07210 | 624 | 0.07490 | 669 | 0.02570 | 714 | 0.00630 | 759 | 0.00150 |
| 400 | 0.00010 | 445 | 0.05150 | 490 | 0.03080 | 535 | 0.05890 | 580 | 0.07250 | 625 | 0.07500 | 670 | 0.02520 | 715 | 0.00610 | 760 | 0.00140 |
| 401 | 0.00020 | 446 | 0.05730 | 491 | 0.03160 | 536 | 0.05930 | 581 | 0.07270 | 626 | 0.07520 | 671 | 0.02420 | 716 | 0.00590 | 761 | 0.00140 |
| 402 | 0.00020 | 447 | 0.06270 | 492 | 0.03270 | 537 | 0.05960 | 582 | 0.07320 | 627 | 0.07510 | 672 | 0.02350 | 717 | 0.00570 | 762 | 0.00140 |
| 403 | 0.00020 | 448 | 0.06760 | 493 | 0.03370 | 538 | 0.05960 | 583 | 0.07340 | 628 | 0.07960 | 673 | 0.02260 | 718 | 0.00560 | 763 | 0.00130 |
| 404 | 0.00030 | 449 | 0.07130 | 494 | 0.03480 | 539 | 0.06020 | 584 | 0.07390 | 629 | 0.10770 | 674 | 0.02180 | 719 | 0.00540 | 764 | 0.00130 |
| 405 | 0.00030 | 450 | 0.07330 | 495 | 0.03600 | 540 | 0.06050 | 585 | 0.07410 | 630 | 0.18510 | 675 | 0.02120 | 720 | 0.00520 | 765 | 0.00120 |
| 406 | 0.00030 | 451 | 0.07330 | 496 | 0.03710 | 541 | 0.06060 | 586 | 0.07450 | 631 | 0.19530 | 676 | 0.02050 | 721 | 0.00500 | 766 | 0.00120 |
| 407 | 0.00040 | 452 | 0.07150 | 497 | 0.03810 | 542 | 0.06100 | 587 | 0.07470 | 632 | 0.13860 | 677 | 0.01990 | 722 | 0.00480 | 767 | 0.00110 |
| 408 | 0.00040 | 453 | 0.06810 | 498 | 0.03930 | 543 | 0.06110 | 588 | 0.07480 | 633 | 0.09950 | 678 | 0.01930 | 723 | 0.00470 | 768 | 0.00120 |
| 409 | 0.00050 | 454 | 0.06430 | 499 | 0.04030 | 544 | 0.06150 | 589 | 0.07480 | 634 | 0.12660 | 679 | 0.01870 | 724 | 0.00460 | 769 | 0.00110 |
| 410 | 0.00050 | 455 | 0.05950 | 500 | 0.04140 | 545 | 0.06180 | 590 | 0.07490 | 635 | 0.14960 | 680 | 0.01820 | 725 | 0.00440 | 770 | 0.00110 |
| 411 | 0.00060 | 456 | 0.05510 | 501 | 0.04240 | 546 | 0.06210 | 591 | 0.07510 | 636 | 0.11130 | 681 | 0.01770 | 726 | 0.00430 | 771 | 0.00100 |
| 412 | 0.00070 | 457 | 0.05110 | 502 | 0.04330 | 547 | 0.06230 | 592 | 0.07520 | 637 | 0.07670 | 682 | 0.01710 | 727 | 0.00420 | 772 | 0.00100 |
| 413 | 0.00080 | 458 | 0.04770 | 503 | 0.04410 | 548 | 0.06280 | 593 | 0.07530 | 638 | 0.06120 | 683 | 0.01660 | 728 | 0.00400 | 773 | 0.00100 |
| 414 | 0.00100 | 459 | 0.04520 | 504 | 0.04510 | 549 | 0.06290 | 594 | 0.07530 | 639 | 0.05520 | 684 | 0.01610 | 729 | 0.00390 | 774 | 0.00100 |
| 415 | 0.00110 | 460 | 0.04340 | 505 | 0.04590 | 550 | 0.06330 | 595 | 0.07520 | 640 | 0.05250 | 685 | 0.01560 | 730 | 0.00380 | 775 | 0.00090 |
| 416 | 0.00130 | 461 | 0.04190 | 506 | 0.04680 | 551 | 0.06340 | 596 | 0.07560 | 641 | 0.05070 | 686 | 0.01520 | 731 | 0.00360 | 776 | 0.00090 |
| 417 | 0.00150 | 462 | 0.04080 | 507 | 0.04740 | 552 | 0.06380 | 597 | 0.07690 | 642 | 0.04940 | 687 | 0.01470 | 732 | 0.00350 | 777 | 0.00090 |
| 418 | 0.00170 | 463 | 0.03990 | 508 | 0.04820 | 553 | 0.06440 | 598 | 0.07730 | 643 | 0.04850 | 688 | 0.01430 | 733 | 0.00340 | 778 | 0.00090 |
| 419 | 0.00190 | 464 | 0.03900 | 509 | 0.04890 | 554 | 0.06440 | 599 | 0.07640 | 644 | 0.04780 | 689 | 0.01390 | 734 | 0.00330 | 779 | 0.00080 |
| 420 | 0.00220 | 465 | 0.03740 | 510 | 0.04950 | 555 | 0.06490 | 600 | 0.07610 | 645 | 0.04760 | 690 | 0.01340 | 735 | 0.00320 | 780 | 0.00080 |
| 421 | 0.00250 | 466 | 0.03610 | 511 | 0.05010 | 556 | 0.06510 | 601 | 0.07630 | 646 | 0.05540 | 691 | 0.01310 | 736 | 0.00310 | | |
| 422 | 0.00290 | 467 | 0.03440 | 512 | 0.05060 | 557 | 0.06530 | 602 | 0.07600 | 647 | 0.06860 | 692 | 0.01270 | 737 | 0.00300 | | |
| 423 | 0.00320 | 468 | 0.03270 | 513 | 0.05140 | 558 | 0.06580 | 603 | 0.07650 | 648 | 0.06220 | 693 | 0.01230 | 738 | 0.00290 | | |
| 424 | 0.00370 | 469 | 0.03100 | 514 | 0.05180 | 559 | 0.06610 | 604 | 0.07640 | 649 | 0.05100 | 694 | 0.01190 | 739 | 0.00280 | | |

| 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 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 10.1 | 11.2 | 10.4 | 11.8 |
| | 3H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.9 | 10.9 | 10.3 | 11.6 |
| | 4H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.8 | 10.7 | 10.2 | 11.4 |
| | 6H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.8 | 10.5 | 10.2 | 10.9 |
| | 8H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.7 | 10.4 | 10.1 | 10.8 |
| | 12H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.7 | 10.4 | 10.1 | 10.7 |
| 4H | 2H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.8 | 10.7 | 10.2 | 11.4 |
| | 3H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.7 | 10.4 | 10.1 | 10.8 |
| | 4H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.6 | 10.2 | 10.0 | 10.6 |
| | 6H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.5 | 10.0 | 10.0 | 10.5 |
| | 8H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.4 | 9.9 | 9.9 | 10.4 |
| | 12H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.4 | 9.8 | 9.9 | 10.3 |
| 8H | 4H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.4 | 9.9 | 9.9 | 10.4 |
| | 6H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.3 | 9.7 | 9.8 | 10.2 |
| | 8H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.2 | 9.6 | 9.8 | 10.1 |
| | 12H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.2 | 9.5 | 9.7 | 10.0 |
| 12H | 4H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.3 | 9.8 | 9.8 | 10.3 |
| | 6H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.2 | 9.6 | 9.8 | 10.1 |
| | 8H | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 9.2 | 9.5 | 9.7 | 10.0 |

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.