

LEDALITE - TG RECESSED MICRO

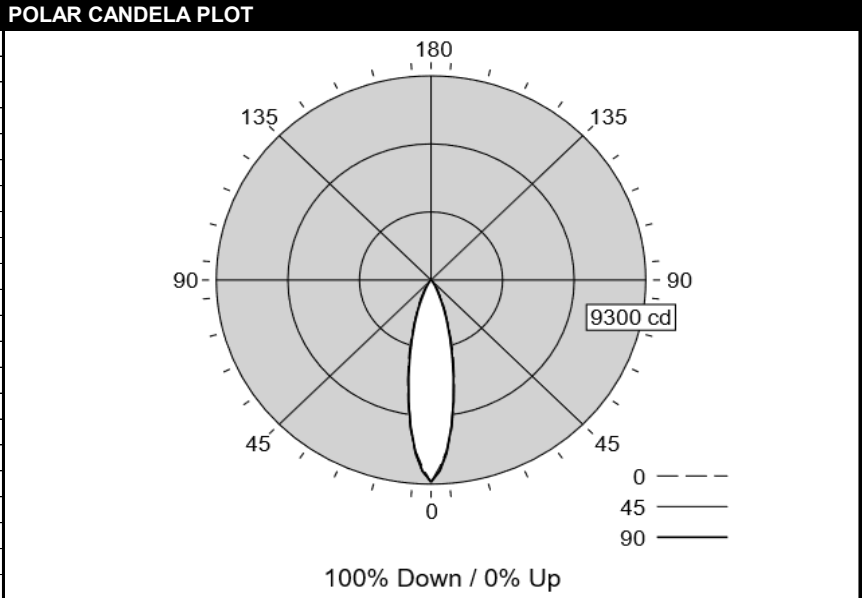


by @ignify

TEST DATE: 05 Feb 2022 CATALOG NO: 2301L927NRBFF30xx

| | | | |
|-------------------------|--------------|-------------------------------|-----------------------------|
| Lamp Type: | LED | Description: | BLK NRW LVR 3000LM DOWN 927 |
| No. of Lamps: | 96 | | |
| Rated Lamp Lumens: | -1 | Flux (lm), Efficiency (%): | 2613 lm 100% |
| Input Watts: | 277 VAC 23.3 | Up/Dn Ratio, Efficacy (lm/W): | 100% Down / 0% Up 112.1 |
| CIE-IES Classification: | Direct | Report: | LNG08378 |

| CANDELA DISTRIBUTION | | | | | | |
|----------------------|------|------|------|------|------|--------|
| | 0 | 22.5 | 45 | 67.5 | 90 | Lumens |
| 0 | 9208 | 9208 | 9208 | 9208 | 9208 | |
| 5 | 7798 | 8268 | 7936 | 8223 | 7823 | 698 |
| 15 | 3758 | 3945 | 3562 | 3972 | 3529 | 1047 |
| 25 | 1288 | 1340 | 1183 | 1201 | 1015 | 577 |
| 35 | 373 | 410 | 328 | 248 | 211 | 210 |
| 45 | 84 | 84 | 69 | 72 | 64 | 61 |
| 55 | 20 | 24 | 18 | 11 | 5 | 16 |
| 65 | 2 | 2 | 2 | 2 | 0 | 2 |
| 75 | 0 | 1 | 0 | 1 | 0 | 1 |
| 85 | 0 | 0 | 0 | 1 | 0 | 0 |
| 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 | |



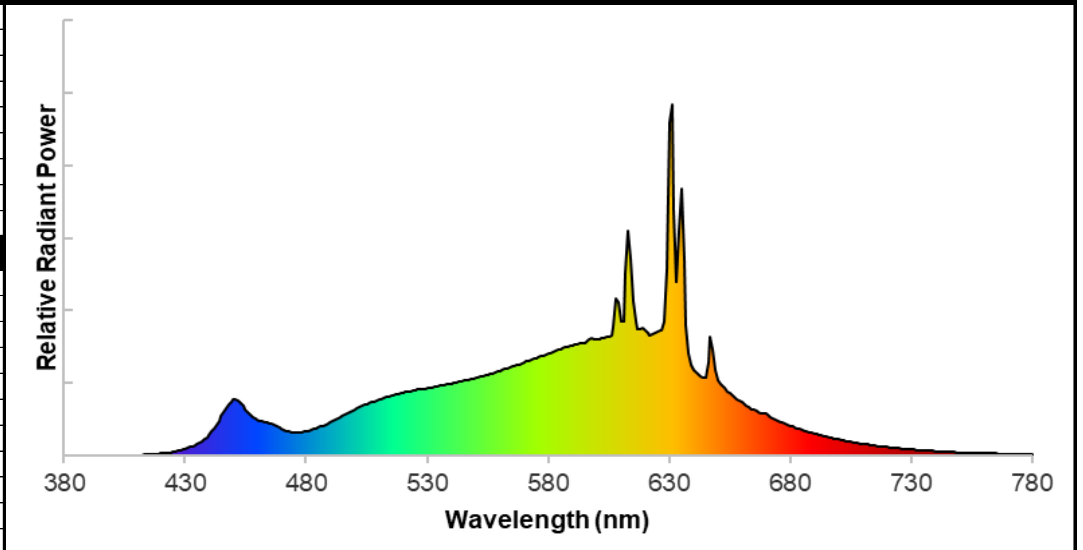
| CHARACTERISTICS | | | | | | COEFFICIENTS OF UTILIZATION (%) | | | | | | | | | | | | |
|---|---|--------|--------|------|---------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| RP1 | Meets RP-1-12 recommendations for VDT-Critical spaces | | | | | Pc--- | 80 | | | | 70 | | | 50 | | | 0 | |
| Direct: Peak Candela & Angle (0°) | | 9207.6 | 0.0 | | | Pw--- | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 0 | |
| Direct: Peak Candela & Angle (90°) | | 9207.6 | 0.0 | | | RCR | | | | | | | | | | | | |
| Spacing Criteria (0°, 90°, 180°) | | 0.42 | 0.41 | N/A | | 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 100 | |
| Beam (H, V), Field (H, V) | | 24.7 | 25.4 | 51.4 | 56.0 | 1 | 115 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 105 | 103 | 96 | |
| Indirect: Peak Candela & Angle(°) | | | N/A | N/A | | 2 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 101 | 99 | 97 | 91 | |
| Indirect: Zenith Candela, Peak to Zenith | | | N/A | N/A | | 3 | 106 | 101 | 97 | 94 | 104 | 100 | 96 | 97 | 94 | 92 | 87 | |
| Luminous Width, Length, Height (ft) | | 0.13 | 4.00 | 0.00 | | 4 | 102 | 96 | 92 | 88 | 101 | 95 | 91 | 93 | 90 | 87 | 84 | |
| DLC, UGR (4H x 8H, 1.0H), MDER | | | N/A | 3.4 | 0.445 | 5 | 99 | 92 | 87 | 84 | 97 | 91 | 87 | 89 | 86 | 83 | 80 | |
| x, y, CCT, D _{uv} | | 0.4580 | 0.4092 | 2715 | -0.0004 | 6 | 95 | 88 | 83 | 80 | 94 | 87 | 83 | 86 | 82 | 79 | 77 | |
| CRI (R _a), R _g , G _a , C _g | | 94 | 55 | 99 | 93 | 7 | 92 | 85 | 80 | 76 | 91 | 84 | 79 | 83 | 79 | 76 | 74 | |
| TM-30-18 R _f , R _{h1} , R _g , R _{cs,h1} | | 92 | 90 | 100 | -6% | 8 | 89 | 81 | 77 | 73 | 88 | 81 | 76 | 80 | 76 | 73 | 71 | |
| 120V: P(W), I(A), THD(%), PF | | 23.0 | 0.194 | 11.6 | 0.991 | 9 | 86 | 78 | 74 | 71 | 85 | 78 | 73 | 77 | 73 | 70 | 69 | |
| 277V: P(W), I(A), THD(%), PF | | 23.3 | 0.090 | 16.4 | 0.938 | 10 | 83 | 76 | 71 | 68 | 82 | 75 | 71 | 74 | 70 | 68 | 66 | |

ZONAL LUMENS (lm)

| Zone | Lumens | %Fixture | %Lamp |
|--------|--------|----------|--------|
| 0-30 | 2322 | 88.9% | 88.9% |
| 0-40 | 2532 | 96.9% | 96.9% |
| 0-60 | 2610 | 99.9% | 99.9% |
| 0-90 | 2613 | 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 | 2613 | 100.0% | 100.0% |

SPECTRAL POWER DISTRIBUTION

| AVG LUMINANCE (cd/m ²) | | | |
|------------------------------------|--------|--------|--------|
| | 0 | 45 | 90 |
| 0 | 190526 | 190526 | 190526 |
| 5 | 161983 | 164841 | 162500 |
| 15 | 80505 | 76315 | 75608 |
| 25 | 29395 | 27010 | 23167 |
| 35 | 9432 | 8293 | 5325 |
| 45 | 2452 | 2019 | 1873 |
| 55 | 732 | 660 | 180 |
| 65 | 83 | 83 | 20 |
| 75 | 32 | 16 | 0 |
| 85 | 47 | 47 | 0 |



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

| | | | |
|--------------|-------------|---------------|---------------------|
| Test Number: | T20201101 | Manufacturer: | Ledalite by Signify |
| Date: | 27 Aug 2020 | Model: | TruGroove Suspended |

| | | | |
|---|---------|---------------------------------------|--------|
| Correlated Colour Temperature (T_{cp}) in K | 2715 | CIE1931 chromaticity coordinate, x | 0.4580 |
| Distance to Blackbody Locus (D_{uv}) | -0.0004 | CIE1931 chromaticity coordinate, y | 0.4092 |
| General Colour Rendering Index (R_a) | 94 | CIE1976 chromaticity coordinate, u' | 0.2619 |
| Red Rendering Index (R_9) | 55 | CIE1976 chromaticity coordinate, v' | 0.5265 |
| Colour Gamut Index (G_a) | 99 | | |
| Red Chroma Index (C_9) | 93 | | |



ANSI/IES TM-30-18 Color Rendition Report

Source: T20201101

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 0.4580

y 0.4092

u' 0.2619

v' 0.5265

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 | 0.00260 | 470 | 0.01850 | 515 | 0.04130 | 560 | 0.05830 | 605 | 0.08170 | 650 | 0.05160 | 695 | 0.01310 | 740 | 0.00310 |
| 381 | 0.00010 | 426 | 0.00290 | 471 | 0.01770 | 516 | 0.04170 | 561 | 0.05910 | 606 | 0.08240 | 651 | 0.04950 | 696 | 0.01270 | 741 | 0.00300 |
| 382 | 0.00010 | 427 | 0.00330 | 472 | 0.01700 | 517 | 0.04210 | 562 | 0.05960 | 607 | 0.08930 | 652 | 0.04870 | 697 | 0.01230 | 742 | 0.00290 |
| 383 | 0.00020 | 428 | 0.00370 | 473 | 0.01650 | 518 | 0.04250 | 563 | 0.05990 | 608 | 0.10830 | 653 | 0.04640 | 698 | 0.01180 | 743 | 0.00280 |
| 384 | 0.00010 | 429 | 0.00410 | 474 | 0.01630 | 519 | 0.04300 | 564 | 0.06060 | 609 | 0.10550 | 654 | 0.04430 | 699 | 0.01160 | 744 | 0.00270 |
| 385 | 0.00010 | 430 | 0.00460 | 475 | 0.01610 | 520 | 0.04330 | 565 | 0.06130 | 610 | 0.09270 | 655 | 0.04280 | 700 | 0.01120 | 745 | 0.00260 |
| 386 | 0.00010 | 431 | 0.00520 | 476 | 0.01600 | 521 | 0.04360 | 566 | 0.06160 | 611 | 0.09280 | 656 | 0.04180 | 701 | 0.01080 | 746 | 0.00250 |
| 387 | 0.00000 | 432 | 0.00580 | 477 | 0.01600 | 522 | 0.04410 | 567 | 0.06230 | 612 | 0.12620 | 657 | 0.04010 | 702 | 0.01040 | 747 | 0.00250 |
| 388 | 0.00010 | 433 | 0.00640 | 478 | 0.01630 | 523 | 0.04420 | 568 | 0.06290 | 613 | 0.15460 | 658 | 0.03860 | 703 | 0.01010 | 748 | 0.00240 |
| 389 | 0.00010 | 434 | 0.00720 | 479 | 0.01650 | 524 | 0.04470 | 569 | 0.06350 | 614 | 0.13510 | 659 | 0.03750 | 704 | 0.00980 | 749 | 0.00230 |
| 390 | 0.00010 | 435 | 0.00800 | 480 | 0.01690 | 525 | 0.04510 | 570 | 0.06430 | 615 | 0.10650 | 660 | 0.03690 | 705 | 0.00950 | 750 | 0.00220 |
| 391 | 0.00010 | 436 | 0.00900 | 481 | 0.01720 | 526 | 0.04550 | 571 | 0.06480 | 616 | 0.09200 | 661 | 0.03570 | 706 | 0.00920 | 751 | 0.00210 |
| 392 | 0.00010 | 437 | 0.01010 | 482 | 0.01770 | 527 | 0.04560 | 572 | 0.06520 | 617 | 0.08760 | 662 | 0.03420 | 707 | 0.00900 | 752 | 0.00210 |
| 393 | 0.00010 | 438 | 0.01140 | 483 | 0.01820 | 528 | 0.04590 | 573 | 0.06590 | 618 | 0.08730 | 663 | 0.03310 | 708 | 0.00870 | 753 | 0.00200 |
| 394 | 0.00010 | 439 | 0.01270 | 484 | 0.01870 | 529 | 0.04620 | 574 | 0.06660 | 619 | 0.08850 | 664 | 0.03210 | 709 | 0.00830 | 754 | 0.00200 |
| 395 | 0.00010 | 440 | 0.01460 | 485 | 0.01940 | 530 | 0.04640 | 575 | 0.06720 | 620 | 0.08590 | 665 | 0.03130 | 710 | 0.00810 | 755 | 0.00190 |
| 396 | 0.00020 | 441 | 0.01650 | 486 | 0.02000 | 531 | 0.04690 | 576 | 0.06760 | 621 | 0.08440 | 666 | 0.03060 | 711 | 0.00790 | 756 | 0.00180 |
| 397 | 0.00010 | 442 | 0.01860 | 487 | 0.02050 | 532 | 0.04700 | 577 | 0.06840 | 622 | 0.08290 | 667 | 0.02980 | 712 | 0.00760 | 757 | 0.00180 |
| 398 | 0.00010 | 443 | 0.02120 | 488 | 0.02120 | 533 | 0.04750 | 578 | 0.06880 | 623 | 0.08380 | 668 | 0.02940 | 713 | 0.00730 | 758 | 0.00170 |
| 399 | 0.00010 | 444 | 0.02380 | 489 | 0.02200 | 534 | 0.04770 | 579 | 0.06960 | 624 | 0.08490 | 669 | 0.02930 | 714 | 0.00710 | 759 | 0.00170 |
| 400 | 0.00010 | 445 | 0.02700 | 490 | 0.02270 | 535 | 0.04810 | 580 | 0.07020 | 625 | 0.08550 | 670 | 0.02890 | 715 | 0.00690 | 760 | 0.00170 |
| 401 | 0.00010 | 446 | 0.02980 | 491 | 0.02360 | 536 | 0.04830 | 581 | 0.07090 | 626 | 0.08610 | 671 | 0.02770 | 716 | 0.00660 | 761 | 0.00150 |
| 402 | 0.00010 | 447 | 0.03280 | 492 | 0.02430 | 537 | 0.04870 | 582 | 0.07170 | 627 | 0.08620 | 672 | 0.02650 | 717 | 0.00640 | 762 | 0.00160 |
| 403 | 0.00020 | 448 | 0.03520 | 493 | 0.02520 | 538 | 0.04910 | 583 | 0.07210 | 628 | 0.09230 | 673 | 0.02570 | 718 | 0.00620 | 763 | 0.00150 |
| 404 | 0.00020 | 449 | 0.03700 | 494 | 0.02620 | 539 | 0.04930 | 584 | 0.07290 | 629 | 0.12890 | 674 | 0.02480 | 719 | 0.00610 | 764 | 0.00140 |
| 405 | 0.00020 | 450 | 0.03870 | 495 | 0.02710 | 540 | 0.04970 | 585 | 0.07340 | 630 | 0.22960 | 675 | 0.02390 | 720 | 0.00580 | 765 | 0.00150 |
| 406 | 0.00030 | 451 | 0.03870 | 496 | 0.02790 | 541 | 0.05010 | 586 | 0.07410 | 631 | 0.24150 | 676 | 0.02320 | 721 | 0.00560 | 766 | 0.00140 |
| 407 | 0.00020 | 452 | 0.03780 | 497 | 0.02880 | 542 | 0.05040 | 587 | 0.07480 | 632 | 0.16910 | 677 | 0.02260 | 722 | 0.00550 | 767 | 0.00130 |
| 408 | 0.00030 | 453 | 0.03640 | 498 | 0.02980 | 543 | 0.05070 | 588 | 0.07520 | 633 | 0.11930 | 678 | 0.02180 | 723 | 0.00530 | 768 | 0.00130 |
| 409 | 0.00030 | 454 | 0.03420 | 499 | 0.03070 | 544 | 0.05120 | 589 | 0.07560 | 634 | 0.15470 | 679 | 0.02120 | 724 | 0.00510 | 769 | 0.00130 |
| 410 | 0.00040 | 455 | 0.03200 | 500 | 0.03170 | 545 | 0.05150 | 590 | 0.07610 | 635 | 0.18400 | 680 | 0.02060 | 725 | 0.00500 | 770 | 0.00120 |
| 411 | 0.00040 | 456 | 0.02980 | 501 | 0.03240 | 546 | 0.05180 | 591 | 0.07620 | 636 | 0.13430 | 681 | 0.02000 | 726 | 0.00480 | 771 | 0.00120 |
| 412 | 0.00050 | 457 | 0.02790 | 502 | 0.03320 | 547 | 0.05230 | 592 | 0.07690 | 637 | 0.09020 | 682 | 0.01930 | 727 | 0.00460 | 772 | 0.00110 |
| 413 | 0.00060 | 458 | 0.02640 | 503 | 0.03400 | 548 | 0.05290 | 593 | 0.07720 | 638 | 0.07050 | 683 | 0.01880 | 728 | 0.00450 | 773 | 0.00110 |
| 414 | 0.00070 | 459 | 0.02540 | 504 | 0.03490 | 549 | 0.05330 | 594 | 0.07740 | 639 | 0.06280 | 684 | 0.01810 | 729 | 0.00440 | 774 | 0.00100 |
| 415 | 0.00080 | 460 | 0.02450 | 505 | 0.03560 | 550 | 0.05340 | 595 | 0.07780 | 640 | 0.05940 | 685 | 0.01770 | 730 | 0.00420 | 775 | 0.00100 |
| 416 | 0.00090 | 461 | 0.02370 | 506 | 0.03630 | 551 | 0.05390 | 596 | 0.07870 | 641 | 0.05730 | 686 | 0.01720 | 731 | 0.00410 | 776 | 0.00100 |
| 417 | 0.00100 | 462 | 0.02370 | 507 | 0.03690 | 552 | 0.05430 | 597 | 0.08050 | 642 | 0.05590 | 687 | 0.01660 | 732 | 0.00400 | 777 | 0.00100 |
| 418 | 0.00110 | 463 | 0.02330 | 508 | 0.03740 | 553 | 0.05490 | 598 | 0.08090 | 643 | 0.05470 | 688 | 0.01620 | 733 | 0.00380 | 778 | 0.00100 |
| 419 | 0.00120 | 464 | 0.02300 | 509 | 0.03830 | 554 | 0.05540 | 599 | 0.08030 | 644 | 0.05400 | 689 | 0.01570 | 734 | 0.00370 | 779 | 0.00090 |
| 420 | 0.00140 | 465 | 0.02230 | 510 | 0.03870 | 555 | 0.05590 | 600 | 0.08040 | 645 | 0.05410 | 690 | 0.01520 | 735 | 0.00360 | 780 | 0.00090 |
| 421 | 0.00160 | 466 | 0.02180 | 511 | 0.03920 | 556 | 0.05620 | 601 | 0.08030 | 646 | 0.06440 | 691 | 0.01480 | 736 | 0.00340 | | |
| 422 | 0.00180 | 467 | 0.02100 | 512 | 0.03990 | 557 | 0.05680 | 602 | 0.08080 | 647 | 0.08170 | 692 | 0.01430 | 737 | 0.00340 | | |
| 423 | 0.00200 | 468 | 0.02010 | 513 | 0.04050 | 558 | 0.05730 | 603 | 0.08140 | 648 | 0.07340 | 693 | 0.01390 | 738 | 0.00330 | | |
| 424 | 0.00230 | 469 | 0.01930 | 514 | 0.04080 | 559 | 0.05770 | 604 | 0.08170 | 649 | 0.05920 | 694 | 0.01360 | 739 | 0.00320 | | |

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 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 3H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 4H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 6H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 8H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 12H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| 4H | 2H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 3H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 4H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 6H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 8H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 12H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| 8H | 4H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 6H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 8H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 12H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| 12H | 4H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 6H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| | 8H | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |

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.