

Photometric test report

Family
Scriptus®

Order number: **5MZ214D0TWA**
EAN: **4058352124062**

LP number
57444_5



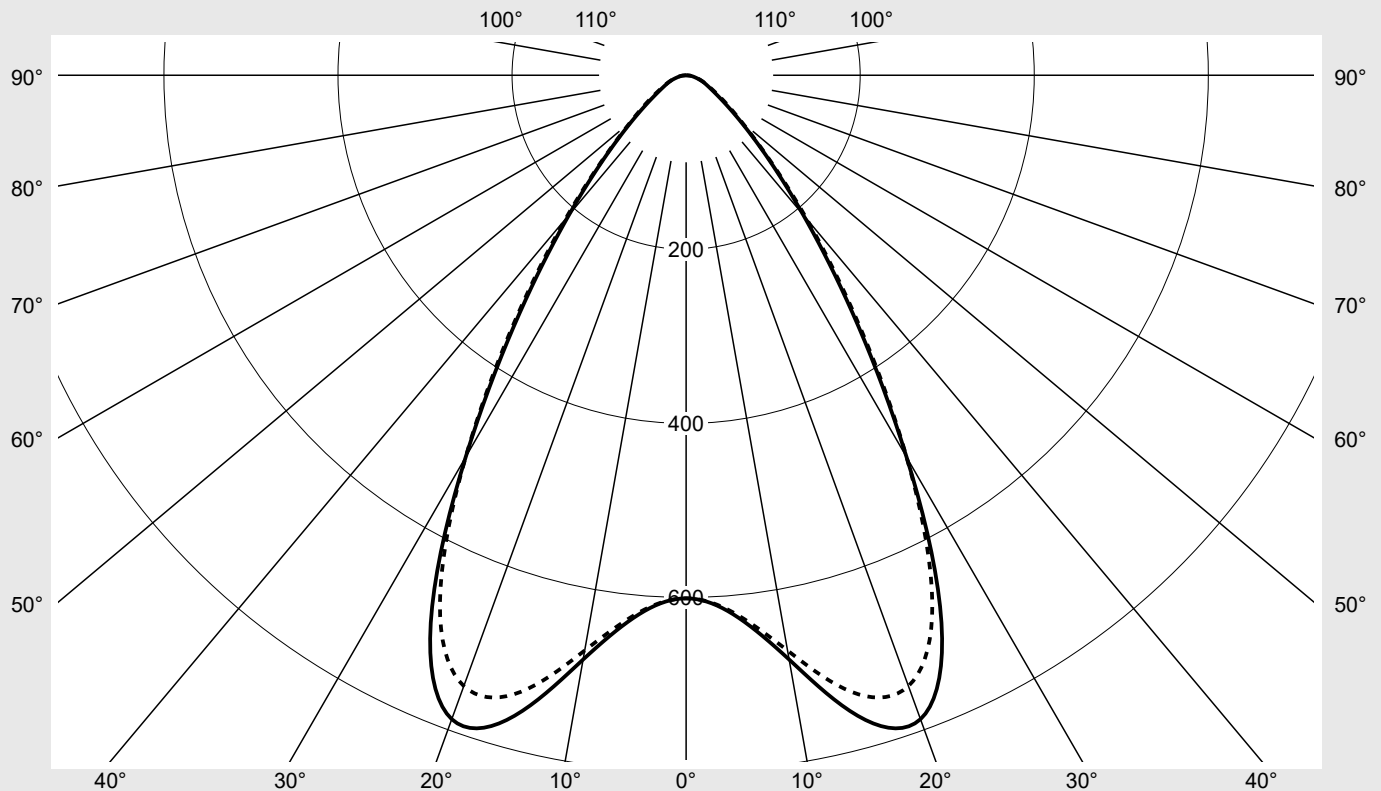
| | |
|---------------------|---|
| Version | symmetrical design, MLA-optic, tunable white, direct wide distribution, UGR≤19 |
| Lamps | LED 3000K + 6500K / CRI ≥ 80 (unbekannt LED 3000K + 6500K / CRI = 80) |
| Controlgear | ECG-DALI |
| Setting | individual position: colour temperature 3000K |
| Rated values | Net luminous flux = 7190 lm Power consumption = 56.0 W Luminous efficacy = 128.4 lm/W |

serial
documentation
20.02.2017

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Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: **790 cd/klm**



Classifications

DIN 5040 A 6 0
CIE N1=82 N2=95 N3=99
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

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| | | |
|---|---|------------------------------------|
| Family Scriptus® | Order number: 5MZ214D0TWA EAN: 4058352124062 | LP number 57444_5 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | sITeco |

| C-planes γ | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | Phi-zone | Total Phi-zone |
|---------------|------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------|-------------------|
| | | | | | | | | | |
| 0° | 601.0 | 601.0 | 601.0 | 601.0 | 601.0 | 601.0 | 601.0 | 3.6 | 3.6 |
| 5° | 621.7 | 620.0 | 618.9 | 620.7 | 619.2 | 619.0 | 619.5 | 29.6 | 33.2 |
| 10° | 681.7 | 679.2 | 676.9 | 676.0 | 672.7 | 670.5 | 671.1 | 64.3 | 97.5 |
| 15° | 761.9 | 760.0 | 754.5 | 745.5 | 739.5 | 734.0 | 733.4 | 106.0 | 203.4 |
| 20° | 787.3 | 790.2 | 785.7 | 778.6 | 764.8 | 749.9 | 746.8 | 144.9 | 348.3 |
| 25° | 694.3 | 700.4 | 703.6 | 697.9 | 691.6 | 670.3 | 669.3 | 160.1 | 508.4 |
| 30° | 506.5 | 511.5 | 521.0 | 524.3 | 523.6 | 507.0 | 506.7 | 141.3 | 649.7 |
| 35° | 333.5 | 335.1 | 348.5 | 355.1 | 352.8 | 339.3 | 340.2 | 108.3 | 758.0 |
| 40° | 209.2 | 212.3 | 217.7 | 224.7 | 222.1 | 216.0 | 215.6 | 76.6 | 834.7 |
| 45° | 128.9 | 129.3 | 132.0 | 137.3 | 137.8 | 133.9 | 131.6 | 51.7 | 886.4 |
| 50° | 79.9 | 79.9 | 81.7 | 84.4 | 85.6 | 84.4 | 83.1 | 34.8 | 921.2 |
| 55° | 51.2 | 52.0 | 54.0 | 55.1 | 55.0 | 55.7 | 55.7 | 24.3 | 945.5 |
| 60° | 35.0 | 36.7 | 37.3 | 38.3 | 38.1 | 38.0 | 37.8 | 17.8 | 963.3 |
| 65° | 25.7 | 26.4 | 26.6 | 27.2 | 27.8 | 27.3 | 27.0 | 13.4 | 976.7 |
| 70° | 19.1 | 18.6 | 19.8 | 19.6 | 19.8 | 19.6 | 19.4 | 10.0 | 986.7 |
| 75° | 12.4 | 13.2 | 13.9 | 13.6 | 12.9 | 13.2 | 13.1 | 7.0 | 993.7 |
| 80° | 7.7 | 8.2 | 7.8 | 7.7 | 7.6 | 7.9 | 7.8 | 4.2 | 998.0 |
| 85° | 3.8 | 3.8 | 3.6 | 3.6 | 3.6 | 3.7 | 3.7 | 2.0 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

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| UGR-Table | Standard room | siteco |
|------------------|----------------------|---------------|

| | | | | | | | | | | | |
|------------------------------|---------------------|------|------|------|------|--------------------|------|------|------|------|------|
| Reflection factor of ceiling | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | |
| Reflection factor of walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | |
| Reflection factor of floor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | |
| Room dimensions | View crosswise (C0) | | | | | View endwise (C90) | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 15.1 | 16.5 | 15.5 | 16.8 | 17.1 | 15.3 | 16.6 | 15.7 | 16.9 | 17.3 |
| | 3H | 15.5 | 16.6 | 15.8 | 17.0 | 17.3 | 15.6 | 16.8 | 16.0 | 17.1 | 17.5 |
| | 4H | 15.6 | 16.7 | 16.0 | 17.0 | 17.4 | 15.8 | 16.9 | 16.2 | 17.2 | 17.6 |
| | 6H | 15.7 | 16.7 | 16.1 | 17.1 | 17.5 | 15.9 | 16.9 | 16.3 | 17.3 | 17.7 |
| | 8H | 15.9 | 16.7 | 16.3 | 17.1 | 17.5 | 16.1 | 16.9 | 16.5 | 17.3 | 17.7 |
| | 12H | 15.9 | 16.7 | 16.3 | 17.1 | 17.5 | 16.1 | 16.8 | 16.5 | 17.2 | 17.7 |
| 4H | 2H | 15.2 | 16.3 | 15.6 | 16.7 | 17.0 | 15.4 | 16.5 | 15.8 | 16.8 | 17.2 |
| | 3H | 15.7 | 16.6 | 16.1 | 17.0 | 17.4 | 15.9 | 16.8 | 16.3 | 17.1 | 17.6 |
| | 4H | 15.9 | 16.7 | 16.4 | 17.1 | 17.6 | 16.1 | 16.9 | 16.5 | 17.3 | 17.7 |
| | 6H | 16.1 | 16.8 | 16.6 | 17.3 | 17.7 | 16.3 | 17.0 | 16.7 | 17.4 | 17.9 |
| | 8H | 16.2 | 16.8 | 16.7 | 17.3 | 17.8 | 16.4 | 17.0 | 16.8 | 17.4 | 17.9 |
| | 12H | 16.3 | 16.8 | 16.8 | 17.3 | 17.8 | 16.5 | 17.0 | 16.9 | 17.4 | 17.9 |
| 8H | 4H | 16.0 | 16.6 | 16.5 | 17.1 | 17.6 | 16.1 | 16.8 | 16.6 | 17.2 | 17.7 |
| | 6H | 16.3 | 16.8 | 16.8 | 17.3 | 17.8 | 16.4 | 16.9 | 16.9 | 17.4 | 17.9 |
| | 8H | 16.4 | 16.8 | 16.9 | 17.3 | 17.9 | 16.5 | 17.0 | 17.0 | 17.4 | 18.0 |
| | 12H | 16.5 | 16.9 | 17.1 | 17.4 | 17.9 | 16.6 | 17.0 | 17.2 | 17.5 | 18.0 |
| 12H | 4H | 16.0 | 16.5 | 16.5 | 17.0 | 17.5 | 16.2 | 16.7 | 16.7 | 17.1 | 17.6 |
| | 6H | 16.3 | 16.7 | 16.8 | 17.2 | 17.7 | 16.4 | 16.8 | 16.9 | 17.3 | 17.9 |
| | 8H | 16.4 | 16.8 | 17.0 | 17.3 | 17.8 | 16.6 | 16.9 | 17.1 | 17.4 | 18.0 |

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| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 2280 B = 95 |
|------------------------|---|--------------------------------------|----------------------------------|

| C-planes | γ | Luminance in cd/m ² | | | | | | | |
|----------|----------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|--|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° | |
| 45° | 6049.7 | 6067.9 | 6198.7 | 6444.4 | 6470.9 | 6287.9 | 6178.8 | | |
| 50° | 4126.7 | 4128.1 | 4216.6 | 4356.2 | 4421.8 | 4358.8 | 4289.3 | | |
| 55° | 2964.2 | 3007.3 | 3123.8 | 3187.8 | 3185.4 | 3223.0 | 3221.5 | | |
| 60° | 2321.5 | 2434.5 | 2479.3 | 2540.3 | 2527.4 | 2524.3 | 2512.6 | | |
| 65° | 2018.6 | 2072.6 | 2089.6 | 2134.4 | 2181.8 | 2143.4 | 2124.5 | | |
| 70° | 1853.3 | 1806.6 | 1926.4 | 1903.9 | 1919.5 | 1903.4 | 1881.8 | | |
| 75° | 1585.0 | 1694.9 | 1780.1 | 1746.6 | 1657.8 | 1696.6 | 1682.7 | | |
| 80° | 1463.5 | 1559.9 | 1485.5 | 1463.3 | 1450.7 | 1514.4 | 1494.1 | | |
| 85° | 1437.4 | 1435.9 | 1379.9 | 1363.9 | 1374.6 | 1411.5 | 1408.4 | | |

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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