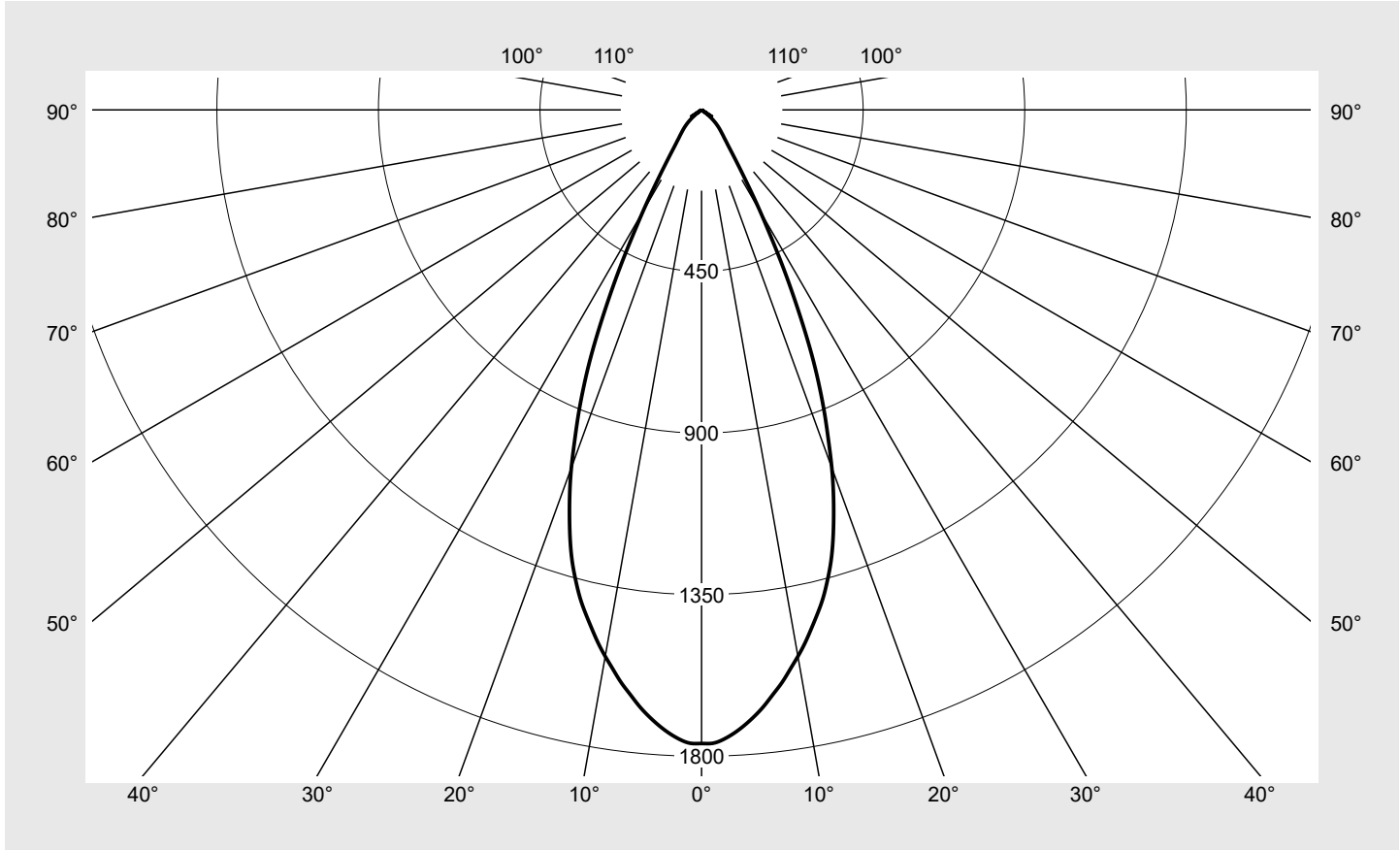


Photometric test report

| | | |
|----------------------------------|---|---|
| Family Lunis mini Spot | Order number: 51DH11CD3FG22 + 59DL1L0000G0000D0 EAN: 4058352107980 + 4058352030165 | LP number 57187_27 |
| Version | prismatic diffuser, darklight reflector, highly specular, medium beam | serial documentation 27.07.2017 |
| Lamps | LED 4000K / CRI ≥ 80 | |
| Controlgear | ECG-DALI | |
| Rated values | Net luminous flux = 2890 lm Power consumption = 27.4 W Luminous efficacy = 105.5 lm/W | |



Luminous intensity in cd/klm C180-0 **Imax: 1764 cd/klm**



| Classifications | |
|-----------------|--------------------------------------|
| DIN 5040 | A 8 0 |
| CIE | N1=95 N2=100 N3=100 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 |

Photometric test report

| | | |
|---|---|-----------------------------------|
| Family Lunis mini Spot | Order number: 51DH11CD3FG22 + 59DL1L0000G0000D0 EAN: 4058352107980 + 4058352030165 | LP number 57187_27 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | siteco |

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|----------|-------------------------|
| γ | Luminous intensity in cd/klm | | Luminous flux in lm/klm |
| 0° | 1764.5 | 0.4 | 0.4 |
| 1° | 1764.2 | 3.4 | 3.8 |
| 2° | 1753.9 | 6.7 | 10.5 |
| 3° | 1737.8 | 10.0 | 20.5 |
| 4° | 1717.7 | 13.1 | 33.6 |
| 5° | 1694.6 | 16.2 | 49.8 |
| 6° | 1668.5 | 19.1 | 68.9 |
| 7° | 1638.9 | 21.9 | 90.8 |
| 8° | 1610.2 | 24.6 | 115.4 |
| 9° | 1577.2 | 27.1 | 142.5 |
| 10° | 1545.3 | 29.4 | 171.9 |
| 11° | 1511.6 | 31.6 | 203.5 |
| 12° | 1474.7 | 33.6 | 237.2 |
| 13° | 1438.2 | 35.5 | 272.6 |
| 14° | 1399.9 | 37.1 | 309.8 |
| 15° | 1355.4 | 38.5 | 348.2 |
| 16° | 1307.6 | 39.5 | 387.8 |
| 17° | 1251.9 | 40.1 | 427.9 |
| 18° | 1190.6 | 40.3 | 468.3 |
| 19° | 1127.7 | 40.3 | 508.5 |
| 20° | 1060.4 | 39.8 | 548.3 |
| 21° | 986.5 | 38.8 | 587.1 |
| 22° | 916.3 | 37.6 | 624.7 |
| 23° | 842.8 | 36.1 | 660.8 |
| 24° | 766.4 | 34.2 | 695.0 |
| 25° | 683.0 | 31.7 | 726.6 |
| 26° | 600.2 | 28.9 | 755.5 |
| 27° | 522.8 | 26.0 | 781.5 |
| 28° | 448.3 | 23.1 | 804.6 |
| 29° | 381.0 | 20.3 | 824.9 |
| 30° | 326.3 | 17.9 | 842.8 |
| 31° | 276.9 | 15.6 | 858.4 |
| 32° | 234.0 | 13.6 | 872.0 |
| 33° | 200.4 | 12.0 | 884.0 |
| 34° | 173.4 | 10.6 | 894.6 |
| 35° | 152.0 | 9.6 | 904.2 |
| 36° | 134.5 | 8.7 | 912.8 |
| 37° | 120.6 | 8.0 | 920.8 |
| 38° | 110.1 | 7.4 | 928.2 |
| 39° | 100.5 | 6.9 | 935.2 |
| 40° | 93.6 | 6.6 | 941.8 |
| 41° | 86.7 | 6.2 | 948.0 |
| 42° | 80.8 | 5.9 | 953.9 |
| 43° | 75.2 | 5.6 | 959.5 |
| 44° | 69.9 | 5.3 | 964.9 |
| 45° | 64.3 | 5.0 | 969.8 |
| 46° | 58.7 | 4.6 | 974.5 |

| C-planes | 0° | Phi-zone | Total Phi-zone |
|----------|------------------------------|----------|-------------------------|
| γ | Luminous intensity in cd/klm | | Luminous flux in lm/klm |
| 47° | 53.1 | 4.3 | 978.7 |
| 48° | 46.8 | 3.8 | 982.5 |
| 49° | 40.9 | 3.4 | 985.9 |
| 50° | 34.6 | 2.9 | 988.8 |
| 51° | 28.0 | 2.4 | 991.2 |
| 52° | 21.8 | 1.9 | 993.1 |
| 53° | 14.8 | 1.3 | 994.4 |
| 54° | 9.6 | 0.8 | 995.2 |
| 55° | 6.3 | 0.6 | 995.8 |
| 56° | 36.3 | 3.3 | 999.1 |
| 57° | 9.9 | 0.9 | 1000.0 |
| 58° | 0.0 | 0.0 | 1000.0 |
| 59° | 0.0 | 0.0 | 1000.0 |
| 60° | 0.0 | 0.0 | 1000.0 |
| 61° | 0.0 | 0.0 | 1000.0 |
| 62° | 0.0 | 0.0 | 1000.0 |
| 63° | 0.0 | 0.0 | 1000.0 |
| 64° | 0.0 | 0.0 | 1000.0 |
| 65° | 0.0 | 0.0 | 1000.0 |
| 66° | 0.0 | 0.0 | 1000.0 |
| 67° | 0.0 | 0.0 | 1000.0 |
| 68° | 0.0 | 0.0 | 1000.0 |
| 69° | 0.0 | 0.0 | 1000.0 |
| 70° | 0.0 | 0.0 | 1000.0 |
| 71° | 0.0 | 0.0 | 1000.0 |
| 72° | 0.0 | 0.0 | 1000.0 |
| 73° | 0.0 | 0.0 | 1000.0 |
| 74° | 0.0 | 0.0 | 1000.0 |
| 75° | 0.0 | 0.0 | 1000.0 |
| 76° | 0.0 | 0.0 | 1000.0 |
| 77° | 0.0 | 0.0 | 1000.0 |
| 78° | 0.0 | 0.0 | 1000.0 |
| 79° | 0.0 | 0.0 | 1000.0 |
| 80° | 0.0 | 0.0 | 1000.0 |
| 81° | 0.0 | 0.0 | 1000.0 |
| 82° | 0.0 | 0.0 | 1000.0 |
| 83° | 0.0 | 0.0 | 1000.0 |
| 84° | 0.0 | 0.0 | 1000.0 |
| 85° | 0.0 | 0.0 | 1000.0 |
| 86° | 0.0 | 0.0 | 1000.0 |
| 87° | 0.0 | 0.0 | 1000.0 |
| 88° | 0.0 | 0.0 | 1000.0 |
| 89° | 0.0 | 0.0 | 1000.0 |
| 90° | 0.0 | 0.0 | 1000.0 |

Photometric test report

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|----------------------------------|---|------------------------------|
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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 | 15.3 | 16.4 | 15.7 | 16.7 | 17.0 | 15.3 | 16.4 | 15.7 | 16.7 | 17.0 |
| | 3H | 15.1 | 16.1 | 15.5 | 16.4 | 16.8 | 15.1 | 16.1 | 15.5 | 16.4 | 16.8 |
| | 4H | 15.1 | 15.9 | 15.5 | 16.3 | 16.6 | 15.1 | 15.9 | 15.5 | 16.3 | 16.6 |
| | 6H | 15.0 | 15.7 | 15.4 | 16.1 | 16.5 | 15.0 | 15.7 | 15.4 | 16.1 | 16.5 |
| | 8H | 15.1 | 15.7 | 15.5 | 16.0 | 16.5 | 15.1 | 15.7 | 15.5 | 16.0 | 16.5 |
| | 12H | 15.0 | 15.6 | 15.5 | 16.0 | 16.4 | 15.0 | 15.6 | 15.5 | 16.0 | 16.4 |
| 4H | 2H | 15.1 | 15.9 | 15.5 | 16.3 | 16.7 | 15.1 | 15.9 | 15.5 | 16.3 | 16.7 |
| | 3H | 14.9 | 15.6 | 15.3 | 16.0 | 16.4 | 14.9 | 15.6 | 15.3 | 16.0 | 16.4 |
| | 4H | 14.8 | 15.4 | 15.2 | 15.8 | 16.3 | 14.8 | 15.4 | 15.2 | 15.8 | 16.3 |
| | 6H | 14.7 | 15.2 | 15.1 | 15.6 | 16.1 | 14.7 | 15.2 | 15.1 | 15.6 | 16.1 |
| | 8H | 14.6 | 15.1 | 15.1 | 15.5 | 16.0 | 14.6 | 15.1 | 15.1 | 15.5 | 16.0 |
| | 12H | 14.6 | 15.0 | 15.1 | 15.4 | 15.9 | 14.6 | 15.0 | 15.1 | 15.4 | 15.9 |
| 8H | 4H | 14.6 | 15.1 | 15.1 | 15.5 | 16.0 | 14.6 | 15.1 | 15.1 | 15.5 | 16.0 |
| | 6H | 14.5 | 14.9 | 15.0 | 15.4 | 15.9 | 14.5 | 14.9 | 15.0 | 15.4 | 15.9 |
| | 8H | 14.4 | 14.8 | 15.0 | 15.3 | 15.8 | 14.4 | 14.8 | 15.0 | 15.3 | 15.8 |
| | 12H | 14.4 | 14.6 | 14.9 | 15.2 | 15.7 | 14.4 | 14.6 | 14.9 | 15.2 | 15.7 |
| 12H | 4H | 14.6 | 15.0 | 15.1 | 15.4 | 15.9 | 14.6 | 15.0 | 15.1 | 15.4 | 15.9 |
| | 6H | 14.5 | 14.8 | 15.0 | 15.3 | 15.8 | 14.5 | 14.8 | 15.0 | 15.3 | 15.8 |
| | 8H | 14.4 | 14.6 | 14.9 | 15.2 | 15.7 | 14.4 | 14.6 | 14.9 | 15.2 | 15.7 |

| | | |
|------------------------|---|--|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: D = 143 |
|------------------------|---|--|

| | |
|-----------------|--------------------------------------|
| C-planes | 0° |
| γ | Luminance in cd/m² |
| 45° | 16357.1 |
| 50° | 9688.8 |
| 55° | 1964.8 |
| 60° | 0.0 |
| 65° | 0.0 |
| 70° | 0.0 |
| 75° | 0.0 |
| 80° | 0.0 |
| 85° | 0.0 |

Photometric test report

| | | |
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|----------------------------------|---|------------------------------|

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

