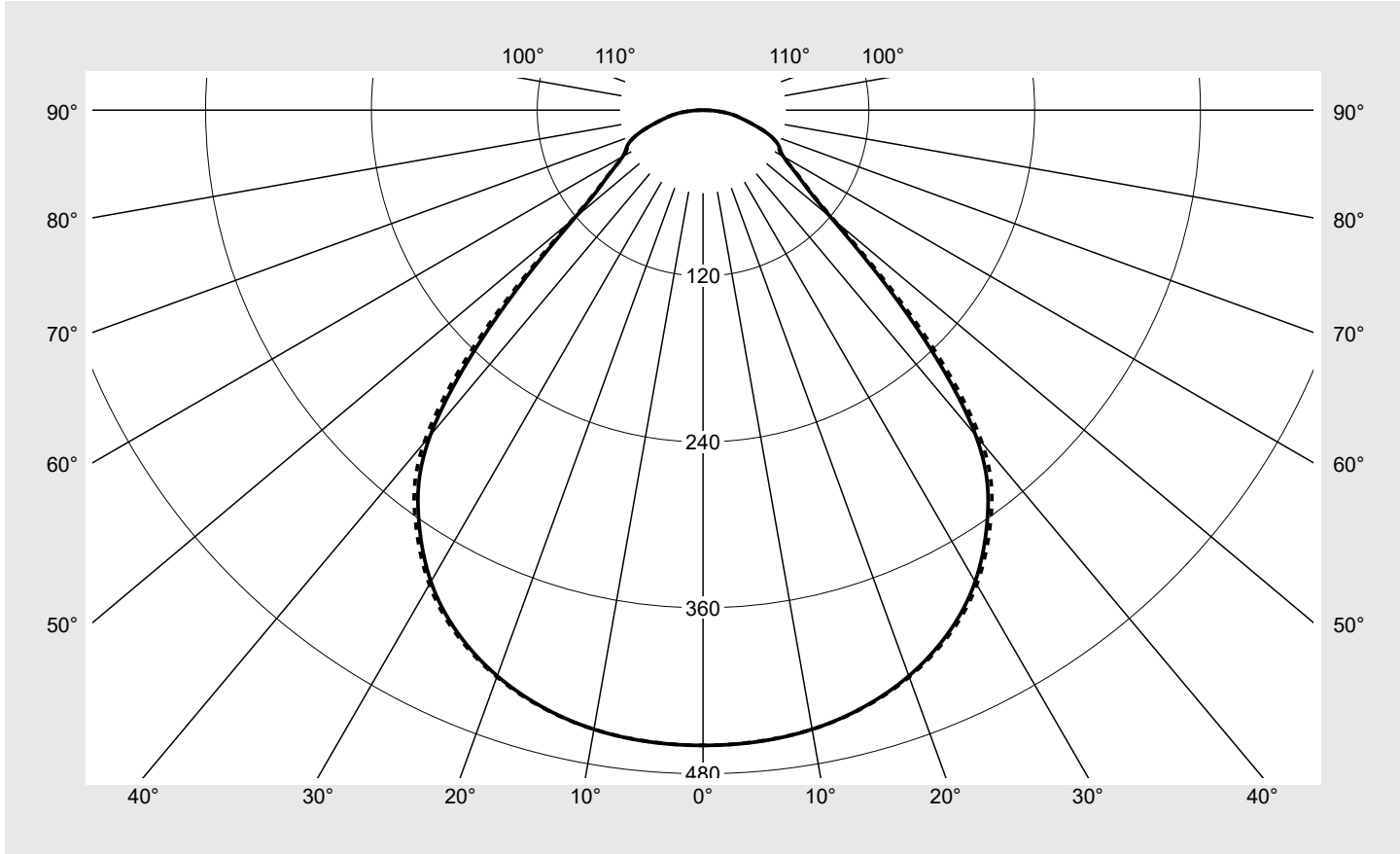


Photometric test report

| | | |
|--|--|--|
| Family Apollon® 41 | Order number: 51MH12L72443 EAN: 4058352934616 | LP number 59525_14 |
|  | Version | recessed luminaire for lay-in mounting, square M600, wide distribution, UGR≤19 (L65≤3000cd/m²) |
| | Lamps | LED 4000 K CRI ≥ 80 |
| | Controlgear | ECG |
| | Rated values | Net luminous flux = 2800 lm Power consumption = 21.5 W Luminous efficacy = 130.2 lm/W |
| | | serial documentation 20.12.2023 |
| | |  |

Luminous intensity in cd/klm
C180-0
C270-90
Imax: 460 cd/klm



| Classifications | |
|-----------------|------------------------------------|
| DIN 5040 | A 5 0 |
| CIE | N1=61 N2=87 N3=97 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 Apollon® 41 | Order number: 51MH12L72443 EAN: 4058352934616 | LP number 59525_14 |
| Table of values for luminous intensities | | Maximum luminous intensity |
| | | sITeco |

| C-planes γ | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-zone | Total Phi-zone |
|------------------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|-------------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| Luminous intensity in cd/klm | | | | | | | | Luminous flux in lm/klm | |
| 0° | 459.5 | 459.5 | 459.5 | 459.5 | 459.5 | 459.5 | 459.5 | 2.7 | 2.7 |
| 5° | 458.5 | 458.6 | 458.6 | 458.5 | 458.4 | 458.4 | 458.3 | 21.9 | 24.7 |
| 10° | 454.8 | 454.7 | 454.7 | 454.6 | 454.5 | 454.6 | 454.8 | 43.3 | 67.9 |
| 15° | 447.3 | 447.2 | 447.2 | 447.1 | 447.1 | 447.4 | 447.7 | 63.4 | 131.4 |
| 20° | 435.5 | 435.6 | 435.6 | 435.5 | 435.4 | 435.9 | 436.3 | 81.7 | 213.1 |
| 25° | 418.3 | 418.2 | 418.1 | 417.9 | 417.9 | 418.8 | 419.8 | 96.9 | 310.0 |
| 30° | 393.9 | 392.9 | 392.0 | 391.8 | 391.7 | 394.0 | 396.2 | 107.7 | 417.6 |
| 35° | 359.0 | 358.1 | 357.3 | 357.0 | 356.7 | 359.8 | 362.9 | 112.7 | 530.3 |
| 40° | 307.0 | 305.1 | 303.5 | 302.7 | 302.0 | 308.1 | 314.2 | 107.6 | 637.9 |
| 45° | 209.9 | 219.5 | 229.2 | 228.5 | 227.9 | 223.6 | 219.4 | 86.8 | 724.7 |
| 50° | 121.1 | 152.8 | 184.6 | 184.6 | 184.5 | 154.4 | 124.3 | 68.8 | 793.5 |
| 55° | 85.1 | 114.1 | 143.1 | 142.6 | 142.1 | 114.1 | 86.2 | 55.5 | 849.0 |
| 60° | 67.2 | 85.5 | 103.9 | 103.9 | 103.9 | 85.2 | 66.6 | 43.5 | 892.4 |
| 65° | 60.3 | 67.1 | 74.0 | 73.7 | 73.5 | 66.6 | 59.7 | 34.4 | 926.8 |
| 70° | 49.9 | 54.2 | 58.5 | 57.8 | 57.2 | 53.7 | 50.2 | 28.4 | 955.2 |
| 75° | 35.1 | 40.7 | 46.3 | 45.7 | 45.1 | 40.2 | 35.4 | 22.4 | 977.6 |
| 80° | 24.2 | 25.1 | 26.1 | 25.6 | 25.0 | 24.9 | 24.7 | 13.6 | 991.2 |
| 85° | 13.0 | 14.1 | 15.3 | 15.2 | 15.1 | 14.0 | 12.9 | 7.9 | 999.1 |
| 90° | 1.4 | 1.6 | 1.9 | 1.8 | 1.8 | 1.5 | 1.2 | 0.9 | 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 |

Photometric test report

| | | |
|------------------------------|--|------------------------------|
| Family Apollon® 41 | Order number: 51MH12L72443 EAN: 4058352934616 | LP number 59525_14 |
|------------------------------|--|------------------------------|

| | | | |
|-----------|---------------|--------|--|
| 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 | 14.0 | 15.6 | 14.4 | 15.9 | 16.2 | 14.1 | 15.6 | 14.4 | 15.9 | 16.2 |
| | 3H | 15.0 | 16.4 | 15.3 | 16.7 | 17.0 | 15.0 | 16.4 | 15.4 | 16.7 | 17.0 |
| | 4H | 15.4 | 16.7 | 15.8 | 17.1 | 17.4 | 15.4 | 16.7 | 15.8 | 17.1 | 17.4 |
| | 6H | 15.8 | 17.0 | 16.2 | 17.4 | 17.8 | 15.8 | 17.0 | 16.2 | 17.4 | 17.8 |
| | 8H | 16.0 | 17.1 | 16.4 | 17.5 | 17.9 | 16.0 | 17.1 | 16.5 | 17.5 | 17.9 |
| | 12H | 16.2 | 17.2 | 16.6 | 17.6 | 18.0 | 16.2 | 17.2 | 16.6 | 17.6 | 18.0 |
| 4H | 2H | 14.6 | 15.9 | 15.0 | 16.2 | 16.6 | 14.6 | 15.9 | 15.0 | 16.3 | 16.6 |
| | 3H | 15.8 | 16.9 | 16.2 | 17.3 | 17.7 | 15.8 | 16.9 | 16.2 | 17.3 | 17.7 |
| | 4H | 16.4 | 17.4 | 16.9 | 17.8 | 18.3 | 16.4 | 17.4 | 16.9 | 17.8 | 18.2 |
| | 6H | 17.0 | 17.8 | 17.4 | 18.2 | 18.7 | 16.9 | 17.8 | 17.4 | 18.2 | 18.7 |
| | 8H | 17.2 | 18.0 | 17.7 | 18.4 | 18.9 | 17.2 | 17.9 | 17.6 | 18.4 | 18.9 |
| | 12H | 17.4 | 18.1 | 17.9 | 18.5 | 19.0 | 17.4 | 18.1 | 17.9 | 18.5 | 19.0 |
| 8H | 4H | 16.8 | 17.6 | 17.3 | 18.0 | 18.5 | 16.8 | 17.5 | 17.2 | 18.0 | 18.5 |
| | 6H | 17.4 | 18.1 | 17.9 | 18.6 | 19.1 | 17.4 | 18.0 | 17.9 | 18.5 | 19.0 |
| | 8H | 17.7 | 18.3 | 18.2 | 18.8 | 19.3 | 17.7 | 18.3 | 18.2 | 18.8 | 19.3 |
| | 12H | 18.1 | 18.5 | 18.6 | 19.0 | 19.6 | 18.0 | 18.5 | 18.5 | 19.0 | 19.5 |
| 12H | 4H | 16.8 | 17.5 | 17.3 | 18.0 | 18.5 | 16.8 | 17.5 | 17.3 | 17.9 | 18.4 |
| | 6H | 17.5 | 18.1 | 18.0 | 18.6 | 19.1 | 17.5 | 18.0 | 18.0 | 18.5 | 19.0 |
| | 8H | 17.9 | 18.4 | 18.4 | 18.9 | 19.4 | 17.8 | 18.3 | 18.4 | 18.8 | 19.4 |

| | | | |
|-----------------|---------------------------------|-------------------------------|--------------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | L = 555 B = 555 |
|-----------------|---------------------------------|-------------------------------|--------------------|

| 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° | | 2698.5 | 2822.3 | 2946.1 | 2937.8 | 2929.6 | 2875.0 | 2820.4 | |
| 50° | | 1711.9 | 2161.5 | 2611.1 | 2610.4 | 2609.7 | 2183.8 | 1758.0 | |
| 55° | | 1347.9 | 1807.7 | 2267.4 | 2259.6 | 2251.7 | 1808.6 | 1365.5 | |
| 60° | | 1221.2 | 1554.8 | 1888.4 | 1888.4 | 1888.4 | 1549.4 | 1210.4 | |
| 65° | | 1297.0 | 1443.8 | 1590.7 | 1586.1 | 1581.6 | 1432.9 | 1284.2 | |
| 70° | | 1325.2 | 1439.8 | 1554.3 | 1536.9 | 1519.4 | 1426.2 | 1333.1 | |
| 75° | | 1233.5 | 1430.5 | 1627.4 | 1605.4 | 1583.4 | 1412.9 | 1242.5 | |
| 80° | | 1264.3 | 1314.4 | 1364.5 | 1337.7 | 1310.7 | 1303.0 | 1295.3 | |
| 85° | | 1353.2 | 1474.7 | 1596.2 | 1586.9 | 1577.6 | 1463.3 | 1349.0 | |

Photometric test report

Family
Apollon® 41

Order number: 51MH12L72443
EAN: 4058352934616

LP number
59525_14

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

