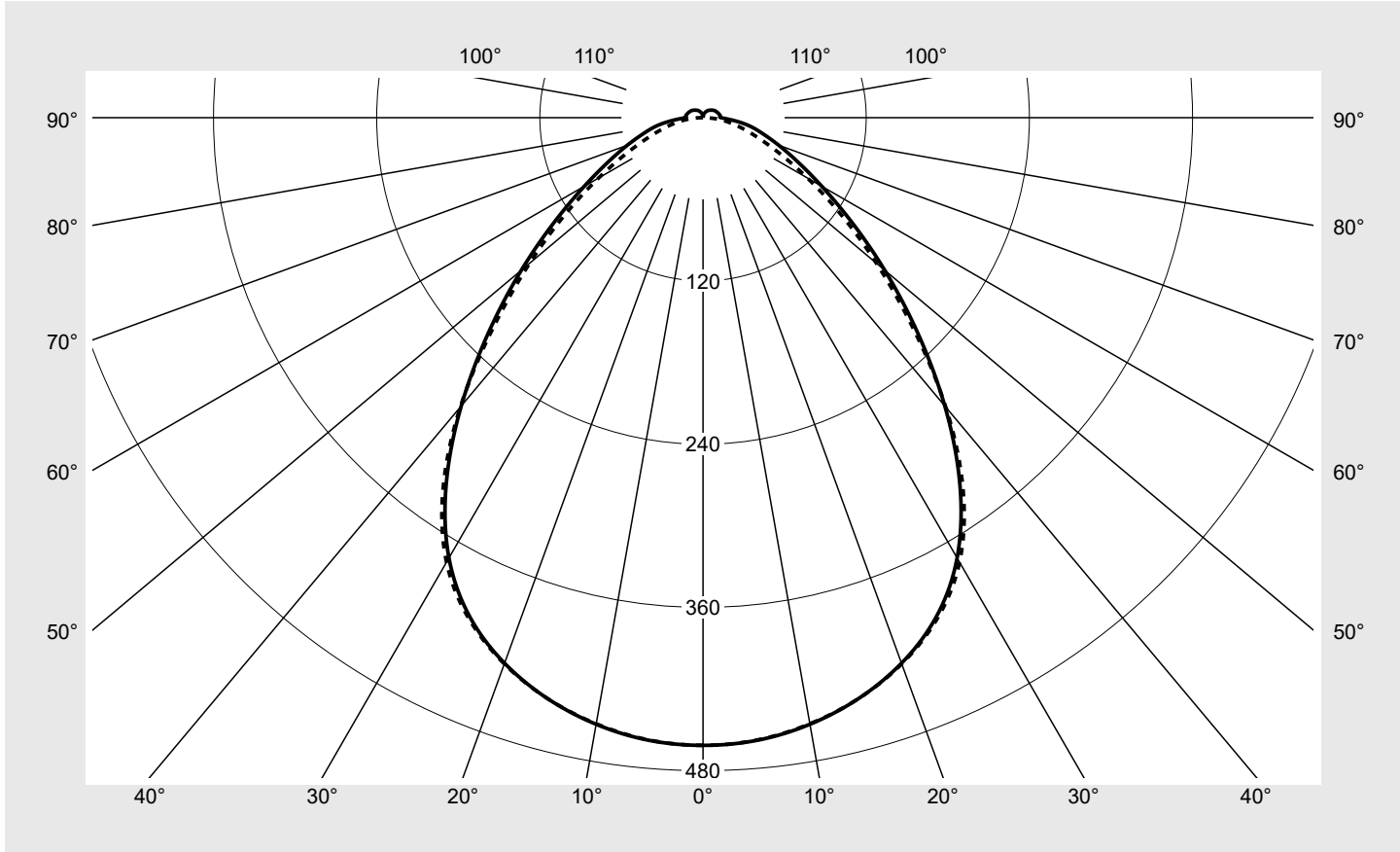


Photometric test report

| | | |
|--|--|---|
| Family Apollon® 31 Surface | Order number: 51MP25WM2341E EAN: 4058352614570 | LP number 59344_13 |
|  | Version surface-mounted and suspended luminaire, microprismatic optics, wide distribution, UGR≤19 (L65≤3000cd/m²), at factory setting Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 3600 lm Power consumption = 27.0 W Luminous efficacy = 133.3 lm/W | serial documentation 15.03.2024  |

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 461 cd/klm**



| Classifications | |
|-----------------|-----------------------------------|
| DIN 5040 | A 5 1 |
| CIE | N1=61 N2=87 N3=97 N4=97 N5=100 |

| Luminaire light output ratios | |
|-------------------------------|--------|
| η_{LB} | 100.0% |
| ϕ_u | 96.9% |
| ϕ_o | 3.1% |

| Measurement conditions |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

Photometric test report

| | | |
|---|---|-------------------------------------|
| Family Apollon® 31 Surface | Order number: 51MP25WM2341E EAN: 4058352614570 | LP number 59344_13 |
| 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° | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 461.4 | 2.8 | 2.8 |
| 5° | 459.4 | 459.1 | 459.2 | 459.1 | 459.1 | 458.9 | 459.2 | 21.9 | 24.7 |
| 10° | 452.8 | 452.3 | 452.6 | 452.2 | 452.5 | 452.2 | 452.4 | 43.1 | 67.8 |
| 15° | 442.1 | 441.3 | 442.0 | 441.6 | 442.2 | 441.7 | 442.0 | 62.7 | 130.4 |
| 20° | 426.8 | 425.8 | 426.8 | 426.4 | 427.3 | 426.7 | 427.3 | 80.0 | 210.4 |
| 25° | 405.3 | 404.1 | 405.7 | 405.3 | 406.7 | 406.0 | 406.9 | 94.0 | 304.4 |
| 30° | 373.7 | 372.1 | 374.7 | 374.3 | 376.6 | 375.8 | 377.3 | 102.7 | 407.1 |
| 35° | 329.4 | 327.4 | 330.7 | 330.2 | 332.9 | 331.2 | 333.4 | 104.0 | 511.1 |
| 40° | 276.6 | 274.1 | 276.8 | 275.9 | 278.9 | 276.1 | 277.7 | 97.4 | 608.5 |
| 45° | 222.9 | 219.6 | 220.9 | 219.3 | 222.4 | 217.7 | 218.2 | 85.3 | 693.8 |
| 50° | 174.4 | 171.2 | 171.4 | 169.7 | 171.1 | 166.2 | 166.5 | 71.4 | 765.2 |
| 55° | 133.1 | 129.8 | 129.4 | 127.3 | 127.2 | 122.9 | 123.6 | 57.2 | 822.4 |
| 60° | 100.8 | 96.8 | 95.6 | 92.8 | 92.4 | 88.6 | 88.7 | 44.4 | 866.8 |
| 65° | 76.9 | 72.2 | 70.3 | 66.6 | 66.9 | 62.9 | 62.1 | 33.8 | 900.6 |
| 70° | 59.3 | 54.7 | 52.5 | 48.1 | 48.7 | 44.3 | 43.1 | 25.7 | 926.3 |
| 75° | 45.5 | 41.8 | 39.8 | 34.7 | 34.7 | 30.6 | 29.6 | 19.3 | 945.7 |
| 80° | 34.6 | 31.6 | 29.4 | 23.8 | 22.7 | 19.7 | 19.2 | 13.9 | 959.5 |
| 85° | 22.2 | 20.2 | 18.0 | 13.5 | 12.3 | 10.0 | 9.8 | 8.2 | 967.7 |
| 90° | 13.3 | 11.8 | 8.8 | 5.0 | 3.4 | 2.0 | 1.4 | 3.5 | 971.2 |
| 95° | 12.6 | 11.5 | 8.3 | 4.7 | 2.9 | 1.3 | 1.0 | 3.2 | 974.5 |
| 100° | 12.4 | 11.4 | 8.1 | 4.6 | 2.9 | 1.5 | 0.9 | 3.2 | 977.6 |
| 105° | 11.8 | 10.9 | 7.8 | 4.6 | 2.9 | 1.5 | 0.8 | 3.0 | 980.6 |
| 110° | 11.2 | 10.3 | 7.6 | 4.6 | 2.9 | 1.5 | 0.8 | 2.8 | 983.4 |
| 115° | 10.7 | 9.8 | 7.6 | 4.9 | 2.9 | 1.5 | 0.8 | 2.7 | 986.1 |
| 120° | 10.1 | 9.4 | 7.4 | 5.0 | 2.9 | 1.5 | 0.7 | 2.5 | 988.6 |
| 125° | 9.4 | 8.7 | 7.1 | 4.9 | 3.0 | 1.5 | 0.7 | 2.3 | 990.9 |
| 130° | 8.6 | 8.0 | 6.6 | 4.9 | 3.0 | 1.5 | 0.7 | 2.0 | 992.9 |
| 135° | 7.8 | 7.3 | 6.3 | 4.7 | 2.9 | 1.4 | 0.6 | 1.7 | 994.6 |
| 140° | 7.1 | 6.7 | 5.8 | 4.4 | 2.8 | 1.4 | 0.7 | 1.5 | 996.1 |
| 145° | 6.4 | 6.1 | 5.2 | 4.0 | 2.7 | 1.5 | 0.8 | 1.2 | 997.3 |
| 150° | 5.6 | 5.3 | 4.6 | 3.6 | 2.5 | 1.5 | 1.0 | 1.0 | 998.2 |
| 155° | 4.8 | 4.5 | 4.0 | 3.2 | 2.2 | 1.5 | 1.1 | 0.7 | 998.9 |
| 160° | 3.9 | 3.7 | 3.3 | 2.6 | 1.9 | 1.5 | 1.2 | 0.5 | 999.4 |
| 165° | 3.1 | 2.9 | 2.7 | 2.2 | 1.8 | 1.5 | 1.3 | 0.3 | 999.7 |
| 170° | 2.3 | 2.3 | 2.1 | 1.8 | 1.6 | 1.5 | 1.4 | 0.2 | 999.9 |
| 175° | 1.8 | 1.7 | 1.6 | 1.5 | 1.5 | 1.5 | 1.4 | 0.1 | 1000.0 |
| 180° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1000.0 |

Photometric test report

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|--------------------------------------|---|------------------------------|
| Family Apollon® 31 Surface | Order number: 51MP25WM2341E EAN: 4058352614570 | LP number 59344_13 |
|--------------------------------------|---|------------------------------|

| | | | |
|-----------|---------------|---------------|--|
| 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 | 15.8 | 17.3 | 16.1 | 17.6 | 18.0 | 15.7 | 17.2 | 16.0 | 17.5 | 17.9 |
| | 3H | 16.7 | 18.1 | 17.1 | 18.5 | 18.8 | 16.4 | 17.8 | 16.8 | 18.1 | 18.5 |
| | 4H | 17.2 | 18.5 | 17.6 | 18.9 | 19.2 | 16.7 | 18.0 | 17.1 | 18.3 | 18.7 |
| | 6H | 17.7 | 18.9 | 18.1 | 19.3 | 19.7 | 17.0 | 18.2 | 17.4 | 18.5 | 18.9 |
| | 8H | 18.0 | 19.1 | 18.4 | 19.5 | 19.9 | 17.1 | 18.2 | 17.5 | 18.6 | 19.0 |
| | 12H | 18.2 | 19.3 | 18.7 | 19.7 | 20.1 | 17.2 | 18.2 | 17.6 | 18.6 | 19.0 |
| 4H | 2H | 16.2 | 17.5 | 16.5 | 17.8 | 18.2 | 16.1 | 17.4 | 16.5 | 17.7 | 18.1 |
| | 3H | 17.3 | 18.4 | 17.7 | 18.8 | 19.2 | 17.0 | 18.1 | 17.4 | 18.5 | 18.9 |
| | 4H | 17.9 | 18.9 | 18.4 | 19.3 | 19.7 | 17.4 | 18.4 | 17.9 | 18.8 | 19.2 |
| | 6H | 18.6 | 19.4 | 19.0 | 19.9 | 20.3 | 17.8 | 18.6 | 18.2 | 19.1 | 19.5 |
| | 8H | 18.9 | 19.7 | 19.4 | 20.1 | 20.6 | 17.9 | 18.7 | 18.4 | 19.2 | 19.6 |
| | 12H | 19.2 | 19.9 | 19.7 | 20.4 | 20.9 | 18.1 | 18.8 | 18.6 | 19.2 | 19.7 |
| 8H | 4H | 18.1 | 18.9 | 18.6 | 19.3 | 19.8 | 17.6 | 18.4 | 18.1 | 18.9 | 19.3 |
| | 6H | 18.9 | 19.6 | 19.4 | 20.0 | 20.5 | 18.1 | 18.8 | 18.6 | 19.3 | 19.8 |
| | 8H | 19.3 | 19.9 | 19.8 | 20.4 | 20.9 | 18.4 | 18.9 | 18.9 | 19.4 | 19.9 |
| | 12H | 19.8 | 20.2 | 20.3 | 20.7 | 21.3 | 18.6 | 19.0 | 19.1 | 19.5 | 20.1 |
| 12H | 4H | 18.1 | 18.8 | 18.6 | 19.3 | 19.8 | 17.7 | 18.4 | 18.2 | 18.8 | 19.3 |
| | 6H | 19.0 | 19.5 | 19.5 | 20.0 | 20.5 | 18.2 | 18.8 | 18.7 | 19.3 | 19.8 |
| | 8H | 19.4 | 19.9 | 20.0 | 20.4 | 21.0 | 18.5 | 19.0 | 19.0 | 19.5 | 20.0 |

| | | | | | | |
|-----------------|---------------------------------|-------------------------------|--|----------|------------|--------------|
| Luminance table | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | | L = 1236 | H(C0) = 13 | H(C180) = 13 |
| | | | | B = 200 | H(C90) = 0 | H(C270) = 0 |

| 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° | | 4310.2 | 4255.2 | 4306.3 | 4318.9 | 4436.6 | 4409.8 | 4493.9 | |
| 50° | | 3667.7 | 3608.8 | 3638.2 | 3645.0 | 3731.1 | 3692.1 | 3773.2 | |
| 55° | | 3092.3 | 3023.4 | 3039.8 | 3032.4 | 3085.2 | 3048.2 | 3137.1 | |
| 60° | | 2639.9 | 2543.8 | 2536.5 | 2504.7 | 2547.2 | 2508.6 | 2582.1 | |
| 65° | | 2326.5 | 2192.8 | 2160.3 | 2090.3 | 2155.2 | 2091.5 | 2140.8 | |
| 70° | | 2142.1 | 1984.7 | 1935.7 | 1817.8 | 1903.9 | 1804.5 | 1835.0 | |
| 75° | | 2061.1 | 1905.4 | 1852.6 | 1665.2 | 1740.4 | 1621.4 | 1664.2 | |
| 80° | | 2118.3 | 1956.5 | 1869.6 | 1581.6 | 1607.4 | 1508.7 | 1608.4 | |
| 85° | | 2123.7 | 1960.8 | 1828.7 | 1481.4 | 1498.1 | 1406.6 | 1639.2 | |

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



Luminance values in cd/m²

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| γ 65° | γ 70° | γ 75° | γ 80° | γ 85° |
|--------------|--------------|--------------|--------------|--------------|

