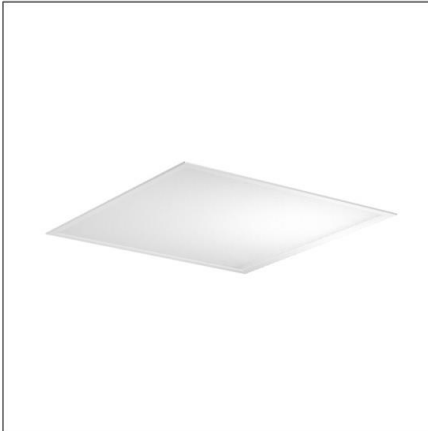


Lichttechnischer Prüfbefund

Familie
Apollon® 31

Bestell-Nr.: 51MP12W72M42
EAN: 4058352926420

LP-Nummer
59515_10



Ausführung Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, einstellbare Farbtemperatur: 3000 K | 4000 K, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Einstellung Werkseinstellung: Farbtemperatur 4000K

Bemessungswerte Nettolichtstrom = 4000 lm
Systemleistung = 27.5 W
Lichtausbeute = 145.5 lm/W

Seriendokumentation
11.12.2023

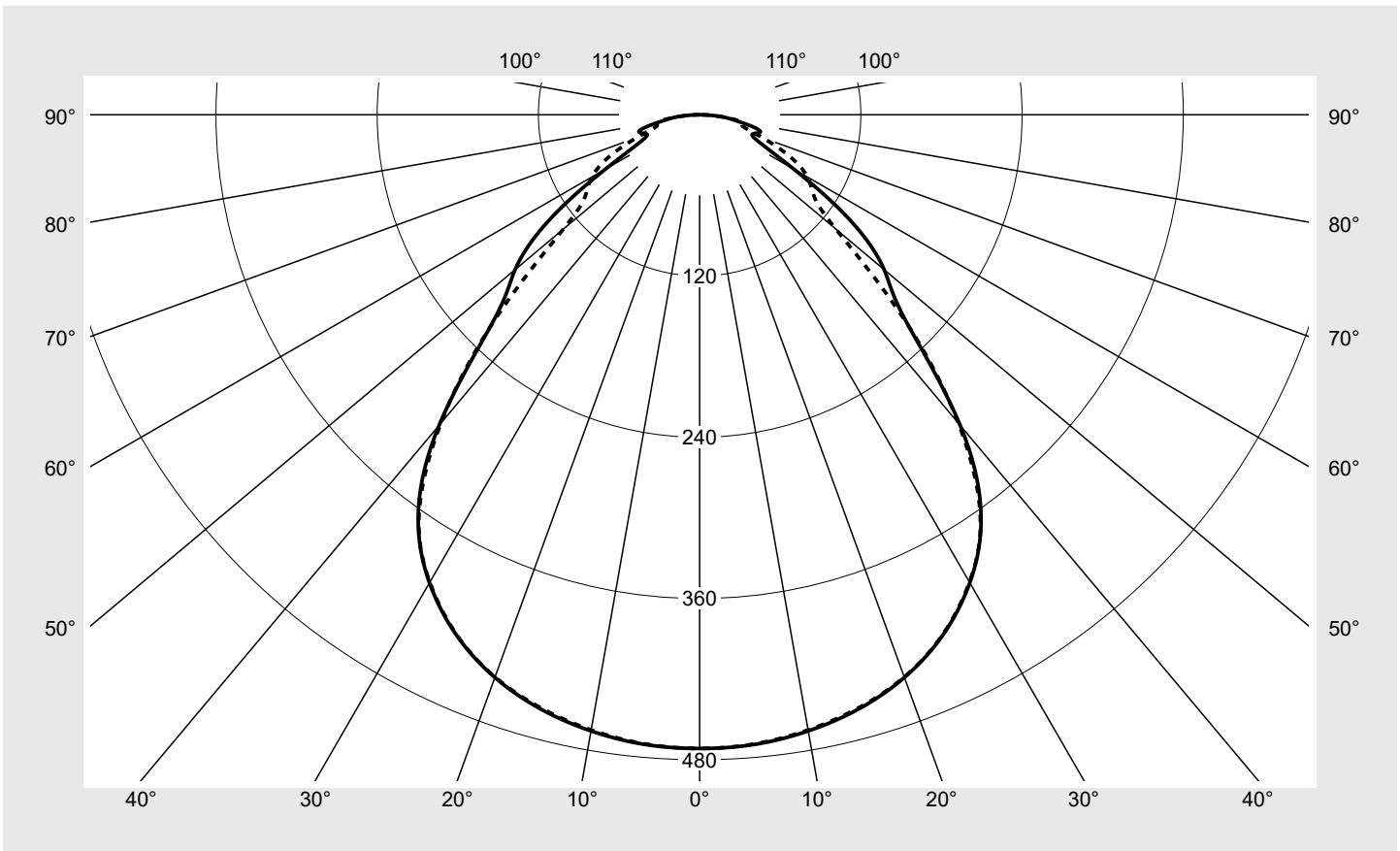
sITeco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 472 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=62 N2=87 N3=97
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

| | | |
|--|---|-------------------------------------|
| Familie Apollon® 31 | Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420 | LP-Nummer 59515_10 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| siteco | | |

| C- Ebenen | 0° | 15° 345° | 30° 330° | 45° 315° | 60° 300° | 75° 285° | 90° 270° |
|--------------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| γ | Lichtstärke in cd/klm | | | | | | |
| 0° | 471.6 | 471.6 | 471.6 | 471.6 | 471.6 | 471.6 | 471.6 |
| 5° | 470.4 | 470.1 | 470.0 | 470.0 | 470.0 | 470.0 | 470.0 |
| 10° | 465.6 | 465.5 | 465.4 | 465.1 | 464.9 | 464.9 | 464.9 |
| 15° | 457.8 | 457.8 | 457.6 | 457.3 | 456.9 | 456.8 | 456.9 |
| 20° | 445.6 | 445.7 | 445.5 | 445.2 | 444.7 | 444.8 | 445.3 |
| 25° | 427.7 | 427.4 | 427.2 | 427.1 | 427.0 | 427.1 | 427.3 |
| 30° | 402.2 | 401.5 | 401.3 | 401.5 | 401.8 | 401.9 | 401.7 |
| 35° | 365.2 | 363.5 | 363.1 | 364.0 | 365.5 | 365.6 | 364.2 |
| 40° | 301.7 | 296.3 | 295.4 | 298.8 | 303.9 | 304.2 | 299.6 |
| 45° | 217.2 | 205.7 | 202.8 | 208.5 | 217.9 | 220.2 | 215.3 |
| 50° | 179.3 | 148.1 | 140.0 | 155.1 | 174.5 | 166.9 | 132.3 |
| 55° | 136.8 | 115.8 | 111.1 | 122.8 | 136.2 | 129.8 | 103.4 |
| 60° | 80.9 | 88.5 | 94.7 | 99.8 | 96.1 | 93.7 | 92.6 |
| 65° | 49.9 | 65.2 | 73.8 | 75.8 | 65.2 | 64.9 | 74.8 |
| 70° | 42.0 | 48.7 | 53.4 | 56.3 | 50.4 | 48.2 | 49.6 |
| 75° | 46.6 | 41.4 | 40.0 | 42.4 | 43.7 | 40.7 | 33.3 |
| 80° | 29.9 | 29.2 | 28.2 | 26.9 | 28.8 | 30.4 | 31.5 |
| 85° | 16.1 | 14.8 | 14.1 | 14.0 | 15.0 | 15.3 | 15.1 |
| 90° | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Lichttechnischer Prüfbefund

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|--|---|-------------------------------------|
| Familie Apollon® 31 | Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420 | LP-Nummer 59515_10 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | siteco |

| C- Ebenen | 105° 255° | 120° 240° | 135° 225° | 150° 210° | 165° 195° | 180° | Phi-Zone | Summe Phi-Zone |
|--------------|-----------------------|--------------|--------------|--------------|--------------|-------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | | | | | | Lichtstrom in lm/klm | |
| 0° | 471.6 | 471.6 | 471.6 | 471.6 | 471.6 | 471.6 | 2.8 | 2.8 |
| 5° | 470.0 | 470.0 | 470.0 | 470.0 | 470.1 | 470.4 | 22.5 | 25.3 |
| 10° | 464.9 | 464.9 | 465.1 | 465.4 | 465.5 | 465.6 | 44.3 | 69.6 |
| 15° | 456.8 | 456.9 | 457.3 | 457.6 | 457.8 | 457.8 | 64.9 | 134.4 |
| 20° | 444.8 | 444.7 | 445.2 | 445.5 | 445.7 | 445.6 | 83.5 | 217.9 |
| 25° | 427.1 | 427.0 | 427.1 | 427.2 | 427.4 | 427.7 | 99.0 | 316.9 |
| 30° | 401.9 | 401.8 | 401.5 | 401.3 | 401.5 | 402.2 | 110.1 | 426.9 |
| 35° | 365.6 | 365.5 | 364.0 | 363.1 | 363.5 | 365.2 | 114.6 | 541.5 |
| 40° | 304.2 | 303.9 | 298.8 | 295.4 | 296.3 | 301.7 | 105.7 | 647.2 |
| 45° | 220.2 | 217.9 | 208.5 | 202.8 | 205.7 | 217.2 | 82.1 | 729.3 |
| 50° | 166.9 | 174.5 | 155.1 | 140.0 | 148.1 | 179.3 | 65.8 | 795.1 |
| 55° | 129.8 | 136.2 | 122.8 | 111.1 | 115.8 | 136.8 | 55.1 | 850.2 |
| 60° | 93.7 | 96.1 | 99.8 | 94.7 | 88.5 | 80.9 | 44.3 | 894.4 |
| 65° | 64.9 | 65.2 | 75.8 | 73.8 | 65.2 | 49.9 | 33.7 | 928.2 |
| 70° | 48.2 | 50.4 | 56.3 | 53.4 | 48.7 | 42.0 | 26.0 | 954.1 |
| 75° | 40.7 | 43.7 | 42.4 | 40.0 | 41.4 | 46.6 | 21.9 | 976.0 |
| 80° | 30.4 | 28.8 | 26.9 | 28.2 | 29.2 | 29.9 | 15.7 | 991.7 |
| 85° | 15.3 | 15.0 | 14.0 | 14.1 | 14.8 | 16.1 | 8.1 | 999.8 |
| 90° | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.2 | 1000.0 |
| 95° | 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 | 1000.0 |
| 105° | 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 | 1000.0 |
| 115° | 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 | 1000.0 |
| 125° | 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 | 1000.0 |
| 135° | 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 | 1000.0 |
| 145° | 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 | 1000.0 |
| 155° | 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 | 1000.0 |
| 165° | 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 | 1000.0 |
| 175° | 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 | 1000.0 |

Lichttechnischer Prüfbefund

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| Familie Apollon® 31 | Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420 | LP-Nummer 59515_10 |
|-------------------------------|---|------------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| Raumabmessungen | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 15,2 | 16,7 | 15,5 | 17,0 | 17,4 | 15,4 | 17,0 | 15,8 | 17,3 | 17,6 |
| | 3H | 16,0 | 17,3 | 16,3 | 17,7 | 18,0 | 16,3 | 17,6 | 16,6 | 18,0 | 18,3 |
| | 4H | 16,6 | 17,9 | 17,0 | 18,2 | 18,6 | 16,7 | 18,0 | 17,1 | 18,3 | 18,7 |
| | 6H | 17,2 | 18,4 | 17,6 | 18,7 | 19,1 | 17,2 | 18,4 | 17,6 | 18,8 | 19,2 |
| | 8H | 17,4 | 18,6 | 17,9 | 18,9 | 19,3 | 17,5 | 18,6 | 17,9 | 19,0 | 19,4 |
| | 12H | 17,7 | 18,7 | 18,1 | 19,1 | 19,5 | 17,7 | 18,8 | 18,2 | 19,2 | 19,6 |
| 4H | 2H | 15,7 | 17,0 | 16,1 | 17,4 | 17,7 | 15,9 | 17,2 | 16,3 | 17,5 | 17,9 |
| | 3H | 16,7 | 17,8 | 17,2 | 18,2 | 18,6 | 16,9 | 18,0 | 17,4 | 18,4 | 18,8 |
| | 4H | 17,5 | 18,5 | 17,9 | 18,9 | 19,3 | 17,6 | 18,5 | 18,0 | 18,9 | 19,4 |
| | 6H | 18,2 | 19,1 | 18,7 | 19,5 | 20,0 | 18,3 | 19,1 | 18,7 | 19,6 | 20,0 |
| | 8H | 18,6 | 19,3 | 19,0 | 19,8 | 20,2 | 18,6 | 19,4 | 19,1 | 19,8 | 20,3 |
| | 12H | 18,9 | 19,5 | 19,3 | 20,0 | 20,5 | 18,9 | 19,6 | 19,4 | 20,0 | 20,5 |
| 8H | 4H | 17,8 | 18,6 | 18,3 | 19,0 | 19,5 | 17,9 | 18,6 | 18,3 | 19,1 | 19,6 |
| | 6H | 18,7 | 19,3 | 19,2 | 19,8 | 20,3 | 18,8 | 19,4 | 19,2 | 19,9 | 20,4 |
| | 8H | 19,1 | 19,7 | 19,6 | 20,2 | 20,7 | 19,2 | 19,8 | 19,7 | 20,3 | 20,8 |
| | 12H | 19,5 | 20,0 | 20,0 | 20,5 | 21,0 | 19,6 | 20,1 | 20,1 | 20,6 | 21,1 |
| 12H | 4H | 17,9 | 18,5 | 18,3 | 19,0 | 19,5 | 17,9 | 18,6 | 18,4 | 19,1 | 19,6 |
| | 6H | 18,8 | 19,4 | 19,3 | 19,8 | 20,4 | 18,9 | 19,4 | 19,4 | 19,9 | 20,4 |
| | 8H | 19,3 | 19,7 | 19,8 | 20,2 | 20,8 | 19,4 | 19,8 | 19,9 | 20,3 | 20,9 |

| Leuchtdichten-Tabelle | | Lichttechnische Abmessungen in mm: L = 555 B = 555 | | | | | | | | | | | |
|---------------------------------|-----------------------|--|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------|
| Max. für $\gamma \geq 65^\circ$ | | | | | | | | | | | | | |
| C-Ebenen | 0° | 15° 345° | 30° 330° | 45° 315° | 60° 300° | 75° 285° | 90° 270° | 105° 255° | 120° 240° | 135° 225° | 150° 210° | 165° 195° | 180° |
| γ | Leuchtdichte in cd/m² | | | | | | | | | | | | |
| 45° | 3988.1 | 3777.2 | 3724.1 | 3828.7 | 4002.6 | 4044.6 | 3954.9 | 4044.6 | 4002.6 | 3828.7 | 3724.1 | 3777.2 | 3988.1 |
| 50° | 3622.3 | 2991.9 | 2829.0 | 3133.7 | 3525.9 | 3372.2 | 2672.6 | 3372.2 | 3525.9 | 3133.7 | 2829.0 | 2991.9 | 3622.3 |
| 55° | 3096.6 | 2620.9 | 2515.6 | 2780.7 | 3084.2 | 2937.7 | 2341.2 | 2937.7 | 3084.2 | 2780.7 | 2515.6 | 2620.9 | 3096.6 |
| 60° | 2102.3 | 2297.3 | 2460.4 | 2591.7 | 2496.9 | 2434.5 | 2404.5 | 2434.5 | 2496.9 | 2591.7 | 2460.4 | 2297.3 | 2102.3 |
| 65° | 1532.6 | 2001.9 | 2267.5 | 2329.4 | 2003.2 | 1993.0 | 2298.9 | 1993.0 | 2003.2 | 2329.4 | 2267.5 | 2001.9 | 1532.6 |
| 70° | 1595.6 | 1847.2 | 2027.8 | 2137.4 | 1914.0 | 1829.3 | 1883.3 | 1829.3 | 1914.0 | 2137.4 | 2027.8 | 1847.2 | 1595.6 |
| 75° | 2335.6 | 2076.8 | 2006.7 | 2125.3 | 2194.1 | 2042.4 | 1670.3 | 2042.4 | 2194.1 | 2125.3 | 2006.7 | 2076.8 | 2335.6 |
| 80° | 2234.9 | 2181.1 | 2106.8 | 2012.1 | 2156.5 | 2269.9 | 2352.2 | 2269.9 | 2156.5 | 2012.1 | 2106.8 | 2181.1 | 2234.9 |
| 85° | 2395.0 | 2198.8 | 2098.0 | 2092.1 | 2230.3 | 2281.3 | 2245.2 | 2281.3 | 2230.3 | 2092.1 | 2098.0 | 2198.8 | 2395.0 |

Lichttechnischer Prüfbefund

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| Familie Apollon® 31 | Bestell-Nr.: 51MP12W72M42 EAN: 4058352926420 | LP-Nummer 59515_10 |
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Leuchtdichten in cd/m²

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

siteco

