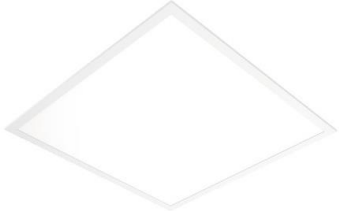
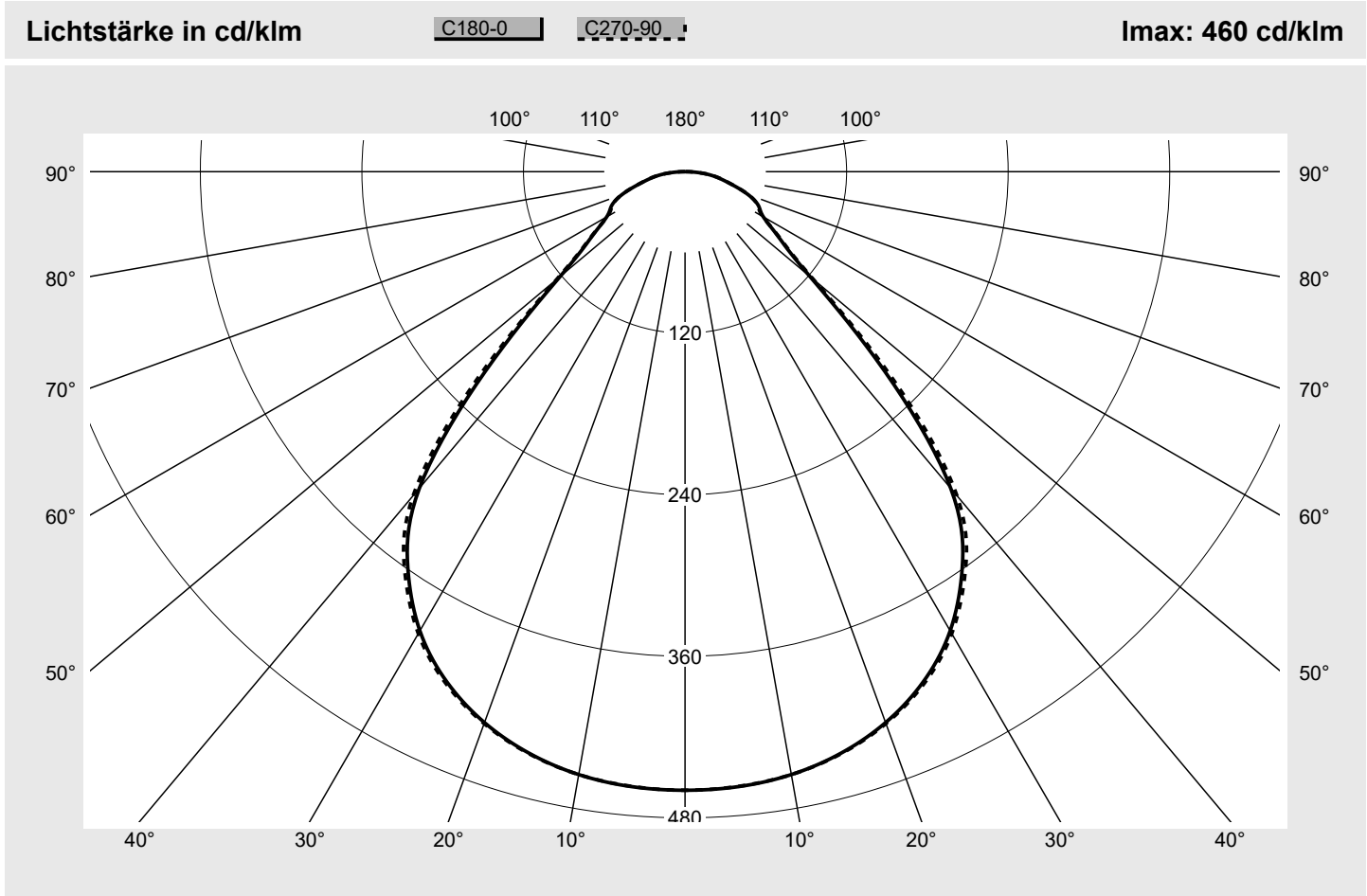


Lichttechnischer Prüfbefund

|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                       |  |                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------|
| <div>Familie</div> <div>Apollon® 41</div> <div>  </div> | <div>Bestell-Nr.: 51MH12WD2M43</div> <div>EAN: 4069025234346</div>                                                                                                                                                                                                                                                                                    |  | <div>LP-Nummer</div> <div>59525_47</div>             |
|                                                                                                                                          | <div>Ausführung</div> <div>Einbauleuchte für Einlegemontage, quadratisch M600, breit strahlend, einstellbare Farbtemperatur: 3000 K   4000 K, UGR≤19 (L65≤3000cd/m²)</div>                                                                                                                                                                            |  | <div>Seriendokumentation</div> <div>22.12.2025</div> |
|                                                                                                                                          | <div>Bestückung</div> <div>LED 4000 K   CRI ≥ 80</div> <div>Betriebsgerät</div> <div>EVG-DALI</div> <div>Einstellung</div> <div>DC Betrieb (Zentral- / Gruppenakku) Initiales Notlichtlevel</div> <div>Bemessungswerte</div> <div> <div>Nettolichtstrom = 530 lm</div> <div>Systemleistung = 4.8 W</div> <div>Lichtausbeute = 110.4 lm/W</div> </div> |  | <div>siteco</div>                                    |



|                   |                   |                               |        |
|-------------------|-------------------|-------------------------------|--------|
| Klassifizierungen |                   | Leuchtenbetriebswirkungsgrade |        |
| DIN 5040          | A 5 0             | $\eta_{LB}$                   | 100,0% |
| CIE               | N1=61 N2=87 N3=97 | $\phi_u$                      | 100,0% |
|                   | N4=100 N5=100     | $\phi_o$                      | 0,0%   |

|                           |
|---------------------------|
| Messbedingungen           |
| DIN EN 13032 und DIN 5032 |

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|                                 |                                                 |                       |
|---------------------------------|-------------------------------------------------|-----------------------|
| Familie<br>Apollon® 41          | Bestell-Nr.: 51MH12WD2M43<br>EAN: 4069025234346 | LP-Nummer<br>59525_47 |
| Wertetabelle Lichtstärkemessung |                                                 | Maximale Lichtstärke  |

siteco

| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom 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            |

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|                        |     |                                     |                                                 |      |      |      |                                       |      |                       |      |      |
|------------------------|-----|-------------------------------------|-------------------------------------------------|------|------|------|---------------------------------------|------|-----------------------|------|------|
| Familie<br>Apollon® 41 |     |                                     | Bestell-Nr.: 51MH12WD2M43<br>EAN: 4069025234346 |      |      |      |                                       |      | LP-Nummer<br>59525_47 |      |      |
| UGR-Tabelle            |     |                                     | Standardraum                                    |      |      |      |                                       |      | siteco                |      |      |
| Reflexionsgrad Decke   |     | 0,7                                 | 0,7                                             | 0,5  | 0,5  | 0,3  | 0,7                                   | 0,7  | 0,5                   | 0,5  | 0,3  |
| Reflexionsgrad Wände   |     | 0,5                                 | 0,3                                             | 0,5  | 0,3  | 0,3  | 0,5                                   | 0,3  | 0,5                   | 0,3  | 0,3  |
| Reflexionsgrad Boden   |     | 0,2                                 | 0,2                                             | 0,2  | 0,2  | 0,2  | 0,2                                   | 0,2  | 0,2                   | 0,2  | 0,2  |
| Raumabmessungen        |     | Blickrichtung quer zur Leuchte (C0) |                                                 |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |                       |      |      |
| x                      | y   |                                     |                                                 |      |      |      |                                       |      |                       |      |      |
| 2H                     | 2H  | 8,3                                 | 9,8                                             | 8,6  | 10,1 | 10,4 | 8,3                                   | 9,8  | 8,6                   | 10,1 | 10,5 |
|                        | 3H  | 9,2                                 | 10,6                                            | 9,6  | 10,9 | 11,3 | 9,2                                   | 10,6 | 9,6                   | 10,9 | 11,3 |
|                        | 4H  | 9,6                                 | 10,9                                            | 10,0 | 11,3 | 11,7 | 9,6                                   | 10,9 | 10,0                  | 11,3 | 11,7 |
|                        | 6H  | 10,0                                | 11,2                                            | 10,4 | 11,6 | 12,0 | 10,0                                  | 11,2 | 10,5                  | 11,6 | 12,0 |
|                        | 8H  | 10,2                                | 11,3                                            | 10,7 | 11,7 | 12,1 | 10,3                                  | 11,4 | 10,7                  | 11,7 | 12,1 |
|                        | 12H | 10,4                                | 11,4                                            | 10,8 | 11,8 | 12,2 | 10,4                                  | 11,4 | 10,8                  | 11,8 | 12,2 |
| 4H                     | 2H  | 8,8                                 | 10,1                                            | 9,2  | 10,5 | 10,8 | 8,8                                   | 10,1 | 9,2                   | 10,5 | 10,8 |
|                        | 3H  | 10,0                                | 11,1                                            | 10,4 | 11,5 | 11,9 | 10,0                                  | 11,1 | 10,4                  | 11,5 | 11,9 |
|                        | 4H  | 10,7                                | 11,6                                            | 11,1 | 12,0 | 12,5 | 10,6                                  | 11,6 | 11,1                  | 12,0 | 12,5 |
|                        | 6H  | 11,2                                | 12,0                                            | 11,6 | 12,5 | 12,9 | 11,1                                  | 12,0 | 11,6                  | 12,4 | 12,9 |
|                        | 8H  | 11,4                                | 12,2                                            | 11,9 | 12,6 | 13,1 | 11,4                                  | 12,2 | 11,8                  | 12,6 | 13,1 |
|                        | 12H | 11,6                                | 12,3                                            | 12,1 | 12,7 | 13,2 | 11,6                                  | 12,3 | 12,1                  | 12,7 | 13,2 |
| 8H                     | 4H  | 11,0                                | 11,8                                            | 11,5 | 12,2 | 12,7 | 11,0                                  | 11,8 | 11,4                  | 12,2 | 12,7 |
|                        | 6H  | 11,7                                | 12,3                                            | 12,1 | 12,8 | 13,3 | 11,6                                  | 12,3 | 12,1                  | 12,7 | 13,2 |
|                        | 8H  | 12,0                                | 12,5                                            | 12,5 | 13,0 | 13,5 | 11,9                                  | 12,5 | 12,4                  | 13,0 | 13,5 |
|                        | 12H | 12,3                                | 12,7                                            | 12,8 | 13,2 | 13,8 | 12,2                                  | 12,7 | 12,7                  | 13,2 | 13,7 |
| 12H                    | 4H  | 11,1                                | 11,7                                            | 11,5 | 12,2 | 12,7 | 11,0                                  | 11,7 | 11,5                  | 12,2 | 12,7 |
|                        | 6H  | 11,7                                | 12,3                                            | 12,2 | 12,8 | 13,3 | 11,7                                  | 12,3 | 12,2                  | 12,7 | 13,3 |
|                        | 8H  | 12,1                                | 12,6                                            | 12,6 | 13,1 | 13,6 | 12,1                                  | 12,5 | 12,6                  | 13,0 | 13,6 |

| Leuchtdichten-Tabelle |                       | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische Abmessungen in mm: |                             | L = 555<br>B = 555          |             |
|-----------------------|-----------------------|---------------------------------|-----------------------------|------------------------------------|-----------------------------|-----------------------------|-------------|
| C-<br>Ebenen          | 0°<br>180°            | 15°<br>165°<br>195°<br>345°     | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315°        | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° |
| $\gamma$              | Leuchtdichte in cd/m² |                                 |                             |                                    |                             |                             |             |
| 45°                   | 510.8                 | 534.2                           | 557.6                       | 556.1                              | 554.5                       | 544.2                       | 533.9       |
| 50°                   | 324.0                 | 409.1                           | 494.2                       | 494.1                              | 494.0                       | 413.4                       | 332.8       |
| 55°                   | 255.1                 | 342.2                           | 429.2                       | 427.7                              | 426.2                       | 342.3                       | 258.5       |
| 60°                   | 231.2                 | 294.3                           | 357.4                       | 357.4                              | 357.4                       | 293.3                       | 229.1       |
| 65°                   | 245.5                 | 273.3                           | 301.1                       | 300.2                              | 299.4                       | 271.2                       | 243.1       |
| 70°                   | 250.8                 | 272.5                           | 294.2                       | 290.9                              | 287.6                       | 270.0                       | 252.3       |
| 75°                   | 233.5                 | 270.8                           | 308.1                       | 303.9                              | 299.7                       | 267.5                       | 235.2       |
| 80°                   | 239.3                 | 248.8                           | 258.3                       | 253.2                              | 248.1                       | 246.6                       | 245.2       |
| 85°                   | 256.1                 | 279.1                           | 302.1                       | 300.4                              | 298.6                       | 277.0                       | 255.3       |

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|                                                                                                                                 |                                                               |                                     |                   |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|-------------------|
| <b>Familie</b><br><b>Apollon® 41</b>                                                                                            | <b>Bestell-Nr.: 51MH12WD2M43</b><br><b>EAN: 4069025234346</b> | <b>LP-Nummer</b><br><b>59525_47</b> |                   |
| <b>Leuchtdichten in cd/m²</b> <div> <div>γ 65°</div> <div>γ 70°</div> <div>γ 75°</div> <div>γ 80°</div> <div>γ 85°</div> </div> |                                                               |                                     | <div>siteco</div> |

