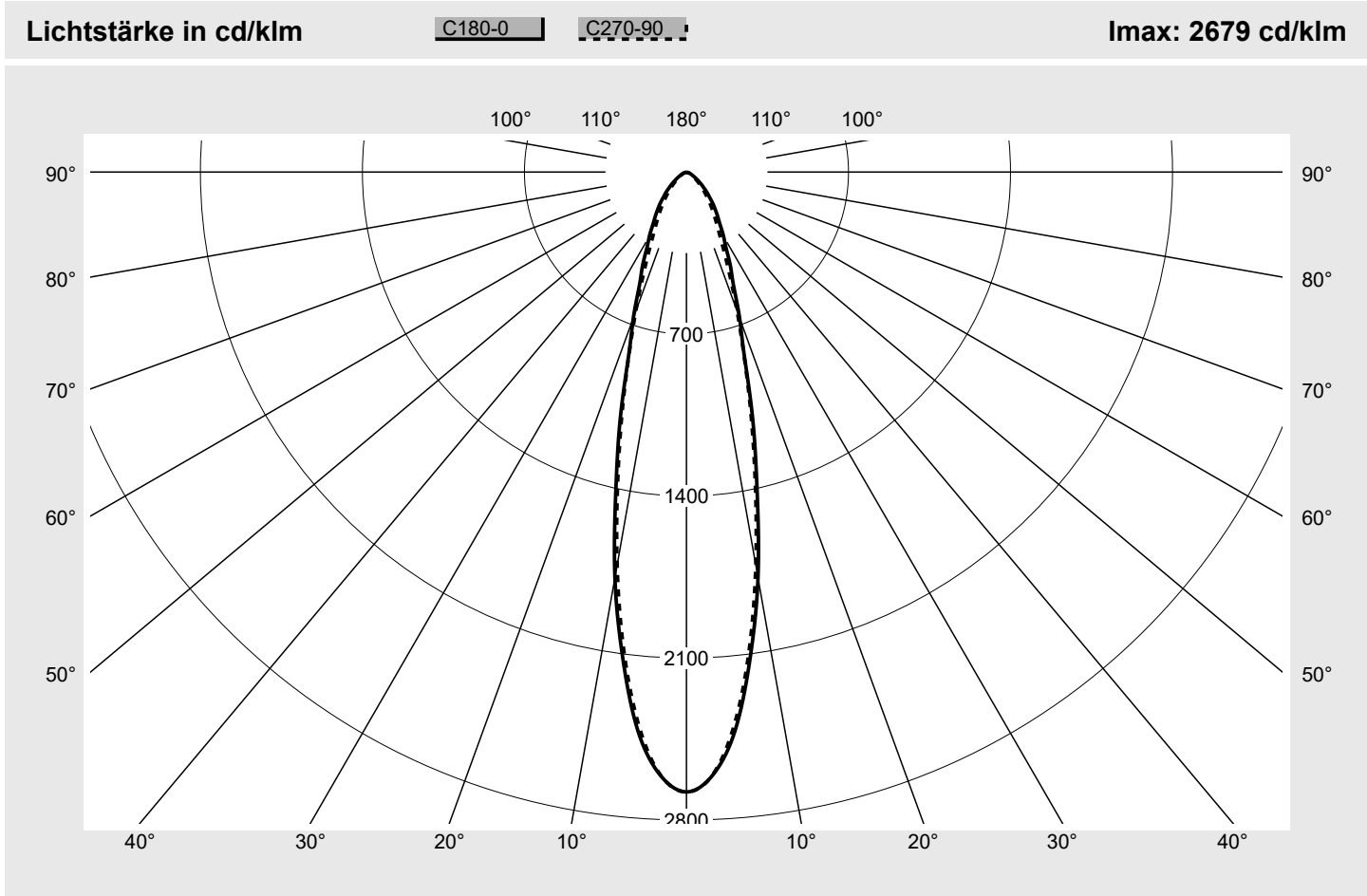


Lichttechnischer Prüfbefund

| | | |
|-------------------------------------|--|---|
| Familie Highbay 11 | Bestell-Nr.: 51HN31DA4KDA EAN: 4069025431059 | LP-Nummer 59711_186 |
| | Ausführung primäre Lichtlenkung mit Linse, PMMA, Gehäuse, schwarz, eng strahlend Bestückung LED 4000 K CRI ≥ 80 Betriebsgerät EVG-DALI Einstellung DC Betrieb (Zentral- / Gruppenakku) Initiales Notlichtlevel Bemessungswerte Nettolichtstrom = 3650 lm Systemleistung = 18.3 W Lichtausbeute = 199.5 lm/W | Seriendokumentation 14.02.2025 |
| | |  |



| Klassifizierungen | |
|-------------------|-------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=85 N2=97 N3=100 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 Highbay 11 | Bestell-Nr.: 51HN31DA4KDA EAN: 4069025431059 | LP-Nummer 59711_186 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeCO |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|-----------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| γ | | | | | | | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| 0,0° | 2678.6 | 2678.6 | 2678.6 | 2678.6 | 2678.6 | 2678.6 | 2678.6 | 4.0 | 4.0 |
| 2,5° | 2608.0 | 2619.4 | 2619.4 | 2616.5 | 2617.6 | 2616.2 | 2606.1 | 31.3 | 35.3 |
| 5,0° | 2420.1 | 2415.7 | 2414.1 | 2408.4 | 2406.6 | 2402.3 | 2391.7 | 57.6 | 92.8 |
| 7,5° | 2113.4 | 2116.1 | 2112.3 | 2103.0 | 2097.6 | 2090.5 | 2079.6 | 75.2 | 168.1 |
| 10,0° | 1780.1 | 1768.7 | 1762.7 | 1751.6 | 1743.6 | 1735.2 | 1724.7 | 83.4 | 251.5 |
| 12,5° | 1410.1 | 1409.3 | 1404.7 | 1395.9 | 1388.1 | 1380.5 | 1373.1 | 82.8 | 334.3 |
| 15,0° | 1106.5 | 1097.8 | 1095.0 | 1089.4 | 1083.1 | 1078.4 | 1073.9 | 77.3 | 411.5 |
| 17,5° | 830.1 | 840.2 | 835.5 | 831.1 | 826.6 | 824.9 | 824.1 | 68.5 | 480.0 |
| 20,0° | 671.1 | 661.9 | 651.8 | 643.2 | 639.9 | 639.4 | 641.0 | 60.8 | 540.8 |
| 22,5° | 531.9 | 530.5 | 514.2 | 498.9 | 497.0 | 496.6 | 496.8 | 53.4 | 594.2 |
| 25,0° | 450.6 | 441.3 | 420.6 | 401.3 | 399.0 | 395.8 | 392.4 | 47.9 | 642.1 |
| 27,5° | 370.8 | 368.7 | 351.4 | 331.7 | 326.8 | 321.1 | 316.0 | 43.1 | 685.2 |
| 30,0° | 320.4 | 312.1 | 300.8 | 284.1 | 278.0 | 270.2 | 264.7 | 39.7 | 724.9 |
| 32,5° | 271.0 | 266.8 | 259.0 | 245.6 | 238.0 | 229.0 | 224.7 | 36.5 | 761.4 |
| 35,0° | 235.8 | 228.9 | 222.7 | 210.5 | 201.6 | 193.0 | 191.7 | 33.3 | 794.7 |
| 37,5° | 204.4 | 197.8 | 191.5 | 181.1 | 172.0 | 164.3 | 162.4 | 30.3 | 825.0 |
| 40,0° | 176.7 | 170.7 | 163.1 | 154.3 | 146.1 | 138.3 | 135.6 | 27.3 | 852.2 |
| 42,5° | 147.6 | 145.5 | 138.6 | 130.6 | 123.2 | 115.8 | 113.3 | 24.2 | 876.4 |
| 45,0° | 126.0 | 121.8 | 116.3 | 109.0 | 102.0 | 95.3 | 93.2 | 21.1 | 897.6 |
| 47,5° | 103.2 | 101.5 | 97.1 | 90.9 | 84.6 | 78.4 | 76.7 | 18.3 | 915.9 |
| 50,0° | 85.9 | 82.9 | 79.4 | 74.6 | 69.1 | 63.7 | 61.9 | 15.5 | 931.4 |
| 52,5° | 69.0 | 67.2 | 64.5 | 61.0 | 56.2 | 51.6 | 49.7 | 13.0 | 944.4 |
| 55,0° | 55.6 | 54.1 | 52.2 | 49.5 | 45.7 | 41.7 | 40.0 | 10.9 | 955.3 |
| 57,5° | 43.6 | 43.1 | 41.8 | 39.8 | 37.0 | 33.6 | 32.2 | 9.0 | 964.3 |
| 60,0° | 33.2 | 33.3 | 33.9 | 32.4 | 30.5 | 27.5 | 26.1 | 7.4 | 971.7 |
| 62,5° | 25.9 | 26.0 | 27.0 | 26.2 | 25.1 | 22.4 | 21.3 | 6.1 | 977.8 |
| 65,0° | 21.6 | 21.2 | 21.7 | 21.3 | 20.9 | 18.8 | 17.7 | 5.1 | 982.9 |
| 67,5° | 17.0 | 17.1 | 17.8 | 17.0 | 17.3 | 15.6 | 14.8 | 4.3 | 987.2 |
| 70,0° | 13.5 | 13.4 | 14.4 | 13.6 | 14.1 | 13.0 | 12.4 | 3.5 | 990.7 |
| 72,5° | 11.0 | 10.8 | 10.9 | 10.9 | 11.0 | 10.7 | 10.6 | 2.8 | 993.5 |
| 75,0° | 9.0 | 8.4 | 8.4 | 8.3 | 8.6 | 9.0 | 8.9 | 2.3 | 995.8 |
| 77,5° | 6.6 | 6.4 | 6.2 | 6.2 | 6.6 | 7.3 | 7.4 | 1.8 | 997.5 |
| 80,0° | 4.4 | 4.2 | 4.1 | 4.2 | 4.7 | 5.7 | 5.8 | 1.3 | 998.8 |
| 82,5° | 2.0 | 2.1 | 2.2 | 2.4 | 3.0 | 3.9 | 4.1 | 0.8 | 999.6 |
| 85,0° | 0.8 | 0.8 | 0.8 | 1.0 | 1.5 | 2.2 | 2.4 | 0.4 | 999.9 |
| 87,5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.1 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

Lichttechnischer Prüfbefund

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|------------------------------|---|-------------------------------|
| Familie Highbay 11 | Bestell-Nr.: 51HN31DA4KDA EAN: 4069025431059 | LP-Nummer 59711_186 |
| 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 | 14,0 | 15,2 | 14,3 | 15,5 | 15,8 | 12,8 | 14,0 | 13,2 | 14,3 | 14,6 |
| | 3H | 14,2 | 15,2 | 14,6 | 15,6 | 15,9 | 13,1 | 14,1 | 13,5 | 14,5 | 14,8 |
| | 4H | 14,3 | 15,2 | 14,7 | 15,6 | 16,0 | 13,2 | 14,2 | 13,6 | 14,5 | 14,9 |
| | 6H | 14,4 | 15,2 | 14,8 | 15,6 | 15,9 | 13,4 | 14,2 | 13,8 | 14,6 | 15,0 |
| | 8H | 14,4 | 15,1 | 14,8 | 15,5 | 15,9 | 13,5 | 14,2 | 13,9 | 14,6 | 15,0 |
| | 12H | 14,4 | 15,0 | 14,8 | 15,4 | 15,8 | 13,5 | 14,2 | 13,9 | 14,6 | 15,0 |
| 4H | 2H | 14,0 | 15,0 | 14,4 | 15,3 | 15,7 | 13,0 | 13,9 | 13,4 | 14,3 | 14,7 |
| | 3H | 14,4 | 15,1 | 14,8 | 15,5 | 16,0 | 13,4 | 14,2 | 13,8 | 14,6 | 15,0 |
| | 4H | 14,5 | 15,2 | 14,9 | 15,6 | 16,0 | 13,6 | 14,3 | 14,0 | 14,7 | 15,1 |
| | 6H | 14,6 | 15,1 | 15,0 | 15,6 | 16,0 | 13,8 | 14,4 | 14,2 | 14,8 | 15,3 |
| | 8H | 14,5 | 15,1 | 15,0 | 15,5 | 16,0 | 13,9 | 14,4 | 14,3 | 14,8 | 15,3 |
| | 12H | 14,5 | 15,0 | 15,0 | 15,4 | 15,9 | 13,9 | 14,4 | 14,4 | 14,8 | 15,3 |
| 8H | 4H | 14,5 | 15,0 | 14,9 | 15,4 | 15,9 | 13,6 | 14,1 | 14,1 | 14,6 | 15,1 |
| | 6H | 14,5 | 15,0 | 15,0 | 15,4 | 16,0 | 13,8 | 14,3 | 14,3 | 14,7 | 15,3 |
| | 8H | 14,5 | 14,9 | 15,0 | 15,4 | 15,9 | 13,9 | 14,3 | 14,4 | 14,8 | 15,3 |
| | 12H | 14,5 | 14,8 | 15,0 | 15,3 | 15,9 | 14,0 | 14,3 | 14,5 | 14,8 | 15,4 |
| 12H | 4H | 14,4 | 14,9 | 14,9 | 15,3 | 15,8 | 13,6 | 14,0 | 14,1 | 14,5 | 15,0 |
| | 6H | 14,5 | 14,9 | 15,0 | 15,4 | 15,9 | 13,8 | 14,2 | 14,3 | 14,7 | 15,2 |
| | 8H | 14,5 | 14,8 | 15,0 | 15,3 | 15,9 | 13,9 | 14,2 | 14,4 | 14,7 | 15,3 |

| | | | |
|------------------------------|---------------------------------|---|--------------------|
| Leuchtdichten-Tabelle | Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: | L = 426 B = 264 |
|------------------------------|---------------------------------|---|--------------------|

| C-Ebenen | γ | Leuchtdichte 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° | |
| 45,0° | | 5782.6 | 5589.6 | 5337.8 | 5003.9 | 4681.7 | 4375.4 | 4277.5 | |
| 50,0° | | 4335.0 | 4184.1 | 4006.9 | 3769.0 | 3486.4 | 3214.1 | 3123.2 | |
| 55,0° | | 3145.5 | 3060.4 | 2954.3 | 2800.9 | 2585.1 | 2359.6 | 2264.8 | |
| 60,0° | | 2158.2 | 2160.5 | 2200.7 | 2102.6 | 1977.5 | 1784.2 | 1695.1 | |
| 65,0° | | 1657.0 | 1629.0 | 1666.0 | 1639.0 | 1604.4 | 1441.8 | 1362.9 | |
| 70,0° | | 1283.8 | 1268.3 | 1362.5 | 1286.7 | 1335.3 | 1229.3 | 1174.9 | |
| 75,0° | | 1125.4 | 1056.2 | 1058.6 | 1044.3 | 1077.4 | 1123.4 | 1121.4 | |
| 80,0° | | 821.1 | 790.6 | 764.8 | 778.6 | 870.0 | 1056.5 | 1078.0 | |
| 85,0° | | 303.9 | 300.1 | 313.9 | 354.9 | 544.8 | 802.1 | 909.0 | |

Lichttechnischer Prüfbefund

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

Leuchtdichten in cd/m²

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

siteco

