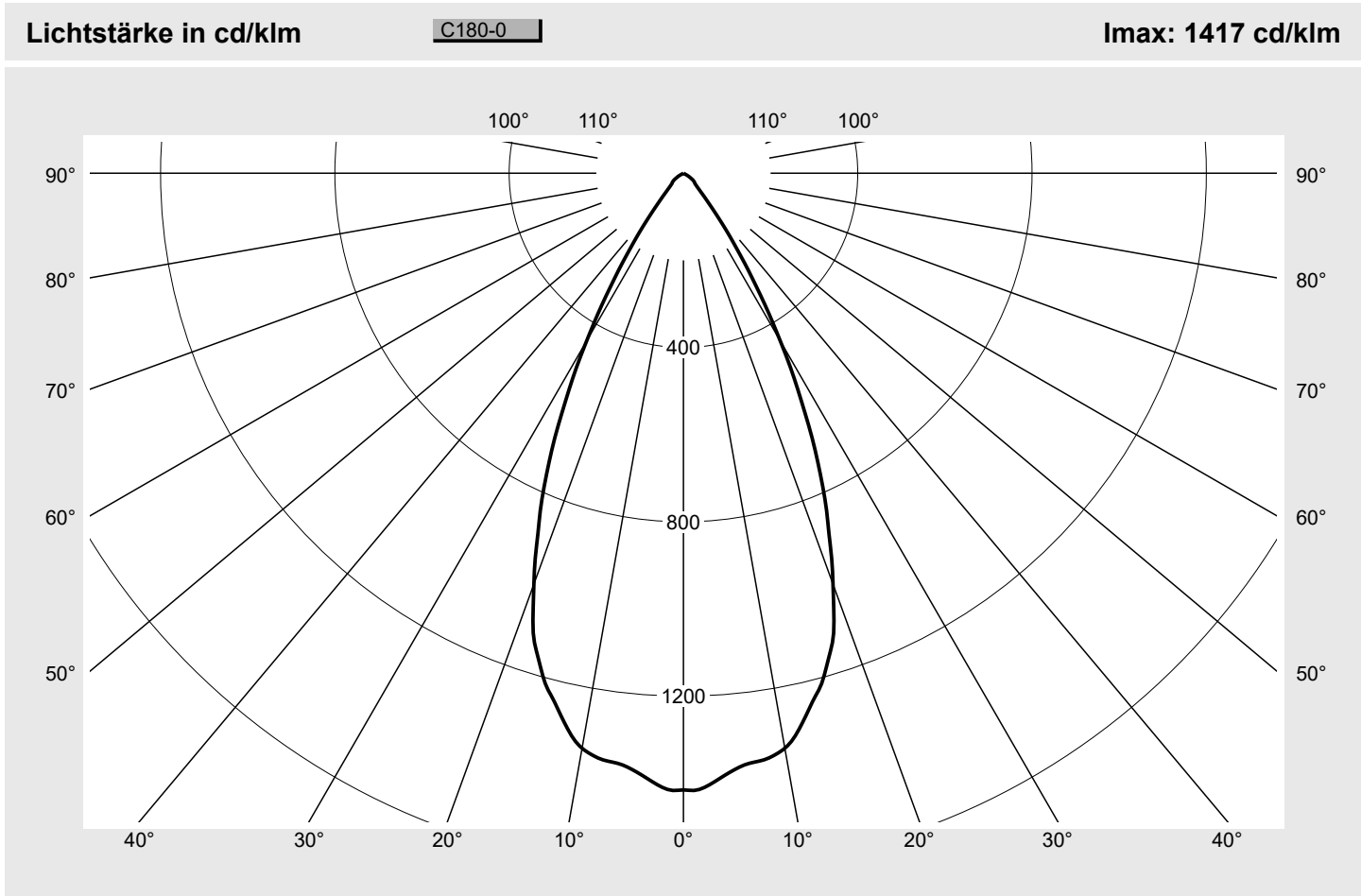


Lichttechnischer Prüfbefund

| | | |
|---|--|---|
| Familie Lunis 21  | Bestell-Nr.: 51DB15EA91C EAN: 4069025013446 | LP-Nummer 59573_25 |
| | Ausführung Einbauleuchte, Kombinierte Linsen und Reflektor Optik, Reflektor, hochglänzend, rotations-symmetrisch, medium strahlend, einstellbare Farbtemperatur: 3000K 4000K 6500K, UGR≤19 (L65≤3000cd/m²) | Bestückung LED 4000 K CRI ≥ 80 |
| | Betriebsgerät EVG-Multilumen |  |
| | Einstellung Werkseinstellung: DIP-Stufe=1, Farbtemperatur 4000K | |
| | Bemessungswerte Nettolichtstrom = 960 lm Systemleistung = 6.0 W Lichtausbeute = 160 lm/W | |



| Klassifizierungen | |
|-------------------|--------------------------------------|
| DIN 5040 | A 7 0 |
| CIE | N1=95 N2=100 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 Lunis 21 | Bestell-Nr.: 51DB15EA91C EAN: 4069025013446 | LP-Nummer 59573_25 |
|----------------------------|--|-------------------------------------|

| | | |
|--|-----------------------------|---------------|
| Wertetabelle Lichtstärkemessung | Maximale Lichtstärke | siteco |
|--|-----------------------------|---------------|

| C-Ebenen | 0° | Phi-Zone | Summe Phi-Zone | C-Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|----------|-----------------------|----------------------|----------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | | γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 0° | 1415.3 | 0.3 | 0.3 | 47° | 38.2 | 3.1 | 970.4 |
| 1° | 1416.8 | 2.7 | 3.1 | 48° | 35.6 | 2.9 | 973.3 |
| 2° | 1409.9 | 5.4 | 8.4 | 49° | 34.3 | 2.8 | 976.1 |
| 3° | 1397.4 | 8.0 | 16.5 | 50° | 33.5 | 2.8 | 978.9 |
| 4° | 1384.1 | 10.6 | 27.1 | 51° | 32.0 | 2.7 | 981.7 |
| 5° | 1372.7 | 13.1 | 40.2 | 52° | 30.5 | 2.6 | 984.3 |
| 6° | 1364.4 | 15.6 | 55.8 | 53° | 28.9 | 2.5 | 986.8 |
| 7° | 1361.0 | 18.2 | 74.0 | 54° | 26.7 | 2.4 | 989.2 |
| 8° | 1358.1 | 20.7 | 94.7 | 55° | 24.2 | 2.2 | 991.4 |
| 9° | 1350.7 | 23.2 | 117.9 | 56° | 20.9 | 1.9 | 993.3 |
| 10° | 1340.1 | 25.5 | 143.4 | 57° | 18.3 | 1.7 | 994.9 |
| 11° | 1322.2 | 27.7 | 171.1 | 58° | 16.1 | 1.5 | 996.4 |
| 12° | 1296.4 | 29.6 | 200.6 | 59° | 13.5 | 1.3 | 997.7 |
| 13° | 1268.5 | 31.3 | 231.9 | 60° | 9.6 | 0.9 | 998.6 |
| 14° | 1241.6 | 32.9 | 264.9 | 61° | 6.6 | 0.6 | 999.2 |
| 15° | 1217.8 | 34.6 | 299.4 | 62° | 4.1 | 0.4 | 999.7 |
| 16° | 1184.9 | 35.8 | 335.3 | 63° | 2.1 | 0.2 | 999.9 |
| 17° | 1150.7 | 36.9 | 372.1 | 64° | 0.7 | 0.1 | 999.9 |
| 18° | 1114.5 | 37.8 | 409.9 | 65° | 0.3 | 0.0 | 1000.0 |
| 19° | 1059.7 | 37.8 | 447.7 | 66° | 0.3 | 0.0 | 1000.0 |
| 20° | 1003.6 | 37.6 | 485.4 | 67° | 0.0 | 0.0 | 1000.0 |
| 21° | 949.8 | 37.3 | 522.7 | 68° | 0.0 | 0.0 | 1000.0 |
| 22° | 891.3 | 36.6 | 559.3 | 69° | 0.1 | 0.0 | 1000.0 |
| 23° | 840.7 | 36.0 | 595.4 | 70° | 0.0 | 0.0 | 1000.0 |
| 24° | 785.1 | 35.0 | 630.4 | 71° | 0.0 | 0.0 | 1000.0 |
| 25° | 728.0 | 33.7 | 664.1 | 72° | 0.0 | 0.0 | 1000.0 |
| 26° | 670.9 | 32.3 | 696.4 | 73° | 0.0 | 0.0 | 1000.0 |
| 27° | 609.9 | 30.4 | 726.7 | 74° | 0.0 | 0.0 | 1000.0 |
| 28° | 554.4 | 28.5 | 755.3 | 75° | 0.0 | 0.0 | 1000.0 |
| 29° | 500.5 | 26.6 | 781.9 | 76° | 0.0 | 0.0 | 1000.0 |
| 30° | 444.1 | 24.4 | 806.2 | 77° | 0.0 | 0.0 | 1000.0 |
| 31° | 393.2 | 22.2 | 828.4 | 78° | 0.0 | 0.0 | 1000.0 |
| 32° | 344.6 | 20.0 | 848.5 | 79° | 0.0 | 0.0 | 1000.0 |
| 33° | 297.9 | 17.8 | 866.2 | 80° | 0.0 | 0.0 | 1000.0 |
| 34° | 258.6 | 15.9 | 882.1 | 81° | 0.0 | 0.0 | 1000.0 |
| 35° | 219.9 | 13.8 | 895.9 | 82° | 0.0 | 0.0 | 1000.0 |
| 36° | 188.6 | 12.2 | 908.1 | 83° | 0.0 | 0.0 | 1000.0 |
| 37° | 159.9 | 10.6 | 918.7 | 84° | 0.0 | 0.0 | 1000.0 |
| 38° | 133.0 | 9.0 | 927.6 | 85° | 0.0 | 0.0 | 1000.0 |
| 39° | 111.0 | 7.7 | 935.3 | 86° | 0.0 | 0.0 | 1000.0 |
| 40° | 92.3 | 6.5 | 941.8 | 87° | 0.0 | 0.0 | 1000.0 |
| 41° | 78.5 | 5.6 | 947.4 | 88° | 0.0 | 0.0 | 1000.0 |
| 42° | 67.1 | 4.9 | 952.4 | 89° | 0.0 | 0.0 | 1000.0 |
| 43° | 57.6 | 4.3 | 956.7 | 90° | 0.0 | 0.0 | 1000.0 |
| 44° | 50.8 | 3.9 | 960.5 | 91° | 0.0 | 0.0 | 1000.0 |
| 45° | 45.3 | 3.5 | 964.1 | 180° | 0.0 | 0.0 | 1000.0 |
| 46° | 41.3 | 3.3 | 967.3 | | | | |

Lichttechnischer Prüfbefund

| | | |
|----------------------------|--|------------------------------|
| Familie Lunis 21 | Bestell-Nr.: 51DB15EA91C EAN: 4069025013446 | LP-Nummer 59573_25 |
|----------------------------|--|------------------------------|

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

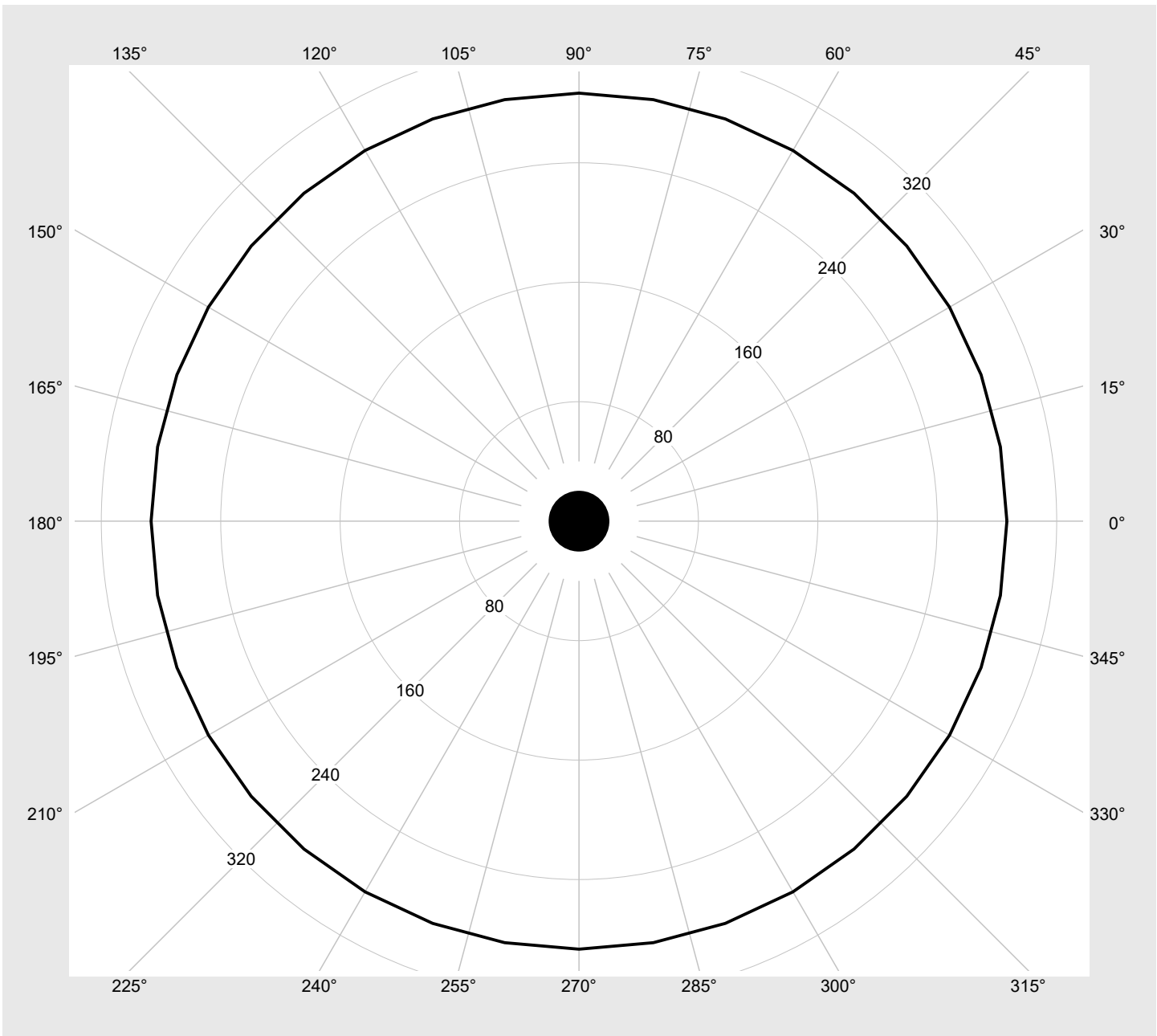
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 57

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45° | 24076.5 |
| 50° | 19613.3 |
| 55° | 15840.1 |
| 60° | 7215.7 |
| 65° | 286.6 |
| 70° | 0.0 |
| 75° | 0.0 |
| 80° | 0.0 |
| 85° | 0.0 |

Lichttechnischer Prüfbefund

| | | |
|----------------------------|--|-------------------------------------|
| Familie Lunis 21 | Bestell-Nr.: 51DB15EA91C EAN: 4069025013446 | LP-Nummer 59573_25 |
|----------------------------|--|-------------------------------------|

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



Lichttechnischer Prüfbefund

Familie
Lunis 21

Bestell-Nr.: 51DB15EA91C
EAN: 4069025013446

LP-Nummer
59573_25

Multilumen-Tabelle

Umgebungstemperatur: 25°C



| DIP-Stufe | Schalterstellung | | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | | |
| 2 | OFF | OFF | ON | OFF | 1260 | 8.0 |
| 1 | OFF | OFF | OFF | ON | 960 | 6.0 |
| 0 | OFF | OFF | OFF | OFF | 690 | 4.4 |