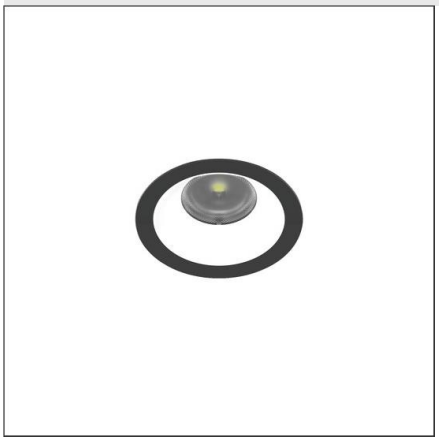
# Lichttechnischer Prüfbefund

**Familie**
## Lunis 21 XL



## Bestell-Nr.: 51DB32MF13D1D
## EAN: 4069025789839

| | |
|---|---|
| **Ausführung** | Einbauleuchte, Kombinierte Linsen und Reflektor Optik, Reflektor, weiß, rotationssymmetrisch, medium strahlend, UGR≤19 |
| **Bestückung** | LED 4000 K \| CRI ≥ 90 |
| **Betriebsgerät** | EVG-Multilumen |
| **Einstellung** | Werkseinstellung: DIP-Stufe=1 |
| **Bemessungswerte** | Nettolichtstrom = 2670 lm<br>Systemleistung = 15.1 W<br>Lichtausbeute = 176.8 lm/W |

**LP-Nummer**
**59998_7**

**Seriendokumentation**
**25.03.2026**

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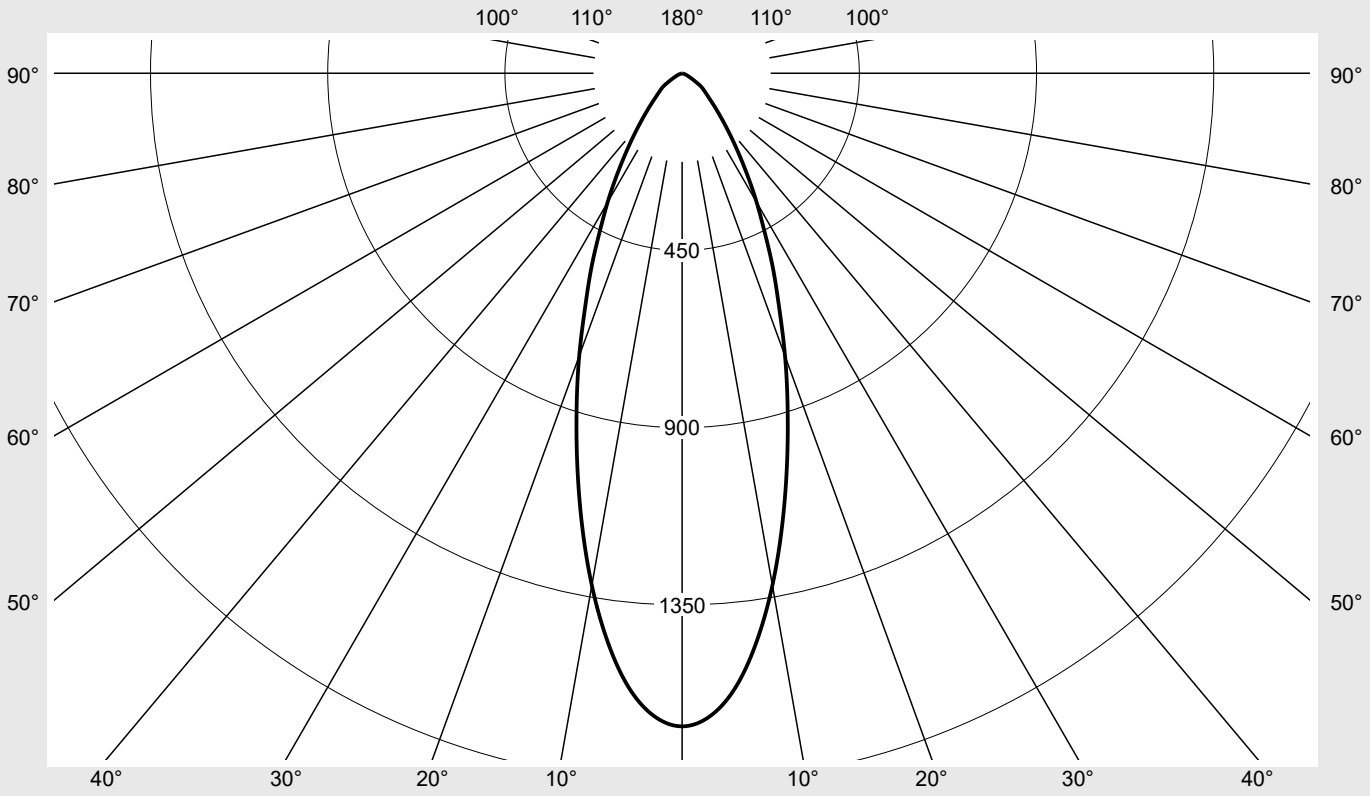
## Lichtstärke in cd/klm

C180-0

**Imax: 1658 cd/klm**




**Klassifizierungen**

| | |
|---|---|
| DIN 5040 | A 7 0 |
| CIE | N1=85 N2=97 N3=100<br>N4=100 N5=100 |

**Leuchtenbetriebswirkungsgrade**

| | |
|---|---|
| $\eta_{LB}$ | 100,0% |
| $\phi_u$ | 100,0% |
| $\phi_o$ | 0,0% |

**Messbedingungen**

DIN EN 13032 und DIN 5032

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## Wertetabelle Lichtstärkemessung

Maximale Lichtstärke

| C-Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|---|---|---|---|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 0,0° | 1658.5 | 2.5 | 2.5 |
| 2,5° | 1633.9 | 19.5 | 22.0 |
| 5,0° | 1564.5 | 37.4 | 59.4 |
| 7,5° | 1454.0 | 52.0 | 111.4 |
| 10,0° | 1320.4 | 62.9 | 174.3 |
| 12,5° | 1174.6 | 69.7 | 244.0 |
| 15,0° | 1028.8 | 73.0 | 317.0 |
| 17,5° | 891.0 | 73.4 | 390.4 |
| 20,0° | 764.1 | 71.6 | 462.1 |
| 22,5° | 643.9 | 67.6 | 529.6 |
| 25,0° | 545.5 | 63.2 | 592.8 |
| 27,5° | 452.9 | 57.3 | 650.1 |
| 30,0° | 378.5 | 51.9 | 702.0 |
| 32,5° | 310.9 | 45.8 | 747.8 |
| 35,0° | 253.3 | 39.8 | 787.6 |
| 37,5° | 205.7 | 34.3 | 822.0 |
| 40,0° | 167.0 | 29.4 | 851.4 |
| 42,5° | 136.1 | 25.2 | 876.6 |
| 45,0° | 111.8 | 21.7 | 898.3 |
| 47,5° | 92.4 | 18.7 | 916.9 |
| 50,0° | 79.0 | 16.6 | 933.5 |
| 52,5° | 68.5 | 14.9 | 948.4 |
| 55,0° | 58.2 | 13.1 | 961.5 |
| 57,5° | 42.4 | 9.8 | 971.3 |
| 60,0° | 30.9 | 7.3 | 978.6 |
| 62,5° | 22.1 | 5.4 | 984.0 |
| 65,0° | 16.0 | 4.0 | 988.0 |
| 67,5° | 11.8 | 3.0 | 991.0 |
| 70,0° | 8.8 | 2.3 | 993.2 |
| 72,5° | 6.5 | 1.7 | 994.9 |
| 75,0° | 5.4 | 1.4 | 996.4 |
| 77,5° | 4.5 | 1.2 | 997.6 |
| 80,0° | 3.6 | 1.0 | 998.6 |
| 82,5° | 2.7 | 0.7 | 999.3 |
| 85,0° | 1.7 | 0.5 | 999.8 |
| 87,5° | 0.9 | 0.2 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 1000.0 |

# Lichttechnischer Prüfbefund

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## UGR-Tabelle

Standardraum

| 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 x | y | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| 2H | 2H | 18,0 | 19,2 | 18,4 | 19,5 | 19,9 | 18,0 | 19,2 | 18,4 | 19,5 | 19,9 |
| | 3H | 18,0 | 19,1 | 18,4 | 19,5 | 19,8 | 18,0 | 19,1 | 18,4 | 19,5 | 19,8 |
| | 4H | 18,0 | 19,0 | 18,4 | 19,4 | 19,7 | 18,0 | 19,0 | 18,4 | 19,4 | 19,7 |
| | 6H | 18,0 | 18,9 | 18,4 | 19,3 | 19,7 | 18,0 | 18,9 | 18,4 | 19,3 | 19,7 |
| | 8H | 18,1 | 18,9 | 18,5 | 19,2 | 19,6 | 18,1 | 18,9 | 18,5 | 19,2 | 19,6 |
| | 12H | 18,1 | 18,8 | 18,5 | 19,2 | 19,6 | 18,1 | 18,8 | 18,5 | 19,2 | 19,6 |
| 4H | 2H | 18,0 | 19,0 | 18,4 | 19,4 | 19,7 | 18,0 | 19,0 | 18,4 | 19,4 | 19,7 |
| | 3H | 18,1 | 18,9 | 18,5 | 19,3 | 19,7 | 18,1 | 18,9 | 18,5 | 19,3 | 19,7 |
| | 4H | 18,1 | 18,8 | 18,5 | 19,2 | 19,7 | 18,1 | 18,8 | 18,5 | 19,2 | 19,7 |
| | 6H | 18,1 | 18,7 | 18,6 | 19,1 | 19,6 | 18,1 | 18,7 | 18,6 | 19,1 | 19,6 |
| | 8H | 18,1 | 18,6 | 18,6 | 19,1 | 19,6 | 18,1 | 18,6 | 18,6 | 19,1 | 19,6 |
| | 12H | 18,1 | 18,6 | 18,6 | 19,0 | 19,5 | 18,1 | 18,6 | 18,6 | 19,0 | 19,5 |
| 8H | 4H | 18,0 | 18,6 | 18,5 | 19,0 | 19,5 | 18,0 | 18,6 | 18,5 | 19,0 | 19,5 |
| | 6H | 18,0 | 18,5 | 18,5 | 19,0 | 19,5 | 18,0 | 18,5 | 18,5 | 19,0 | 19,5 |
| | 8H | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 | 18,1 | 18,4 | 18,6 | 18,9 | 19,5 |
| | 12H | 18,1 | 18,4 | 18,6 | 18,9 | 19,4 | 18,1 | 18,4 | 18,6 | 18,9 | 19,4 |
| 12H | 4H | 18,0 | 18,5 | 18,5 | 18,9 | 19,4 | 18,0 | 18,5 | 18,5 | 18,9 | 19,4 |
| | 6H | 18,0 | 18,4 | 18,5 | 18,9 | 19,4 | 18,0 | 18,4 | 18,5 | 18,9 | 19,4 |
| | 8H | 18,1 | 18,4 | 18,6 | 18,9 | 19,4 | 18,1 | 18,4 | 18,6 | 18,9 | 19,4 |

## Leuchtdichten-Tabelle

Max. für $\gamma >= 65°$

Lichttechnische Abmessungen in mm: D = 182

| C-Ebenen | 0° |
|---|---|
| γ | Leuchtdichte in cd/m² |
| 45,0° | 16234.0 |
| 50,0° | 12609.7 |
| 55,0° | 10419.0 |
| 60,0° | 6336.2 |
| 65,0° | 3894.0 |
| 70,0° | 2646.3 |
| 75,0° | 2146.1 |
| 80,0° | 2132.4 |
| 85,0° | 2006.6 |

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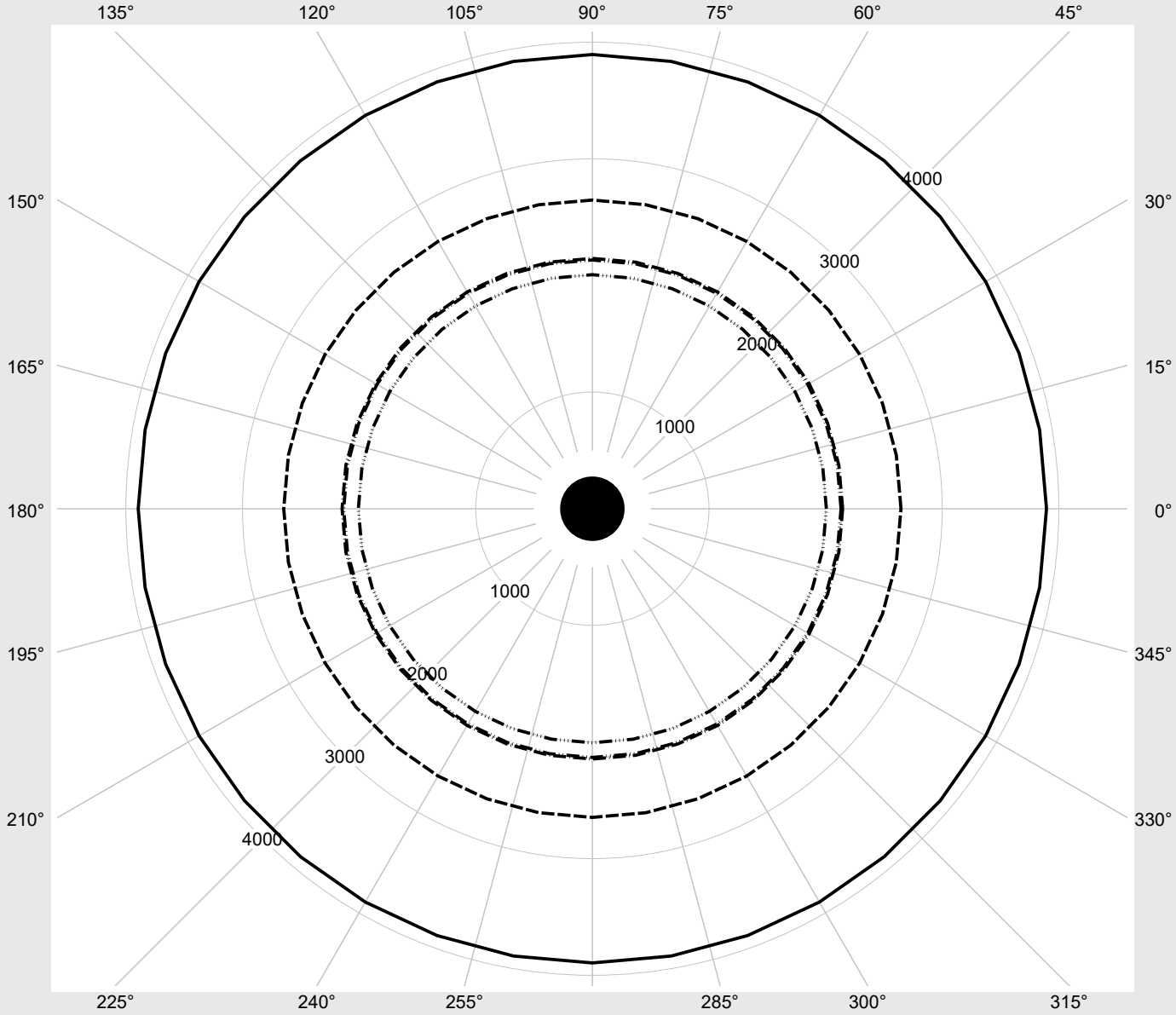
**Leuchtdichten in cd/m²** γ 65° γ 70° γ 75° γ 80° γ 85°



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### Multilumen-Tabelle

**Umgebungstemperatur: 25°C**

| DIP-Stufe | Schalterstellung 1 | 2 | 3 | Lichtstrom [lm] | Systemleistung [W] |
|---|---|---|---|---|---|
| 7 | ON | ON | ON | 4530 | 26.4 |
| 6 | ON | ON | OFF | 4230 | 24.5 |
| 5 | ON | OFF | ON | 3920 | 22.8 |
| 4 | ON | OFF | OFF | 3620 | 20.8 |
| 3 | OFF | ON | ON | 3300 | 18.9 |
| 2 | OFF | ON | OFF | 2990 | 16.9 |
| 1 | OFF | OFF | ON | 2670 | 15.1 |
| 0 | OFF | OFF | OFF | 2340 | 13.3 |