

Lichttechnischer Prüfbefund

Familie
Lunis 21

Bestell-Nr.: 51DB33MF22D1D
EAN: 4069025442888

LP-Nummer
59843_20



Ausführung Anbauleuchte, Kombinierte Linsen und Reflektor Optik, Reflektor, schwarz, rotations-symmetrisch, breit strahlend, UGR \leq 22

Bestückung LED 4000 K | CRI \geq 90

Betriebsgerät EVG-Multilumen

Einstellung Werkseinstellung: DIP-Stufe=1

Bemessungswerte Nettolichtstrom = 2350 lm
Systemleistung = 15.1 W
Lichtausbeute = 155.6 lm/W

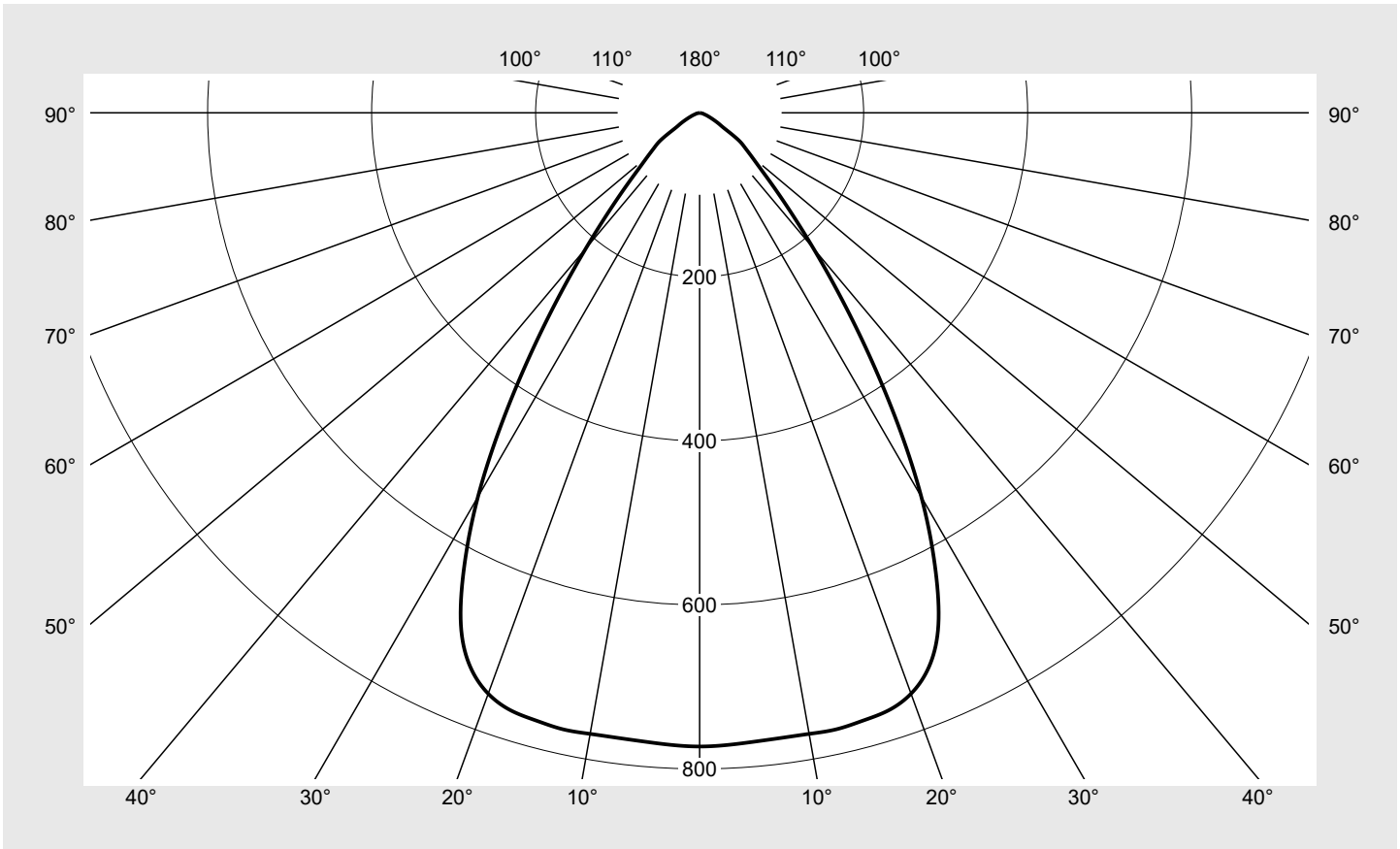
Seriendokumentation
13.10.2025

sITeco

Lichtstärke in cd/klm

C180-0

Imax: 773 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=85 N2=98 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

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

| C- Ebenen | 0° | Phi-Zone | Summe Phi-Zone |
|--------------|-----------------------|----------------------|-------------------|
| γ | Lichtstärke in cd/klm | Lichtstrom in lm/klm | |
| 0,0° | 772.7 | 1.2 | 1.2 |
| 2,5° | 771.6 | 9.2 | 10.4 |
| 5,0° | 769.7 | 18.4 | 28.8 |
| 7,5° | 768.7 | 27.5 | 56.3 |
| 10,0° | 769.0 | 36.6 | 92.9 |
| 12,5° | 770.0 | 45.7 | 138.6 |
| 15,0° | 767.5 | 54.5 | 193.0 |
| 17,5° | 764.3 | 63.0 | 256.0 |
| 20,0° | 753.8 | 70.7 | 326.7 |
| 22,5° | 731.1 | 76.7 | 403.4 |
| 25,0° | 688.9 | 79.8 | 483.2 |
| 27,5° | 621.1 | 78.6 | 561.8 |
| 30,0° | 540.7 | 74.1 | 635.9 |
| 32,5° | 449.4 | 66.2 | 702.1 |
| 35,0° | 359.9 | 56.6 | 758.7 |
| 37,5° | 281.0 | 46.9 | 805.6 |
| 40,0° | 215.9 | 38.0 | 843.7 |
| 42,5° | 165.3 | 30.6 | 874.3 |
| 45,0° | 127.6 | 24.7 | 899.0 |
| 47,5° | 100.4 | 20.3 | 919.3 |
| 50,0° | 82.6 | 17.3 | 936.6 |
| 52,5° | 69.5 | 15.1 | 951.7 |
| 55,0° | 57.4 | 12.9 | 964.6 |
| 57,5° | 37.3 | 8.6 | 973.2 |
| 60,0° | 27.9 | 6.6 | 979.9 |
| 62,5° | 21.2 | 5.2 | 985.0 |
| 65,0° | 15.7 | 3.9 | 988.9 |
| 67,5° | 11.6 | 2.9 | 991.9 |
| 70,0° | 8.6 | 2.2 | 994.1 |
| 72,5° | 5.8 | 1.5 | 995.6 |
| 75,0° | 4.6 | 1.2 | 996.8 |
| 77,5° | 3.9 | 1.0 | 997.9 |
| 80,0° | 3.1 | 0.8 | 998.7 |
| 82,5° | 2.3 | 0.6 | 999.3 |
| 85,0° | 1.6 | 0.4 | 999.8 |
| 87,5° | 0.8 | 0.2 | 1000.0 |
| 90,0° | 0.0 | 0.0 | 1000.0 |

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

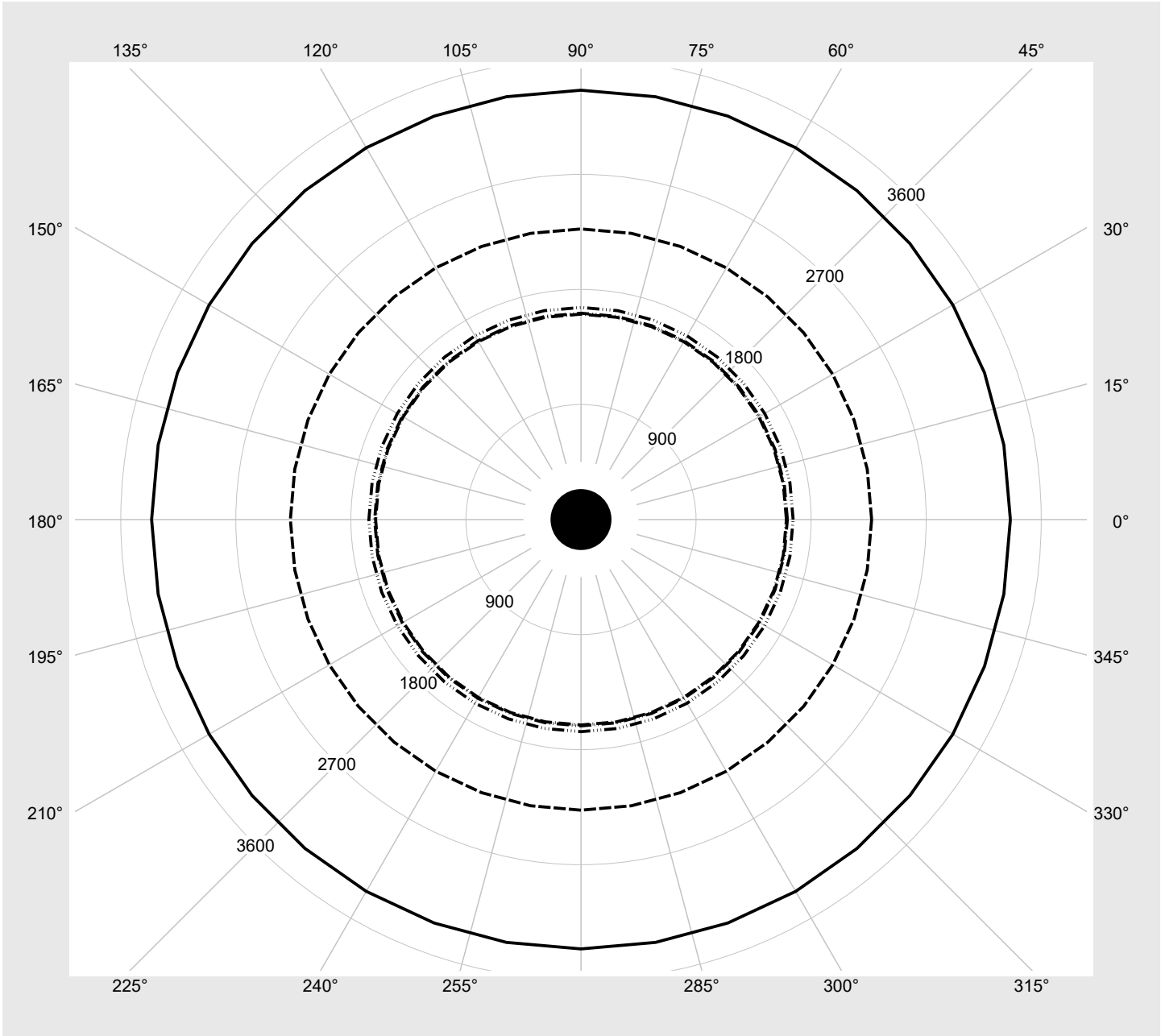
| | | |
|------------------------------|---------------------------------|--|
| Leuchtdichten-Tabelle | Max. für $\gamma \geq 65^\circ$ | Lichttechnische Abmessungen in mm: D = 182 |
|------------------------------|---------------------------------|--|

| C-Ebenen | 0° |
|----------|-----------------------------------|
| γ | Leuchtdichte in cd/m ² |
| 45,0° | 16302.5 |
| 50,0° | 11604.2 |
| 55,0° | 9032.3 |
| 60,0° | 5045.0 |
| 65,0° | 3358.7 |
| 70,0° | 2273.5 |
| 75,0° | 1606.8 |
| 80,0° | 1614.2 |
| 85,0° | 1659.3 |

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



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Multilumen-Tabelle

Umgebungstemperatur: 25°C



| DIP-Stufe | Schalterstellung | | | Lichtstrom [lm] | Systemleistung [W] |
|-----------|------------------|-----|-----|--------------------|-----------------------|
| | 1 | 2 | 3 | | |
| 7 | ON | ON | ON | 4000 | 26.4 |
| 6 | ON | ON | OFF | 3730 | 24.5 |
| 5 | ON | OFF | ON | 3470 | 22.8 |
| 4 | ON | OFF | OFF | 3190 | 20.8 |
| 3 | OFF | ON | ON | 2920 | 18.9 |
| 2 | OFF | ON | OFF | 2640 | 16.9 |
| 1 | OFF | OFF | ON | 2350 | 15.1 |
| 0 | OFF | OFF | OFF | 2070 | 13.3 |