

## Lichttechnischer Prüfbefund

**Familie**  
Lunis mini Spot

**Bestell-Nr.:** 51DH11B74FG22 + 59DL1L0000G0000D0  
**EAN:** 4058352107287 + 4058352030165

**LP-Nummer**  
57187\_20

**Ausführung** Prismenscheibe, Darklightreflektor  
hochglänzend, medium strahlend

**Bestückung** LED 4000K / CRI ≥ 80

**Betriebsgerät** EVG

**Bemessungswerte** Nettolichtstrom = 3390 lm  
Systemleistung = 35.3 W  
Lichtausbeute = 96 lm/W

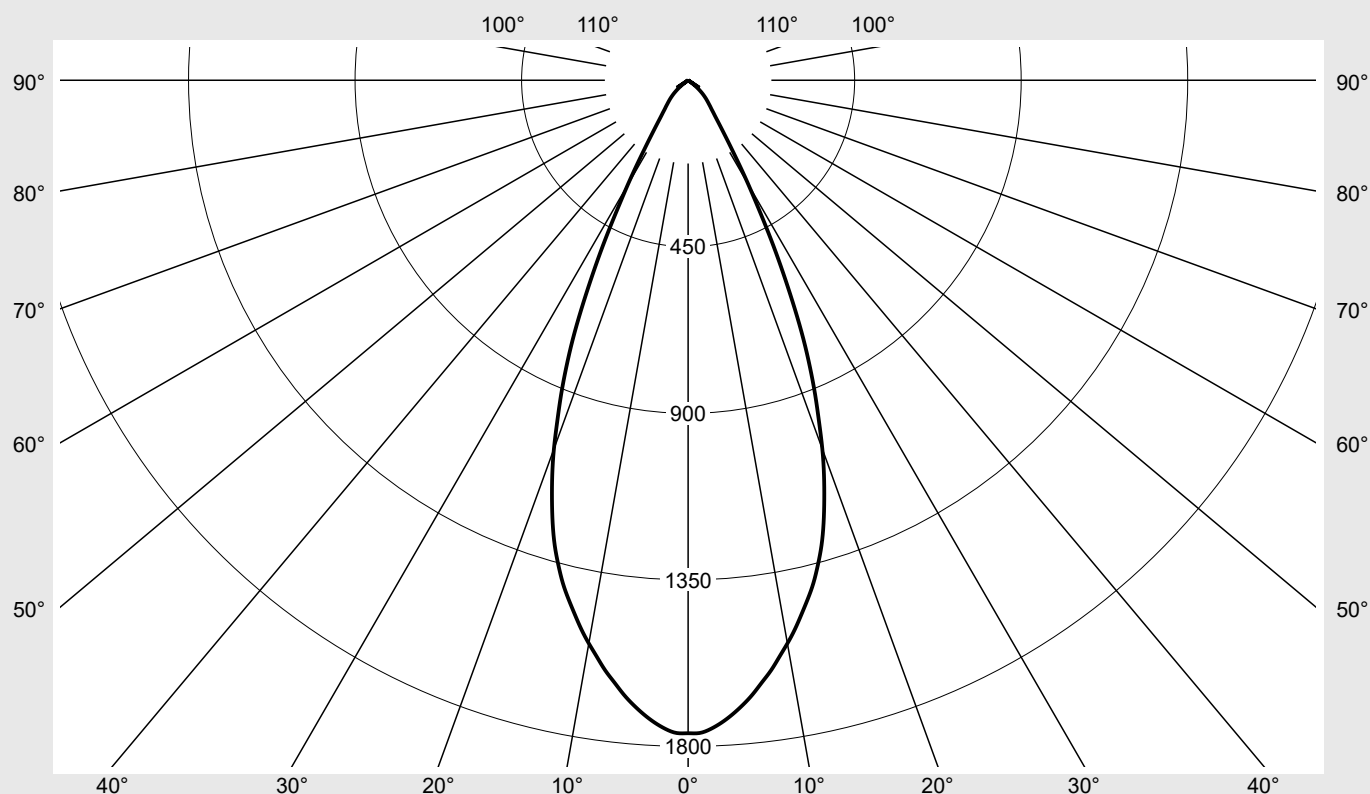
**Seriendokumentation**  
27.07.2017

siteco

Lichtstärke in cd/klm

C180-0

Imax: 1764 cd/klm



### Klassifizierungen

DIN 5040 A 8 0  
CIE N1=95 N2=100 N3=100  
N4=100 N5=100

### Leuchtenbetriebswirkungsgrade

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

### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

|                                   |  |                              |
|-----------------------------------|--|------------------------------|
| <b>Familie</b><br>Lunis mini Spot | <b>Bestell-Nr.:</b> 51DH11B74FG22 + 59DL1L0000G0000D0<br><b>EAN:</b> 4058352107287 + 4058352030165 | <b>LP-Nummer</b><br>57187_20 |
|-----------------------------------|--|------------------------------|

|  |                             |               |
|--|-----------------------------|---------------|
| <b>Wertetabelle Lichtstärkemessung</b> | <b>Maximale Lichtstärke</b> | <b>siteco</b> |
|--|-----------------------------|---------------|

| C- Ebenen | 0°                    | Phi-Zone             | Summe Phi-Zone |
|-----------|-----------------------|----------------------|----------------|
| $\gamma$  | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                |
| 0°        | 1764.5                | 0.4                  | 0.4            |
| 1°        | 1764.2                | 3.4                  | 3.8            |
| 2°        | 1753.9                | 6.7                  | 10.5           |
| 3°        | 1737.8                | 10.0                 | 20.5           |
| 4°        | 1717.7                | 13.1                 | 33.6           |
| 5°        | 1694.6                | 16.2                 | 49.8           |
| 6°        | 1668.5                | 19.1                 | 68.9           |
| 7°        | 1638.9                | 21.9                 | 90.8           |
| 8°        | 1610.2                | 24.6                 | 115.4          |
| 9°        | 1577.2                | 27.1                 | 142.5          |
| 10°       | 1545.3                | 29.4                 | 171.9          |
| 11°       | 1511.6                | 31.6                 | 203.5          |
| 12°       | 1474.7                | 33.6                 | 237.2          |
| 13°       | 1438.2                | 35.5                 | 272.6          |
| 14°       | 1399.9                | 37.1                 | 309.8          |
| 15°       | 1355.4                | 38.5                 | 348.2          |
| 16°       | 1307.6                | 39.5                 | 387.8          |
| 17°       | 1251.9                | 40.1                 | 427.9          |
| 18°       | 1190.6                | 40.3                 | 468.3          |
| 19°       | 1127.7                | 40.3                 | 508.5          |
| 20°       | 1060.4                | 39.8                 | 548.3          |
| 21°       | 986.5                 | 38.8                 | 587.1          |
| 22°       | 916.3                 | 37.6                 | 624.7          |
| 23°       | 842.8                 | 36.1                 | 660.8          |
| 24°       | 766.4                 | 34.2                 | 695.0          |
| 25°       | 683.0                 | 31.7                 | 726.6          |
| 26°       | 600.2                 | 28.9                 | 755.5          |
| 27°       | 522.8                 | 26.0                 | 781.5          |
| 28°       | 448.3                 | 23.1                 | 804.6          |
| 29°       | 381.0                 | 20.3                 | 824.9          |
| 30°       | 326.3                 | 17.9                 | 842.8          |
| 31°       | 276.9                 | 15.6                 | 858.4          |
| 32°       | 234.0                 | 13.6                 | 872.0          |
| 33°       | 200.4                 | 12.0                 | 884.0          |
| 34°       | 173.4                 | 10.6                 | 894.6          |
| 35°       | 152.0                 | 9.6                  | 904.2          |
| 36°       | 134.5                 | 8.7                  | 912.8          |
| 37°       | 120.6                 | 8.0                  | 920.8          |
| 38°       | 110.1                 | 7.4                  | 928.2          |
| 39°       | 100.5                 | 6.9                  | 935.2          |
| 40°       | 93.6                  | 6.6                  | 941.8          |
| 41°       | 86.7                  | 6.2                  | 948.0          |
| 42°       | 80.8                  | 5.9                  | 953.9          |
| 43°       | 75.2                  | 5.6                  | 959.5          |
| 44°       | 69.9                  | 5.3                  | 964.9          |
| 45°       | 64.3                  | 5.0                  | 969.8          |
| 46°       | 58.7                  | 4.6                  | 974.5          |

| C- Ebenen | 0°                    | Phi-Zone             | Summe Phi-Zone |
|-----------|-----------------------|----------------------|----------------|
| $\gamma$  | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                |
| 47°       | 53.1                  | 4.3                  | 978.7          |
| 48°       | 46.8                  | 3.8                  | 982.5          |
| 49°       | 40.9                  | 3.4                  | 985.9          |
| 50°       | 34.6                  | 2.9                  | 988.8          |
| 51°       | 28.0                  | 2.4                  | 991.2          |
| 52°       | 21.8                  | 1.9                  | 993.1          |
| 53°       | 14.8                  | 1.3                  | 994.4          |
| 54°       | 9.6                   | 0.8                  | 995.2          |
| 55°       | 6.3                   | 0.6                  | 995.8          |
| 56°       | 36.3                  | 3.3                  | 999.1          |
| 57°       | 9.9                   | 0.9                  | 1000.0         |
| 58°       | 0.0                   | 0.0                  | 1000.0         |
| 59°       | 0.0                   | 0.0                  | 1000.0         |
| 60°       | 0.0                   | 0.0                  | 1000.0         |
| 61°       | 0.0                   | 0.0                  | 1000.0         |
| 62°       | 0.0                   | 0.0                  | 1000.0         |
| 63°       | 0.0                   | 0.0                  | 1000.0         |
| 64°       | 0.0                   | 0.0                  | 1000.0         |
| 65°       | 0.0                   | 0.0                  | 1000.0         |
| 66°       | 0.0                   | 0.0                  | 1000.0         |
| 67°       | 0.0                   | 0.0                  | 1000.0         |
| 68°       | 0.0                   | 0.0                  | 1000.0         |
| 69°       | 0.0                   | 0.0                  | 1000.0         |
| 70°       | 0.0                   | 0.0                  | 1000.0         |
| 71°       | 0.0                   | 0.0                  | 1000.0         |
| 72°       | 0.0                   | 0.0                  | 1000.0         |
| 73°       | 0.0                   | 0.0                  | 1000.0         |
| 74°       | 0.0                   | 0.0                  | 1000.0         |
| 75°       | 0.0                   | 0.0                  | 1000.0         |
| 76°       | 0.0                   | 0.0                  | 1000.0         |
| 77°       | 0.0                   | 0.0                  | 1000.0         |
| 78°       | 0.0                   | 0.0                  | 1000.0         |
| 79°       | 0.0                   | 0.0                  | 1000.0         |
| 80°       | 0.0                   | 0.0                  | 1000.0         |
| 81°       | 0.0                   | 0.0                  | 1000.0         |
| 82°       | 0.0                   | 0.0                  | 1000.0         |
| 83°       | 0.0                   | 0.0                  | 1000.0         |
| 84°       | 0.0                   | 0.0                  | 1000.0         |
| 85°       | 0.0                   | 0.0                  | 1000.0         |
| 86°       | 0.0                   | 0.0                  | 1000.0         |
| 87°       | 0.0                   | 0.0                  | 1000.0         |
| 88°       | 0.0                   | 0.0                  | 1000.0         |
| 89°       | 0.0                   | 0.0                  | 1000.0         |
| 90°       | 0.0                   | 0.0                  | 1000.0         |

## Lichttechnischer Prüfbefund

|                                   |  |                              |
|-----------------------------------|--|------------------------------|
| <b>Familie</b><br>Lunis mini Spot | <b>Bestell-Nr.:</b> 51DH11B74FG22 + 59DL1L0000G0000D0<br><b>EAN:</b> 4058352107287 + 4058352030165 | <b>LP-Nummer</b><br>57187_20 |
| <b>UGR-Tabelle</b>                |  | <b>Standardraum</b>          |
| <b>siteco</b>                     |  |                              |

|                        |  |      |      |      |      |  |      |      |      |      |      |
|------------------------|--|------|------|------|------|--|------|------|------|------|------|
| 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  |      |
| <b>Raumabmessungen</b> | <b>Blickrichtung quer zur Leuchte (C0)</b> |      |      |      |      | <b>Blickrichtung längs zur Leuchte (C90)</b> |      |      |      |      |      |
| x                      | y  |      |      |      |      |  |      |      |      |      |      |
| 2H                     | 2H   | 15,9 | 16,9 | 16,2 | 17,2 | 17,6   | 15,9 | 16,9 | 16,2 | 17,2 | 17,6 |
|                        | 3H   | 15,7 | 16,6 | 16,1 | 17,0 | 17,3   | 15,7 | 16,6 | 16,1 | 17,0 | 17,3 |
|                        | 4H   | 15,6 | 16,5 | 16,0 | 16,8 | 17,2   | 15,6 | 16,5 | 16,0 | 16,8 | 17,2 |
|                        | 6H   | 15,5 | 16,3 | 15,9 | 16,7 | 17,1   | 15,5 | 16,3 | 15,9 | 16,7 | 17,1 |
|                        | 8H   | 15,6 | 16,2 | 16,1 | 16,6 | 17,0   | 15,6 | 16,2 | 16,1 | 16,6 | 17,0 |
|                        | 12H  | 15,6 | 16,1 | 16,0 | 16,5 | 16,9   | 15,6 | 16,1 | 16,0 | 16,5 | 16,9 |
| 4H                     | 2H   | 15,6 | 16,5 | 16,0 | 16,8 | 17,2   | 15,6 | 16,5 | 16,0 | 16,8 | 17,2 |
|                        | 3H   | 15,4 | 16,1 | 15,9 | 16,5 | 17,0   | 15,4 | 16,1 | 15,9 | 16,5 | 17,0 |
|                        | 4H   | 15,3 | 15,9 | 15,8 | 16,4 | 16,8   | 15,3 | 15,9 | 15,8 | 16,4 | 16,8 |
|                        | 6H   | 15,2 | 15,7 | 15,7 | 16,2 | 16,7   | 15,2 | 15,7 | 15,7 | 16,2 | 16,7 |
|                        | 8H   | 15,2 | 15,6 | 15,7 | 16,1 | 16,6   | 15,2 | 15,6 | 15,7 | 16,1 | 16,6 |
|                        | 12H  | 15,2 | 15,5 | 15,7 | 16,0 | 16,5   | 15,2 | 15,5 | 15,7 | 16,0 | 16,5 |
| 8H                     | 4H   | 15,2 | 15,6 | 15,7 | 16,1 | 16,6   | 15,2 | 15,6 | 15,7 | 16,1 | 16,6 |
|                        | 6H   | 15,1 | 15,4 | 15,6 | 15,9 | 16,4   | 15,1 | 15,4 | 15,6 | 15,9 | 16,4 |
|                        | 8H   | 15,0 | 15,3 | 15,5 | 15,8 | 16,3   | 15,0 | 15,3 | 15,5 | 15,8 | 16,3 |
|                        | 12H  | 15,0 | 15,2 | 15,5 | 15,7 | 16,3   | 15,0 | 15,2 | 15,5 | 15,7 | 16,3 |
| 12H                    | 4H   | 15,2 | 15,5 | 15,7 | 16,0 | 16,5   | 15,2 | 15,5 | 15,7 | 16,0 | 16,5 |
|                        | 6H   | 15,0 | 15,3 | 15,6 | 15,8 | 16,3   | 15,0 | 15,3 | 15,6 | 15,8 | 16,3 |
|                        | 8H   | 15,0 | 15,2 | 15,5 | 15,7 | 16,3   | 15,0 | 15,2 | 15,5 | 15,7 | 16,3 |

|                              |                                 |   |
|------------------------------|---------------------------------|---|
| <b>Leuchtdichten-Tabelle</b> | Max. für $\gamma \geq 65^\circ$ | <b>Lichttechnische Abmessungen in mm:</b> D = 143 |
|------------------------------|---------------------------------|---|

|                 |   |
|-----------------|---|
| <b>C-Ebenen</b> | <b>0°</b>                               |
| $\gamma$        | <b>Leuchtdichte in cd/m<sup>2</sup></b> |
| 45°             | 19187.1                                 |
| 50°             | 11365.1                                 |
| 55°             | 2304.8                                  |
| 60°             | 0.0                                     |
| 65°             | 0.0                                     |
| 70°             | 0.0                                     |
| 75°             | 0.0                                     |
| 80°             | 0.0                                     |
| 85°             | 0.0                                     |

### Lichttechnischer Prüfbefund

|                                   |  |                              |
|-----------------------------------|--|------------------------------|
| <b>Familie</b><br>Lunis mini Spot | <b>Bestell-Nr.:</b> 51DH11B74FG22 + 59DL1L0000G0000D0<br><b>EAN:</b> 4058352107287 + 4058352030165 | <b>LP-Nummer</b><br>57187_20 |
|-----------------------------------|--|------------------------------|

**Leuchtdichten in cd/m<sup>2</sup>**      γ 65°   γ 70°   γ 75°   γ 80°   γ 85°      **siteco**

