

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® Spot 31**

**Bestell-Nr.: 51SL64DA45B**  
**EAN: 4058352865736**

**LP-Nummer**  
**59383\_36**



**Ausführung** Reflektor, Abdeckung, PC, breit strahlend, Leuchtgehäuse, Alu, silber  
**Bestückung** LED 4000 K | CRI ≥ 90  
**Betriebsgerät** EVG-DALI  
**Einstellung** Werkseinstellung: DIP-Stufe=7  
**Bemessungswerte** Nettolichtstrom = 5250 lm  
 Systemleistung = 43.7 W  
 Lichtausbeute = 120.1 lm/W

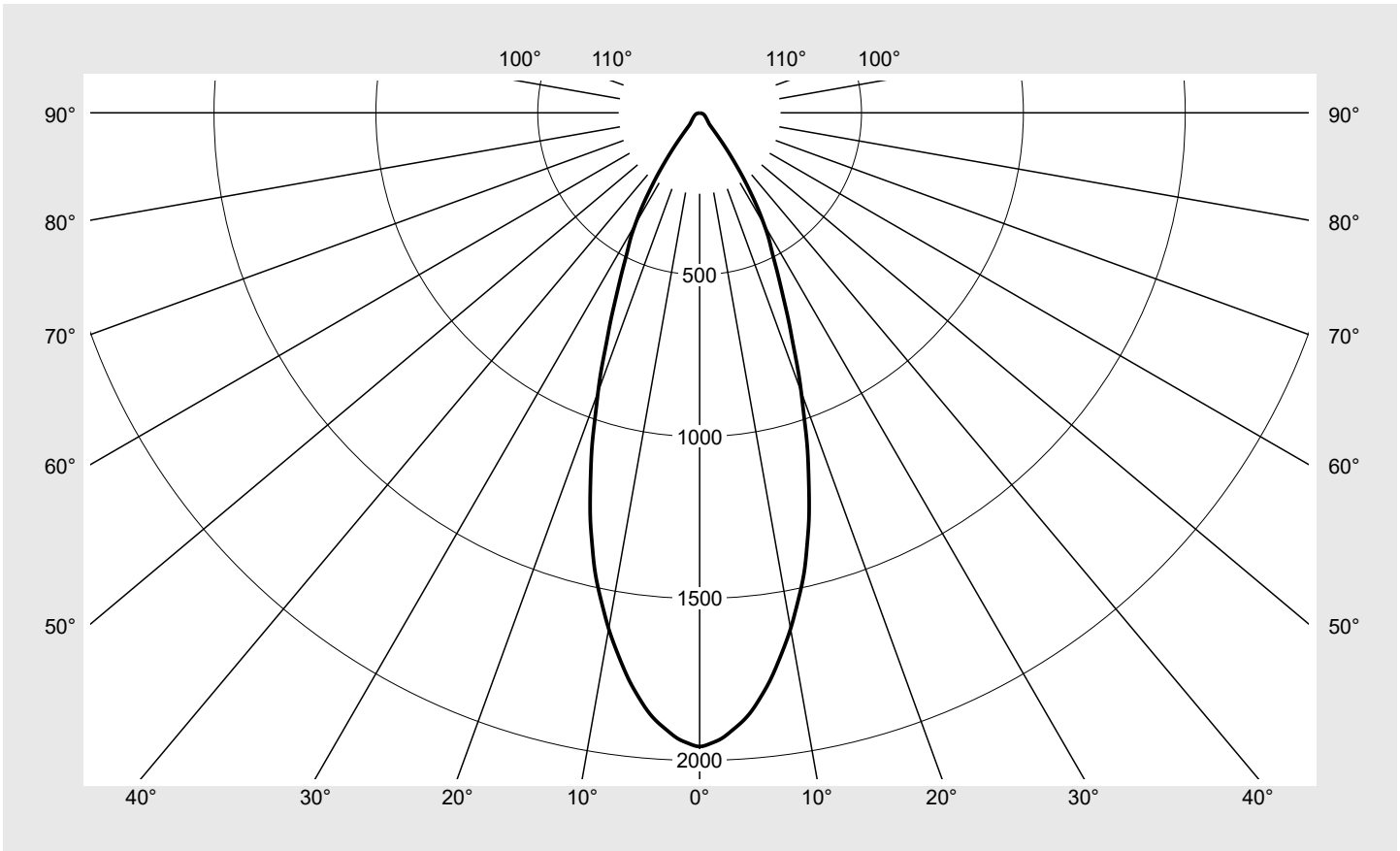
**Seriendokumentation**  
12.07.2023

**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**Imax: 1957 cd/klm**



**Klassifizierungen**

DIN 5040 A 7 0  
 CIE N1=93 N2=97 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><b>Licross® Spot 31</b> | <b>Bestell-Nr.: 51SL64DA45B</b><br><b>EAN: 4058352865736</b> | <b>LP-Nummer</b><br><b>59383_36</b> |
| <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°       | 1957.2                | 0.5                  | 0.5            |
| 1°       | 1947.9                | 3.7                  | 4.2            |
| 2°       | 1933.7                | 7.4                  | 11.6           |
| 3°       | 1910.2                | 11.0                 | 22.6           |
| 4°       | 1885.0                | 14.4                 | 37.0           |
| 5°       | 1853.1                | 17.7                 | 54.7           |
| 6°       | 1812.8                | 20.8                 | 75.5           |
| 7°       | 1769.9                | 23.7                 | 99.1           |
| 8°       | 1720.6                | 26.3                 | 125.4          |
| 9°       | 1670.0                | 28.6                 | 154.0          |
| 10°      | 1618.0                | 30.8                 | 184.8          |
| 11°      | 1560.5                | 32.7                 | 217.5          |
| 12°      | 1503.8                | 34.3                 | 251.8          |
| 13°      | 1443.5                | 35.6                 | 287.4          |
| 14°      | 1372.9                | 36.4                 | 323.8          |
| 15°      | 1303.8                | 37.0                 | 360.8          |
| 16°      | 1226.3                | 37.1                 | 397.9          |
| 17°      | 1149.0                | 36.8                 | 434.7          |
| 18°      | 1073.5                | 36.4                 | 471.1          |
| 19°      | 990.1                 | 35.4                 | 506.4          |
| 20°      | 917.2                 | 34.4                 | 540.8          |
| 21°      | 845.5                 | 33.2                 | 574.1          |
| 22°      | 770.3                 | 31.6                 | 605.7          |
| 23°      | 709.0                 | 30.4                 | 636.1          |
| 24°      | 648.2                 | 28.9                 | 665.0          |
| 25°      | 594.2                 | 27.5                 | 692.5          |
| 26°      | 547.0                 | 26.3                 | 718.8          |
| 27°      | 503.0                 | 25.0                 | 743.9          |
| 28°      | 468.0                 | 24.1                 | 768.0          |
| 29°      | 436.1                 | 23.2                 | 791.2          |
| 30°      | 397.9                 | 21.8                 | 813.0          |
| 31°      | 360.0                 | 20.3                 | 833.3          |
| 32°      | 318.2                 | 18.5                 | 851.8          |
| 33°      | 275.9                 | 16.5                 | 868.3          |
| 34°      | 236.3                 | 14.5                 | 882.8          |
| 35°      | 195.2                 | 12.3                 | 895.1          |
| 36°      | 158.3                 | 10.2                 | 905.3          |
| 37°      | 123.4                 | 8.1                  | 913.4          |
| 38°      | 90.3                  | 6.1                  | 919.5          |
| 39°      | 65.5                  | 4.5                  | 924.0          |
| 40°      | 49.4                  | 3.5                  | 927.5          |
| 41°      | 44.2                  | 3.2                  | 930.7          |
| 42°      | 41.5                  | 3.0                  | 933.7          |
| 43°      | 38.8                  | 2.9                  | 936.6          |
| 44°      | 37.0                  | 2.8                  | 939.4          |
| 45°      | 35.2                  | 2.7                  | 942.2          |
| 46°      | 33.5                  | 2.6                  | 944.8          |

| C-Ebenen | 0°                    | Phi-Zone             | Summe Phi-Zone |
|----------|-----------------------|----------------------|----------------|
| $\gamma$ | Lichtstärke in cd/klm | Lichtstrom in lm/klm |                |
| 47°      | 31.9                  | 2.6                  | 947.4          |
| 48°      | 30.5                  | 2.5                  | 949.8          |
| 49°      | 29.1                  | 2.4                  | 952.3          |
| 50°      | 27.9                  | 2.3                  | 954.6          |
| 51°      | 26.6                  | 2.3                  | 956.9          |
| 52°      | 25.6                  | 2.2                  | 959.1          |
| 53°      | 24.6                  | 2.2                  | 961.2          |
| 54°      | 23.5                  | 2.1                  | 963.3          |
| 55°      | 22.7                  | 2.0                  | 965.4          |
| 56°      | 21.8                  | 2.0                  | 967.3          |
| 57°      | 21.0                  | 1.9                  | 969.3          |
| 58°      | 20.3                  | 1.9                  | 971.1          |
| 59°      | 19.5                  | 1.8                  | 973.0          |
| 60°      | 18.8                  | 1.8                  | 974.8          |
| 61°      | 18.2                  | 1.7                  | 976.5          |
| 62°      | 17.5                  | 1.7                  | 978.2          |
| 63°      | 16.9                  | 1.7                  | 979.9          |
| 64°      | 16.2                  | 1.6                  | 981.5          |
| 65°      | 15.6                  | 1.6                  | 983.0          |
| 66°      | 15.1                  | 1.5                  | 984.5          |
| 67°      | 14.5                  | 1.5                  | 986.0          |
| 68°      | 13.8                  | 1.4                  | 987.4          |
| 69°      | 13.2                  | 1.3                  | 988.7          |
| 70°      | 12.5                  | 1.3                  | 990.0          |
| 71°      | 11.9                  | 1.2                  | 991.3          |
| 72°      | 11.2                  | 1.2                  | 992.4          |
| 73°      | 10.5                  | 1.1                  | 993.5          |
| 74°      | 9.7                   | 1.0                  | 994.6          |
| 75°      | 8.8                   | 0.9                  | 995.5          |
| 76°      | 7.7                   | 0.8                  | 996.3          |
| 77°      | 6.2                   | 0.7                  | 997.0          |
| 78°      | 5.2                   | 0.6                  | 997.5          |
| 79°      | 4.6                   | 0.5                  | 998.0          |
| 80°      | 4.0                   | 0.4                  | 998.5          |
| 81°      | 3.5                   | 0.4                  | 998.8          |
| 82°      | 3.0                   | 0.3                  | 999.2          |
| 83°      | 2.4                   | 0.3                  | 999.4          |
| 84°      | 1.9                   | 0.2                  | 999.6          |
| 85°      | 1.5                   | 0.2                  | 999.8          |
| 86°      | 1.0                   | 0.1                  | 999.9          |
| 87°      | 0.6                   | 0.1                  | 1000.0         |
| 88°      | 0.2                   | 0.0                  | 1000.0         |
| 89°      | 0.1                   | 0.0                  | 1000.0         |
| 90°      | 0.1                   | 0.0                  | 1000.0         |

## Lichttechnischer Prüfbefund

|                                    |  |                              |
|------------------------------------|--|------------------------------|
| <b>Familie</b><br>Licross® Spot 31 | <b>Bestell-Nr.: 51SL64DA45B</b><br><b>EAN: 4058352865736</b> | <b>LP-Nummer</b><br>59383_36 |
|------------------------------------|--|------------------------------|

| UGR-Tabelle     |     | Standardraum                        |      |      |      |      |                                       |      |      |      |      |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen |     | Blickrichtung quer zur Leuchte (C0) |      |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |      |      |      |
| x               | y   |                                     |      |      |      |      |                                       |      |      |      |      |
| 2H              | 2H  | 22,4                                | 23,5 | 22,7 | 23,8 | 24,1 | 22,4                                  | 23,5 | 22,7 | 23,8 | 24,1 |
|                 | 3H  | 23,0                                | 24,0 | 23,4 | 24,3 | 24,7 | 23,0                                  | 24,0 | 23,4 | 24,3 | 24,7 |
|                 | 4H  | 23,3                                | 24,2 | 23,7 | 24,6 | 24,9 | 23,3                                  | 24,2 | 23,7 | 24,6 | 24,9 |
|                 | 6H  | 23,5                                | 24,3 | 23,9 | 24,6 | 25,0 | 23,5                                  | 24,3 | 23,9 | 24,6 | 25,0 |
|                 | 8H  | 23,6                                | 24,2 | 24,0 | 24,6 | 25,0 | 23,6                                  | 24,2 | 24,0 | 24,6 | 25,0 |
|                 | 12H | 23,6                                | 24,2 | 24,0 | 24,6 | 25,0 | 23,6                                  | 24,2 | 24,0 | 24,6 | 25,0 |
| 4H              | 2H  | 22,5                                | 23,4 | 22,9 | 23,8 | 24,1 | 22,5                                  | 23,4 | 22,9 | 23,8 | 24,1 |
|                 | 3H  | 23,3                                | 24,1 | 23,8 | 24,5 | 24,9 | 23,3                                  | 24,1 | 23,8 | 24,5 | 24,9 |
|                 | 4H  | 23,8                                | 24,4 | 24,2 | 24,8 | 25,3 | 23,8                                  | 24,4 | 24,2 | 24,8 | 25,3 |
|                 | 6H  | 24,0                                | 24,5 | 24,4 | 24,9 | 25,4 | 24,0                                  | 24,5 | 24,4 | 24,9 | 25,4 |
|                 | 8H  | 24,0                                | 24,5 | 24,5 | 25,0 | 25,4 | 24,0                                  | 24,5 | 24,5 | 25,0 | 25,4 |
|                 | 12H | 24,1                                | 24,5 | 24,6 | 24,9 | 25,4 | 24,1                                  | 24,5 | 24,6 | 24,9 | 25,4 |
| 8H              | 4H  | 23,9                                | 24,4 | 24,4 | 24,8 | 25,3 | 23,9                                  | 24,4 | 24,4 | 24,8 | 25,3 |
|                 | 6H  | 24,1                                | 24,5 | 24,6 | 25,0 | 25,5 | 24,1                                  | 24,5 | 24,6 | 25,0 | 25,5 |
|                 | 8H  | 24,2                                | 24,5 | 24,7 | 25,0 | 25,6 | 24,2                                  | 24,5 | 24,7 | 25,0 | 25,6 |
|                 | 12H | 24,2                                | 24,5 | 24,8 | 25,0 | 25,6 | 24,2                                  | 24,5 | 24,8 | 25,0 | 25,6 |
| 12H             | 4H  | 23,9                                | 24,3 | 24,4 | 24,7 | 25,2 | 23,9                                  | 24,3 | 24,4 | 24,7 | 25,2 |
|                 | 6H  | 24,1                                | 24,4 | 24,6 | 24,9 | 25,5 | 24,1                                  | 24,4 | 24,6 | 24,9 | 25,5 |
|                 | 8H  | 24,2                                | 24,5 | 24,7 | 25,0 | 25,5 | 24,2                                  | 24,5 | 24,7 | 25,0 | 25,5 |

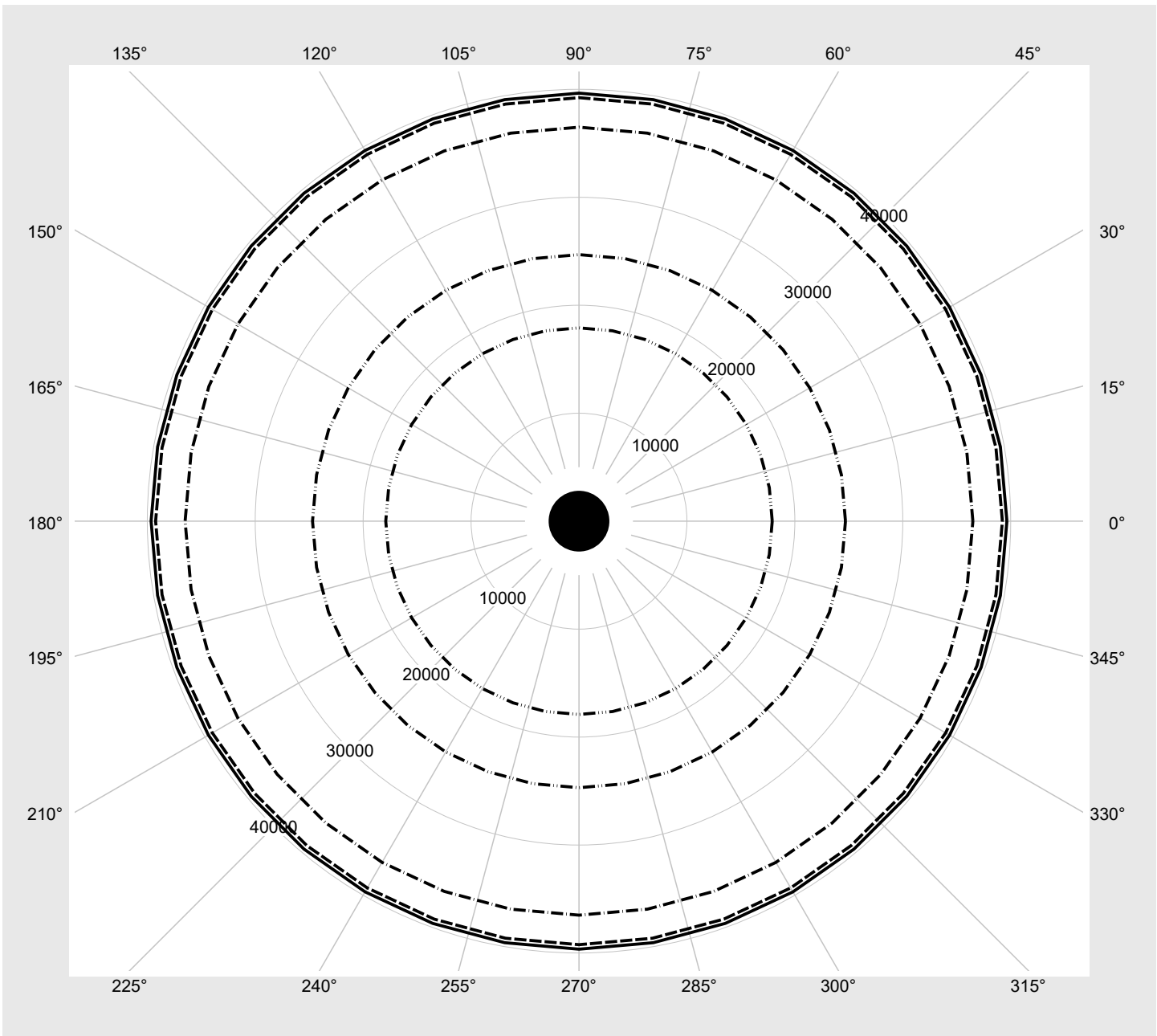
## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 79

| C-Ebenen | 0°                                |
|----------|-----------------------------------|
| $\gamma$ | Leuchtdichte in cd/m <sup>2</sup> |
| 45°      | 53257.3                           |
| 50°      | 46427.5                           |
| 55°      | 42381.2                           |
| 60°      | 40297.7                           |
| 65°      | 39647.4                           |
| 70°      | 39229.3                           |
| 75°      | 36495.4                           |
| 80°      | 24690.5                           |
| 85°      | 17905.2                           |

**Lichttechnischer Prüfbefund**

|   |  |                                     |
|---|--|-------------------------------------|
| <b>Familie</b><br><b>Licross® Spot 31</b> | <b>Bestell-Nr.: 51SL64DA45B</b><br><b>EAN: 4058352865736</b> | <b>LP-Nummer</b><br><b>59383_36</b> |
|---|--|-------------------------------------|

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



## Lichttechnischer Prüfbefund

Familie

Licross® Spot 31

Bestell-Nr.: 51SL64DA45B

EAN: 4058352865736

LP-Nummer

59383\_36

## Multilumen-Tabelle

Umgebungstemperatur: 25°C

SITECO

| DIP-Stufe | Schalterstellung |     |     | Lichtstrom<br>[lm] | Systemleistung<br>[W] |
|-----------|------------------|-----|-----|--------------------|-----------------------|
|           | 1                | 2   | 3   |                    |                       |
| 7         | ON               | ON  | ON  | 5250               | 43.7                  |
| 6         | OFF              | ON  | ON  | 5040               | 41.6                  |
| 5         | ON               | OFF | ON  | 4830               | 39.3                  |
| 4         | OFF              | OFF | ON  | 4520               | 37.2                  |
| 3         | ON               | ON  | OFF | 4410               | 35.0                  |
| 2         | OFF              | ON  | OFF | 4180               | 32.8                  |
| 1         | ON               | OFF | OFF | 3930               | 30.6                  |
| 0         | OFF              | OFF | OFF | 3720               | 28.5                  |