

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Performance**

**Bestell-Nr.: 51TM16CN4EXM**  
**EAN: 4058352929988**

**LP-Nummer**  
**58519\_317**



**Ausführung** Abdeckung satiniert, direkt-/ indirekt strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 14420 lm  
 Systemleistung = 77.6 W  
 Lichtausbeute = 185.8 lm/W

**Seriendokumentation**  
**14.11.2025**

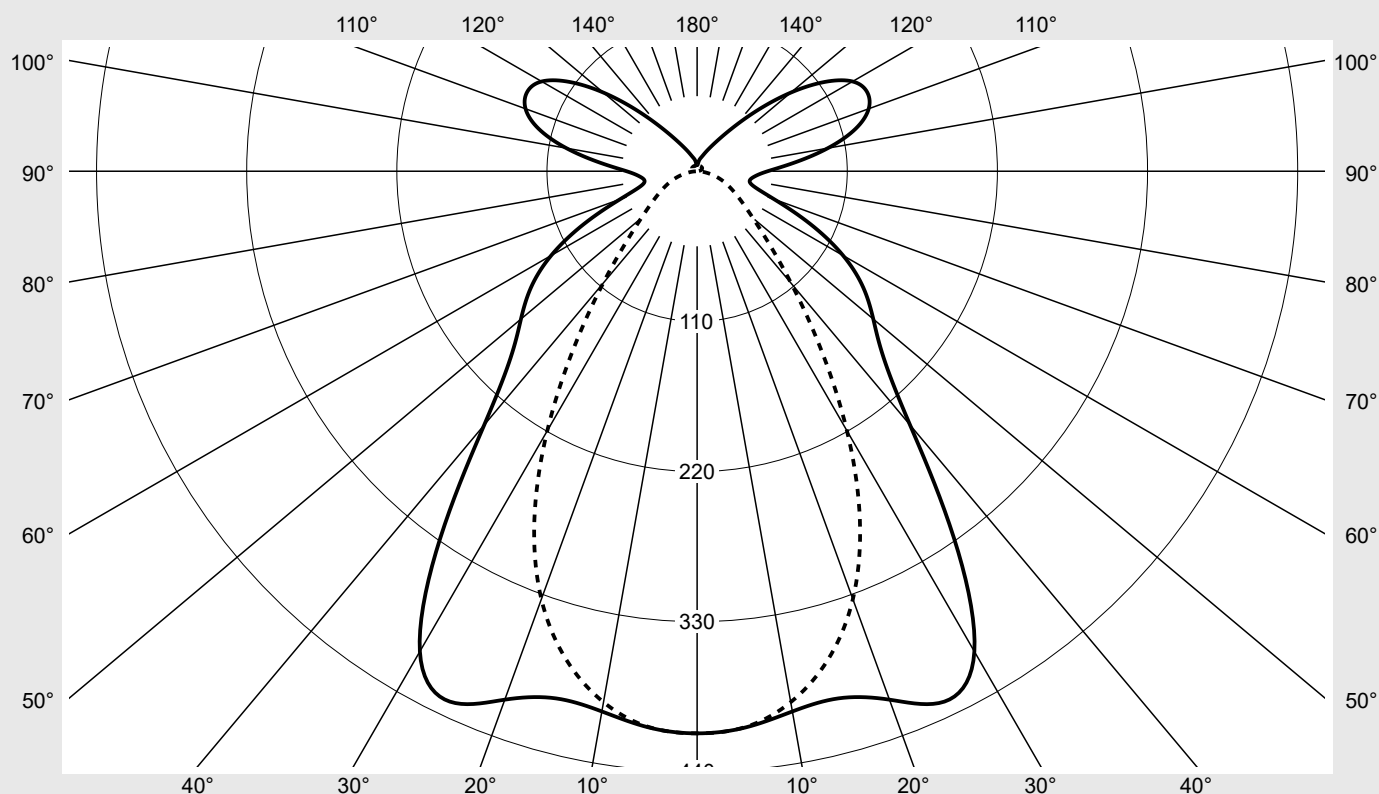
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 429 cd/klm**



### Klassifizierungen

DIN 5040 B 5 1  
 CIE N1=63 N2=86 N3=95  
 N4=78 N5=100

### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  78,1%  
 $\phi_o$  21,9%

### Messbedingungen

DIN EN 13032 und DIN 5032

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|                                    |                                                 |                        |
|------------------------------------|-------------------------------------------------|------------------------|
| Familie<br>Licross® 11 Performance | Bestell-Nr.: 51TM16CN4EXM<br>EAN: 4058352929988 | LP-Nummer<br>58519_317 |
| Wertetabelle Lichtstärkemessung    |                                                 | Maximale Lichtstärke   |
|                                    |                                                 | siteco                 |

| C-<br>Ebenen | 0°<br>180°            | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° | Phi-Zone             | Summe<br>Phi-Zone |
|--------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|----------------------|-------------------|
| γ            | Lichtstärke in cd/klm |                             |                             |                             |                             |                             |             | Lichtstrom in lm/klm |                   |
| 0°           | 411.8                 | 411.8                       | 411.8                       | 411.8                       | 411.8                       | 411.8                       | 411.8       | 2.5                  | 2.5               |
| 5°           | 409.0                 | 407.3                       | 405.0                       | 406.4                       | 408.3                       | 408.3                       | 408.7       | 19.5                 | 21.9              |
| 10°          | 401.9                 | 399.8                       | 395.6                       | 394.8                       | 395.0                       | 394.6                       | 395.0       | 37.7                 | 59.6              |
| 15°          | 399.8                 | 396.0                       | 386.0                       | 378.7                       | 373.7                       | 370.5                       | 370.4       | 54.1                 | 113.8             |
| 20°          | 412.0                 | 404.2                       | 382.1                       | 360.3                       | 344.8                       | 335.4                       | 333.6       | 68.7                 | 182.5             |
| 25°          | 428.7                 | 419.7                       | 386.2                       | 342.0                       | 307.4                       | 287.4                       | 282.2       | 81.0                 | 263.5             |
| 30°          | 406.2                 | 406.4                       | 384.2                       | 323.4                       | 261.9                       | 228.9                       | 219.5       | 87.6                 | 351.1             |
| 35°          | 328.1                 | 339.8                       | 351.8                       | 297.2                       | 211.1                       | 168.2                       | 156.8       | 84.4                 | 435.5             |
| 40°          | 242.7                 | 253.2                       | 284.0                       | 257.1                       | 161.6                       | 117.6                       | 107.2       | 73.3                 | 508.8             |
| 45°          | 193.2                 | 191.3                       | 206.1                       | 202.2                       | 118.6                       | 81.5                        | 73.7        | 60.3                 | 569.1             |
| 50°          | 168.5                 | 157.2                       | 146.5                       | 145.8                       | 85.8                        | 58.6                        | 53.4        | 49.3                 | 618.5             |
| 55°          | 148.6                 | 133.1                       | 107.2                       | 99.9                        | 62.9                        | 44.3                        | 40.9        | 40.6                 | 659.0             |
| 60°          | 123.5                 | 108.6                       | 80.0                        | 67.9                        | 46.9                        | 34.4                        | 32.2        | 32.9                 | 691.9             |
| 65°          | 91.5                  | 81.0                        | 59.1                        | 47.5                        | 36.1                        | 27.0                        | 25.4        | 25.6                 | 717.5             |
| 70°          | 60.2                  | 54.5                        | 42.3                        | 34.6                        | 28.0                        | 21.0                        | 19.4        | 18.9                 | 736.4             |
| 75°          | 43.1                  | 39.2                        | 31.3                        | 26.2                        | 21.7                        | 15.5                        | 13.5        | 14.3                 | 750.7             |
| 80°          | 39.2                  | 35.6                        | 27.4                        | 20.7                        | 16.7                        | 10.7                        | 8.0         | 12.1                 | 762.9             |
| 85°          | 42.5                  | 38.8                        | 29.2                        | 19.4                        | 12.9                        | 6.9                         | 3.4         | 11.8                 | 774.7             |
| 90°          | 51.7                  | 47.2                        | 34.3                        | 20.7                        | 11.3                        | 4.4                         | 0.6         | 13.1                 | 787.8             |
| 95°          | 71.3                  | 64.2                        | 44.5                        | 24.7                        | 12.8                        | 5.2                         | 1.1         | 17.1                 | 804.9             |
| 100°         | 97.2                  | 85.6                        | 55.2                        | 28.6                        | 14.3                        | 6.1                         | 1.8         | 21.5                 | 826.4             |
| 105°         | 120.2                 | 103.0                       | 65.3                        | 32.5                        | 15.7                        | 6.9                         | 2.8         | 25.1                 | 851.6             |
| 110°         | 133.8                 | 113.4                       | 72.0                        | 35.7                        | 17.0                        | 7.6                         | 3.5         | 27.0                 | 878.6             |
| 115°         | 137.4                 | 116.7                       | 75.1                        | 37.4                        | 17.7                        | 8.2                         | 3.9         | 27.0                 | 905.5             |
| 120°         | 131.5                 | 112.0                       | 72.9                        | 36.7                        | 17.5                        | 8.5                         | 4.2         | 25.0                 | 930.5             |
| 125°         | 114.0                 | 97.3                        | 64.4                        | 33.4                        | 16.5                        | 8.4                         | 4.4         | 20.9                 | 951.4             |
| 130°         | 89.6                  | 76.8                        | 52.0                        | 28.4                        | 14.9                        | 8.3                         | 4.5         | 15.9                 | 967.3             |
| 135°         | 64.2                  | 55.4                        | 38.9                        | 22.9                        | 13.2                        | 7.9                         | 4.4         | 11.1                 | 978.4             |
| 140°         | 43.4                  | 38.1                        | 28.3                        | 18.4                        | 11.3                        | 7.3                         | 4.5         | 7.5                  | 985.9             |
| 145°         | 29.7                  | 26.7                        | 21.1                        | 14.9                        | 9.5                         | 6.3                         | 4.4         | 5.0                  | 990.9             |
| 150°         | 21.4                  | 19.7                        | 16.5                        | 11.7                        | 8.2                         | 5.8                         | 4.4         | 3.4                  | 994.4             |
| 155°         | 16.0                  | 15.0                        | 12.7                        | 9.4                         | 8.0                         | 5.2                         | 4.3         | 2.3                  | 996.7             |
| 160°         | 12.3                  | 11.7                        | 9.5                         | 8.1                         | 6.6                         | 5.4                         | 4.1         | 1.5                  | 998.2             |
| 165°         | 10.0                  | 9.6                         | 7.9                         | 6.6                         | 5.9                         | 4.7                         | 4.5         | 1.0                  | 999.2             |
| 170°         | 7.8                   | 6.8                         | 5.5                         | 5.6                         | 6.0                         | 4.8                         | 4.8         | 0.6                  | 999.8             |
| 175°         | 4.9                   | 4.4                         | 4.8                         | 4.8                         | 4.9                         | 4.9                         | 5.2         | 0.2                  | 1000.0            |
| 180°         | 4.5                   | 4.5                         | 4.5                         | 4.5                         | 4.5                         | 4.5                         | 4.5         | 0.0                  | 1000.0            |

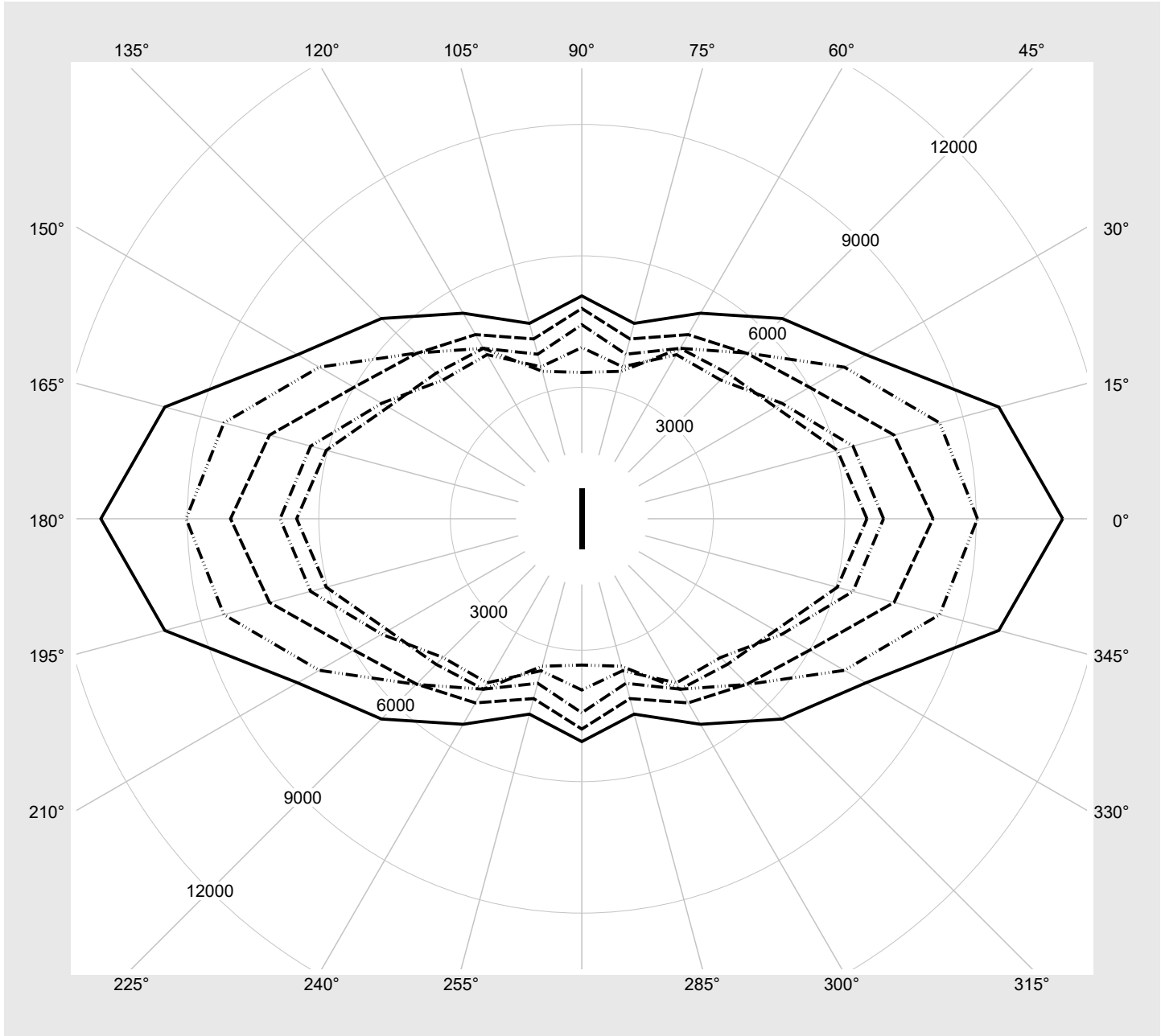
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|                                    |     |                                     |                                                 |      |      |      |                                       |      |                        |      |        |     |
|------------------------------------|-----|-------------------------------------|-------------------------------------------------|------|------|------|---------------------------------------|------|------------------------|------|--------|-----|
| Familie<br>Licross® 11 Performance |     |                                     | Bestell-Nr.: 51TM16CN4EXM<br>EAN: 4058352929988 |      |      |      |                                       |      | LP-Nummer<br>58519_317 |      |        |     |
| UGR-Tabelle                        |     |                                     |                                                 |      |      |      |                                       |      | Standardraum           |      | siteco |     |
| 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                    |     | Blickrichtung quer zur Leuchte (C0) |                                                 |      |      |      | Blickrichtung längs zur Leuchte (C90) |      |                        |      |        |     |
| x                                  | y   |                                     |                                                 |      |      |      |                                       |      |                        |      |        |     |
| 2H                                 | 2H  | 20,7                                | 21,9                                            | 21,3 | 22,5 | 23,2 | 16,2                                  | 17,5 | 16,8                   | 18,1 | 18,7   |     |
|                                    | 3H  | 21,5                                | 22,6                                            | 22,1 | 23,2 | 23,9 | 16,8                                  | 17,9 | 17,4                   | 18,5 | 19,2   |     |
|                                    | 4H  | 21,8                                | 22,8                                            | 22,4 | 23,4 | 24,2 | 17,0                                  | 18,1 | 17,6                   | 18,7 | 19,4   |     |
|                                    | 6H  | 22,1                                | 23,0                                            | 22,8 | 23,7 | 24,4 | 17,2                                  | 18,2 | 17,8                   | 18,8 | 19,5   |     |
|                                    | 8H  | 22,3                                | 23,1                                            | 23,0 | 23,8 | 24,6 | 17,2                                  | 18,1 | 17,8                   | 18,8 | 19,5   |     |
|                                    | 12H | 22,6                                | 23,4                                            | 23,4 | 24,1 | 24,9 | 17,2                                  | 18,1 | 17,9                   | 18,7 | 19,5   |     |
| 4H                                 | 2H  | 20,7                                | 21,7                                            | 21,3 | 22,4 | 23,1 | 16,9                                  | 17,9 | 17,5                   | 18,5 | 19,3   |     |
|                                    | 3H  | 21,6                                | 22,5                                            | 22,3 | 23,1 | 23,9 | 17,6                                  | 18,4 | 18,2                   | 19,1 | 19,9   |     |
|                                    | 4H  | 22,0                                | 22,7                                            | 22,7 | 23,4 | 24,2 | 17,9                                  | 18,7 | 18,6                   | 19,4 | 20,2   |     |
|                                    | 6H  | 22,5                                | 23,1                                            | 23,2 | 23,9 | 24,7 | 18,2                                  | 18,8 | 18,9                   | 19,6 | 20,4   |     |
|                                    | 8H  | 22,8                                | 23,4                                            | 23,6 | 24,2 | 25,0 | 18,2                                  | 18,9 | 19,0                   | 19,6 | 20,4   |     |
|                                    | 12H | 23,3                                | 23,8                                            | 24,1 | 24,6 | 25,5 | 18,3                                  | 18,8 | 19,0                   | 19,6 | 20,5   |     |
| 8H                                 | 4H  | 21,9                                | 22,6                                            | 22,7 | 23,3 | 24,1 | 18,2                                  | 18,7 | 18,9                   | 19,5 | 20,4   |     |
|                                    | 6H  | 22,6                                | 23,1                                            | 23,3 | 23,8 | 24,7 | 18,6                                  | 19,1 | 19,4                   | 19,8 | 20,8   |     |
|                                    | 8H  | 23,1                                | 23,5                                            | 23,8 | 24,3 | 25,2 | 18,8                                  | 19,2 | 19,6                   | 20,0 | 20,9   |     |
|                                    | 12H | 23,8                                | 24,2                                            | 24,6 | 25,0 | 25,9 | 18,9                                  | 19,3 | 19,7                   | 20,1 | 21,0   |     |
| 12H                                | 4H  | 21,9                                | 22,4                                            | 22,6 | 23,2 | 24,1 | 18,2                                  | 18,7 | 19,0                   | 19,5 | 20,4   |     |
|                                    | 6H  | 22,6                                | 23,0                                            | 23,3 | 23,8 | 24,7 | 18,7                                  | 19,2 | 19,5                   | 19,9 | 20,9   |     |
|                                    | 8H  | 23,1                                | 23,5                                            | 23,9 | 24,3 | 25,2 | 19,0                                  | 19,4 | 19,8                   | 20,2 | 21,1   |     |

|                       |          |                                 |                             |                                    |                             |                             |                             |                             |
|-----------------------|----------|---------------------------------|-----------------------------|------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Leuchtdichten-Tabelle |          | Max. für $\gamma \geq 65^\circ$ |                             | Lichttechnische Abmessungen in mm: |                             | L = 1480<br>B = 115         | H(C0) = 36<br>H(C90) = 0    | H(C180) = 36<br>H(C270) = 0 |
| C-Ebenen              | $\gamma$ | 0°<br>180°                      | 15°<br>165°<br>195°<br>345° | 30°<br>150°<br>210°<br>330°        | 45°<br>135°<br>225°<br>315° | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270°                 |
|                       |          |                                 | Leuchtdichte in cd/m²       |                                    |                             |                             |                             |                             |
| 45°                   |          | 17633.5                         | 17604.0                     | 19431.4                            | 19838.6                     | 12284.3                     | 9030.4                      | 8833.3                      |
| 50°                   |          | 16173.7                         | 15228.6                     | 14597.8                            | 15203.5                     | 9534.5                      | 7049.0                      | 7041.9                      |
| 55°                   |          | 15171.4                         | 13726.8                     | 11415.9                            | 11207.7                     | 7589.5                      | 5861.4                      | 6040.5                      |
| 60°                   |          | 13566.0                         | 12074.2                     | 9228.8                             | 8318.6                      | 6255.5                      | 5108.1                      | 5453.5                      |
| 65°                   |          | 10973.8                         | 9850.8                      | 7487.9                             | 6463.9                      | 5416.9                      | 4616.5                      | 5085.8                      |
| 70°                   |          | 8014.6                          | 7377.5                      | 6001.1                             | 5335.2                      | 4852.8                      | 4248.6                      | 4799.5                      |
| 75°                   |          | 6506.7                          | 6036.3                      | 5100.0                             | 4699.7                      | 4491.3                      | 3887.6                      | 4428.7                      |
| 80°                   |          | 6885.2                          | 6405.8                      | 5271.7                             | 4478.5                      | 4323.9                      | 3590.7                      | 3908.6                      |
| 85°                   |          | 9029.0                          | 8454.0                      | 6919.0                             | 5346.4                      | 4492.3                      | 3484.0                      | 3339.2                      |

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|                                                                                                                                 |                                                               |                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------|--|
| <b>Familie</b><br><b>Licross® 11 Performance</b>                                                                                | <b>Bestell-Nr.: 51TM16CN4EXM</b><br><b>EAN: 4058352929988</b> | <b>LP-Nummer</b><br><b>58519_317</b> |  |
| <b>Leuchtdichten in cd/m²</b> <div> <div>γ 65°</div> <div>γ 70°</div> <div>γ 75°</div> <div>γ 80°</div> <div>γ 85°</div> </div> |                                                               |                                      |  |



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|                                                                |                                                               |                                                                                     |
|----------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|
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| <b>Multilumen-Tabelle</b> <div>Umgebungstemperatur: 25°C</div> |                                                               |  |

| DIP-Stufe | Schalterstellung |   |   | Lichtstrom<br>[lm] | Systemleistung<br>[W] | Systemleistung [W]<br>Lebensdauerende | Systemleistung [W]<br>Durchschnitt |
|-----------|------------------|---|---|--------------------|-----------------------|---------------------------------------|------------------------------------|
|           | 1                | 2 | 3 |                    |                       |                                       |                                    |
| 1         | A                | C | E | 14420              | 77.6                  | 81.7                                  | 79.6                               |
| 2         | A                | C | F | 13160              | 70.1                  | 74.1                                  | 72.1                               |
| 3         | A                | D | E | 12180              | 64.4                  | 67.9                                  | 66.2                               |
| 4         | A                | D | F | 11120              | 58.3                  | 61.3                                  | 59.8                               |
| 5         | B                | C | E | 10120              | 52.6                  | 55.6                                  | 54.1                               |
| 6         | B                | C | F | 9100               | 47.0                  | 49.6                                  | 48.3                               |
| 7         | B                | D | E | 8090               | 41.5                  | 43.6                                  | 42.6                               |
| 8         | B                | D | F | 7050               | 36.1                  | 38.2                                  | 37.2                               |