

Lichttechnischer Prüfbefund

Familie

Licross® 11 Recessed

Bestell-Nr.: 51TE18DV4E5GE

EAN: 4058352965238

LP-Nummer

58691_156



Ausführung

Abdeckung satiniert, medium strahlend, hoher Sehkomfort

Bestückung

LED 4000 K | CRI ≥ 80

Betriebsgerät

EVG-DALI

Bemessungswerte

Nettolichtstrom = 14980 lm

Systemleistung = 84.5 W

Lichtausbeute = 177.3 lm/W

Seriendokumentation

26.09.2023

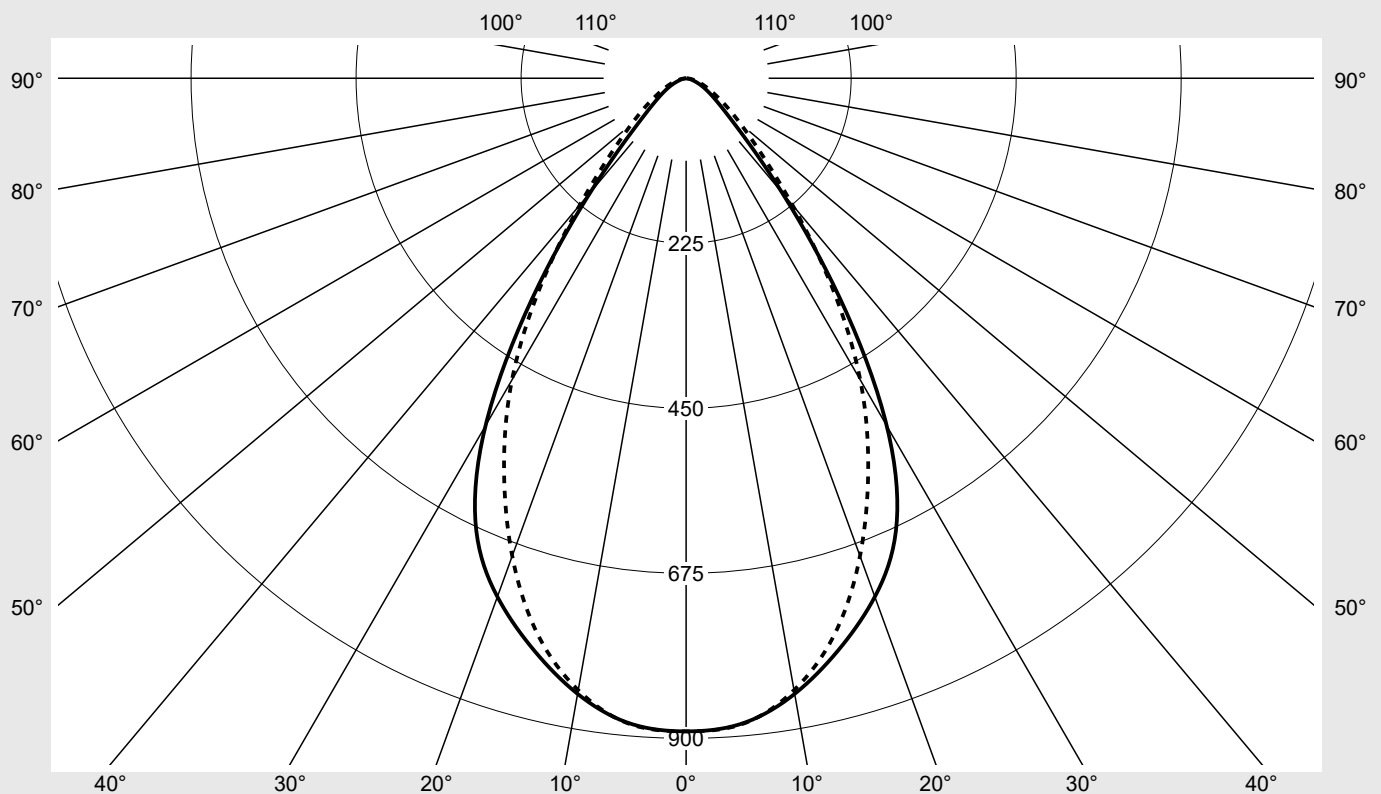
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Klassifizierungen

DIN 5040 A 6 0
 CIE N1=83 N2=96 N3=99
 N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

| | | |
|--|--|--------------------------------------|
| Familie Licross® 11 Recessed | Bestell-Nr.: 51TE18DV4E5GE EAN: 4058352965238 | LP-Nummer 58691_156 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeco |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|--------------|------------|-----------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| γ | | Lichtstärke in cd/klm | | | | | | Lichtstrom in lm/klm | |
| 0° | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 890.5 | 5.3 | 5.3 |
| 5° | 883.0 | 882.3 | 875.7 | 876.1 | 880.2 | 881.2 | 883.8 | 42.0 | 47.4 |
| 10° | 852.3 | 852.7 | 846.0 | 846.4 | 847.1 | 846.1 | 847.2 | 80.7 | 128.1 |
| 15° | 806.0 | 807.1 | 800.6 | 798.1 | 793.1 | 786.0 | 783.9 | 113.0 | 241.1 |
| 20° | 752.4 | 753.8 | 745.8 | 735.1 | 719.0 | 700.4 | 693.3 | 136.8 | 377.8 |
| 25° | 677.7 | 678.7 | 666.2 | 642.3 | 616.2 | 594.6 | 587.5 | 147.9 | 525.7 |
| 30° | 547.1 | 547.0 | 530.5 | 500.0 | 481.5 | 475.9 | 474.8 | 139.1 | 664.9 |
| 35° | 364.4 | 363.5 | 349.1 | 327.1 | 328.9 | 340.7 | 345.9 | 108.2 | 773.0 |
| 40° | 203.2 | 202.2 | 193.4 | 185.6 | 201.9 | 218.9 | 225.4 | 71.4 | 844.5 |
| 45° | 108.8 | 108.0 | 102.7 | 103.7 | 123.9 | 139.5 | 144.1 | 45.5 | 890.0 |
| 50° | 66.7 | 66.1 | 62.8 | 66.6 | 83.9 | 94.8 | 97.2 | 31.9 | 921.9 |
| 55° | 45.6 | 45.3 | 45.3 | 49.0 | 60.9 | 67.0 | 67.8 | 24.3 | 946.1 |
| 60° | 31.9 | 31.8 | 34.1 | 38.0 | 45.2 | 47.1 | 47.1 | 18.6 | 964.8 |
| 65° | 21.6 | 21.7 | 24.8 | 28.3 | 33.6 | 33.2 | 32.9 | 14.0 | 978.8 |
| 70° | 13.4 | 13.7 | 16.2 | 19.9 | 24.5 | 23.3 | 22.8 | 9.9 | 988.7 |
| 75° | 7.5 | 7.7 | 9.1 | 12.7 | 16.1 | 15.5 | 14.8 | 6.4 | 995.1 |
| 80° | 4.0 | 4.1 | 4.6 | 6.4 | 8.9 | 8.9 | 8.1 | 3.5 | 998.6 |
| 85° | 1.9 | 1.8 | 2.0 | 2.6 | 3.4 | 3.5 | 3.0 | 1.4 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

Lichttechnischer Prüfbefund

| | | |
|--|--|-------------------------------|
| Familie Licross® 11 Recessed | Bestell-Nr.: 51TE18DV4E5GE EAN: 4058352965238 | LP-Nummer 58691_156 |
|--|--|-------------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 18,9 | 20,3 | 19,3 | 20,6 | 20,9 | 19,9 | 21,2 | 20,2 | 21,5 | 21,8 |
| | 3H | 19,1 | 20,3 | 19,5 | 20,6 | 21,0 | 20,4 | 21,5 | 20,7 | 21,8 | 22,2 |
| | 4H | 19,2 | 20,2 | 19,6 | 20,6 | 21,0 | 20,6 | 21,6 | 21,0 | 22,0 | 22,3 |
| | 6H | 19,2 | 20,1 | 19,6 | 20,5 | 20,9 | 20,7 | 21,6 | 21,1 | 22,0 | 22,4 |
| | 8H | 19,2 | 20,1 | 19,7 | 20,5 | 20,9 | 20,8 | 21,6 | 21,2 | 22,0 | 22,4 |
| | 12H | 19,2 | 20,0 | 19,7 | 20,4 | 20,8 | 20,8 | 21,6 | 21,2 | 22,0 | 22,4 |
| 4H | 2H | 19,1 | 20,2 | 19,5 | 20,5 | 20,9 | 20,0 | 21,0 | 20,4 | 21,4 | 21,7 |
| | 3H | 19,4 | 20,3 | 19,8 | 20,7 | 21,1 | 20,6 | 21,5 | 21,0 | 21,9 | 22,3 |
| | 4H | 19,5 | 20,2 | 19,9 | 20,7 | 21,1 | 20,9 | 21,7 | 21,4 | 22,1 | 22,6 |
| | 6H | 19,5 | 20,2 | 19,9 | 20,6 | 21,1 | 21,1 | 21,8 | 21,6 | 22,2 | 22,7 |
| | 8H | 19,5 | 20,1 | 20,0 | 20,5 | 21,0 | 21,2 | 21,8 | 21,7 | 22,2 | 22,7 |
| | 12H | 19,5 | 20,0 | 20,0 | 20,5 | 21,0 | 21,3 | 21,8 | 21,8 | 22,2 | 22,7 |
| 8H | 4H | 19,6 | 20,2 | 20,0 | 20,6 | 21,1 | 20,9 | 21,5 | 21,4 | 22,0 | 22,5 |
| | 6H | 19,6 | 20,1 | 20,1 | 20,6 | 21,1 | 21,2 | 21,7 | 21,7 | 22,2 | 22,7 |
| | 8H | 19,6 | 20,0 | 20,1 | 20,5 | 21,1 | 21,3 | 21,8 | 21,8 | 22,2 | 22,8 |
| | 12H | 19,6 | 20,0 | 20,2 | 20,5 | 21,0 | 21,4 | 21,8 | 21,9 | 22,3 | 22,8 |
| 12H | 4H | 19,6 | 20,1 | 20,1 | 20,6 | 21,1 | 20,9 | 21,4 | 21,4 | 21,9 | 22,4 |
| | 6H | 19,6 | 20,0 | 20,2 | 20,5 | 21,1 | 21,2 | 21,6 | 21,7 | 22,1 | 22,6 |
| | 8H | 19,7 | 20,0 | 20,2 | 20,5 | 21,0 | 21,3 | 21,7 | 21,9 | 22,2 | 22,7 |

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

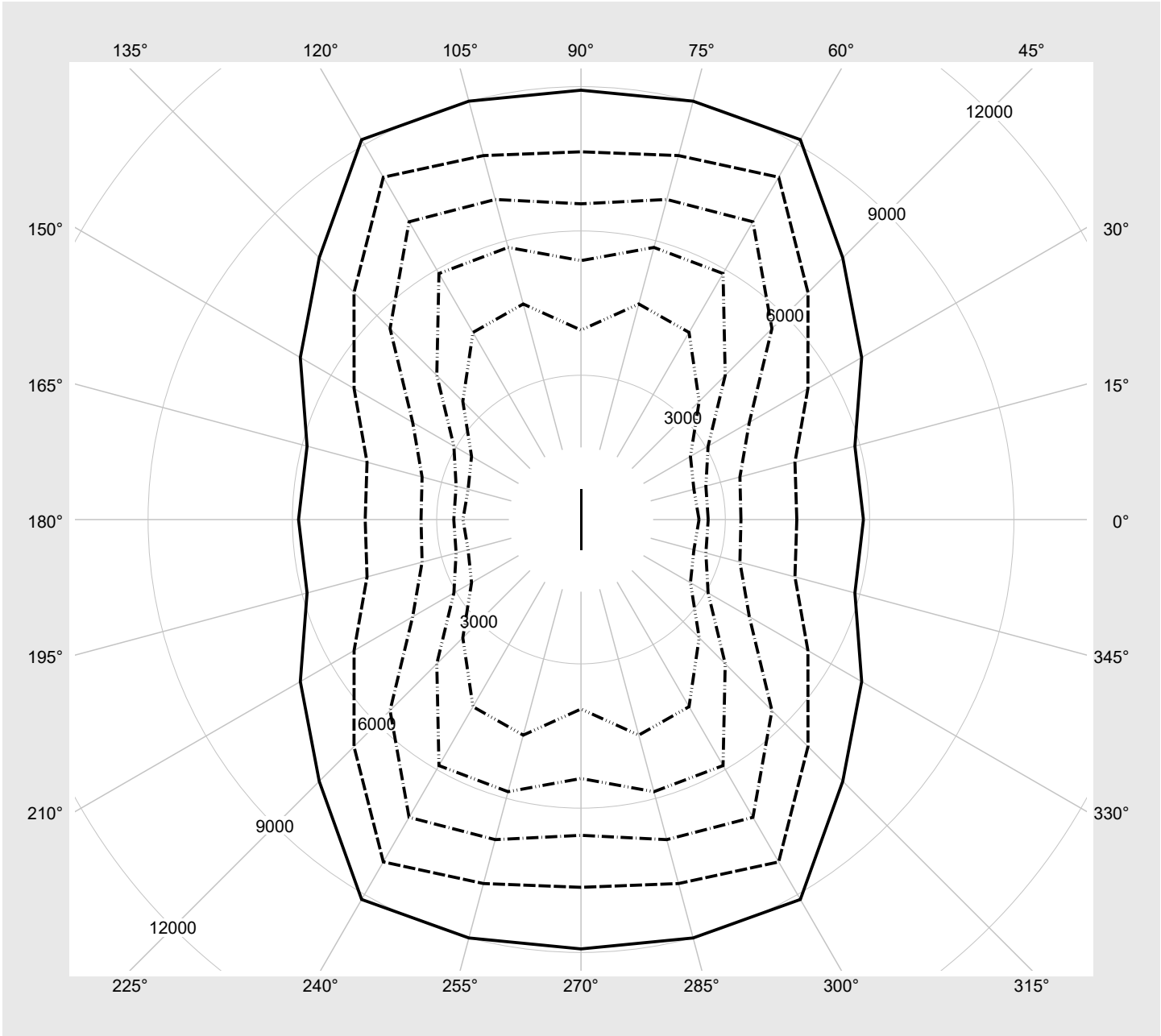
| C- Ebenen | γ | Leuchtdichte in cd/m ² | | | | | | |
|--------------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
| | 45° | 17666.1 | 17537.4 | 16664.7 | 16826.8 | 20117.7 | 22640.8 | 23399.2 |
| | 50° | 11919.5 | 11804.2 | 11208.1 | 11898.1 | 14989.0 | 16929.1 | 17366.8 |
| | 55° | 9123.3 | 9067.4 | 9072.4 | 9799.3 | 12179.0 | 13404.8 | 13567.1 |
| | 60° | 7330.4 | 7294.2 | 7839.9 | 8731.6 | 10368.7 | 10811.8 | 10801.7 |
| | 65° | 5871.8 | 5895.7 | 6737.7 | 7695.9 | 9120.5 | 9005.7 | 8926.6 |
| | 70° | 4486.6 | 4605.1 | 5447.1 | 6673.8 | 8219.0 | 7834.4 | 7646.1 |
| | 75° | 3325.5 | 3420.4 | 4040.8 | 5613.5 | 7148.5 | 6889.5 | 6564.9 |
| | 80° | 2644.8 | 2687.8 | 3051.4 | 4239.9 | 5906.4 | 5857.5 | 5383.6 |
| | 85° | 2453.7 | 2430.0 | 2627.5 | 3474.4 | 4492.5 | 4640.0 | 3939.3 |

Lichttechnischer Prüfbefund

| | | |
|---|--|--------------------------------------|
| Familie Licross® 11 Recessed | Bestell-Nr.: 51TE18DV4E5GE EAN: 4058352965238 | LP-Nummer 58691_156 |
|---|--|--------------------------------------|

Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



Lichttechnischer Prüfbefund

| | | |
|--|--|--------------------------------------|
| Familie Licross® 11 Recessed | Bestell-Nr.: 51TE18DV4E5GE EAN: 4058352965238 | LP-Nummer 58691_156 |
|--|--|--------------------------------------|

| | | |
|---------------------------|---------------------------|---------------|
| Dimmstufen-Tabelle | Umgebungstemperatur: 25°C | sITeco |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 14980 | 84.5 |
| 95 | 240 | 252 | 14225 | 79.8 |
| 90 | 226 | 250 | 13456 | 75.1 |
| 85 | 213 | 248 | 12739 | 70.7 |
| 80 | 199 | 245 | 11961 | 66.0 |
| 75 | 186 | 243 | 11228 | 61.7 |
| 70 | 173 | 240 | 10493 | 57.3 |
| 65 | 160 | 237 | 9750 | 53.0 |
| 60 | 147 | 234 | 8999 | 48.7 |
| 55 | 134 | 231 | 8237 | 44.4 |
| 50 | 121 | 227 | 7471 | 40.1 |
| 45 | 109 | 223 | 6758 | 36.4 |
| 40 | 96 | 218 | 5975 | 32.2 |
| 35 | 84 | 213 | 5251 | 28.4 |
| 30 | 72 | 208 | 4519 | 24.6 |
| 25 | 59 | 201 | 3715 | 20.4 |
| 20 | 47 | 192 | 2971 | 16.5 |
| 15 | 35 | 181 | 2220 | 12.4 |
| 10 | 24 | 168 | 1525 | 8.6 |
| 5 | 12 | 142 | 757 | 4.2 |
| 2 | 4 | 102 | 244 | 1.3 |