

Lichttechnischer Prüfbefund

Familie
Linear Office VEGA®

Bestell-Nr.: 5MN238DLE003 + 5MN91401
EAN: 4050737963846 + 4050737754987

LP-Nummer
56404_16



Ausführung Anbauleuchte, Prismen-Lichtleiter, 100%
Passepartout, direkt strahlend

Bestückung 1 x LED 3000K / CRI ≥ 80
(unbekannt LED 3000K / CRI = 80)

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 7100 lm
Systemleistung = 62.0 W
Lichtausbeute = 114.5 lm/W

Seriendokumentation
23.10.2015

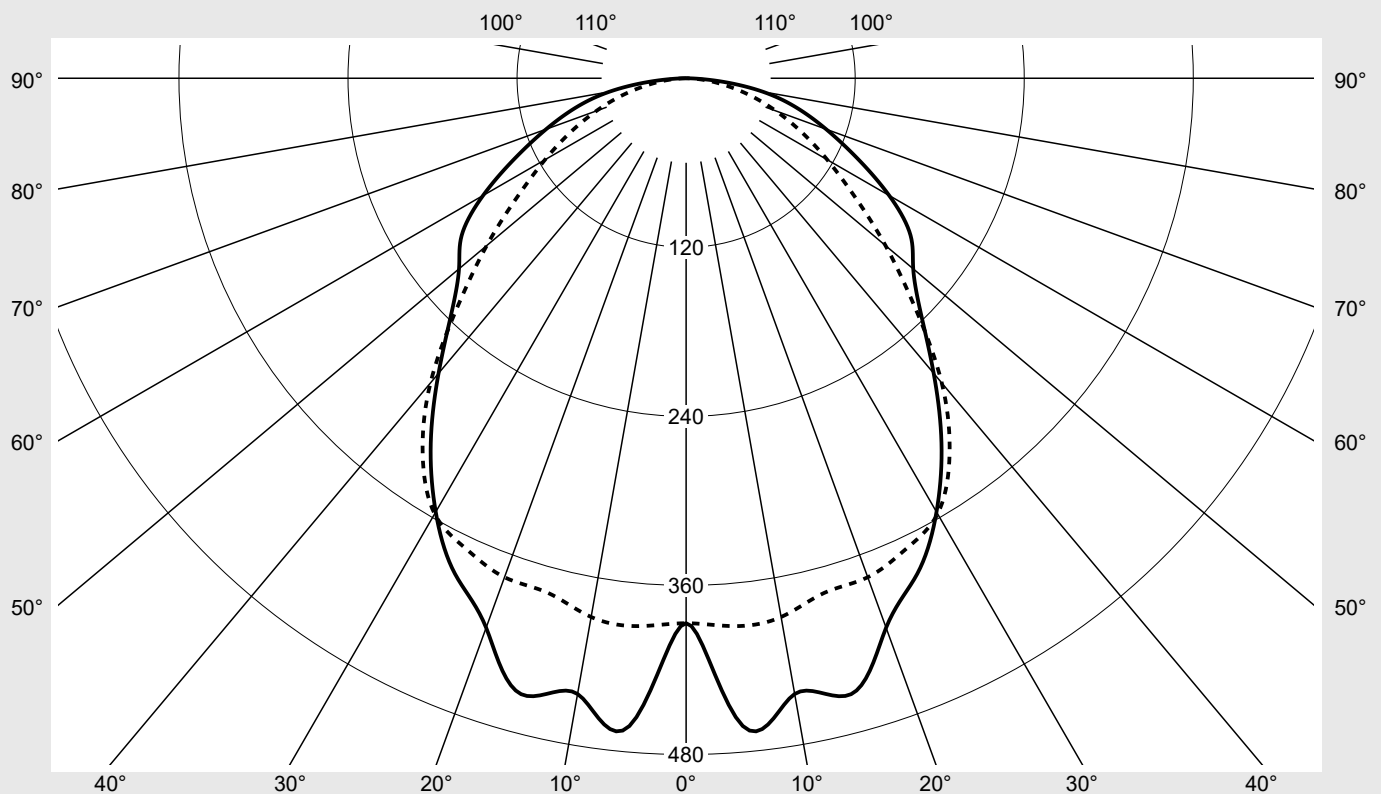
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 467 cd/klm



Klassifizierungen

DIN 5040 A 4 0
CIE N1=54 N2=82 N3=96
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° 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° | | | |
| Lichtstärke in cd/klm | | | | | | | | Lichtstrom in lm/klm | |
| γ | | | | | | | | | |
| 0° | 386.8 | 386.8 | 386.8 | 386.8 | 386.8 | 386.8 | 386.8 | 2.3 | 2.3 |
| 5° | 461.5 | 461.5 | 461.5 | 461.5 | 461.5 | 381.0 | 390.4 | 21.1 | 23.4 |
| 10° | 443.8 | 437.9 | 432.9 | 446.3 | 467.4 | 428.3 | 388.3 | 41.7 | 65.1 |
| 15° | 452.6 | 449.2 | 439.8 | 423.2 | 442.6 | 433.2 | 378.2 | 61.6 | 126.7 |
| 20° | 415.0 | 411.0 | 408.2 | 404.7 | 404.8 | 433.1 | 376.9 | 76.8 | 203.5 |
| 25° | 388.2 | 380.5 | 367.1 | 362.4 | 367.8 | 402.6 | 368.8 | 87.2 | 290.7 |
| 30° | 355.5 | 345.4 | 333.6 | 317.4 | 310.7 | 360.6 | 357.0 | 92.4 | 383.2 |
| 35° | 316.0 | 305.8 | 289.3 | 279.6 | 259.0 | 314.3 | 326.0 | 92.7 | 475.8 |
| 40° | 273.4 | 262.9 | 250.7 | 236.6 | 216.5 | 258.3 | 282.3 | 88.3 | 564.1 |
| 45° | 235.5 | 226.1 | 210.9 | 196.5 | 181.8 | 207.9 | 229.6 | 81.1 | 645.2 |
| 50° | 210.4 | 203.1 | 181.3 | 164.6 | 153.9 | 170.2 | 184.8 | 74.9 | 720.2 |
| 55° | 194.5 | 184.5 | 158.1 | 135.8 | 130.8 | 140.3 | 145.8 | 68.8 | 789.0 |
| 60° | 166.4 | 157.1 | 131.9 | 111.3 | 109.6 | 116.7 | 115.7 | 60.7 | 849.7 |
| 65° | 133.7 | 127.5 | 106.3 | 88.5 | 90.0 | 95.0 | 90.5 | 51.3 | 901.0 |
| 70° | 105.8 | 98.2 | 81.0 | 67.0 | 69.7 | 72.9 | 67.8 | 40.8 | 941.8 |
| 75° | 81.5 | 72.6 | 57.9 | 46.6 | 49.7 | 51.7 | 47.1 | 30.3 | 972.1 |
| 80° | 55.5 | 48.5 | 36.3 | 28.2 | 30.2 | 30.7 | 27.7 | 19.4 | 991.4 |
| 85° | 23.2 | 20.4 | 15.9 | 12.8 | 13.9 | 13.4 | 11.8 | 8.5 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 175° | 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 |

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| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| Raumabmessungen | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 18,0 | 19,6 | 18,3 | 19,9 | 20,2 | 16,5 | 18,2 | 16,9 | 18,5 | 18,8 |
| | 3H | 19,8 | 21,2 | 20,2 | 21,6 | 21,9 | 18,0 | 19,5 | 18,4 | 19,8 | 20,1 |
| | 4H | 20,6 | 22,0 | 21,0 | 22,3 | 22,7 | 18,6 | 20,0 | 19,0 | 20,3 | 20,7 |
| | 6H | 21,4 | 22,6 | 21,8 | 23,0 | 23,4 | 19,0 | 20,3 | 19,4 | 20,6 | 21,0 |
| | 8H | 21,7 | 22,9 | 22,1 | 23,2 | 23,7 | 19,2 | 20,3 | 19,6 | 20,7 | 21,1 |
| | 12H | 21,9 | 23,0 | 22,3 | 23,4 | 23,8 | 19,3 | 20,4 | 19,7 | 20,8 | 21,2 |
| 4H | 2H | 18,4 | 19,7 | 18,8 | 20,1 | 20,5 | 17,2 | 18,6 | 17,6 | 18,9 | 19,3 |
| | 3H | 20,4 | 21,5 | 20,8 | 21,9 | 22,3 | 18,9 | 20,0 | 19,3 | 20,4 | 20,8 |
| | 4H | 21,3 | 22,4 | 21,8 | 22,8 | 23,2 | 19,6 | 20,6 | 20,0 | 21,0 | 21,5 |
| | 6H | 22,3 | 23,2 | 22,7 | 23,6 | 24,0 | 20,1 | 21,0 | 20,6 | 21,5 | 21,9 |
| | 8H | 22,6 | 23,4 | 23,1 | 23,9 | 24,4 | 20,3 | 21,2 | 20,8 | 21,6 | 22,1 |
| | 12H | 22,9 | 23,6 | 23,4 | 24,1 | 24,6 | 20,5 | 21,2 | 21,0 | 21,7 | 22,2 |
| 8H | 4H | 21,5 | 22,3 | 22,0 | 22,8 | 23,2 | 19,9 | 20,7 | 20,4 | 21,2 | 21,7 |
| | 6H | 22,5 | 23,2 | 23,0 | 23,7 | 24,2 | 20,6 | 21,3 | 21,1 | 21,7 | 22,2 |
| | 8H | 23,0 | 23,6 | 23,5 | 24,0 | 24,6 | 20,9 | 21,5 | 21,4 | 21,9 | 22,5 |
| | 12H | 23,3 | 23,8 | 23,8 | 24,3 | 24,8 | 21,1 | 21,6 | 21,6 | 22,1 | 22,6 |
| 12H | 4H | 21,5 | 22,3 | 22,0 | 22,7 | 23,2 | 20,0 | 20,7 | 20,5 | 21,2 | 21,7 |
| | 6H | 22,6 | 23,2 | 23,1 | 23,6 | 24,2 | 20,7 | 21,3 | 21,2 | 21,8 | 22,3 |
| | 8H | 23,0 | 23,5 | 23,5 | 24,0 | 24,6 | 21,0 | 21,5 | 21,5 | 22,0 | 22,5 |

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

Lichttechnische Abmessungen in mm: L = 1250, B = 350

| 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° | 45° | 5405.4 | 5189.2 | 4841.2 | 4509.0 | 4173.4 | 4771.8 | 5268.9 | |
| 50° | 50° | 5313.1 | 5127.9 | 4576.1 | 4155.6 | 3885.3 | 4297.0 | 4664.9 | |
| 55° | 55° | 5502.6 | 5220.8 | 4472.2 | 3842.7 | 3700.7 | 3970.2 | 4124.5 | |
| 60° | 60° | 5401.8 | 5097.5 | 4281.1 | 3611.1 | 3558.0 | 3786.3 | 3754.0 | |
| 65° | 65° | 5135.7 | 4895.2 | 4081.8 | 3397.0 | 3454.9 | 3647.3 | 3474.1 | |
| 70° | 70° | 5018.7 | 4660.2 | 3841.3 | 3178.8 | 3305.8 | 3461.0 | 3216.2 | |
| 75° | 75° | 5112.5 | 4554.3 | 3632.0 | 2923.1 | 3115.1 | 3242.8 | 2951.0 | |
| 80° | 80° | 5189.9 | 4536.1 | 3392.9 | 2631.5 | 2822.3 | 2870.4 | 2585.7 | |
| 85° | 85° | 4328.6 | 3798.5 | 2956.9 | 2377.4 | 2593.2 | 2494.5 | 2188.8 | |

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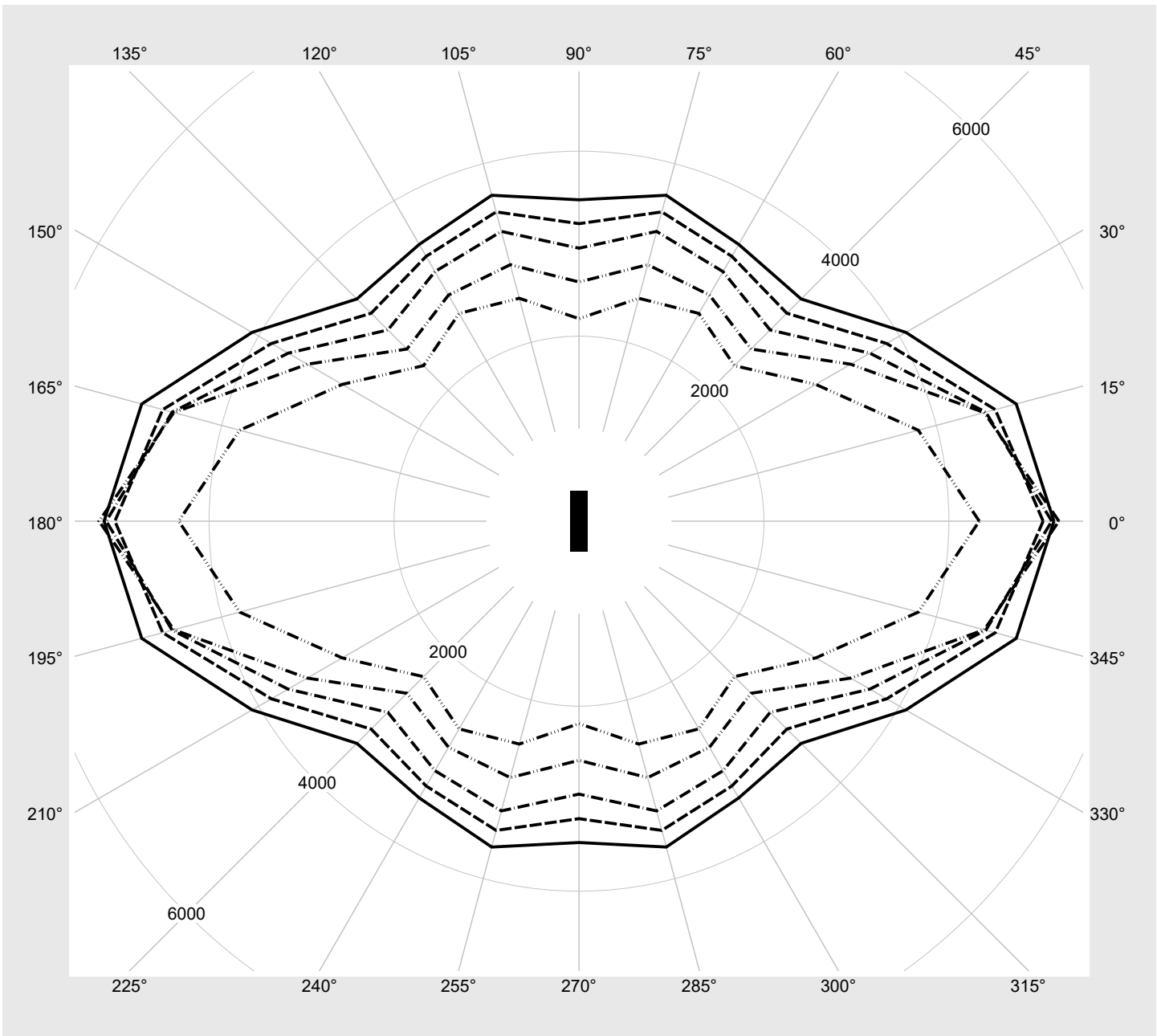
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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



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

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 7100 | 62.0 |
| 95 | 240 | 252 | 6745 | 58.6 |
| 90 | 225 | 250 | 6390 | 54.9 |
| 85 | 211 | 247 | 6035 | 51.5 |
| 80 | 198 | 245 | 5680 | 48.2 |
| 75 | 184 | 242 | 5325 | 45.0 |
| 70 | 171 | 240 | 4970 | 41.8 |
| 65 | 158 | 237 | 4615 | 38.5 |
| 60 | 144 | 234 | 4260 | 35.2 |
| 55 | 132 | 230 | 3905 | 32.5 |
| 50 | 119 | 227 | 3550 | 29.2 |
| 45 | 107 | 223 | 3195 | 26.5 |
| 40 | 94 | 218 | 2840 | 23.6 |
| 35 | 82 | 213 | 2485 | 20.8 |
| 30 | 70 | 207 | 2130 | 17.9 |
| 25 | 58 | 200 | 1775 | 15.3 |
| 20 | 46 | 192 | 1420 | 12.5 |
| 15 | 34 | 181 | 1065 | 9.8 |
| 10 | 23 | 166 | 710 | 7.2 |
| 5 | 12 | 141 | 355 | 4.6 |