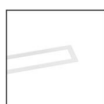


Lichttechnischer Prüfbefund

Familie
Linear Office VEGA®

Bestell-Nr.: 5MN238DLC0S + 5MN91402
EAN: 4050737964041 + 4050737755007

LP-Nummer
56403_9



Ausführung Pendelleuchte, Prismen-Lichtleiter, direkt-/indirekt strahlend, 70% Passepartout, Sensor Master

Bestückung 1 x LED 4000K / CRI ≥ 80
(unbekannt LED 4000K / CRI = 83)

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4240 lm
Systemleistung = 31.0 W
Lichtausbeute = 136.8 lm/W

Seriendokumentation
23.10.2015

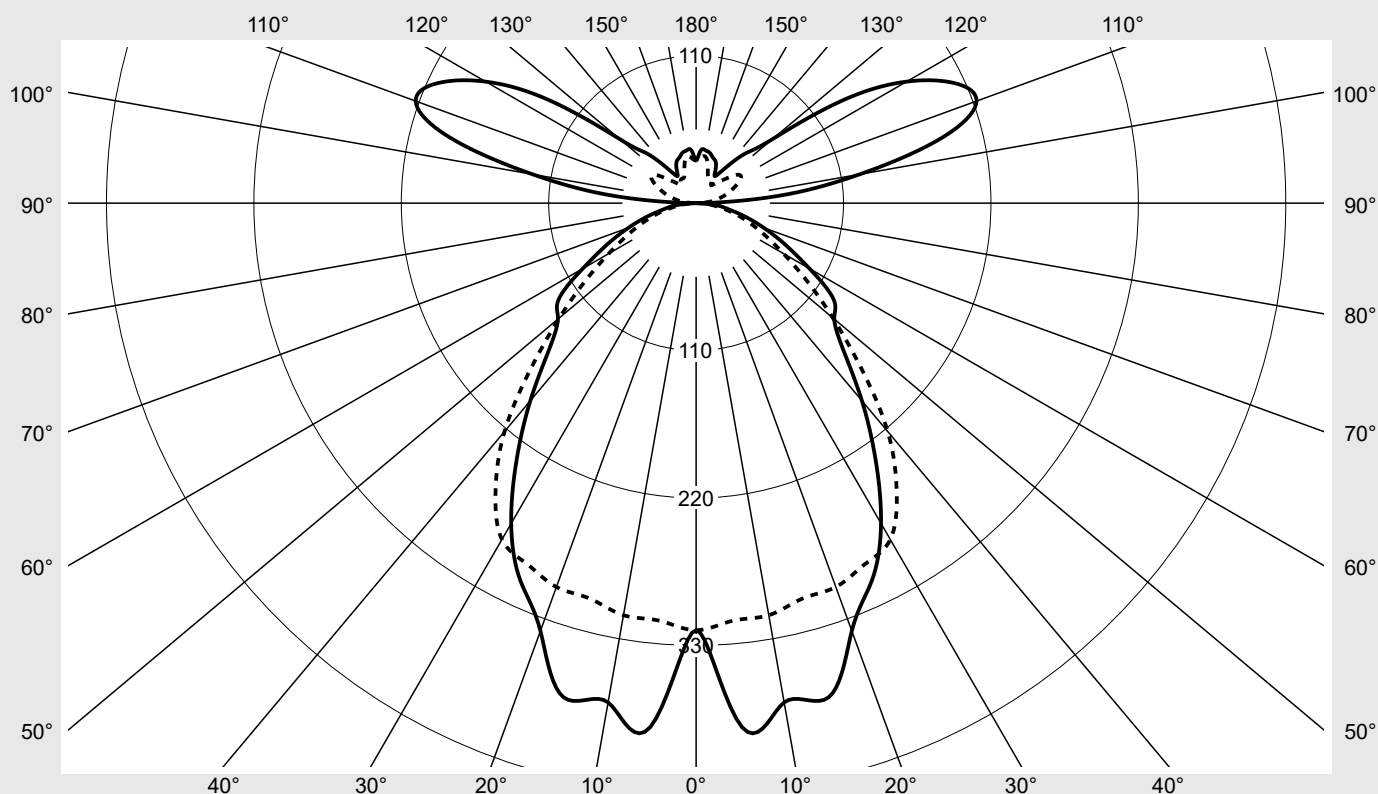
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 401 cd/klm



Klassifizierungen

DIN 5040 B 5 1
CIE N1=61 N2=86 N3=97
N4=71 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 71,0%
 ϕ_o 29,0%

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° | 318.7 | 318.7 | 318.7 | 318.7 | 318.7 | 318.7 | 318.7 | 1.9 | 1.9 |
| 5° | 392.5 | 392.7 | 386.9 | 364.1 | 325.2 | 307.3 | 312.8 | 16.9 | 18.9 |
| 10° | 378.3 | 373.0 | 368.0 | 380.2 | 400.7 | 354.0 | 312.2 | 35.2 | 54.1 |
| 15° | 381.8 | 379.2 | 373.4 | 357.2 | 377.9 | 366.1 | 305.6 | 52.0 | 106.0 |
| 20° | 339.7 | 336.6 | 335.5 | 336.4 | 339.1 | 368.9 | 304.8 | 63.7 | 169.8 |
| 25° | 310.5 | 302.7 | 291.0 | 290.4 | 299.8 | 341.6 | 297.5 | 70.6 | 240.4 |
| 30° | 276.0 | 265.3 | 255.9 | 243.2 | 241.7 | 299.7 | 289.8 | 72.6 | 312.9 |
| 35° | 233.4 | 224.2 | 210.7 | 204.3 | 188.2 | 252.3 | 260.9 | 69.5 | 382.5 |
| 40° | 192.5 | 183.2 | 173.3 | 163.4 | 147.5 | 199.6 | 222.4 | 63.1 | 445.6 |
| 45° | 155.6 | 148.4 | 136.2 | 125.2 | 116.2 | 151.4 | 174.2 | 54.4 | 500.0 |
| 50° | 134.6 | 129.3 | 111.6 | 98.2 | 93.1 | 116.8 | 133.2 | 47.8 | 547.8 |
| 55° | 125.3 | 117.4 | 94.8 | 76.4 | 76.4 | 93.3 | 100.7 | 42.8 | 590.5 |
| 60° | 97.7 | 94.1 | 75.7 | 59.2 | 63.0 | 75.6 | 75.2 | 35.9 | 626.5 |
| 65° | 73.6 | 71.7 | 58.3 | 45.9 | 52.1 | 61.4 | 56.7 | 29.4 | 655.8 |
| 70° | 53.7 | 51.4 | 42.8 | 34.2 | 41.2 | 47.5 | 41.9 | 22.7 | 678.6 |
| 75° | 36.7 | 34.6 | 29.2 | 23.9 | 29.8 | 34.0 | 29.3 | 16.3 | 694.8 |
| 80° | 23.1 | 21.1 | 17.5 | 14.8 | 18.6 | 20.5 | 17.6 | 10.2 | 705.0 |
| 85° | 11.7 | 10.5 | 8.9 | 7.6 | 9.5 | 9.6 | 8.3 | 5.1 | 710.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 710.1 |
| 95° | 60.9 | 46.5 | 24.4 | 9.7 | 8.5 | 8.7 | 8.4 | 12.1 | 722.2 |
| 100° | 123.9 | 92.6 | 46.6 | 18.8 | 17.5 | 17.1 | 15.4 | 23.6 | 745.7 |
| 105° | 191.1 | 139.2 | 72.9 | 28.0 | 25.4 | 25.3 | 21.8 | 35.0 | 780.8 |
| 110° | 222.7 | 161.1 | 83.4 | 34.0 | 31.1 | 31.7 | 27.8 | 40.1 | 820.8 |
| 115° | 212.2 | 164.7 | 81.3 | 37.2 | 35.6 | 35.5 | 34.0 | 39.5 | 860.4 |
| 120° | 181.3 | 149.8 | 66.6 | 38.0 | 37.1 | 36.2 | 38.7 | 34.6 | 895.0 |
| 125° | 134.1 | 94.1 | 48.6 | 38.4 | 38.1 | 37.0 | 36.8 | 25.6 | 920.6 |
| 130° | 74.1 | 59.9 | 43.3 | 38.4 | 37.7 | 34.6 | 27.7 | 18.5 | 939.1 |
| 135° | 52.9 | 48.2 | 42.1 | 37.4 | 30.3 | 27.0 | 21.8 | 14.4 | 953.4 |
| 140° | 35.1 | 33.0 | 26.1 | 21.9 | 19.2 | 19.6 | 17.5 | 8.6 | 962.0 |
| 145° | 24.6 | 25.9 | 23.7 | 22.9 | 18.3 | 20.5 | 20.1 | 7.0 | 969.0 |
| 150° | 29.1 | 29.9 | 29.0 | 26.6 | 23.9 | 24.9 | 21.1 | 7.3 | 976.3 |
| 155° | 34.3 | 34.0 | 31.4 | 27.4 | 28.9 | 29.4 | 21.3 | 6.9 | 983.2 |
| 160° | 36.3 | 33.8 | 29.1 | 30.8 | 32.8 | 33.1 | 25.6 | 6.0 | 989.2 |
| 165° | 39.0 | 37.6 | 36.2 | 36.1 | 36.6 | 36.2 | 32.3 | 5.2 | 994.3 |
| 170° | 40.0 | 39.5 | 38.9 | 39.0 | 39.3 | 37.1 | 35.6 | 3.7 | 998.0 |
| 175° | 39.4 | 39.3 | 38.7 | 37.5 | 35.5 | 33.9 | 33.4 | 1.8 | 999.8 |
| 180° | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 0.2 | 1000.0 |

Lichttechnischer Prüfbefund

| | | |
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|---------------------------------------|---|-----------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 12,6 | 13,7 | 13,2 | 14,4 | 15,2 | 11,6 | 12,8 | 12,3 | 13,5 | 14,3 |
| | 3H | 13,8 | 14,8 | 14,5 | 15,5 | 16,4 | 12,9 | 13,9 | 13,6 | 14,6 | 15,5 |
| | 4H | 14,3 | 15,2 | 15,0 | 15,9 | 16,8 | 13,4 | 14,4 | 14,1 | 15,1 | 15,9 |
| | 6H | 14,7 | 15,5 | 15,4 | 16,3 | 17,2 | 13,9 | 14,7 | 14,6 | 15,5 | 16,3 |
| | 8H | 14,7 | 15,5 | 15,5 | 16,3 | 17,2 | 13,9 | 14,6 | 14,6 | 15,4 | 16,3 |
| | 12H | 14,9 | 15,6 | 15,7 | 16,4 | 17,3 | 14,0 | 14,7 | 14,8 | 15,5 | 16,4 |
| 4H | 2H | 12,7 | 13,6 | 13,4 | 14,4 | 15,2 | 11,8 | 12,7 | 12,5 | 13,5 | 14,4 |
| | 3H | 14,2 | 14,9 | 14,9 | 15,7 | 16,6 | 13,3 | 14,1 | 14,0 | 14,8 | 15,8 |
| | 4H | 14,7 | 15,4 | 15,5 | 16,2 | 17,2 | 14,0 | 14,7 | 14,7 | 15,4 | 16,4 |
| | 6H | 15,3 | 15,9 | 16,1 | 16,7 | 17,7 | 14,6 | 15,2 | 15,4 | 16,0 | 16,9 |
| | 8H | 15,4 | 15,9 | 16,2 | 16,7 | 17,8 | 14,7 | 15,2 | 15,5 | 16,0 | 17,0 |
| | 12H | 15,6 | 16,1 | 16,4 | 16,9 | 17,9 | 14,8 | 15,3 | 15,7 | 16,1 | 17,1 |
| 8H | 4H | 14,8 | 15,3 | 15,6 | 16,1 | 17,1 | 14,0 | 14,5 | 14,8 | 15,4 | 16,4 |
| | 6H | 15,4 | 15,8 | 16,2 | 16,7 | 17,7 | 14,6 | 15,1 | 15,5 | 15,9 | 17,0 |
| | 8H | 15,6 | 16,0 | 16,5 | 16,9 | 17,9 | 14,9 | 15,3 | 15,8 | 16,2 | 17,2 |
| | 12H | 15,9 | 16,2 | 16,8 | 17,1 | 18,2 | 15,2 | 15,6 | 16,1 | 16,4 | 17,5 |
| 12H | 4H | 14,8 | 15,3 | 15,6 | 16,1 | 17,1 | 14,0 | 14,5 | 14,9 | 15,3 | 16,4 |
| | 6H | 15,4 | 15,8 | 16,3 | 16,6 | 17,7 | 14,7 | 15,1 | 15,6 | 16,0 | 17,0 |
| | 8H | 15,7 | 16,0 | 16,6 | 16,9 | 17,9 | 15,0 | 15,4 | 15,9 | 16,2 | 17,3 |

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° | | 2132.3 | 2033.6 | 1867.4 | 1716.5 | 1593.2 | 2075.0 | 2388.0 |
| 50° | | 2029.5 | 1949.7 | 1683.1 | 1480.1 | 1404.3 | 1760.8 | 2008.0 |
| 55° | | 2116.4 | 1983.1 | 1601.9 | 1291.2 | 1290.6 | 1576.6 | 1701.5 |
| 60° | | 1894.0 | 1824.6 | 1466.9 | 1147.6 | 1221.6 | 1464.8 | 1457.5 |
| 65° | | 1686.8 | 1644.4 | 1337.7 | 1053.1 | 1195.0 | 1407.7 | 1300.9 |
| 70° | | 1521.7 | 1455.2 | 1213.8 | 968.7 | 1167.3 | 1345.0 | 1188.3 |
| 75° | | 1374.7 | 1293.9 | 1094.9 | 896.5 | 1116.5 | 1272.5 | 1095.3 |
| 80° | | 1292.0 | 1175.9 | 977.9 | 824.9 | 1038.2 | 1145.1 | 981.4 |
| 85° | | 1297.1 | 1171.5 | 985.3 | 840.0 | 1058.7 | 1070.0 | 920.4 |

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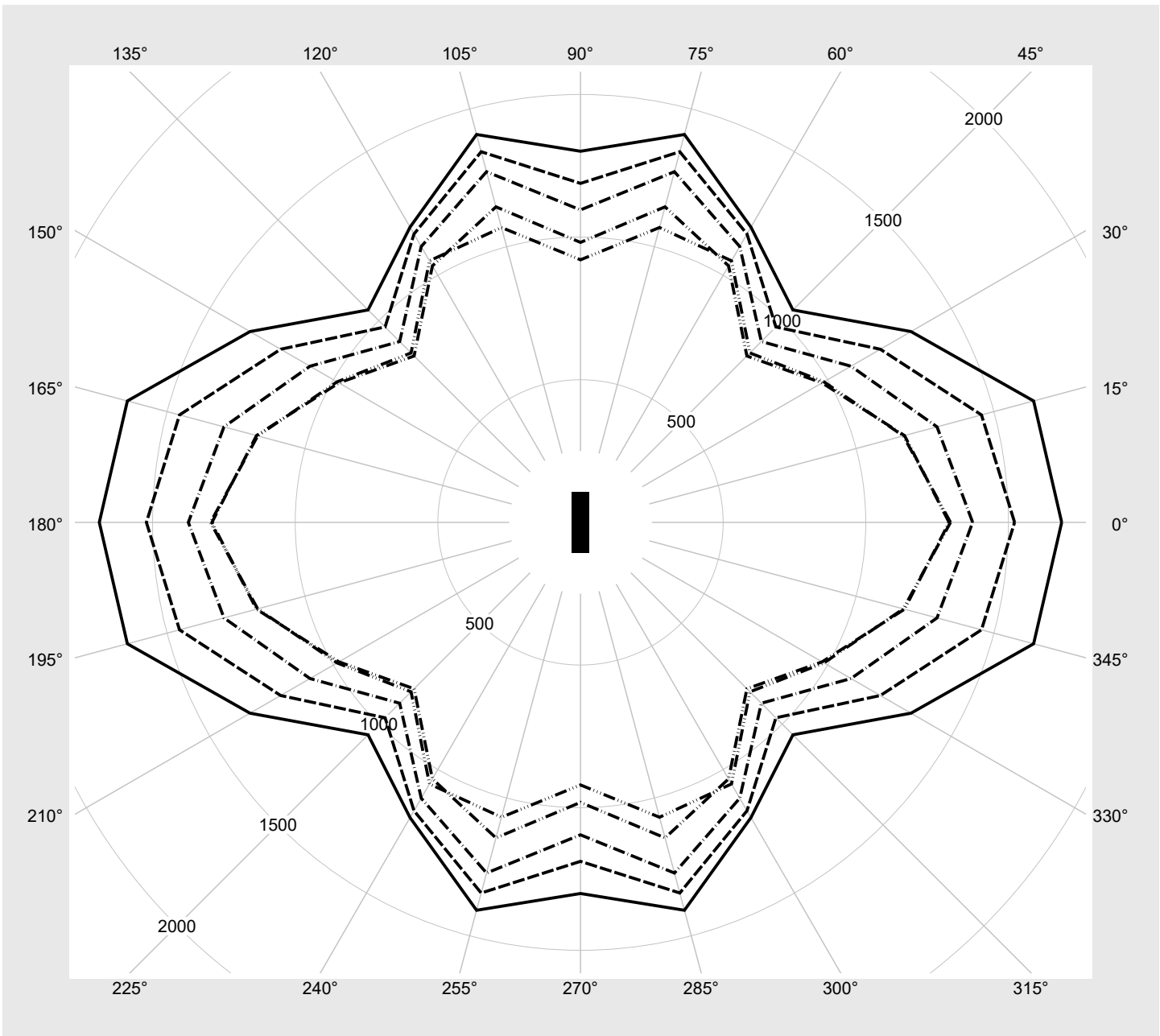
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56403_9

Leuchtdichten in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Lichttechnischer Prüfbefund

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



| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 4240 | 31.0 |
| 95 | 241 | 252 | 4028 | 29.4 |
| 90 | 227 | 250 | 3816 | 27.8 |
| 85 | 214 | 248 | 3604 | 26.3 |
| 80 | 201 | 245 | 3392 | 24.7 |
| 75 | 188 | 243 | 3180 | 23.2 |
| 70 | 175 | 240 | 2968 | 21.7 |
| 65 | 162 | 238 | 2756 | 20.2 |
| 60 | 149 | 235 | 2544 | 18.7 |
| 55 | 136 | 232 | 2332 | 17.3 |
| 50 | 124 | 227 | 2120 | 15.8 |
| 45 | 111 | 224 | 1908 | 14.4 |
| 40 | 98 | 219 | 1696 | 13.1 |
| 35 | 86 | 214 | 1484 | 11.7 |
| 30 | 74 | 209 | 1272 | 10.3 |
| 25 | 61 | 201 | 1060 | 8.9 |
| 20 | 48 | 194 | 848 | 7.5 |
| 15 | 36 | 183 | 636 | 6.1 |
| 10 | 24 | 170 | 424 | 4.6 |
| 5 | 12 | 142 | 212 | 3.4 |