

Lichttechnischer Prüfbefund

Familie
Linear Office VEGA®

Bestell-Nr.: 5MN238DLC + 5MN91401
EAN: 4050737963761 + 4050737754987

LP-Nummer
56404_1



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

Bestückung LED 4000K / CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4170 lm
Systemleistung = 31.0 W
Lichtausbeute = 134.5 lm/W

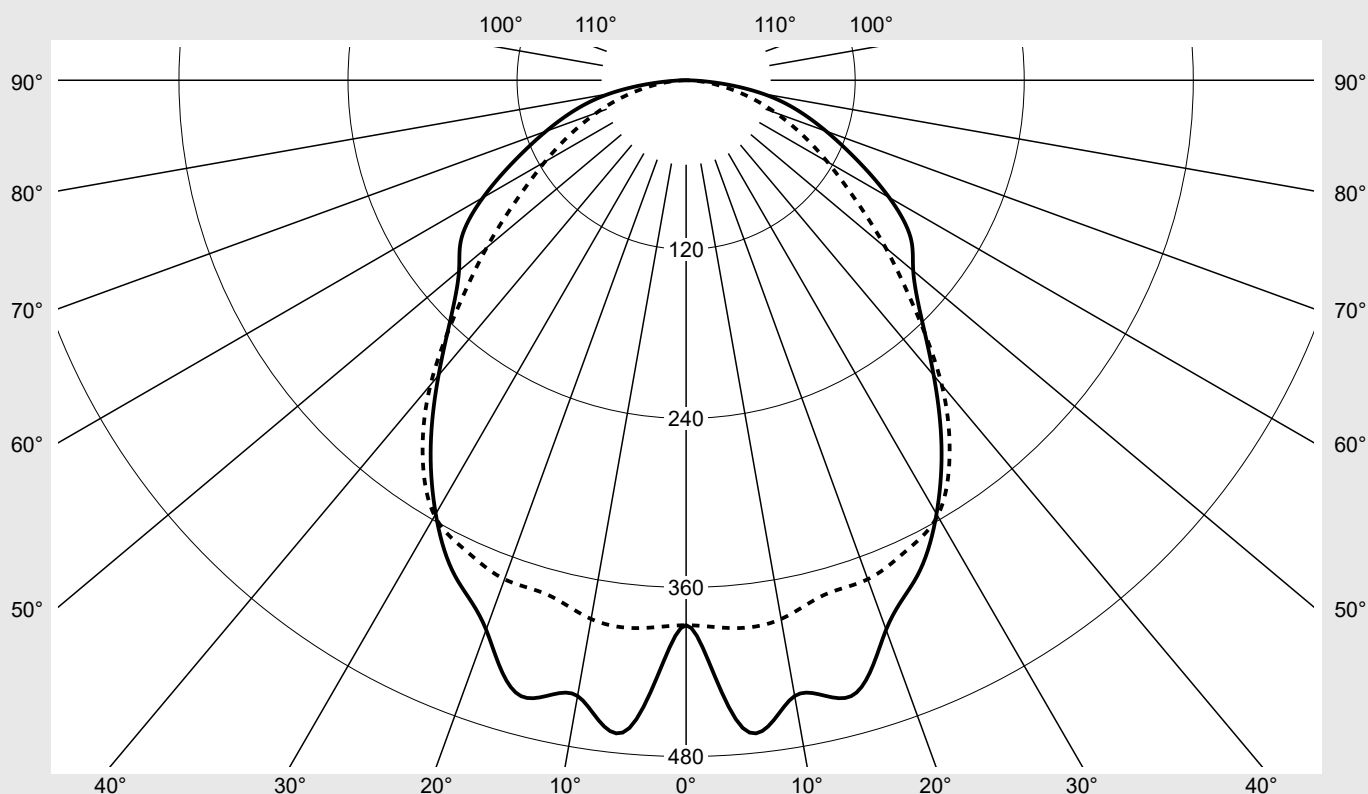
Seriendokumentation
23.10.2015

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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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	16,1	17,8	16,5	18,1	18,4	14,7	16,3	15,1	16,6	16,9
	3H	17,9	19,4	18,3	19,7	20,1	16,1	17,6	16,5	17,9	18,3
	4H	18,8	20,1	19,2	20,5	20,9	16,7	18,1	17,1	18,5	18,8
	6H	19,6	20,8	20,0	21,2	21,5	17,2	18,4	17,6	18,8	19,2
	8H	19,9	21,0	20,3	21,4	21,8	17,3	18,5	17,8	18,9	19,3
	12H	20,1	21,1	20,5	21,5	21,9	17,4	18,5	17,8	18,9	19,3
4H	2H	16,5	17,9	16,9	18,3	18,6	15,4	16,7	15,8	17,1	17,5
	3H	18,5	19,7	18,9	20,1	20,5	17,0	18,2	17,4	18,5	19,0
	4H	19,5	20,5	19,9	20,9	21,4	17,7	18,8	18,2	19,2	19,6
	6H	20,4	21,3	20,9	21,7	22,2	18,3	19,2	18,8	19,6	20,1
	8H	20,8	21,6	21,2	22,0	22,5	18,5	19,3	18,9	19,8	20,2
	12H	21,1	21,8	21,5	22,2	22,7	18,6	19,4	19,1	19,8	20,3
8H	4H	19,6	20,5	20,1	20,9	21,4	18,1	18,9	18,5	19,3	19,8
	6H	20,7	21,4	21,1	21,8	22,3	18,7	19,4	19,2	19,9	20,4
	8H	21,1	21,7	21,6	22,2	22,7	19,0	19,6	19,5	20,1	20,6
	12H	21,5	22,0	22,0	22,5	23,0	19,2	19,7	19,7	20,2	20,8
12H	4H	19,7	20,4	20,2	20,9	21,4	18,2	18,9	18,6	19,3	19,8
	6H	20,7	21,3	21,2	21,8	22,3	18,9	19,4	19,4	19,9	20,4
	8H	21,2	21,7	21,7	22,2	22,7	19,2	19,7	19,7	20,2	20,7

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°		3174.7	3047.8	2843.3	2648.3	2451.2	2802.6	3094.5	
50°		3120.5	3011.7	2687.6	2440.7	2282.0	2523.7	2739.8	
55°		3231.8	3066.3	2626.7	2256.9	2173.5	2331.8	2422.4	
60°		3172.6	2993.9	2514.4	2120.9	2089.7	2223.8	2204.8	
65°		3016.3	2875.1	2397.3	1995.2	2029.1	2142.2	2040.4	
70°		2947.6	2737.0	2256.1	1867.0	1941.6	2032.8	1889.0	
75°		3002.7	2674.9	2133.1	1716.8	1829.6	1904.6	1733.2	
80°		3048.2	2664.2	1992.8	1545.5	1657.6	1685.9	1518.6	
85°		2542.3	2231.0	1736.7	1396.3	1523.1	1465.1	1285.5	

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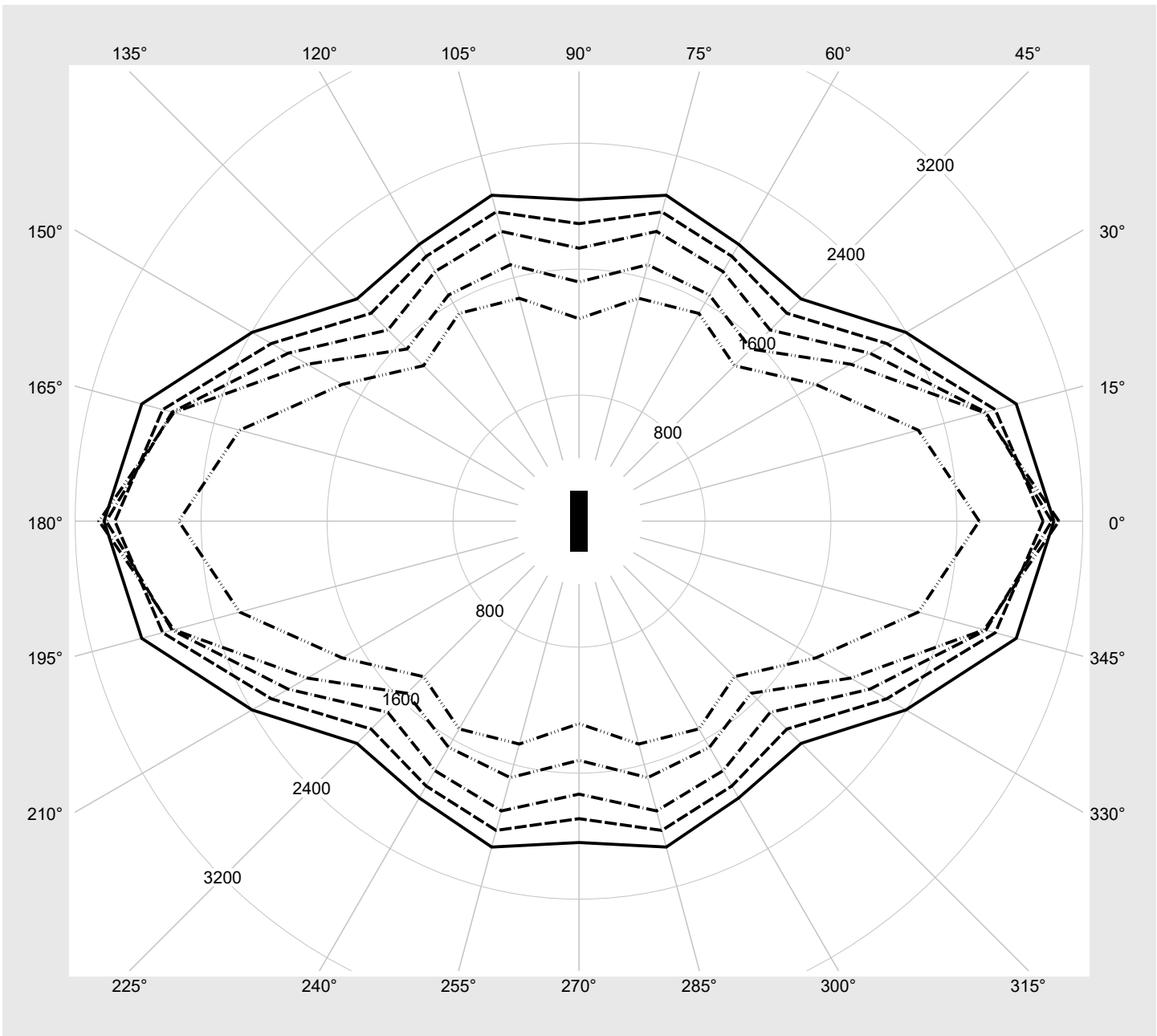
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Leuchtdichten in cd/m²

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	4170	31.0
95	241	252	3962	29.4
90	227	250	3753	27.8
85	214	248	3544	26.3
80	201	246	3336	24.7
75	188	243	3128	23.2
70	175	241	2919	21.7
65	162	238	2710	20.2
60	149	235	2502	18.7
55	136	233	2294	17.3
50	124	229	2085	15.8
45	111	226	1876	14.4
40	98	222	1668	13.1
35	86	218	1460	11.7
30	74	214	1251	10.3
25	61	208	1042	8.9
20	48	202	834	7.5
15	36	194	626	6.1
10	24	184	417	4.6
5	12	173	208	3.4