

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

Betriebsgerät EVG-DALI

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

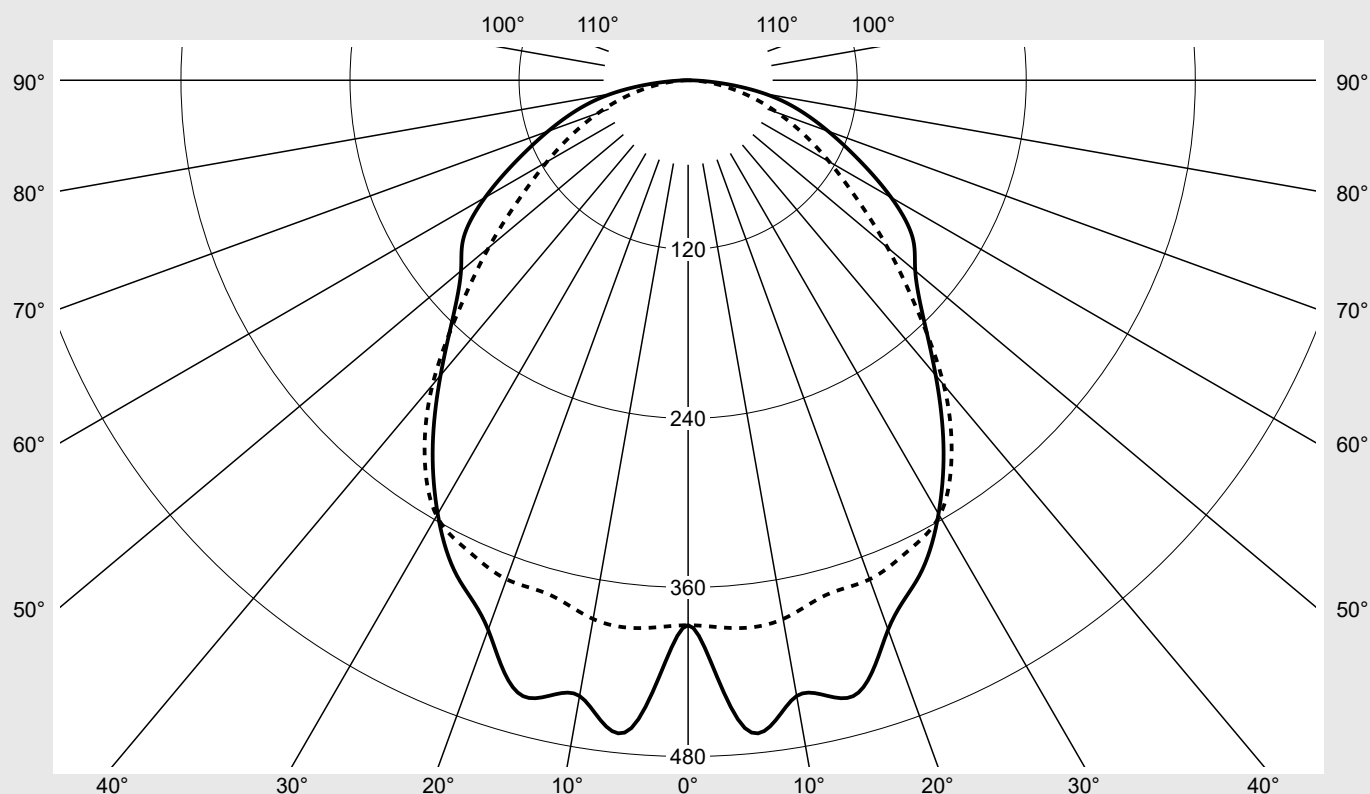
Seriendokumentation
23.10.2015

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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

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
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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	

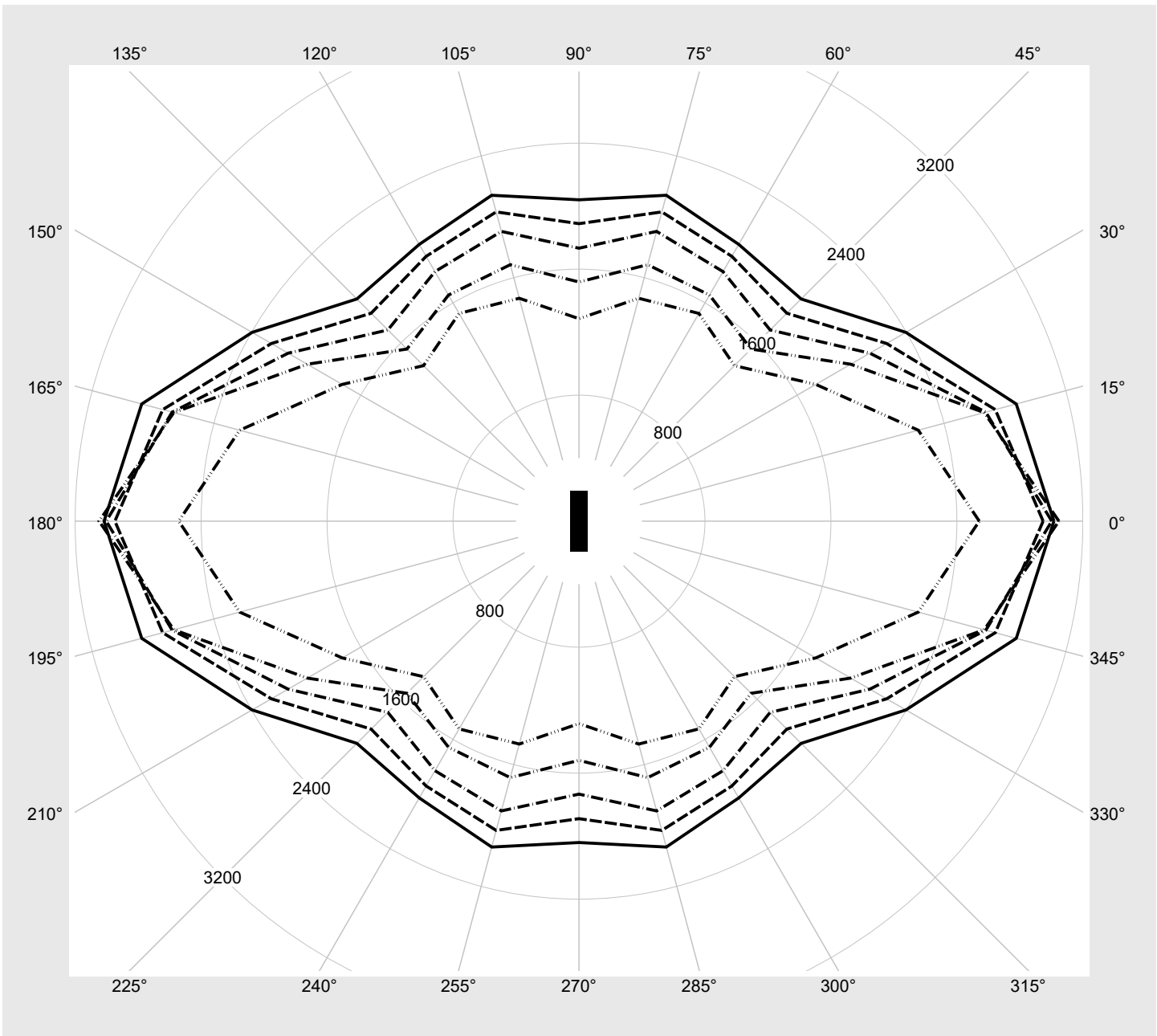
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Leuchtdichten in cd/m²

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	3545	26.3
80	201	245	3336	24.7
75	188	243	3128	23.2
70	175	240	2919	21.7
65	162	238	2711	20.2
60	149	235	2502	18.7
55	136	232	2294	17.3
50	124	227	2085	15.8
45	111	224	1877	14.4
40	98	219	1668	13.1
35	86	214	1460	11.7
30	74	209	1251	10.3
25	61	201	1043	8.9
20	48	194	834	7.5
15	36	183	626	6.1
10	24	170	417	4.6
5	12	142	209	3.4