

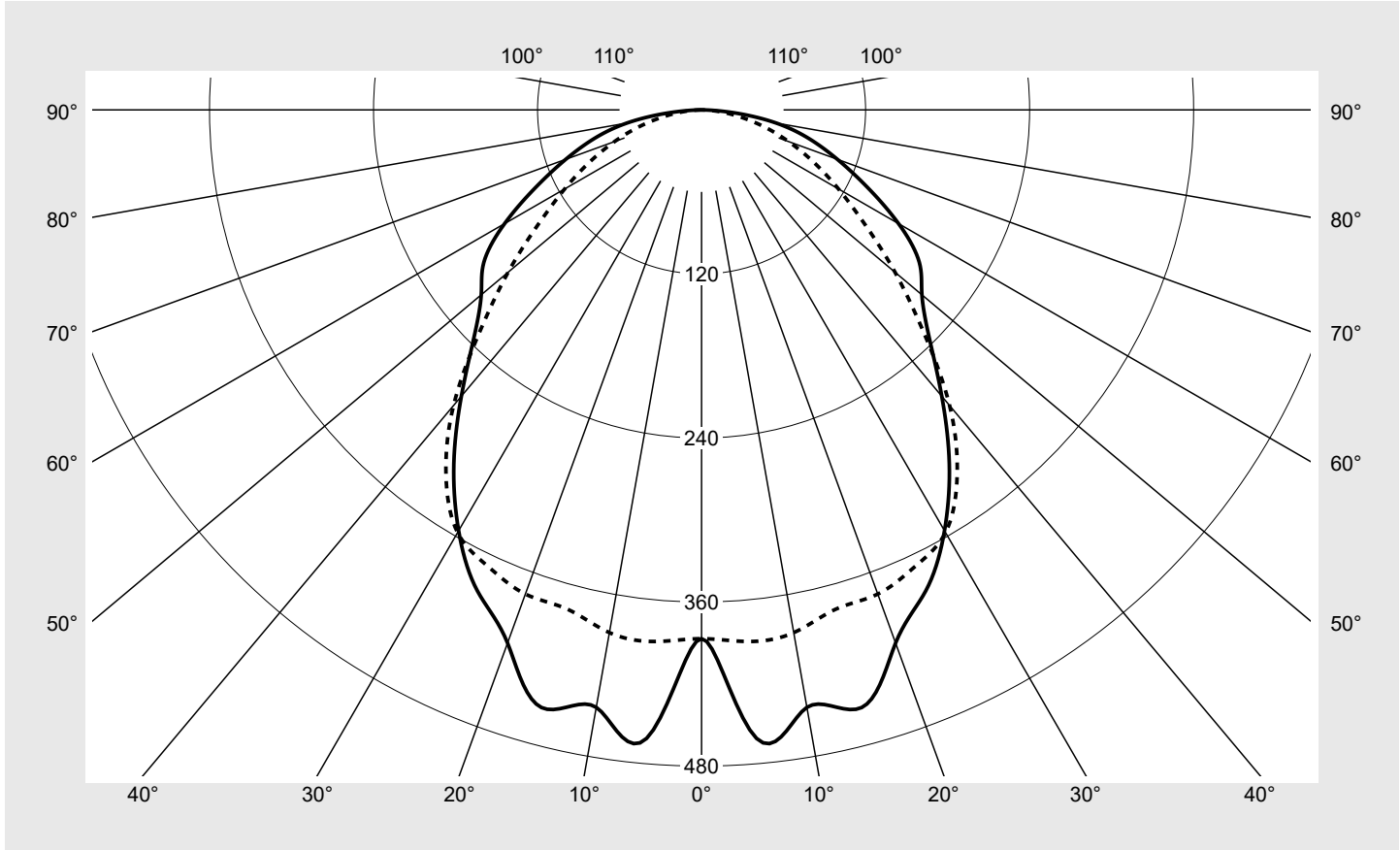


Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC + 5MN91401 EAN: 4050737963761 + 4050737754987	LP number 56404_1
	Version surface-mounted luminaire, prismatic light guide, 100% passpartout, direct distribution	serial documentation 23.10.2015
	Lamps LED 4000K / CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4170 lm Power consumption = 31.0 W Luminous efficacy = 134.5 lm/W	
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 467 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=54 N2=82 N3=96 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
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-Table	Standard room	siteco								
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (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

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1250 B = 350
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
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

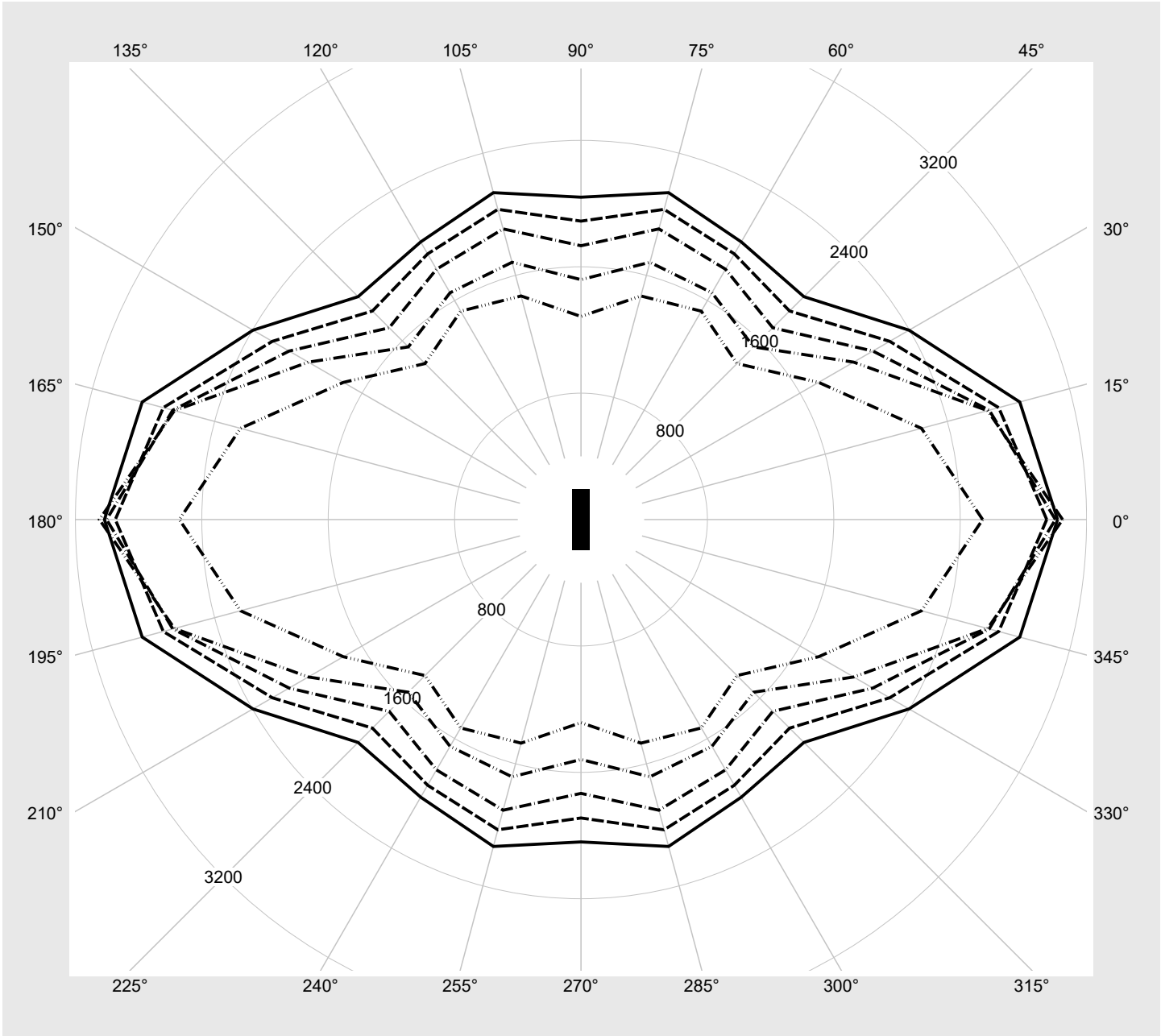
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [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