

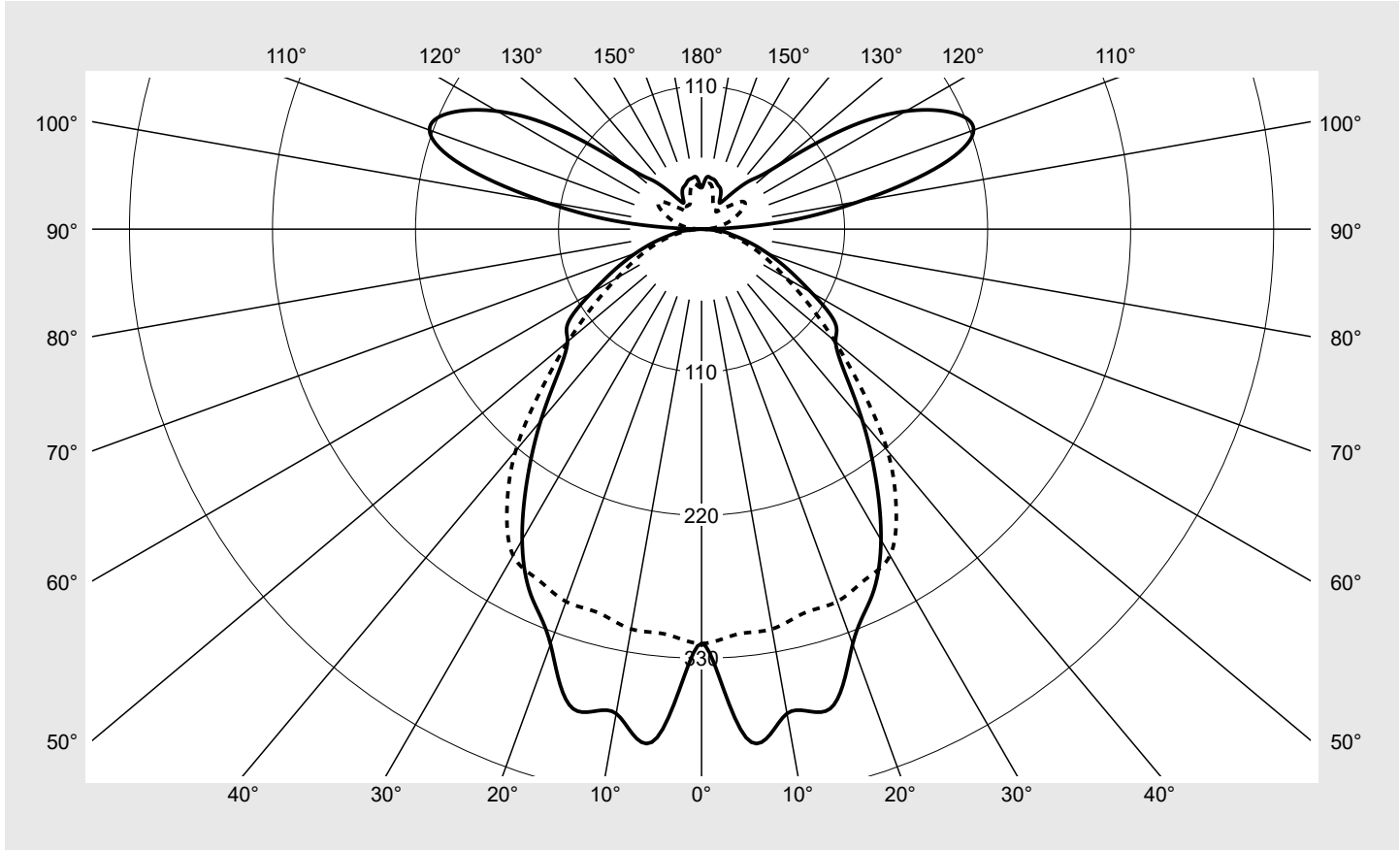


Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC + 5MN91402 EAN: 4050737963761 + 4050737755007	LP number 56403_1
	Version	suspended luminaire, prismatic light guide, direct-/ indirect distribution, 70% passpartout
	Lamps	1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 83)
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 4240 lm Power consumption = 31.0 W Luminous efficacy = 136.8 lm/W
		serial documentation 23.10.2015
		

Luminous intensity in cd/klm C180-0 C270-90 I_{max}: 401 cd/klm



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

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	71.0%
ϕ_o	29.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities Maximum luminous intensity

C-planes γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
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

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UGR-Table		Standard room									
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	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

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1250		B = 350	
C-planes	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°		
γ	Luminance in cd/m ²								
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		

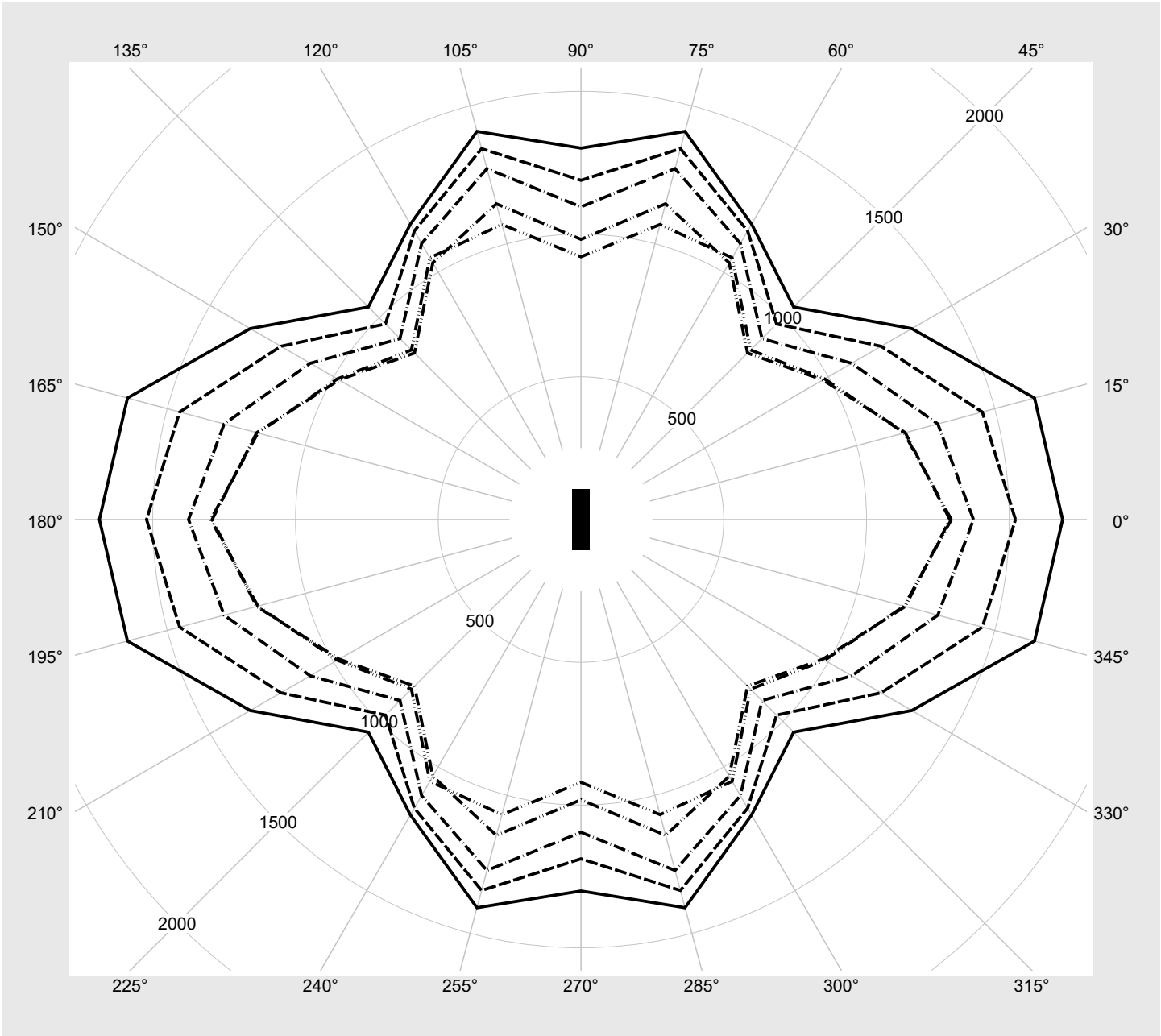
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Luminance values in cd/m²

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	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