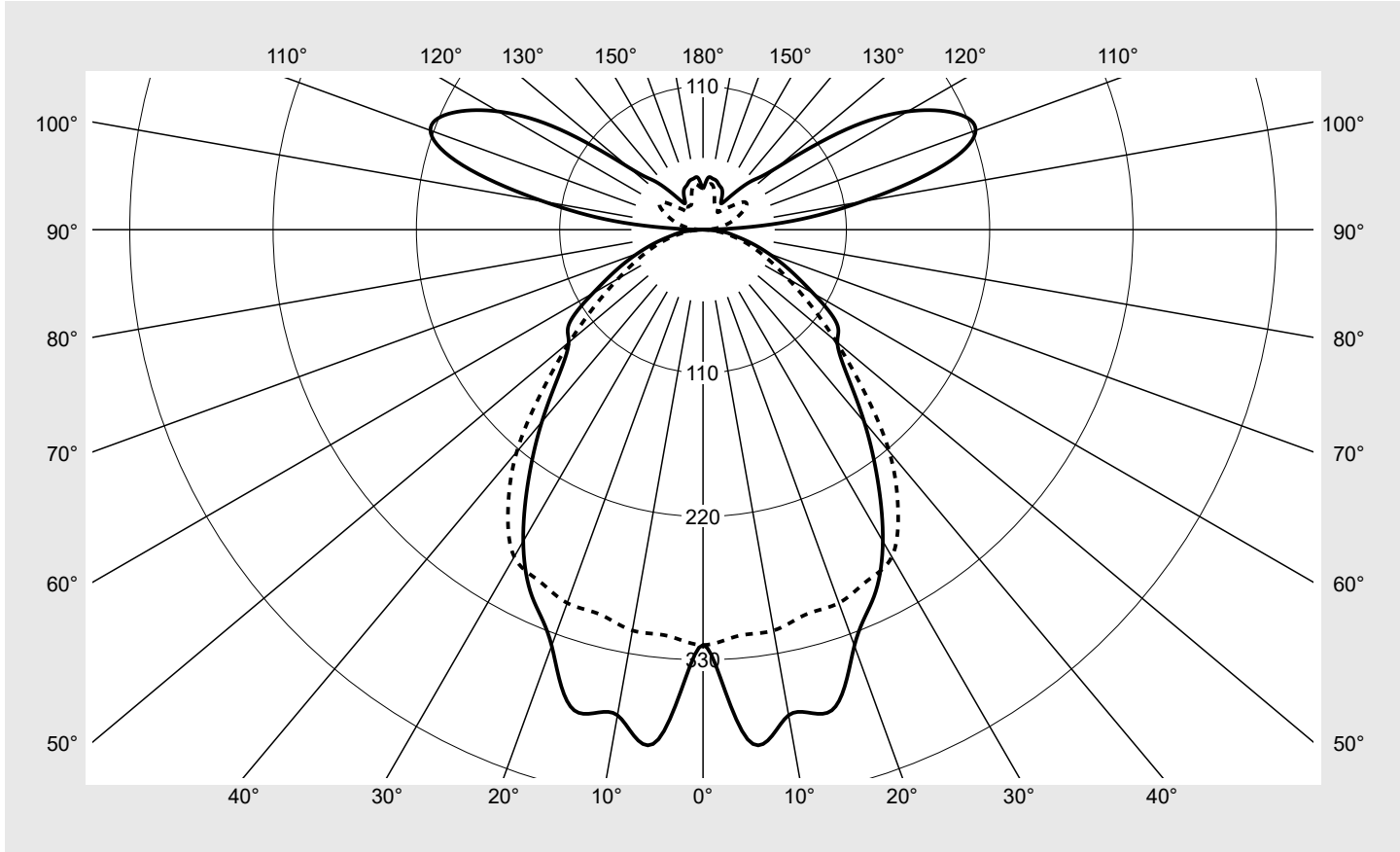


Photometric test report

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	serial documentation 23.10.2015
	Lamps LED 4000K / CRI ≥ 80	
	Controlgear ECG-DALI	
	Rated values Net luminous flux = 4240 lm Power consumption = 31.0 W Luminous efficacy = 136.8 lm/W	

siteco

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

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC + 5MN91402 EAN: 4050737963761 + 4050737755007	LP number 56403_1
Table of values for luminous intensities		Maximum luminous intensity



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°	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

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC + 5MN91402 EAN: 4050737963761 + 4050737755007	LP number 56403_1
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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	γ	Luminance 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

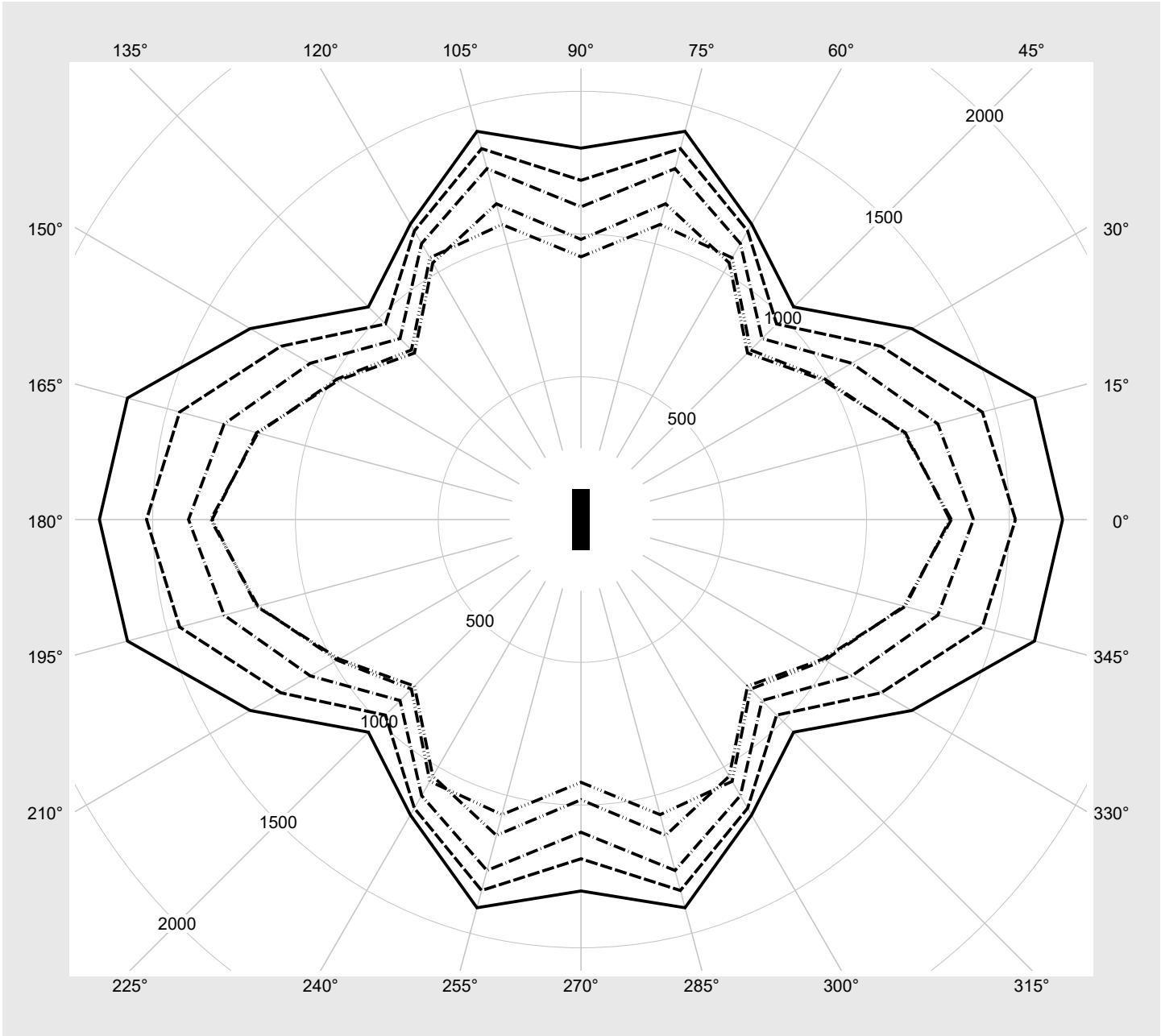
Photometric test report

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Photometric test report

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Dimming levels table	environmental temperature: 25°C	sITeco
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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	246	3392	24.7
75	188	243	3180	23.2
70	175	241	2968	21.7
65	162	238	2756	20.2
60	149	235	2544	18.7
55	136	233	2332	17.3
50	124	229	2120	15.8
45	111	226	1908	14.4
40	98	222	1696	13.1
35	86	218	1484	11.7
30	74	214	1272	10.3
25	61	208	1060	8.9
20	48	202	848	7.5
15	36	194	636	6.1
10	24	184	424	4.6
5	12	173	212	3.4