
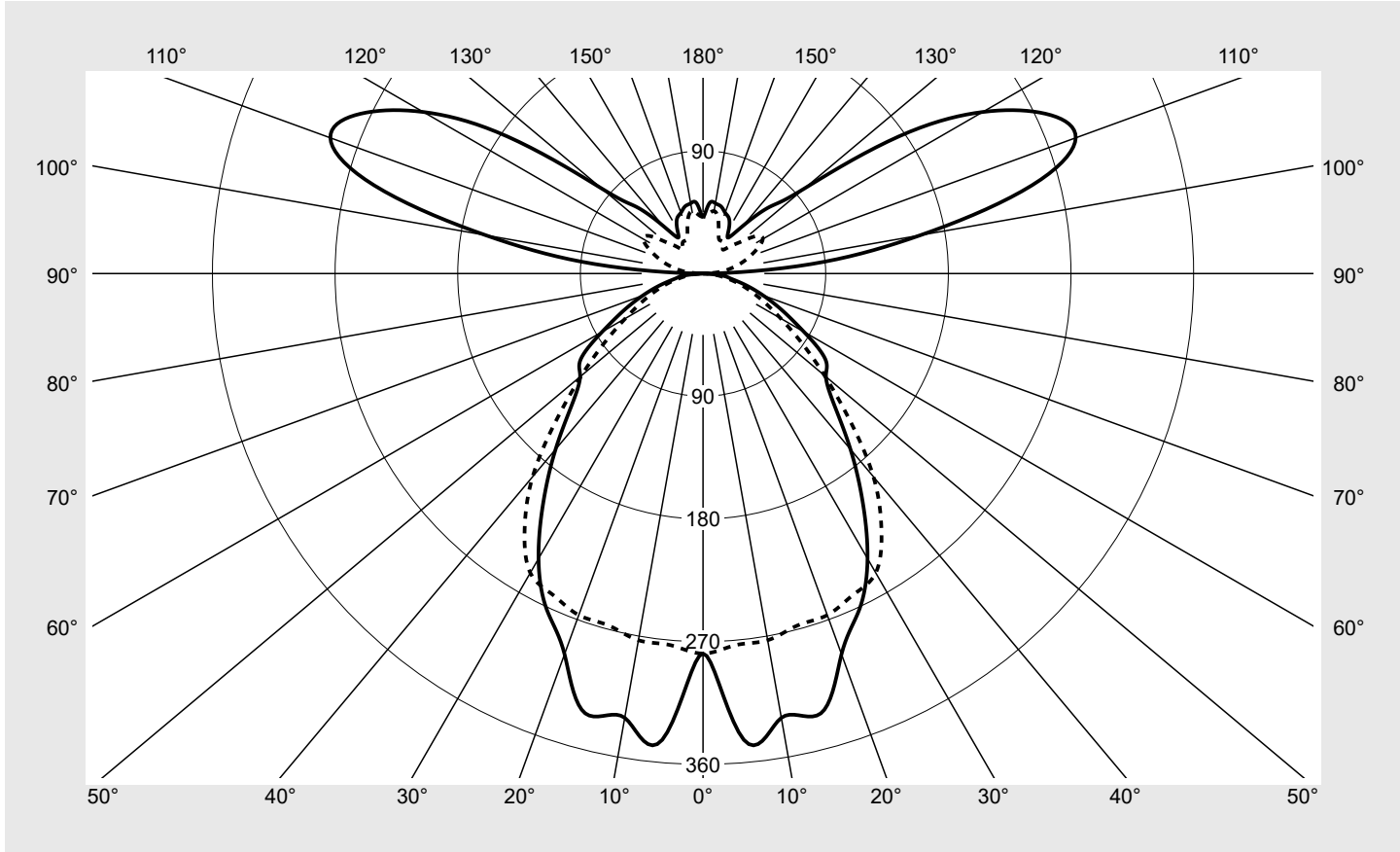


Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC0S EAN: 4050737964041	LP number 56402_9
	Version suspended luminaire, prismatic light guide, direct-/ indirect distribution, sensor Master Lamps 1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 83) Controlgear ECG-DALI Rated values Net luminous flux = 4300 lm Power consumption = 31.0 W Luminous efficacy = 138.7 lm/W	serial documentation 23.10.2015 

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 351 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=61 N2=86 N3=97 N4=62 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	62.1%
ϕ_o	37.9%

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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	1.7	1.7
5°	343.3	343.5	338.4	318.5	284.5	268.8	273.6	14.8	16.5
10°	330.9	326.3	321.9	332.6	350.5	309.7	273.1	30.8	47.3
15°	334.0	331.7	326.6	312.5	330.5	320.2	267.3	45.4	92.8
20°	297.1	294.5	293.5	294.2	296.6	322.7	266.6	55.7	148.5
25°	271.6	264.8	254.5	254.0	262.3	298.8	260.2	61.8	210.3
30°	241.4	232.0	223.8	212.7	211.5	262.1	253.5	63.5	273.7
35°	204.2	196.1	184.3	178.7	164.6	220.7	228.2	60.8	334.6
40°	168.4	160.3	151.6	142.9	129.1	174.6	194.5	55.2	389.8
45°	136.1	129.8	119.2	109.5	101.7	132.4	152.4	47.6	437.4
50°	117.7	113.1	97.7	85.9	81.5	102.2	116.5	41.8	479.2
55°	109.6	102.7	82.9	66.8	66.8	81.6	88.1	37.4	516.6
60°	85.5	82.3	66.2	51.8	55.1	66.1	65.8	31.4	548.0
65°	64.3	62.7	51.0	40.2	45.6	53.7	49.6	25.7	573.7
70°	47.0	44.9	37.5	29.9	36.0	41.5	36.7	19.9	593.6
75°	32.1	30.2	25.6	20.9	26.1	29.7	25.6	14.2	607.8
80°	20.2	18.4	15.3	12.9	16.3	17.9	15.4	8.9	616.7
85°	10.2	9.2	7.8	6.6	8.3	8.4	7.2	4.5	621.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	621.1
95°	79.6	60.8	31.9	12.7	11.1	11.3	11.0	15.8	636.9
100°	162.0	121.1	61.0	24.5	22.8	22.3	20.1	30.8	667.7
105°	249.8	181.9	95.3	36.5	33.2	33.0	28.5	45.8	713.5
110°	291.0	210.6	109.0	44.5	40.7	41.4	36.3	52.4	765.9
115°	277.3	215.3	106.2	48.7	46.5	46.4	44.5	51.7	817.6
120°	237.0	195.8	87.1	49.6	48.5	47.3	50.6	45.3	862.8
125°	175.3	123.0	63.5	50.1	49.8	48.4	48.1	33.4	896.2
130°	96.8	78.3	56.6	50.2	49.2	45.2	36.2	24.2	920.4
135°	69.2	63.0	55.0	48.9	39.6	35.3	28.5	18.8	939.2
140°	45.9	43.1	34.1	28.7	25.1	25.6	22.8	11.2	950.4
145°	32.2	33.9	31.0	29.9	23.9	26.8	26.3	9.2	959.6
150°	38.0	39.1	37.8	34.8	31.3	32.5	27.6	9.5	969.1
155°	44.9	44.5	41.0	35.8	37.8	38.5	27.8	9.0	978.1
160°	47.5	44.1	38.0	40.3	42.9	43.2	33.4	7.8	985.9
165°	51.0	49.2	47.3	47.1	47.9	47.3	42.2	6.7	992.7
170°	52.3	51.6	50.9	51.0	51.3	48.5	46.5	4.8	997.5
175°	51.5	51.4	50.5	49.0	46.3	44.4	43.7	2.3	999.8
180°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	0.2	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	11.6	12.6	12.3	13.4	14.3	10.7	11.7	11.4	12.5	13.4
	3H	12.8	13.7	13.6	14.5	15.5	11.9	12.8	12.7	13.6	14.6
	4H	13.2	14.1	14.0	14.9	15.9	12.4	13.2	13.2	14.1	15.1
	6H	13.6	14.4	14.5	15.2	16.3	12.8	13.6	13.7	14.5	15.5
	8H	13.6	14.3	14.5	15.2	16.3	12.8	13.5	13.6	14.4	15.4
	12H	13.8	14.4	14.6	15.3	16.4	12.9	13.6	13.8	14.5	15.5
4H	2H	11.7	12.5	12.5	13.3	14.4	10.8	11.6	11.6	12.4	13.5
	3H	13.1	13.8	13.9	14.7	15.7	12.2	12.9	13.1	13.8	14.9
	4H	13.6	14.3	14.5	15.1	16.2	12.9	13.5	13.7	14.4	15.5
	6H	14.2	14.7	15.1	15.6	16.7	13.5	14.0	14.4	14.9	16.0
	8H	14.3	14.7	15.2	15.7	16.8	13.6	14.1	14.5	15.0	16.1
	12H	14.5	14.9	15.4	15.8	17.0	13.7	14.2	14.6	15.1	16.2
8H	4H	13.7	14.2	14.6	15.1	16.2	12.9	13.4	13.8	14.3	15.4
	6H	14.2	14.7	15.2	15.6	16.7	13.5	13.9	14.4	14.8	16.0
	8H	14.5	14.8	15.4	15.8	17.0	13.8	14.2	14.7	15.1	16.3
	12H	14.8	15.1	15.7	16.0	17.2	14.1	14.4	15.0	15.3	16.5
12H	4H	13.7	14.1	14.6	15.0	16.2	12.9	13.3	13.8	14.2	15.4
	6H	14.3	14.6	15.2	15.6	16.7	13.6	13.9	14.5	14.9	16.1
	8H	14.6	14.9	15.5	15.8	17.0	13.9	14.2	14.9	15.1	16.3

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°		1891.6	1804.0	1656.6	1522.7	1413.4	1840.8	2118.5
50°		1800.4	1729.6	1493.1	1313.0	1245.8	1562.1	1781.3
55°		1877.5	1759.2	1421.1	1145.4	1144.9	1398.6	1509.4
60°		1680.2	1618.6	1301.3	1018.1	1083.7	1299.4	1293.0
65°		1496.4	1458.8	1186.7	934.2	1060.1	1248.8	1154.1
70°		1349.9	1290.9	1076.7	859.4	1035.5	1193.2	1054.1
75°		1219.5	1147.8	971.3	795.3	990.5	1128.9	971.7
80°		1146.1	1043.1	867.5	731.8	921.1	1015.8	870.6
85°		1150.7	1039.2	874.1	745.2	939.2	949.3	816.5

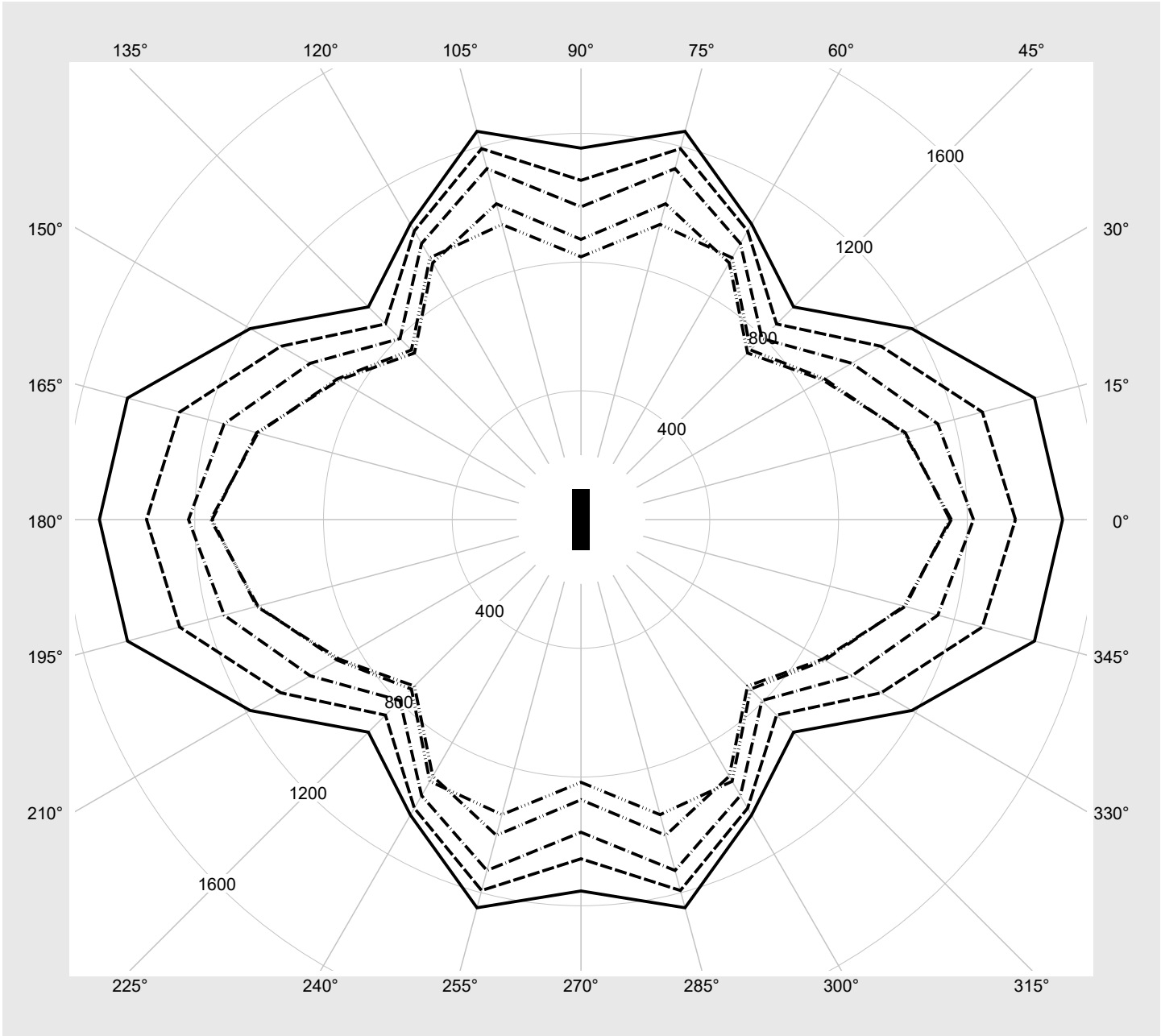
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Luminance values in cd/m²


γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	4300	31.0
95	241	252	4085	29.4
90	227	250	3870	27.8
85	214	248	3655	26.3
80	201	245	3440	24.7
75	188	243	3225	23.2
70	175	240	3010	21.7
65	162	238	2795	20.2
60	149	235	2580	18.7
55	136	232	2365	17.3
50	124	227	2150	15.8
45	111	224	1935	14.4
40	98	219	1720	13.1
35	86	214	1505	11.7
30	74	209	1290	10.3
25	61	201	1075	8.9
20	48	194	860	7.5
15	36	183	645	6.1
10	24	170	430	4.6
5	12	142	215	3.4