




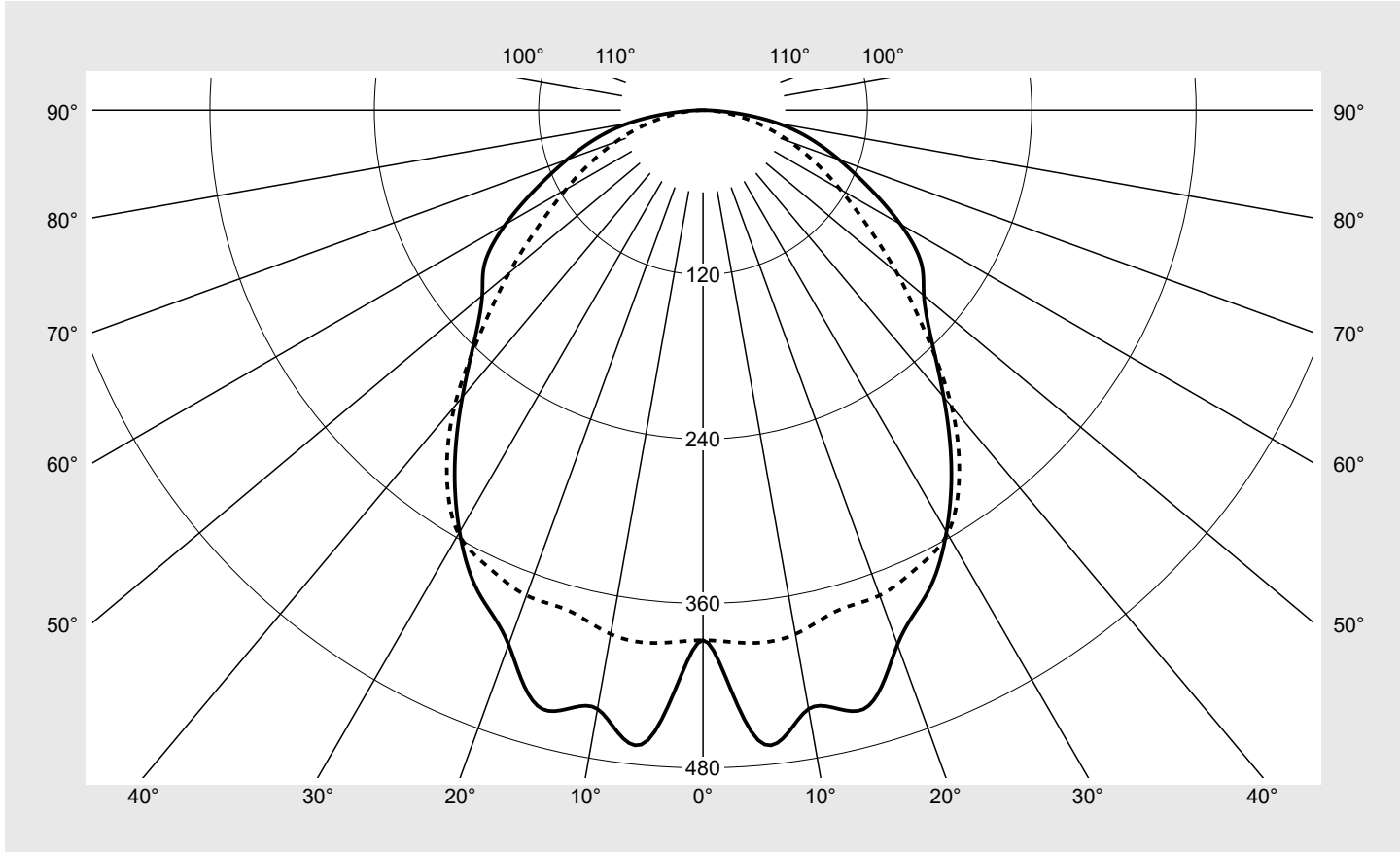
Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE003 + 5MN91401 EAN: 4050737963846 + 4050737754987	LP number 56404_16
	Version surface-mounted luminaire, prismatic light guide, 100% passpartout, direct distribution Lamps 1 x LED 3000K / CRI ≥ 80 (unbekannt LED 3000K / CRI = 80) Controlgear ECG-DALI Rated values Net luminous flux = 7100 lm Power consumption = 62.0 W Luminous efficacy = 114.5 lm/W	serial documentation 23.10.2015



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



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									
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	18.0	19.6	18.3	19.9	20.2	16.5	18.2	16.9	18.5	18.8
	3H	19.8	21.2	20.2	21.6	21.9	18.0	19.5	18.4	19.8	20.1
	4H	20.6	22.0	21.0	22.3	22.7	18.6	20.0	19.0	20.3	20.7
	6H	21.4	22.6	21.8	23.0	23.4	19.0	20.3	19.4	20.6	21.0
	8H	21.7	22.9	22.1	23.2	23.7	19.2	20.3	19.6	20.7	21.1
	12H	21.9	23.0	22.3	23.4	23.8	19.3	20.4	19.7	20.8	21.2
4H	2H	18.4	19.7	18.8	20.1	20.5	17.2	18.6	17.6	18.9	19.3
	3H	20.4	21.5	20.8	21.9	22.3	18.9	20.0	19.3	20.4	20.8
	4H	21.3	22.4	21.8	22.8	23.2	19.6	20.6	20.0	21.0	21.5
	6H	22.3	23.2	22.7	23.6	24.0	20.1	21.0	20.6	21.5	21.9
	8H	22.6	23.4	23.1	23.9	24.4	20.3	21.2	20.8	21.6	22.1
	12H	22.9	23.6	23.4	24.1	24.6	20.5	21.2	21.0	21.7	22.2
8H	4H	21.5	22.3	22.0	22.8	23.2	19.9	20.7	20.4	21.2	21.7
	6H	22.5	23.2	23.0	23.7	24.2	20.6	21.3	21.1	21.7	22.2
	8H	23.0	23.6	23.5	24.0	24.6	20.9	21.5	21.4	21.9	22.5
	12H	23.3	23.8	23.8	24.3	24.8	21.1	21.6	21.6	22.1	22.6
12H	4H	21.5	22.3	22.0	22.7	23.2	20.0	20.7	20.5	21.2	21.7
	6H	22.6	23.2	23.1	23.6	24.2	20.7	21.3	21.2	21.8	22.3
	8H	23.0	23.5	23.5	24.0	24.6	21.0	21.5	21.5	22.0	22.5

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°		5405.4	5189.2	4841.2	4509.0	4173.4	4771.8	5268.9
50°		5313.1	5127.9	4576.1	4155.6	3885.3	4297.0	4664.9
55°		5502.6	5220.8	4472.2	3842.7	3700.7	3970.2	4124.5
60°		5401.8	5097.5	4281.1	3611.1	3558.0	3786.3	3754.0
65°		5135.7	4895.2	4081.8	3397.0	3454.9	3647.3	3474.1
70°		5018.7	4660.2	3841.3	3178.8	3305.8	3461.0	3216.2
75°		5112.5	4554.3	3632.0	2923.1	3115.1	3242.8	2951.0
80°		5189.9	4536.1	3392.9	2631.5	2822.3	2870.4	2585.7
85°		4328.6	3798.5	2956.9	2377.4	2593.2	2494.5	2188.8

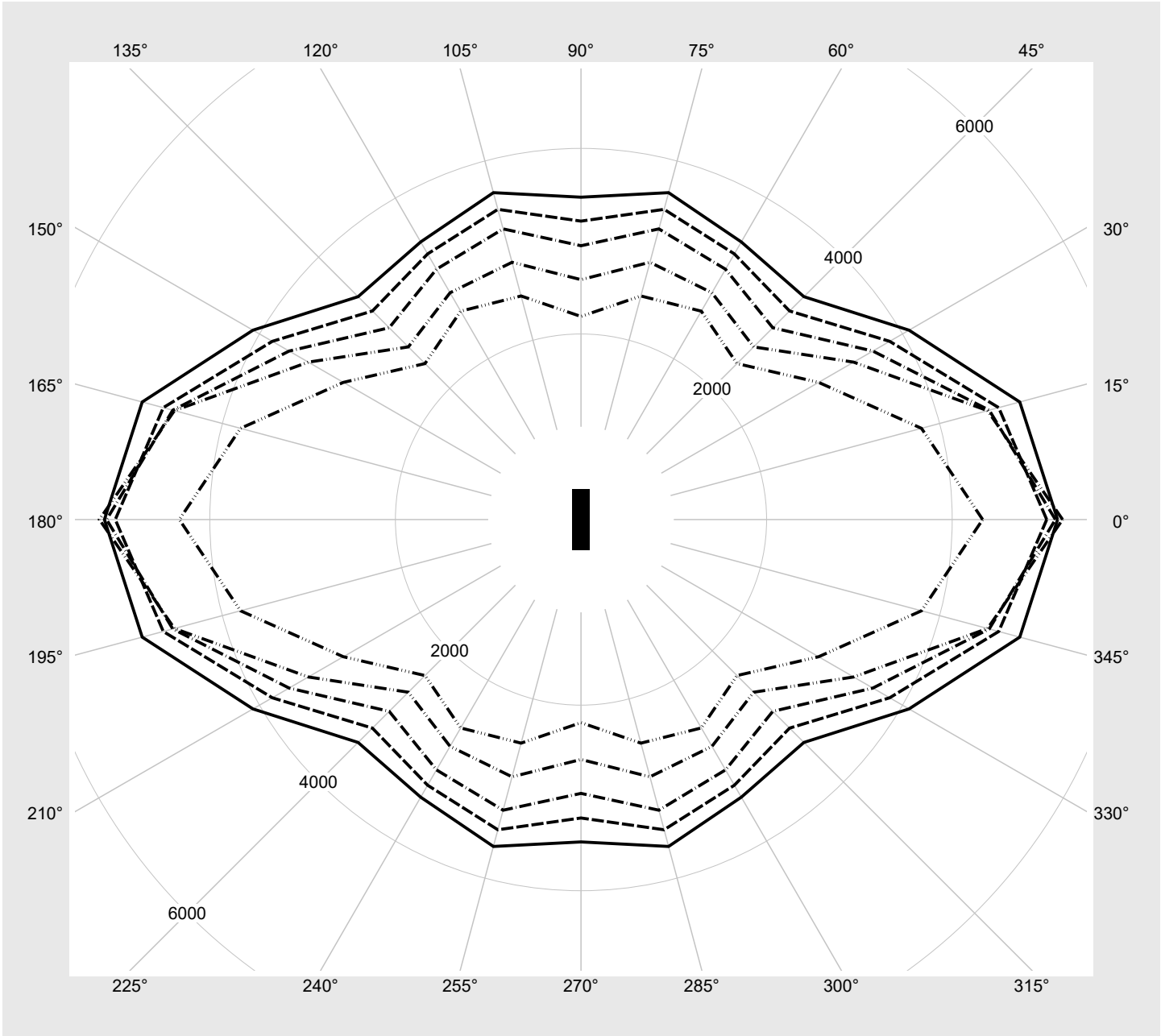
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7100	62.0
95	240	252	6745	58.6
90	225	250	6390	54.9
85	211	247	6035	51.5
80	198	245	5680	48.2
75	184	242	5325	45.0
70	171	240	4970	41.8
65	158	237	4615	38.5
60	144	234	4260	35.2
55	132	230	3905	32.5
50	119	227	3550	29.2
45	107	223	3195	26.5
40	94	218	2840	23.6
35	82	213	2485	20.8
30	70	207	2130	17.9
25	58	200	1775	15.3
20	46	192	1420	12.5
15	34	181	1065	9.8
10	23	166	710	7.2
5	12	141	355	4.6