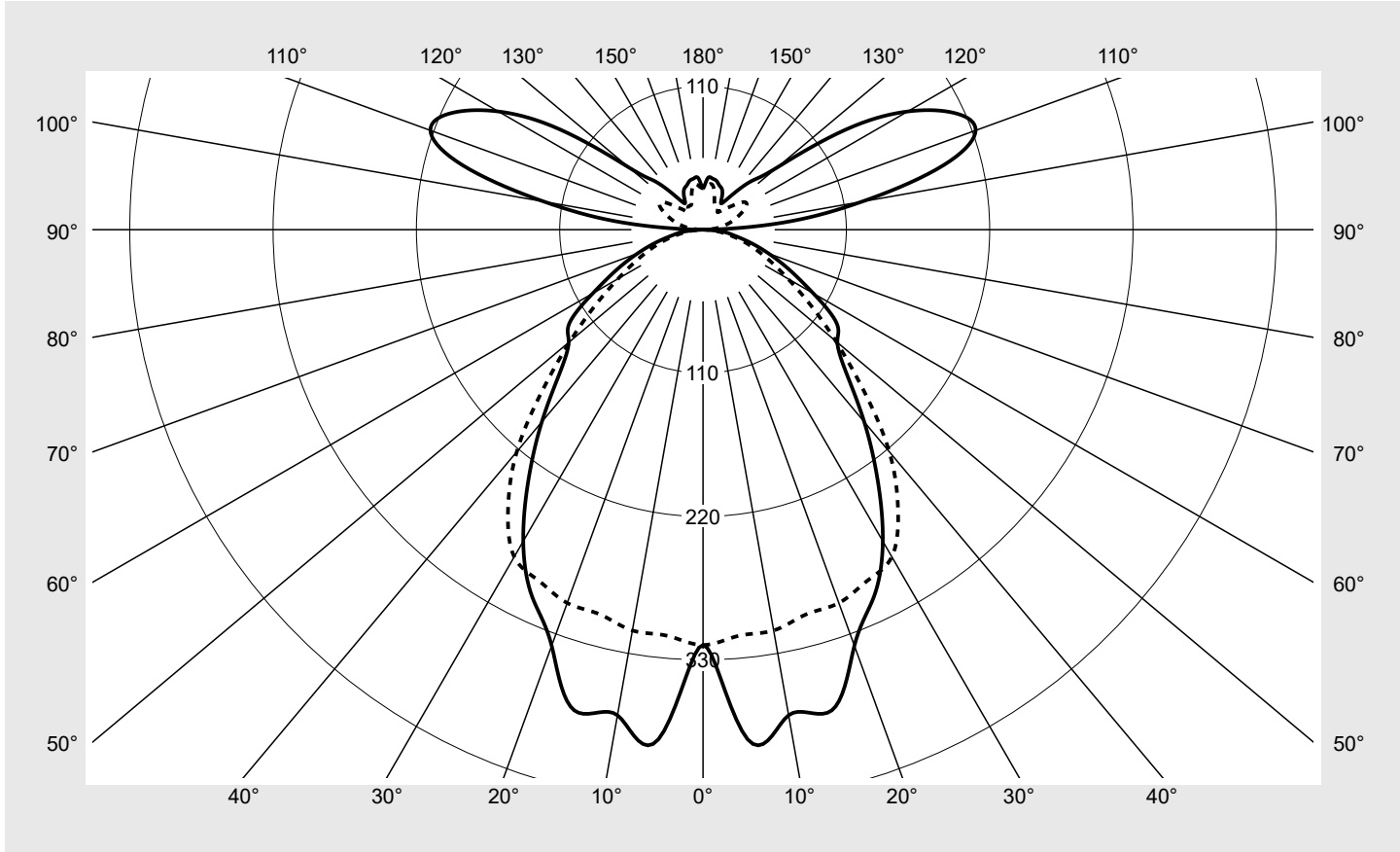


Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE0S3 + 5MN91402 EAN: 4050737964263 + 4050737755007	LP number 56403_24
	Version suspended luminaire, prismatic light guide, direct-/ indirect distribution, 70% passpartout, sensor Master	serial documentation 23.10.2015
	Lamps LED 3000K / CRI ≥ 80	Controlgear ECG-DALI
Rated values Net luminous flux = 7210 lm Power consumption = 62.0 W Luminous efficacy = 116.3 lm/W		



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: 5MN238DLE0S3 + 5MN91402 EAN: 4050737964263 + 4050737755007	LP number 56403_24
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: 5MN238DLE0S3 + 5MN91402 EAN: 4050737964263 + 4050737755007	LP number 56403_24
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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	14.4	15.6	15.1	16.2	17.0	13.5	14.6	14.1	15.3	16.1
	3H	15.6	16.7	16.4	17.4	18.2	14.7	15.8	15.4	16.5	17.3
	4H	16.1	17.0	16.8	17.8	18.7	15.2	16.2	16.0	16.9	17.8
	6H	16.5	17.4	17.3	18.1	19.0	15.7	16.6	16.4	17.3	18.2
	8H	16.6	17.4	17.4	18.1	19.1	15.7	16.5	16.5	17.2	18.2
	12H	16.7	17.4	17.5	18.2	19.2	15.8	16.6	16.6	17.3	18.3
4H	2H	14.5	15.5	15.3	16.2	17.1	13.7	14.6	14.4	15.3	16.2
	3H	16.0	16.8	16.8	17.5	18.5	15.1	15.9	15.9	16.7	17.6
	4H	16.6	17.3	17.3	18.0	19.0	15.8	16.5	16.6	17.3	18.2
	6H	17.1	17.7	17.9	18.5	19.5	16.4	17.0	17.2	17.8	18.8
	8H	17.2	17.8	18.0	18.6	19.6	16.5	17.1	17.3	17.9	18.9
	12H	17.4	17.9	18.3	18.7	19.8	16.7	17.2	17.5	18.0	19.0
8H	4H	16.6	17.2	17.4	18.0	19.0	15.8	16.4	16.7	17.2	18.2
	6H	17.2	17.7	18.0	18.5	19.5	16.5	16.9	17.3	17.8	18.8
	8H	17.4	17.8	18.3	18.7	19.8	16.8	17.2	17.6	18.0	19.1
	12H	17.8	18.1	18.6	18.9	20.0	17.1	17.4	17.9	18.3	19.3
12H	4H	16.7	17.1	17.5	17.9	19.0	15.9	16.3	16.7	17.2	18.2
	6H	17.3	17.6	18.1	18.5	19.5	16.6	16.9	17.4	17.8	18.8
	8H	17.5	17.9	18.4	18.7	19.8	16.9	17.2	17.8	18.1	19.1

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°		3626.0	3458.0	3175.4	2918.8	2709.2	3528.5	4060.8
50°		3451.1	3315.4	2862.1	2516.9	2388.1	2994.2	3414.5
55°		3598.9	3372.2	2724.0	2195.6	2194.7	2681.0	2893.4
60°		3220.7	3102.7	2494.3	1951.5	2077.3	2490.8	2478.4
65°		2868.3	2796.3	2274.7	1790.8	2032.1	2393.7	2212.2
70°		2587.6	2474.6	2064.0	1647.3	1985.0	2287.2	2020.6
75°		2337.6	2200.2	1861.8	1524.5	1898.6	2163.9	1862.5
80°		2196.9	1999.5	1662.8	1402.7	1765.5	1947.2	1668.9
85°		2205.7	1992.0	1675.5	1428.4	1800.3	1819.6	1565.1

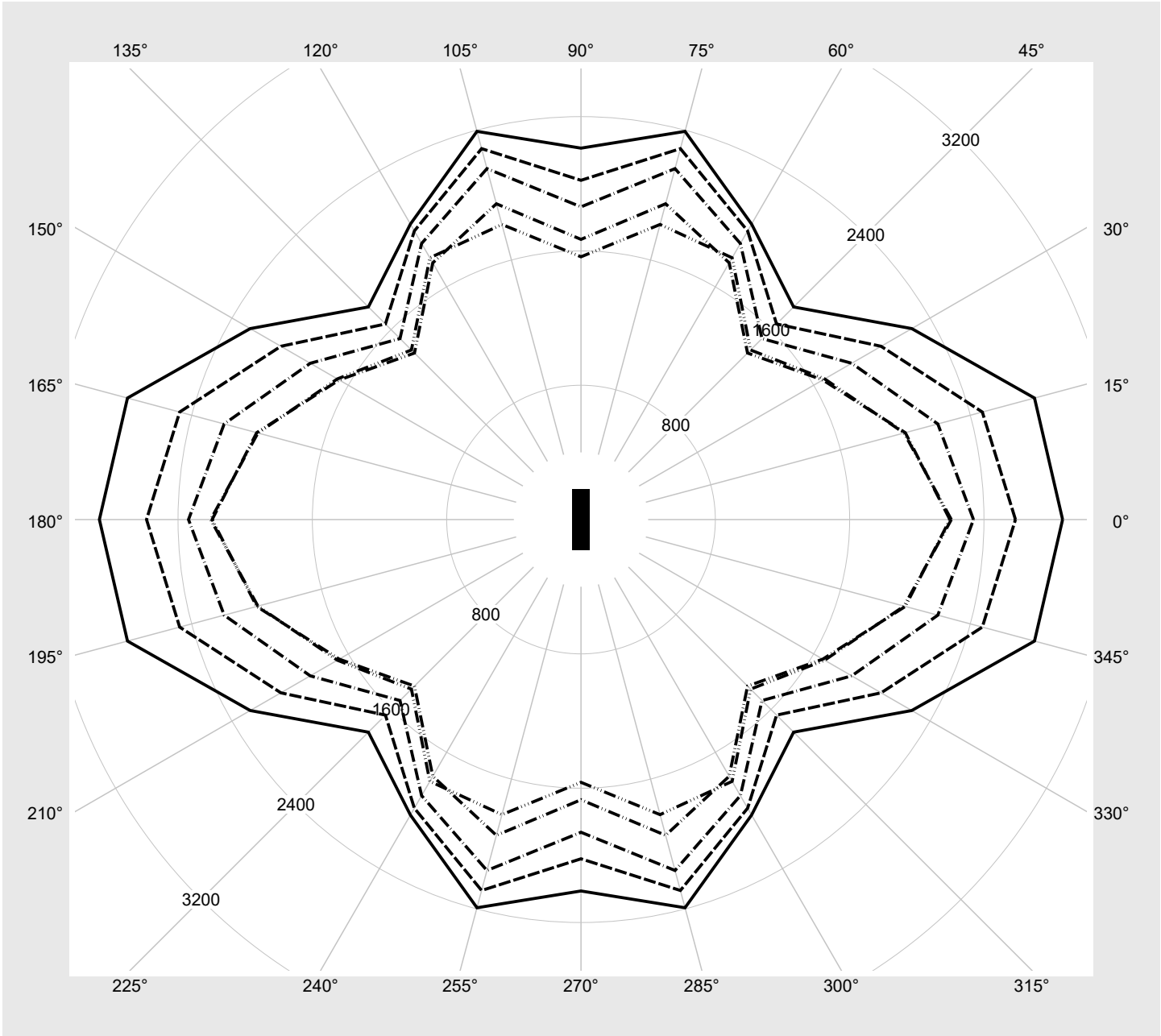
Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE0S3 + 5MN91402 EAN: 4050737964263 + 4050737755007	LP number 56403_24
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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	7210	62.0
95	240	252	6850	58.6
90	225	250	6489	54.9
85	211	247	6128	51.5
80	198	245	5768	48.2
75	184	242	5408	45.0
70	171	240	5047	41.8
65	158	237	4686	38.5
60	144	233	4326	35.2
55	132	230	3966	32.5
50	119	226	3605	29.2
45	107	223	3244	26.5
40	94	219	2884	23.6
35	82	214	2524	20.8
30	70	208	2163	17.9
25	58	203	1802	15.3
20	46	195	1442	12.5
15	34	186	1082	9.8
10	23	175	721	7.2
5	12	159	360	4.6