

## Photometric test report

**Family**  
Linear Office VEGA®

**Order number: 5MN238DLE0S + 5MN91402**  
**EAN: 4050737963747 + 4050737755007**

**LP number**  
**56403\_10**



**Version** suspended luminaire, prismatic light guide, direct-/ indirect distribution, 70% passpartout, sensor Master

**Lamps** 1 x LED 4000K / CRI ≥ 80  
(unbekannt LED 4000K / CRI = 83)

**Controlgear** ECG-DALI

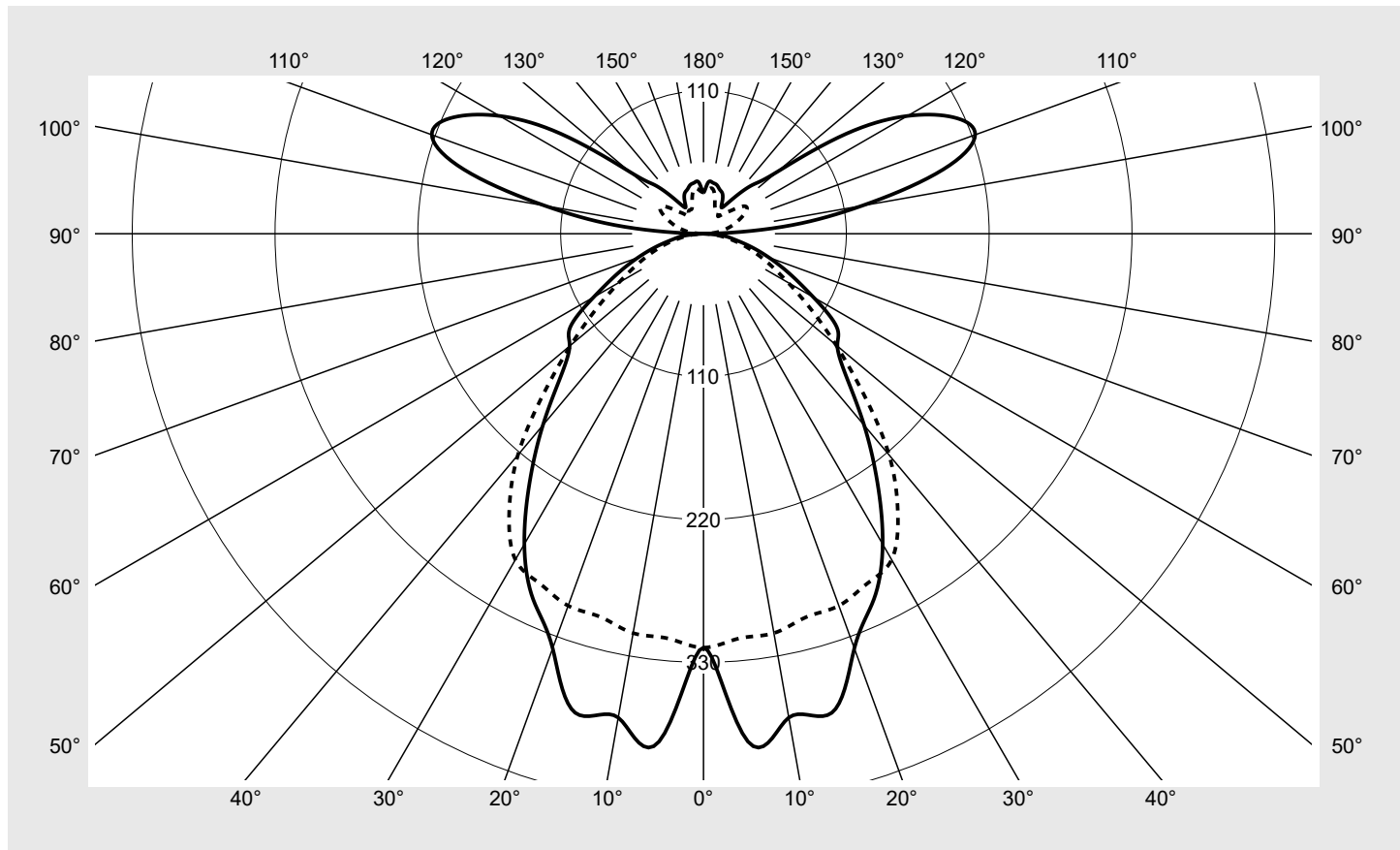
**Rated values** Net luminous flux = 8030 lm  
Power consumption = 62.0 W  
Luminous efficacy = 129.5 lm/W

**serial**  
**documentation**  
**23.10.2015**

**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

$\eta_{LB}$  100.0%  
 $\phi_u$  71.0%  
 $\phi_o$  29.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



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

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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	14.8	15.9	15.4	16.6	17.4	13.9	15.0	14.5	15.7	16.5
	3H	16.0	17.0	16.7	17.8	18.6	15.1	16.1	15.8	16.9	17.7
	4H	16.5	17.4	17.2	18.2	19.1	15.6	16.6	16.3	17.3	18.2
	6H	16.9	17.8	17.7	18.5	19.4	16.1	16.9	16.8	17.7	18.5
	8H	17.0	17.7	17.7	18.5	19.5	16.1	16.9	16.8	17.6	18.5
	12H	17.1	17.8	17.9	18.6	19.6	16.2	16.9	17.0	17.7	18.6
4H	2H	14.9	15.9	15.6	16.6	17.5	14.0	15.0	14.8	15.7	16.6
	3H	16.4	17.2	17.1	17.9	18.8	15.5	16.3	16.3	17.1	18.0
	4H	16.9	17.6	17.7	18.4	19.4	16.2	16.9	17.0	17.7	18.6
	6H	17.5	18.1	18.3	18.9	19.9	16.8	17.4	17.6	18.2	19.2
	8H	17.6	18.1	18.4	19.0	20.0	16.9	17.4	17.7	18.2	19.2
	12H	17.8	18.3	18.7	19.1	20.1	17.1	17.5	17.9	18.4	19.4
8H	4H	17.0	17.5	17.8	18.3	19.3	16.2	16.8	17.0	17.6	18.6
	6H	17.6	18.0	18.4	18.9	19.9	16.8	17.3	17.7	18.1	19.2
	8H	17.8	18.2	18.7	19.1	20.1	17.2	17.6	18.0	18.4	19.5
	12H	18.1	18.5	19.0	19.3	20.4	17.5	17.8	18.3	18.6	19.7
12H	4H	17.0	17.5	17.9	18.3	19.3	16.3	16.7	17.1	17.5	18.6
	6H	17.6	18.0	18.5	18.9	19.9	16.9	17.3	17.8	18.2	19.2
	8H	17.9	18.2	18.8	19.1	20.2	17.3	17.6	18.1	18.4	19.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1250 B = 350		
C-planes	$\gamma$	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	90°
		345°	195°	210°	225°	240°	255°	270°
		345°	330°	315°	300°	285°	270°	255°
		Luminance in cd/m <sup>2</sup>						
45°		4038.4	3851.3	3536.6	3250.7	3017.4	3929.8	4522.6
50°		3843.6	3692.5	3187.6	2803.1	2659.7	3334.8	3802.9
55°		4008.2	3755.7	3033.8	2445.3	2444.3	2985.9	3222.4
60°		3587.0	3455.5	2778.0	2173.5	2313.6	2774.1	2760.3
65°		3194.5	3114.4	2533.4	1994.5	2263.2	2665.9	2463.8
70°		2881.9	2756.0	2298.7	1834.6	2210.7	2547.3	2250.4
75°		2603.5	2450.4	2073.6	1697.9	2114.6	2410.0	2074.3
80°		2446.8	2227.0	1851.9	1562.2	1966.3	2168.6	1858.7
85°		2456.6	2218.6	1866.1	1590.8	2005.0	2026.5	1743.1

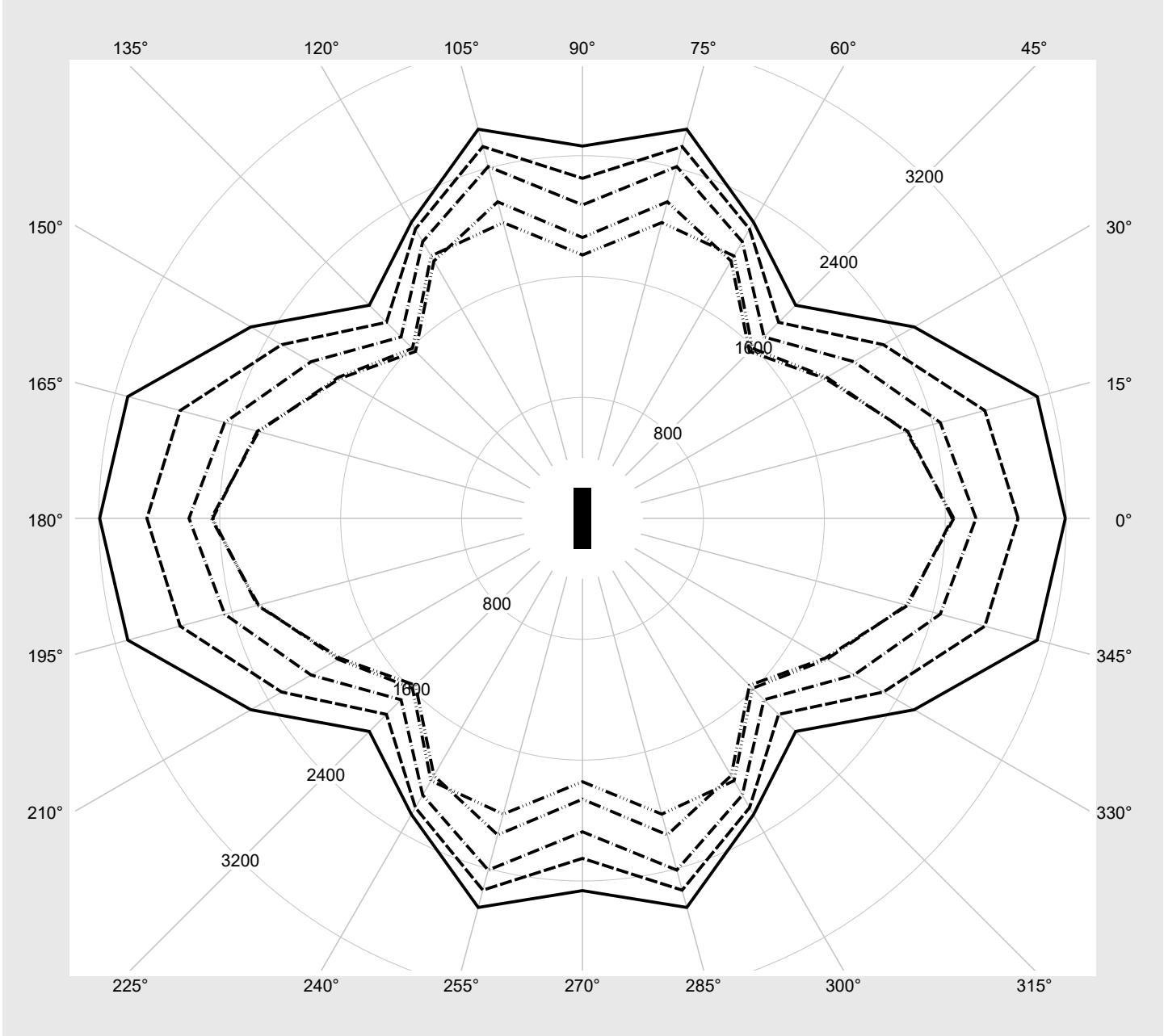
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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<b>Dimming levels table</b>	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	8030	62.0
95	240	252	7629	58.4
90	228	250	7227	55.2
85	215	248	6826	52.0
80	201	246	6424	48.7
75	188	243	6023	45.4
70	175	240	5621	42.0
65	162	238	5220	39.1
60	149	235	4818	36.1
55	137	232	4417	33.3
50	124	228	4015	30.4
45	111	224	3614	27.3
40	99	220	3212	24.2
35	86	215	2811	21.5
30	73	209	2409	18.5
25	61	202	2008	15.9
20	48	194	1606	13.2
15	36	183	1205	10.3
10	24	168	803	7.7
5	12	143	402	5.0