

## Photometric test report

Family  
Linear Office VEGA®

Order number: 5MN238DLC003  
EAN: 4050737964164

LP number  
56402\_15



**Version** suspended luminaire, prismatic light guide,  
direct-/ indirect distribution

**Lamps** 1 x LED 3000K / CRI ≥ 80  
(unbekannt LED 3000K / CRI = 80)

**Controlgear** ECG-DALI

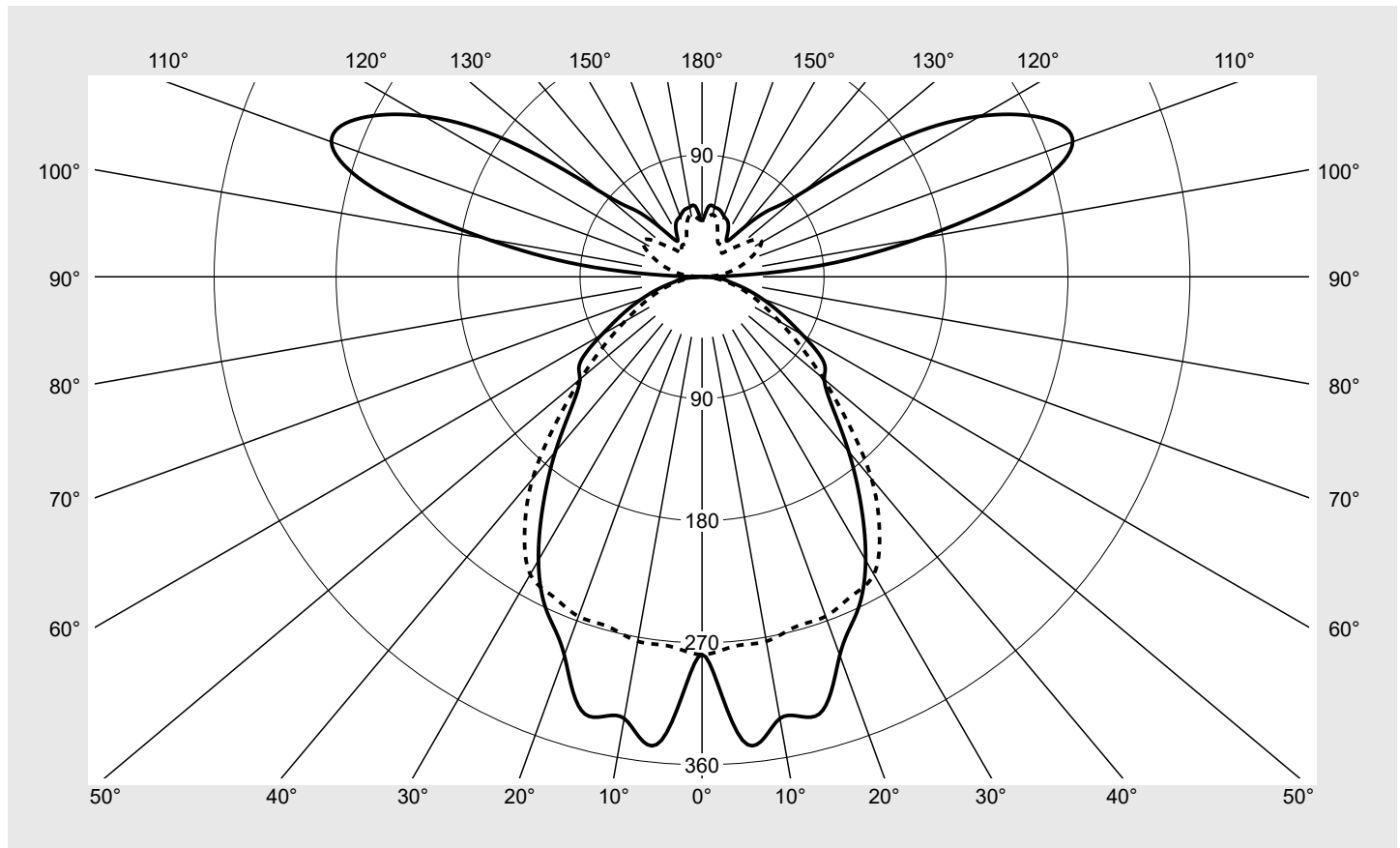
**Rated values** Net luminous flux = 4300 lm  
Power consumption = 35.0 W  
Luminous efficacy = 122.9 lm/W

serial  
documentation  
23.10.2015

siteco

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

$\eta_{LB}$  100.0%  
 $\phi_u$  62.1%  
 $\phi_o$  37.9%

### Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

C-planes $\gamma$	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									
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		
C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		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°		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

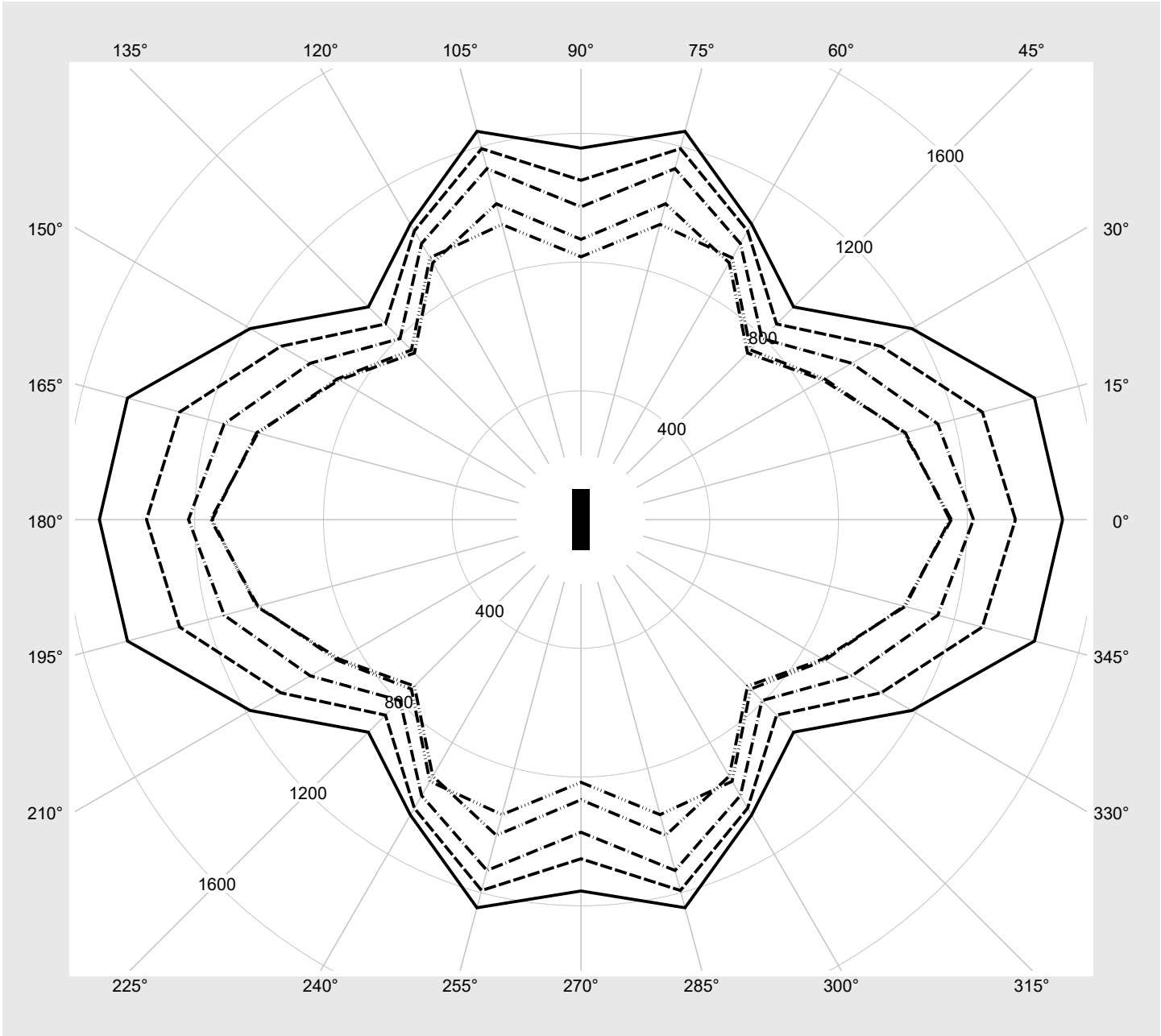
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**Luminance values in cd/m<sup>2</sup>**

γ 65°   
  γ 70°   
  γ 75°   
  γ 80°   
  γ 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	4300	35.0
95	241	252	4085	33.3
90	227	250	3870	31.4
85	214	248	3655	29.6
80	200	245	3440	27.8
75	187	243	3225	26.1
70	174	240	3010	24.4
65	161	238	2795	22.6
60	148	234	2580	21.0
55	135	231	2365	19.3
50	122	227	2150	17.7
45	110	223	1935	16.1
40	97	219	1720	14.5
35	85	214	1505	12.9
30	72	208	1290	11.2
25	60	201	1075	9.6
20	48	194	860	8.1
15	36	183	645	6.5
10	24	168	430	5.1
5	12	144	215	3.2