

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLE003
EAN: 4050737963846

LP number
56402_16



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

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

Controlgear ECG-DALI

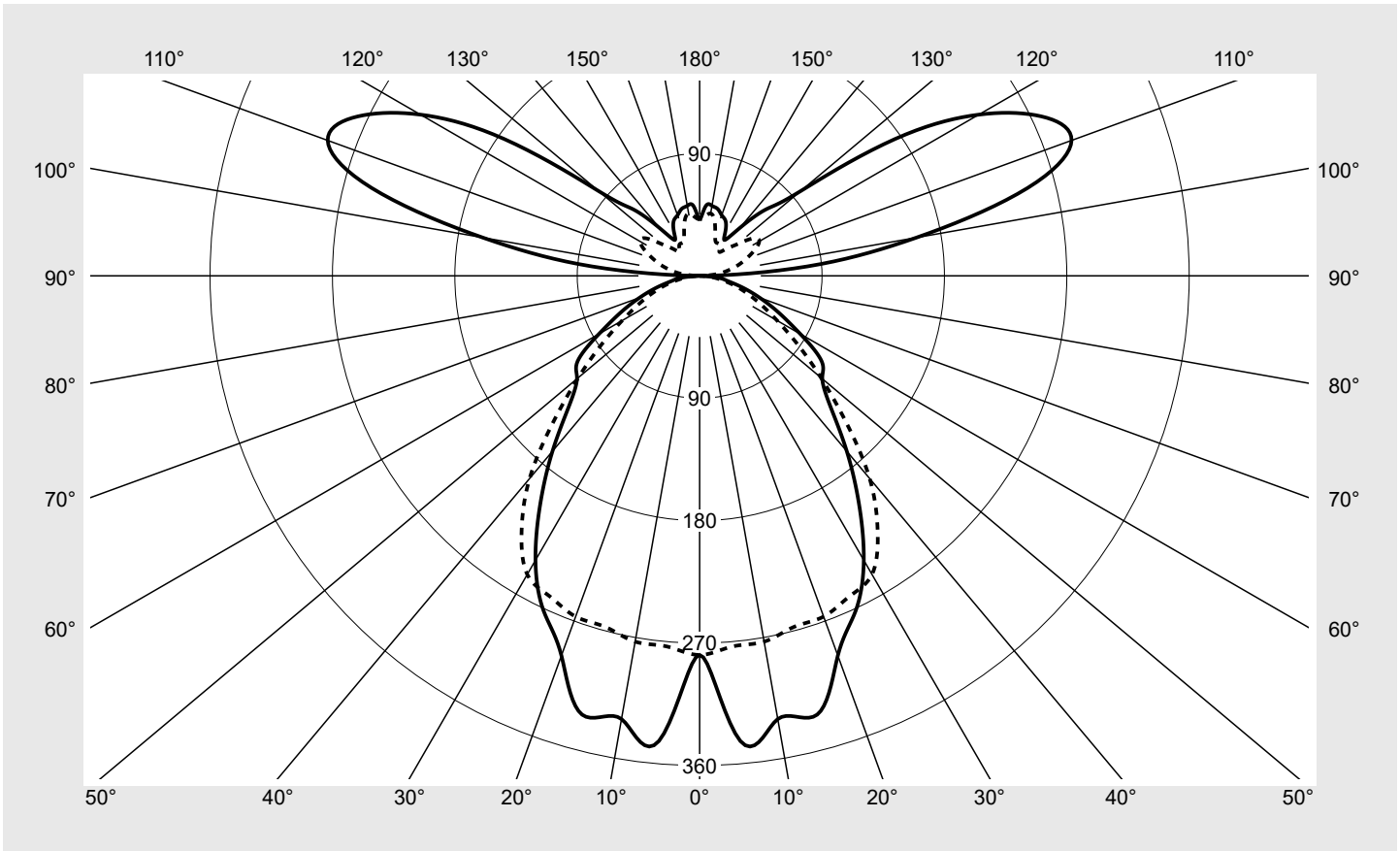
Rated values Net luminous flux = 7300 lm
Power consumption = 62.0 W
Luminous efficacy = 117.7 lm/W

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

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	13.4	14.5	14.2	15.2	16.2	12.5	13.5	13.2	14.3	15.3
	3H	14.6	15.5	15.4	16.4	17.4	13.7	14.7	14.5	15.5	16.5
	4H	15.1	15.9	15.9	16.7	17.8	14.2	15.1	15.0	15.9	16.9
	6H	15.5	16.2	16.3	17.1	18.1	14.7	15.5	15.5	16.3	17.3
	8H	15.5	16.2	16.4	17.1	18.1	14.6	15.3	15.5	16.2	17.2
	12H	15.6	16.3	16.5	17.1	18.2	14.8	15.5	15.6	16.3	17.4
4H	2H	13.5	14.4	14.3	15.2	16.2	12.6	13.4	13.4	14.3	15.3
	3H	14.9	15.6	15.8	16.5	17.6	14.1	14.8	14.9	15.6	16.7
	4H	15.5	16.1	16.3	17.0	18.1	14.7	15.3	15.6	16.2	17.3
	6H	16.0	16.6	16.9	17.5	18.6	15.3	15.9	16.2	16.8	17.9
	8H	16.1	16.6	17.0	17.5	18.6	15.4	15.9	16.3	16.8	17.9
	12H	16.3	16.7	17.2	17.6	18.8	15.6	16.0	16.5	16.9	18.1
8H	4H	15.5	16.0	16.4	16.9	18.0	14.7	15.2	15.6	16.1	17.3
	6H	16.1	16.5	17.0	17.4	18.6	15.3	15.7	16.2	16.6	17.8
	8H	16.3	16.7	17.2	17.6	18.8	15.6	16.0	16.6	16.9	18.1
	12H	16.6	16.9	17.6	17.9	19.0	15.9	16.2	16.9	17.2	18.4
12H	4H	15.5	16.0	16.5	16.9	18.0	14.7	15.2	15.7	16.1	17.2
	6H	16.1	16.5	17.1	17.4	18.6	15.4	15.8	16.4	16.7	17.9
	8H	16.4	16.7	17.4	17.6	18.8	15.7	16.0	16.7	17.0	18.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1250 B = 350
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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°		3211.4	3062.6	2812.3	2585.0	2399.5	3125.0	3596.5	
50°		3056.5	2936.3	2534.8	2229.1	2115.0	2651.9	3024.1	
55°		3187.4	2986.6	2412.5	1944.6	1943.8	2374.4	2562.5	
60°		2852.4	2747.9	2209.1	1728.4	1839.8	2206.0	2195.0	
65°		2540.3	2476.6	2014.6	1586.0	1799.7	2120.0	1959.3	
70°		2291.7	2191.6	1828.0	1458.9	1758.0	2025.6	1789.6	
75°		2070.3	1948.6	1648.9	1350.2	1681.5	1916.5	1649.6	
80°		1945.7	1770.9	1472.7	1242.3	1563.7	1724.5	1478.0	
85°		1953.5	1764.2	1483.9	1265.1	1594.4	1611.6	1386.1	

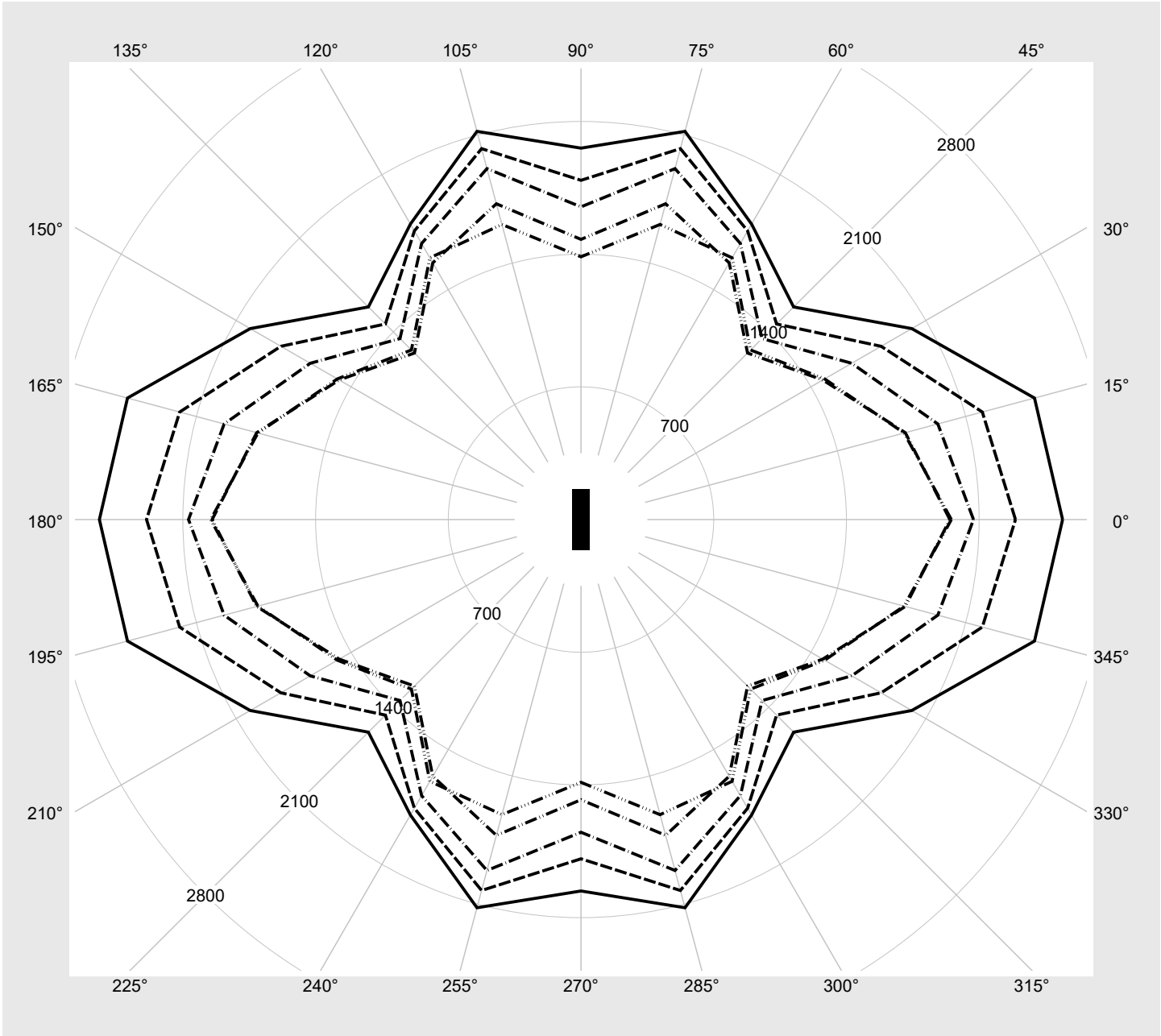
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Luminance values in cd/m²

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	7300	62.0
95	240	252	6935	58.6
90	225	250	6570	54.9
85	211	247	6205	51.5
80	198	245	5840	48.2
75	184	242	5475	45.0
70	171	240	5110	41.8
65	158	237	4745	38.5
60	144	234	4380	35.2
55	132	230	4015	32.5
50	119	227	3650	29.2
45	107	223	3285	26.5
40	94	218	2920	23.6
35	82	213	2555	20.8
30	70	207	2190	17.9
25	58	200	1825	15.3
20	46	192	1460	12.5
15	34	181	1095	9.8
10	23	166	730	7.2
5	12	141	365	4.6