

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLC + 5MN91401
EAN: 4050737963761 + 4050737754987

LP number
56404_1



Version surface-mounted luminaire, prismatic light guide, 100% passpartout, direct distribution

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

Controlgear ECG-DALI

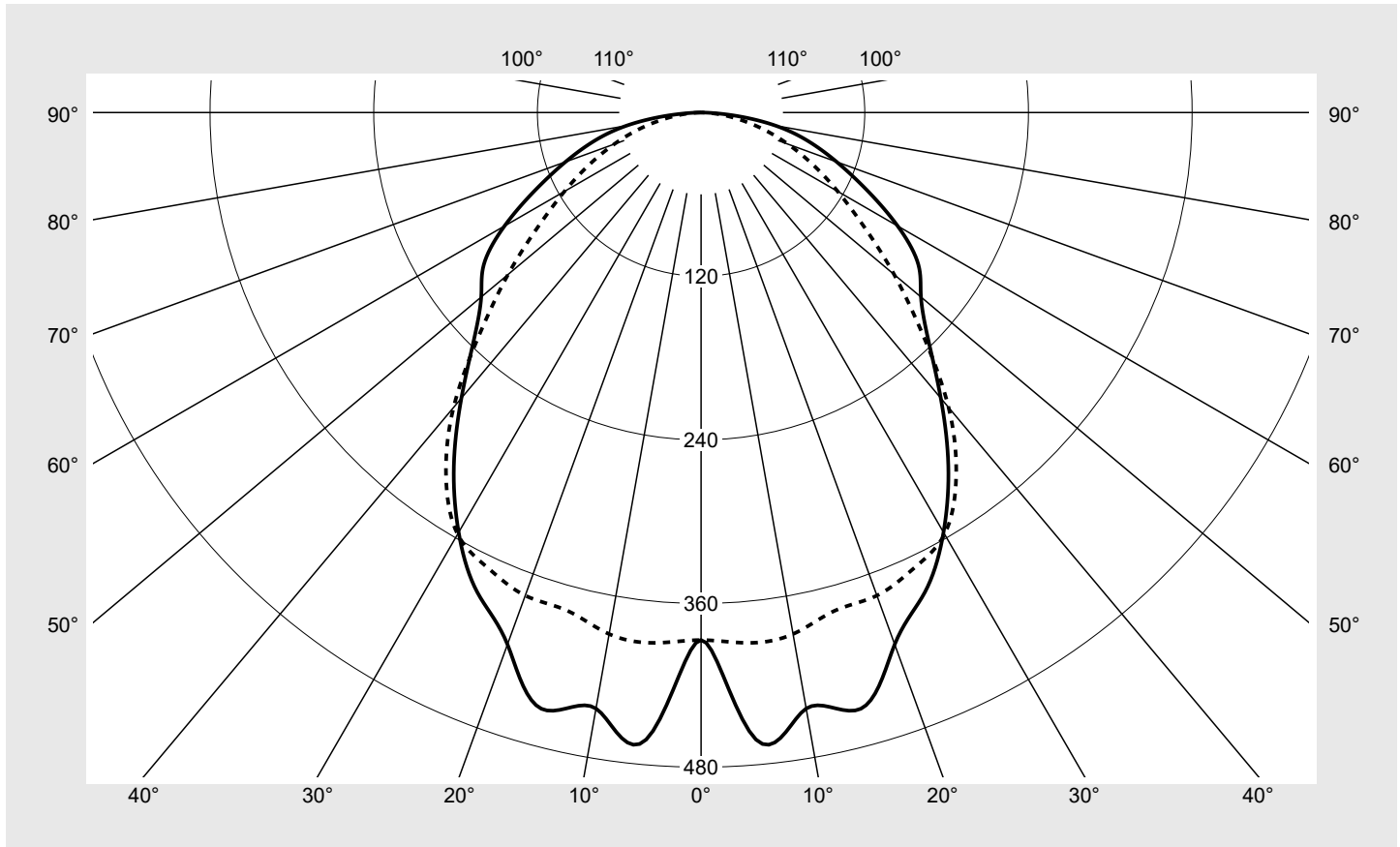
Rated values Net luminous flux = 4170 lm
Power consumption = 31.0 W
Luminous efficacy = 134.5 lm/W

serial
documentation
23.10.2015

sitEco

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	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		
γ										
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	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	16.1	17.8	16.5	18.1	18.4	14.7	16.3	15.1	16.6	16.9
	3H	17.9	19.4	18.3	19.7	20.1	16.1	17.6	16.5	17.9	18.3
	4H	18.8	20.1	19.2	20.5	20.9	16.7	18.1	17.1	18.5	18.8
	6H	19.6	20.8	20.0	21.2	21.5	17.2	18.4	17.6	18.8	19.2
	8H	19.9	21.0	20.3	21.4	21.8	17.3	18.5	17.8	18.9	19.3
	12H	20.1	21.1	20.5	21.5	21.9	17.4	18.5	17.8	18.9	19.3
4H	2H	16.5	17.9	16.9	18.3	18.6	15.4	16.7	15.8	17.1	17.5
	3H	18.5	19.7	18.9	20.1	20.5	17.0	18.2	17.4	18.5	19.0
	4H	19.5	20.5	19.9	20.9	21.4	17.7	18.8	18.2	19.2	19.6
	6H	20.4	21.3	20.9	21.7	22.2	18.3	19.2	18.8	19.6	20.1
	8H	20.8	21.6	21.2	22.0	22.5	18.5	19.3	18.9	19.8	20.2
	12H	21.1	21.8	21.5	22.2	22.7	18.6	19.4	19.1	19.8	20.3
8H	4H	19.6	20.5	20.1	20.9	21.4	18.1	18.9	18.5	19.3	19.8
	6H	20.7	21.4	21.1	21.8	22.3	18.7	19.4	19.2	19.9	20.4
	8H	21.1	21.7	21.6	22.2	22.7	19.0	19.6	19.5	20.1	20.6
	12H	21.5	22.0	22.0	22.5	23.0	19.2	19.7	19.7	20.2	20.8
12H	4H	19.7	20.4	20.2	20.9	21.4	18.2	18.9	18.6	19.3	19.8
	6H	20.7	21.3	21.2	21.8	22.3	18.9	19.4	19.4	19.9	20.4
	8H	21.2	21.7	21.7	22.2	22.7	19.2	19.7	19.7	20.2	20.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1250 B = 350
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		3174.7	3047.8	2843.3	2648.3	2451.2	2802.6	3094.5
50°		3120.5	3011.7	2687.6	2440.7	2282.0	2523.7	2739.8
55°		3231.8	3066.3	2626.7	2256.9	2173.5	2331.8	2422.4
60°		3172.6	2993.9	2514.4	2120.9	2089.7	2223.8	2204.8
65°		3016.3	2875.1	2397.3	1995.2	2029.1	2142.2	2040.4
70°		2947.6	2737.0	2256.1	1867.0	1941.6	2032.8	1889.0
75°		3002.7	2674.9	2133.1	1716.8	1829.6	1904.6	1733.2
80°		3048.2	2664.2	1992.8	1545.5	1657.6	1685.9	1518.6
85°		2542.3	2231.0	1736.7	1396.3	1523.1	1465.1	1285.5

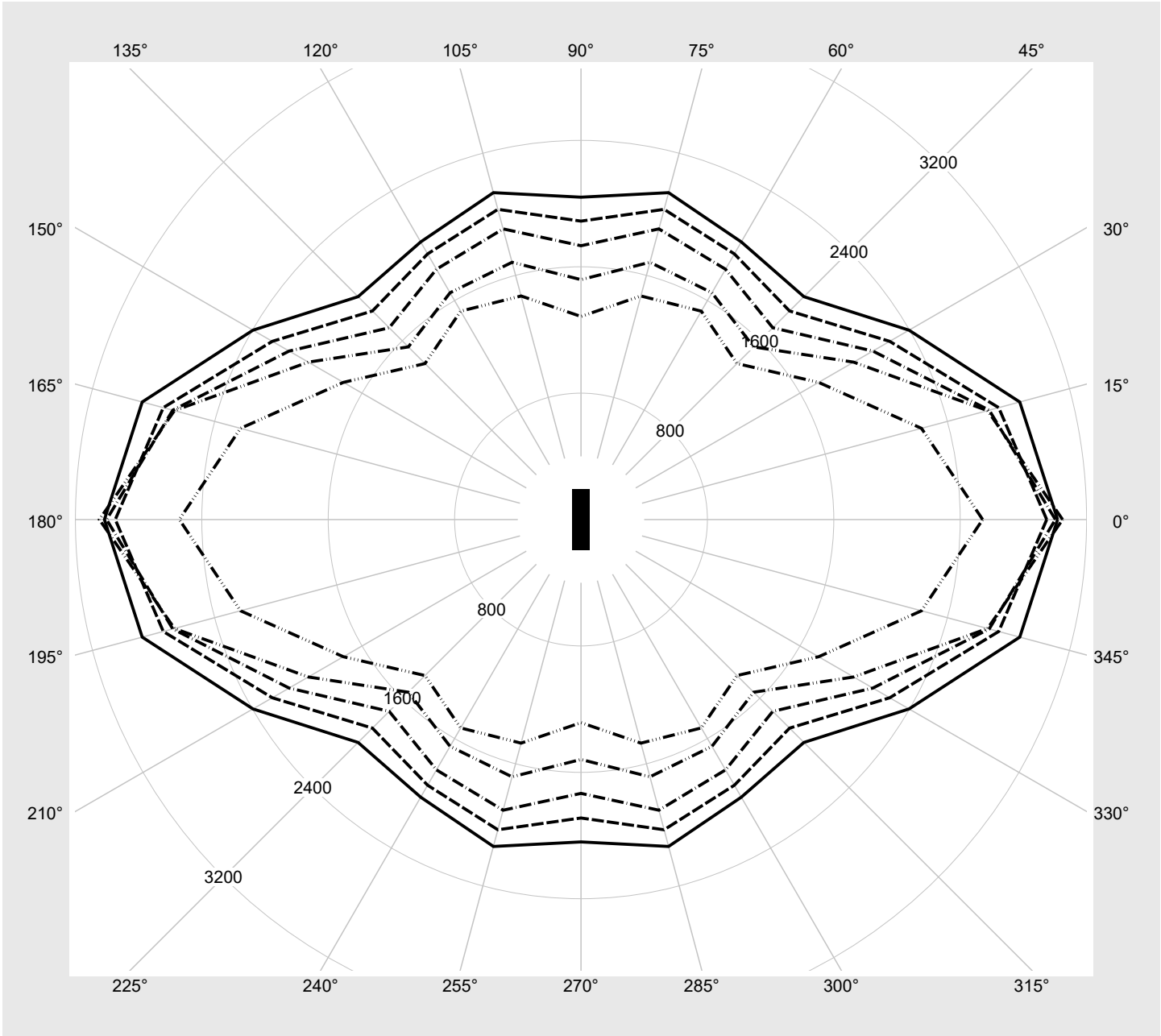
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Luminance values in cd/m²

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	4170	31.0
95	241	252	3962	29.4
90	227	250	3753	27.8
85	214	248	3545	26.3
80	201	245	3336	24.7
75	188	243	3128	23.2
70	175	240	2919	21.7
65	162	238	2711	20.2
60	149	235	2502	18.7
55	136	232	2294	17.3
50	124	227	2085	15.8
45	111	224	1877	14.4
40	98	219	1668	13.1
35	86	214	1460	11.7
30	74	209	1251	10.3
25	61	201	1043	8.9
20	48	194	834	7.5
15	36	183	626	6.1
10	24	170	417	4.6
5	12	142	209	3.4