

Photometric test report

Family
Linear Office VEGA®



Order number: 5MN238DLC003 + 5MN91401
EAN: 4050737964164 + 4050737754987

LP number
56404_15

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

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

Controlgear ECG-DALI

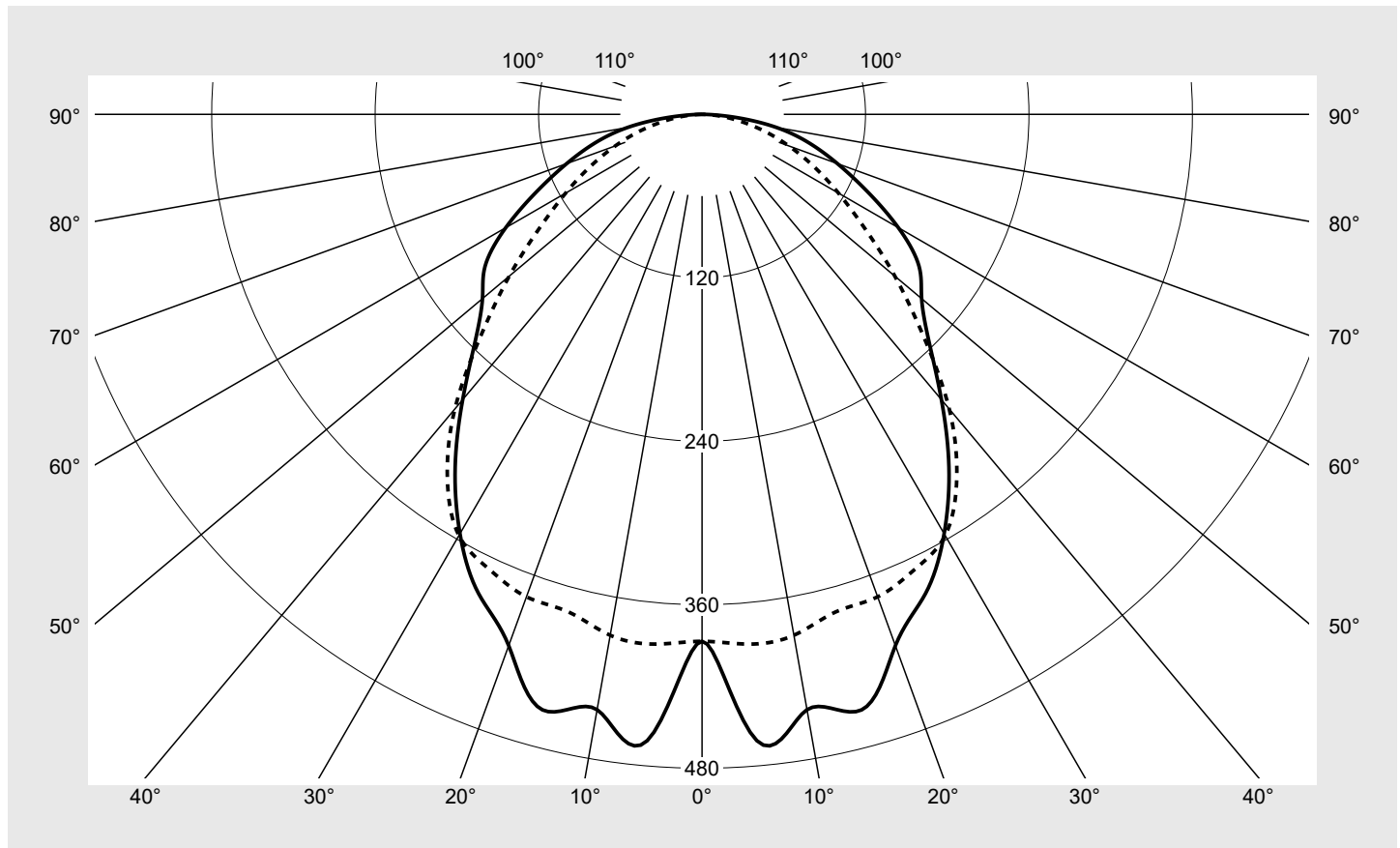
Rated values Net luminous flux = 4180 lm
Power consumption = 35.0 W
Luminous efficacy = 119.4 lm/W

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 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°	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									
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	17.0
	3H	17.9	19.4	18.3	19.7	20.1	16.1	17.6	16.5	17.9	18.3
	4H	18.8	20.2	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	21.6	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	17.9	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	19.0	20.1	20.5	17.0	18.2	17.4	18.6	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	21.8	22.2	18.3	19.2	18.8	19.6	20.1
	8H	20.8	21.6	21.3	22.0	22.5	18.5	19.3	19.0	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	19.7	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	18.8	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	19.8	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	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m ²						
45°	3182.3	3055.1	2850.2	2654.6	2457.0	2809.3	3102.0
50°	3128.0	3019.0	2694.1	2446.5	2287.4	2529.8	2746.4
55°	3239.6	3073.6	2633.0	2262.3	2178.7	2337.4	2428.2
60°	3180.2	3001.1	2520.4	2126.0	2094.7	2229.1	2210.1
65°	3023.6	2882.0	2403.1	1999.9	2034.0	2147.3	2045.3
70°	2954.7	2743.6	2261.5	1871.5	1946.2	2037.6	1893.5
75°	3009.9	2681.3	2138.3	1720.9	1834.0	1909.2	1737.4
80°	3055.5	2670.6	1997.5	1549.2	1661.6	1689.9	1522.3
85°	2548.4	2236.3	1740.8	1399.7	1526.7	1468.6	1288.6

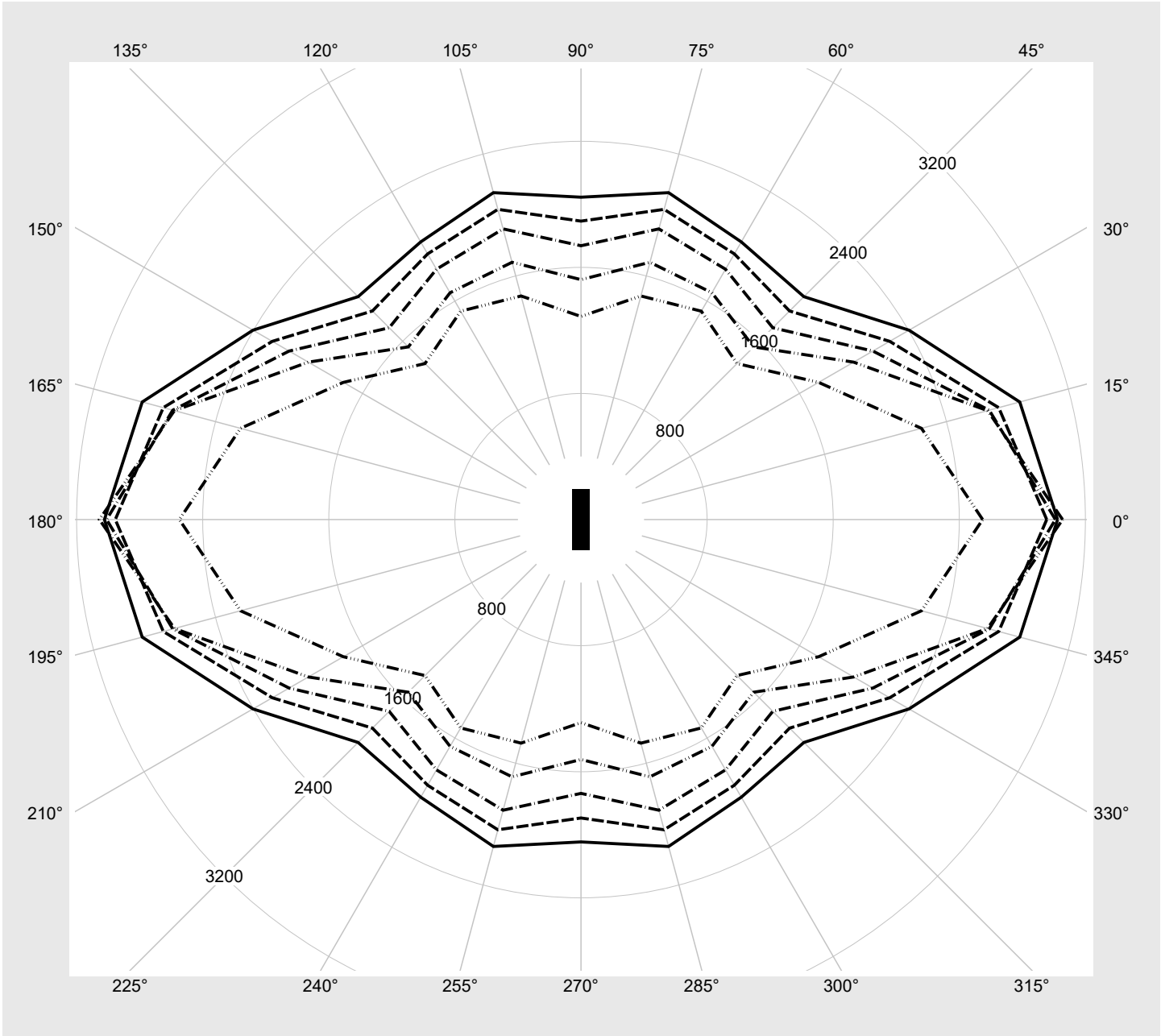
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4180	35.0
95	241	252	3971	33.3
90	227	250	3762	31.4
85	214	248	3553	29.6
80	200	245	3344	27.8
75	187	243	3135	26.1
70	174	240	2926	24.4
65	161	238	2717	22.6
60	148	234	2508	21.0
55	135	231	2299	19.3
50	122	227	2090	17.7
45	110	223	1881	16.1
40	97	219	1672	14.5
35	85	214	1463	12.9
30	72	208	1254	11.2
25	60	201	1045	9.6
20	48	194	836	8.1
15	36	183	627	6.5
10	24	168	418	5.1
5	12	144	209	3.2