

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLE + 5MN91401
EAN: 4050737964188 + 4050737754987

LP number
56404_2



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

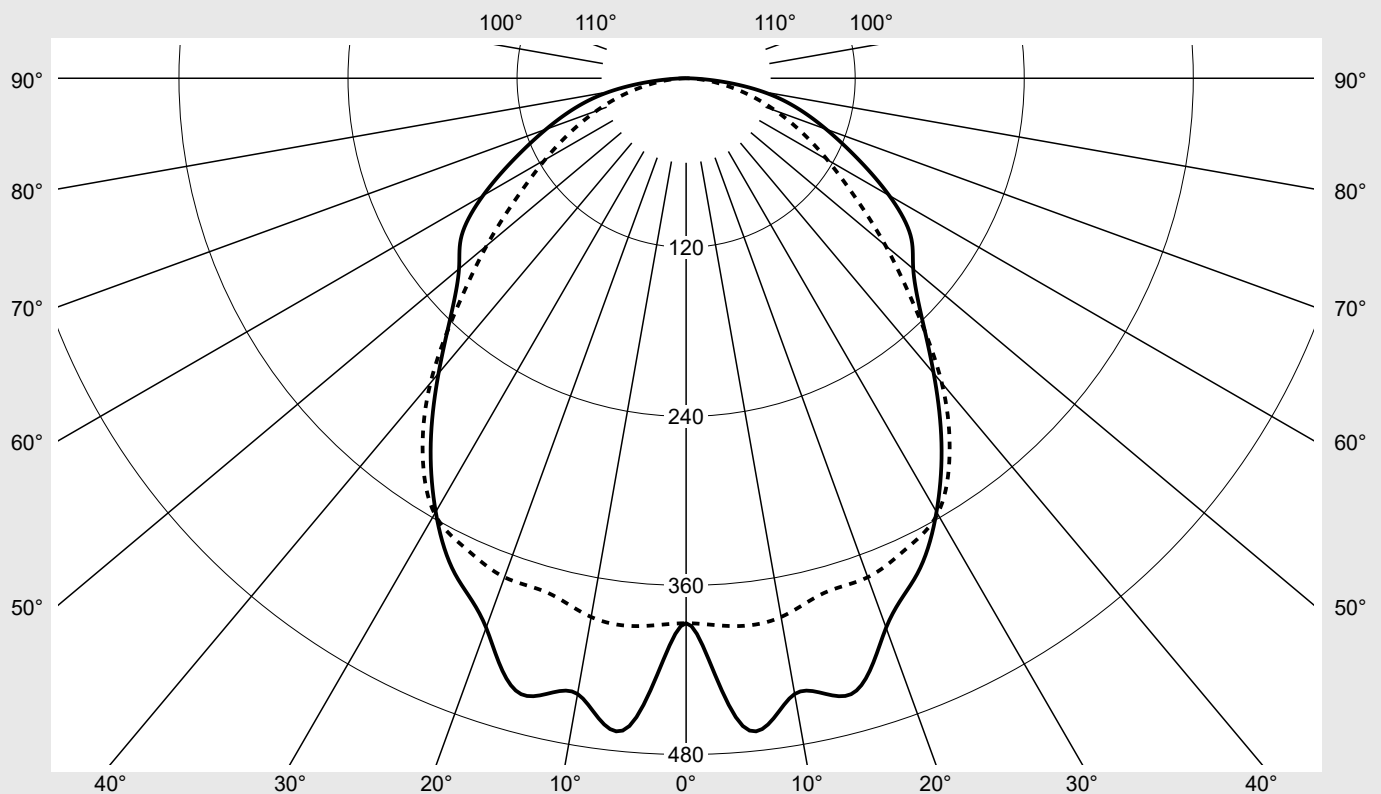
Rated values Net luminous flux = 7910 lm
Power consumption = 62.0 W
Luminous efficacy = 127.6 lm/W

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
		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°	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	18.4	20.0	18.7	20.3	20.6	16.9	18.5	17.3	18.9	19.2
	3H	20.2	21.6	20.5	22.0	22.3	18.3	19.8	18.7	20.2	20.5
	4H	21.0	22.4	21.4	22.7	23.1	19.0	20.3	19.3	20.7	21.0
	6H	21.8	23.0	22.2	23.4	23.8	19.4	20.6	19.8	21.0	21.4
	8H	22.1	23.2	22.5	23.6	24.0	19.6	20.7	20.0	21.1	21.5
	12H	22.3	23.4	22.7	23.7	24.2	19.6	20.7	20.1	21.1	21.6
4H	2H	18.8	20.1	19.1	20.5	20.8	17.6	19.0	18.0	19.3	19.7
	3H	20.7	21.9	21.2	22.3	22.7	19.2	20.4	19.7	20.8	21.2
	4H	21.7	22.8	22.2	23.2	23.6	20.0	21.0	20.4	21.4	21.8
	6H	22.6	23.5	23.1	24.0	24.4	20.5	21.4	21.0	21.9	22.3
	8H	23.0	23.8	23.5	24.3	24.7	20.7	21.5	21.2	22.0	22.5
	12H	23.3	24.0	23.8	24.4	24.9	20.9	21.6	21.3	22.0	22.5
8H	4H	21.9	22.7	22.3	23.2	23.6	20.3	21.1	20.8	21.6	22.0
	6H	22.9	23.6	23.4	24.0	24.5	21.0	21.7	21.5	22.1	22.6
	8H	23.3	23.9	23.8	24.4	24.9	21.2	21.8	21.7	22.3	22.8
	12H	23.7	24.2	24.2	24.7	25.2	21.5	22.0	22.0	22.5	23.0
12H	4H	21.9	22.6	22.4	23.1	23.6	20.4	21.1	20.9	21.5	22.0
	6H	22.9	23.5	23.4	24.0	24.5	21.1	21.7	21.6	22.1	22.7
	8H	23.4	23.9	23.9	24.4	24.9	21.4	21.9	21.9	22.4	22.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1250
			B = 350

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°	6022.0	5781.2	5393.5	5023.4	4649.6	5316.2	5870.0		
50°	5919.2	5712.9	5098.1	4629.7	4328.6	4787.2	5197.1		
55°	6130.4	5816.4	4982.4	4281.1	4122.9	4423.2	4595.0		
60°	6018.1	5679.0	4769.5	4023.1	3964.0	4218.2	4182.3		
65°	5721.6	5453.7	4547.5	3784.6	3849.0	4063.4	3870.4		
70°	5591.3	5191.8	4279.5	3541.5	3683.0	3855.9	3583.1		
75°	5695.8	5073.9	4046.3	3256.5	3470.5	3612.8	3287.7		
80°	5782.0	5053.6	3780.0	2931.7	3144.3	3197.9	2880.6		
85°	4822.5	4231.9	3294.2	2648.7	2889.1	2779.1	2438.5		

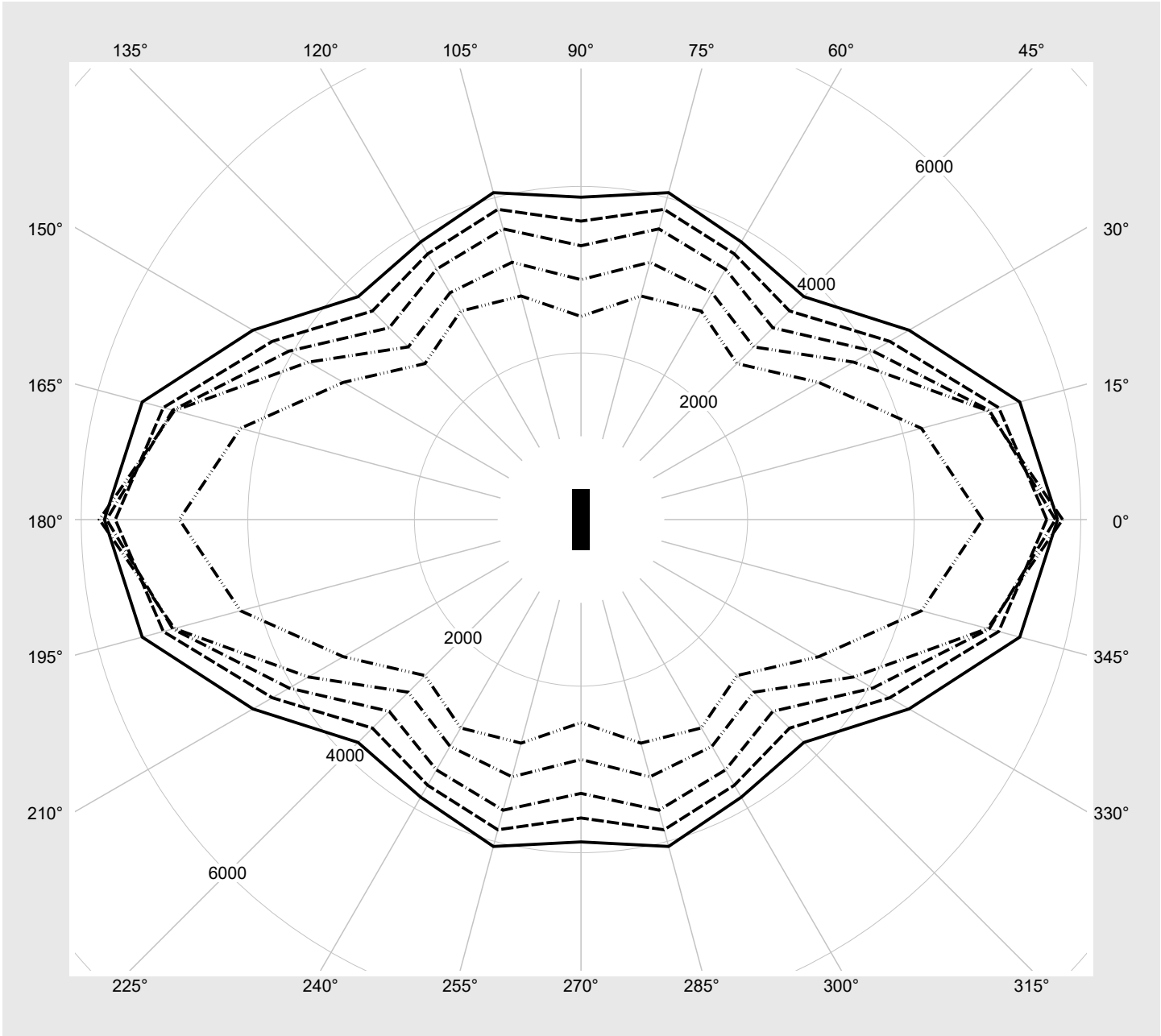
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Luminance values in cd/m²

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	7910	62.0
95	240	252	7515	58.4
90	228	250	7119	55.2
85	215	248	6724	52.0
80	201	246	6328	48.7
75	188	243	5933	45.4
70	175	240	5537	42.0
65	162	238	5142	39.1
60	149	235	4746	36.1
55	137	232	4351	33.3
50	124	228	3955	30.4
45	111	224	3560	27.3
40	99	220	3164	24.2
35	86	215	2769	21.5
30	73	209	2373	18.5
25	61	202	1978	15.9
20	48	194	1582	13.2
15	36	183	1187	10.3
10	24	168	791	7.7
5	12	143	396	5.0