

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLE0S3 + 5MN91402
EAN: 4050737964263 + 4050737755007

LP number
56403_24



Version suspended luminaire, prismatic light guide, direct-/ indirect distribution, 70% passpartout, sensor Master

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

Controlgear ECG-DALI

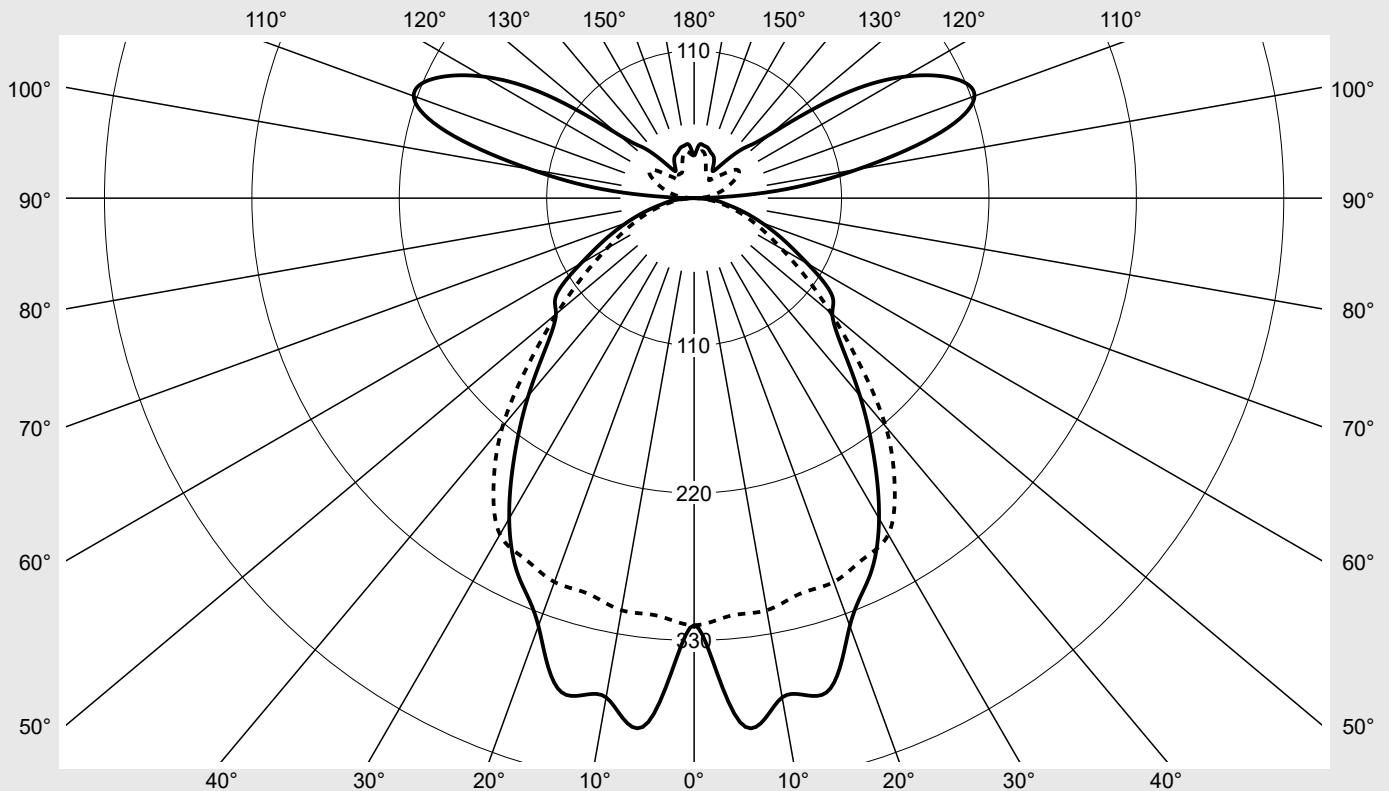
Rated values Net luminous flux = 7210 lm
Power consumption = 62.0 W
Luminous efficacy = 116.3 lm/W

serial
documentation
23.10.2015

siteco

Luminous intensity in cd/klm C180-0 C270-90

Imax: 401 cd/klm



Classifications

DIN 5040 B 5 1
CIE N1=61 N2=86 N3=97
N4=71 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 71.0%
 ϕ_o 29.0%

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°	318.7	318.7	318.7	318.7	318.7	318.7	318.7	1.9	1.9
5°	392.5	392.7	386.9	364.1	325.2	307.3	312.8	16.9	18.9
10°	378.3	373.0	368.0	380.2	400.7	354.0	312.2	35.2	54.1
15°	381.8	379.2	373.4	357.2	377.9	366.1	305.6	52.0	106.0
20°	339.7	336.6	335.5	336.4	339.1	368.9	304.8	63.7	169.8
25°	310.5	302.7	291.0	290.4	299.8	341.6	297.5	70.6	240.4
30°	276.0	265.3	255.9	243.2	241.7	299.7	289.8	72.6	312.9
35°	233.4	224.2	210.7	204.3	188.2	252.3	260.9	69.5	382.5
40°	192.5	183.2	173.3	163.4	147.5	199.6	222.4	63.1	445.6
45°	155.6	148.4	136.2	125.2	116.2	151.4	174.2	54.4	500.0
50°	134.6	129.3	111.6	98.2	93.1	116.8	133.2	47.8	547.8
55°	125.3	117.4	94.8	76.4	76.4	93.3	100.7	42.8	590.5
60°	97.7	94.1	75.7	59.2	63.0	75.6	75.2	35.9	626.5
65°	73.6	71.7	58.3	45.9	52.1	61.4	56.7	29.4	655.8
70°	53.7	51.4	42.8	34.2	41.2	47.5	41.9	22.7	678.6
75°	36.7	34.6	29.2	23.9	29.8	34.0	29.3	16.3	694.8
80°	23.1	21.1	17.5	14.8	18.6	20.5	17.6	10.2	705.0
85°	11.7	10.5	8.9	7.6	9.5	9.6	8.3	5.1	710.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	710.1
95°	60.9	46.5	24.4	9.7	8.5	8.7	8.4	12.1	722.2
100°	123.9	92.6	46.6	18.8	17.5	17.1	15.4	23.6	745.7
105°	191.1	139.2	72.9	28.0	25.4	25.3	21.8	35.0	780.8
110°	222.7	161.1	83.4	34.0	31.1	31.7	27.8	40.1	820.8
115°	212.2	164.7	81.3	37.2	35.6	35.5	34.0	39.5	860.4
120°	181.3	149.8	66.6	38.0	37.1	36.2	38.7	34.6	895.0
125°	134.1	94.1	48.6	38.4	38.1	37.0	36.8	25.6	920.6
130°	74.1	59.9	43.3	38.4	37.7	34.6	27.7	18.5	939.1
135°	52.9	48.2	42.1	37.4	30.3	27.0	21.8	14.4	953.4
140°	35.1	33.0	26.1	21.9	19.2	19.6	17.5	8.6	962.0
145°	24.6	25.9	23.7	22.9	18.3	20.5	20.1	7.0	969.0
150°	29.1	29.9	29.0	26.6	23.9	24.9	21.1	7.3	976.3
155°	34.3	34.0	31.4	27.4	28.9	29.4	21.3	6.9	983.2
160°	36.3	33.8	29.1	30.8	32.8	33.1	25.6	6.0	989.2
165°	39.0	37.6	36.2	36.1	36.6	36.2	32.3	5.2	994.3
170°	40.0	39.5	38.9	39.0	39.3	37.1	35.6	3.7	998.0
175°	39.4	39.3	38.7	37.5	35.5	33.9	33.4	1.8	999.8
180°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	0.2	1000.0

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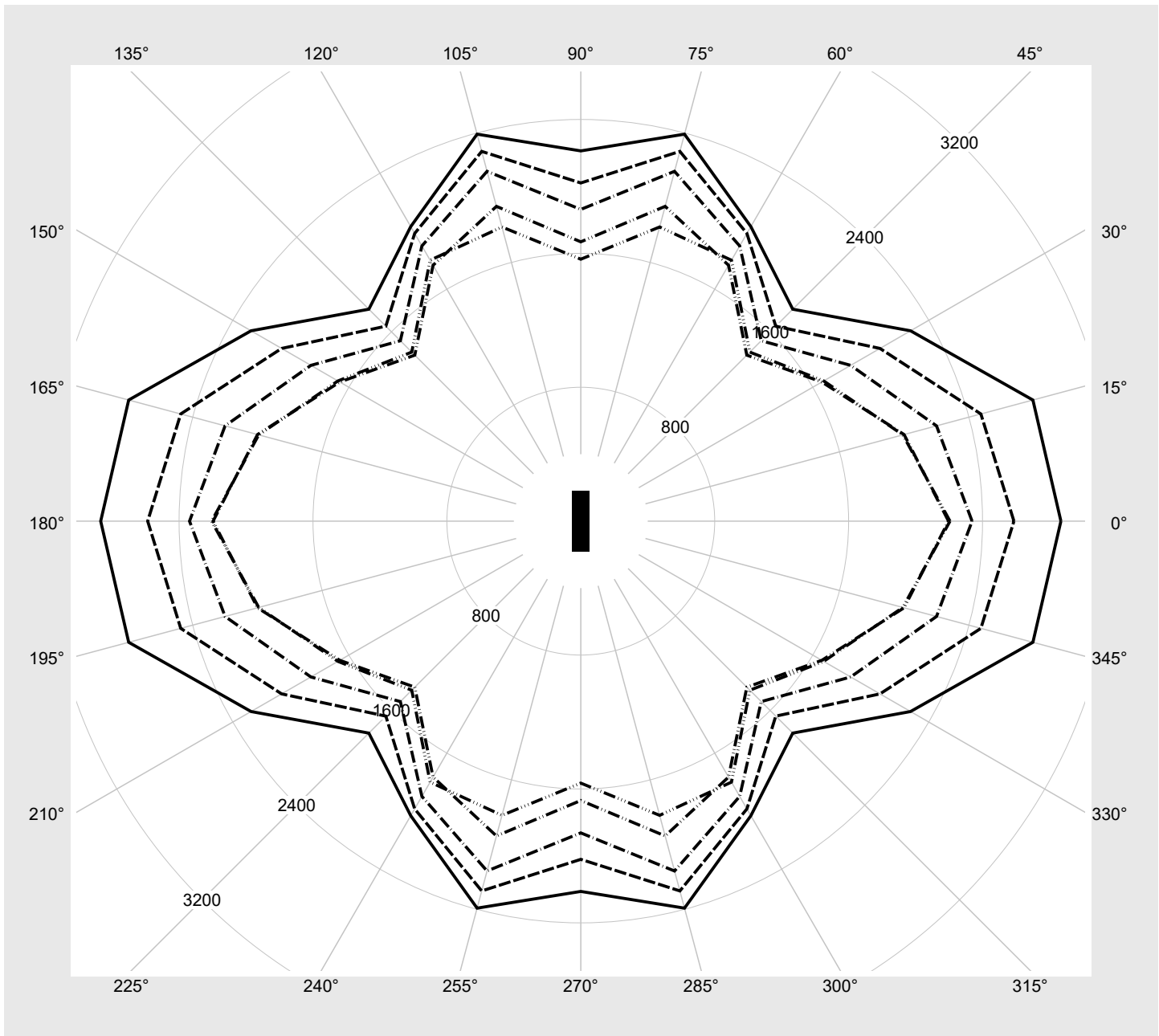
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	14.4	15.6	15.1	16.2	17.0	13.5	14.6	14.1	15.3	16.1
	3H	15.6	16.7	16.4	17.4	18.2	14.7	15.8	15.4	16.5	17.3
	4H	16.1	17.0	16.8	17.8	18.7	15.2	16.2	16.0	16.9	17.8
	6H	16.5	17.4	17.3	18.1	19.0	15.7	16.6	16.4	17.3	18.2
	8H	16.6	17.4	17.4	18.1	19.1	15.7	16.5	16.5	17.2	18.2
	12H	16.7	17.4	17.5	18.2	19.2	15.8	16.6	16.6	17.3	18.3
4H	2H	14.5	15.5	15.3	16.2	17.1	13.7	14.6	14.4	15.3	16.2
	3H	16.0	16.8	16.8	17.5	18.5	15.1	15.9	15.9	16.7	17.6
	4H	16.6	17.3	17.3	18.0	19.0	15.8	16.5	16.6	17.3	18.2
	6H	17.1	17.7	17.9	18.5	19.5	16.4	17.0	17.2	17.8	18.8
	8H	17.2	17.8	18.0	18.6	19.6	16.5	17.1	17.3	17.9	18.9
	12H	17.4	17.9	18.3	18.7	19.8	16.7	17.2	17.5	18.0	19.0
8H	4H	16.6	17.2	17.4	18.0	19.0	15.8	16.4	16.7	17.2	18.2
	6H	17.2	17.7	18.0	18.5	19.5	16.5	16.9	17.3	17.8	18.8
	8H	17.4	17.8	18.3	18.7	19.8	16.8	17.2	17.6	18.0	19.1
	12H	17.8	18.1	18.6	18.9	20.0	17.1	17.4	17.9	18.3	19.3
12H	4H	16.7	17.1	17.5	17.9	19.0	15.9	16.3	16.7	17.2	18.2
	6H	17.3	17.6	18.1	18.5	19.5	16.6	16.9	17.4	17.8	18.8
	8H	17.5	17.9	18.4	18.7	19.8	16.9	17.2	17.8	18.1	19.1

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°		3626.0	3458.0	3175.4	2918.8	2709.2	3528.5	4060.8
50°		3451.1	3315.4	2862.1	2516.9	2388.1	2994.2	3414.5
55°		3598.9	3372.2	2724.0	2195.6	2194.7	2681.0	2893.4
60°		3220.7	3102.7	2494.3	1951.5	2077.3	2490.8	2478.4
65°		2868.3	2796.3	2274.7	1790.8	2032.1	2393.7	2212.2
70°		2587.6	2474.6	2064.0	1647.3	1985.0	2287.2	2020.6
75°		2337.6	2200.2	1861.8	1524.5	1898.6	2163.9	1862.5
80°		2196.9	1999.5	1662.8	1402.7	1765.5	1947.2	1668.9
85°		2205.7	1992.0	1675.5	1428.4	1800.3	1819.6	1565.1

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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	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7210	62.0
95	240	252	6850	58.6
90	225	250	6489	54.9
85	211	247	6129	51.5
80	198	245	5768	48.2
75	184	242	5408	45.0
70	171	240	5047	41.8
65	158	237	4687	38.5
60	144	234	4326	35.2
55	132	230	3966	32.5
50	119	227	3605	29.2
45	107	223	3245	26.5
40	94	218	2884	23.6
35	82	213	2524	20.8
30	70	207	2163	17.9
25	58	200	1803	15.3
20	46	192	1442	12.5
15	34	181	1082	9.8
10	23	166	721	7.2
5	12	141	361	4.6