

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLC0S + 5MN91402
EAN: 4050737964041 + 4050737755007

LP number
56403_9



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

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

Controlgear ECG-DALI

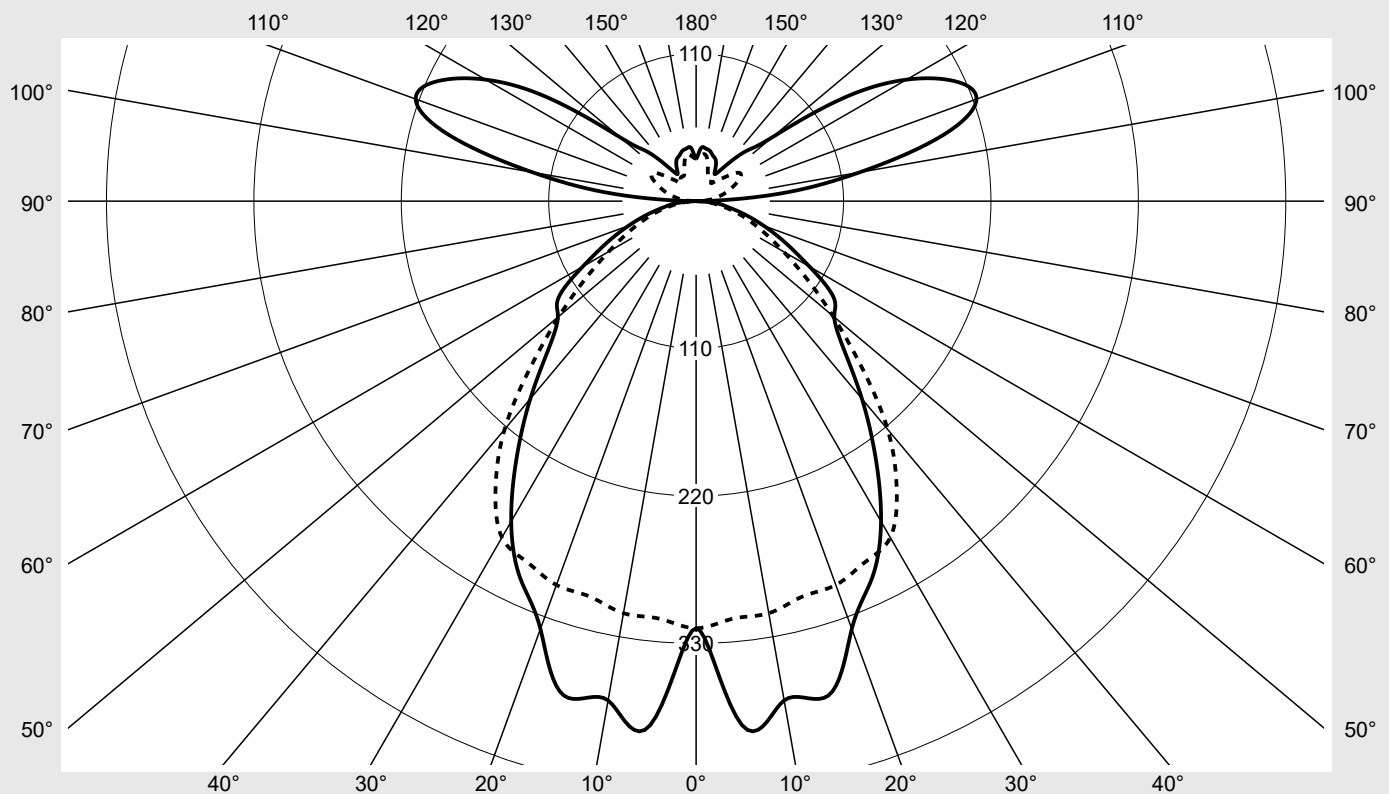
Rated values Net luminous flux = 4240 lm
Power consumption = 31.0 W
Luminous efficacy = 136.8 lm/W

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

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC0S + 5MN91402 EAN: 4050737964041 + 4050737755007	LP number 56403_9
-------------------------------	--	----------------------



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

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC0S + 5MN91402 EAN: 4050737964041 + 4050737755007	LP number 56403_9
-------------------------------	--	----------------------

UGR-Table	Standard room	siteco								
-----------	---------------	--------	--	--	--	--	--	--	--	--

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	12.6	13.7	13.2	14.4	15.2	11.6	12.8	12.3	13.5	14.3
	3H	13.8	14.8	14.5	15.5	16.4	12.9	13.9	13.6	14.6	15.5
	4H	14.3	15.2	15.0	15.9	16.8	13.4	14.4	14.1	15.1	15.9
	6H	14.7	15.5	15.4	16.3	17.2	13.9	14.7	14.6	15.5	16.3
	8H	14.7	15.5	15.5	16.3	17.2	13.9	14.6	14.6	15.4	16.3
	12H	14.9	15.6	15.7	16.4	17.3	14.0	14.7	14.8	15.5	16.4
4H	2H	12.7	13.6	13.4	14.4	15.2	11.8	12.7	12.5	13.5	14.4
	3H	14.2	14.9	14.9	15.7	16.6	13.3	14.1	14.0	14.8	15.8
	4H	14.7	15.4	15.5	16.2	17.2	14.0	14.7	14.7	15.4	16.4
	6H	15.3	15.9	16.1	16.7	17.7	14.6	15.2	15.4	16.0	16.9
	8H	15.4	15.9	16.2	16.7	17.8	14.7	15.2	15.5	16.0	17.0
	12H	15.6	16.1	16.4	16.9	17.9	14.8	15.3	15.7	16.1	17.1
8H	4H	14.8	15.3	15.6	16.1	17.1	14.0	14.5	14.8	15.4	16.4
	6H	15.4	15.8	16.2	16.7	17.7	14.6	15.1	15.5	15.9	17.0
	8H	15.6	16.0	16.5	16.9	17.9	14.9	15.3	15.8	16.2	17.2
	12H	15.9	16.2	16.8	17.1	18.2	15.2	15.6	16.1	16.4	17.5
12H	4H	14.8	15.3	15.6	16.1	17.1	14.0	14.5	14.9	15.3	16.4
	6H	15.4	15.8	16.3	16.6	17.7	14.7	15.1	15.6	16.0	17.0
	8H	15.7	16.0	16.6	16.9	17.9	15.0	15.4	15.9	16.2	17.3

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

C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		2132.3	2033.6	1867.4	1716.5	1593.2	2075.0	2388.0
50°		2029.5	1949.7	1683.1	1480.1	1404.3	1760.8	2008.0
55°		2116.4	1983.1	1601.9	1291.2	1290.6	1576.6	1701.5
60°		1894.0	1824.6	1466.9	1147.6	1221.6	1464.8	1457.5
65°		1686.8	1644.4	1337.7	1053.1	1195.0	1407.7	1300.9
70°		1521.7	1455.2	1213.8	968.7	1167.3	1345.0	1188.3
75°		1374.7	1293.9	1094.9	896.5	1116.5	1272.5	1095.3
80°		1292.0	1175.9	977.9	824.9	1038.2	1145.1	981.4
85°		1297.1	1171.5	985.3	840.0	1058.7	1070.0	920.4

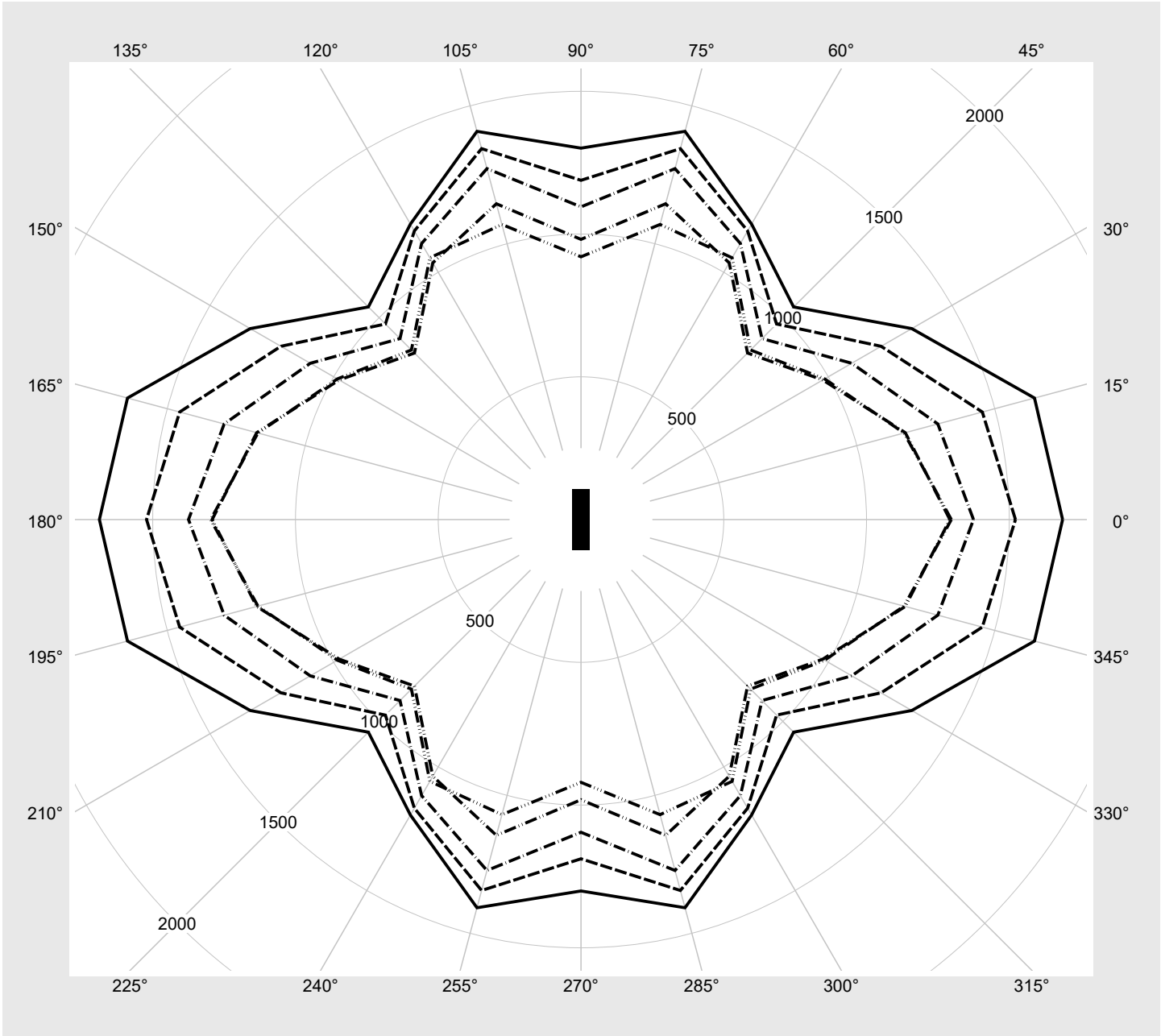
Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC0S + 5MN91402 EAN: 4050737964041 + 4050737755007	LP number 56403_9
--------------------------------------	--	-----------------------------

Luminance values in cd/m²


γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLC0S + 5MN91402 EAN: 4050737964041 + 4050737755007	LP number 56403_9
---	--	------------------------------------

Dimming levels table	environmental temperature: 25°C	
-----------------------------	---------------------------------	---

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4240	31.0
95	241	252	4028	29.4
90	227	250	3816	27.8
85	214	248	3604	26.3
80	201	245	3392	24.7
75	188	243	3180	23.2
70	175	240	2968	21.7
65	162	238	2756	20.2
60	149	235	2544	18.7
55	136	232	2332	17.3
50	124	227	2120	15.8
45	111	224	1908	14.4
40	98	219	1696	13.1
35	86	214	1484	11.7
30	74	209	1272	10.3
25	61	201	1060	8.9
20	48	194	848	7.5
15	36	183	636	6.1
10	24	170	424	4.6
5	12	142	212	3.4