

Photometric test report

Family
Linear Office VEGA®

Order number: 5MN238DLE
EAN: 4050737964188

LP number
56402_2



Version suspended luminaire, prismatic light guide, direct-/ indirect distribution

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

Controlgear ECG-DALI

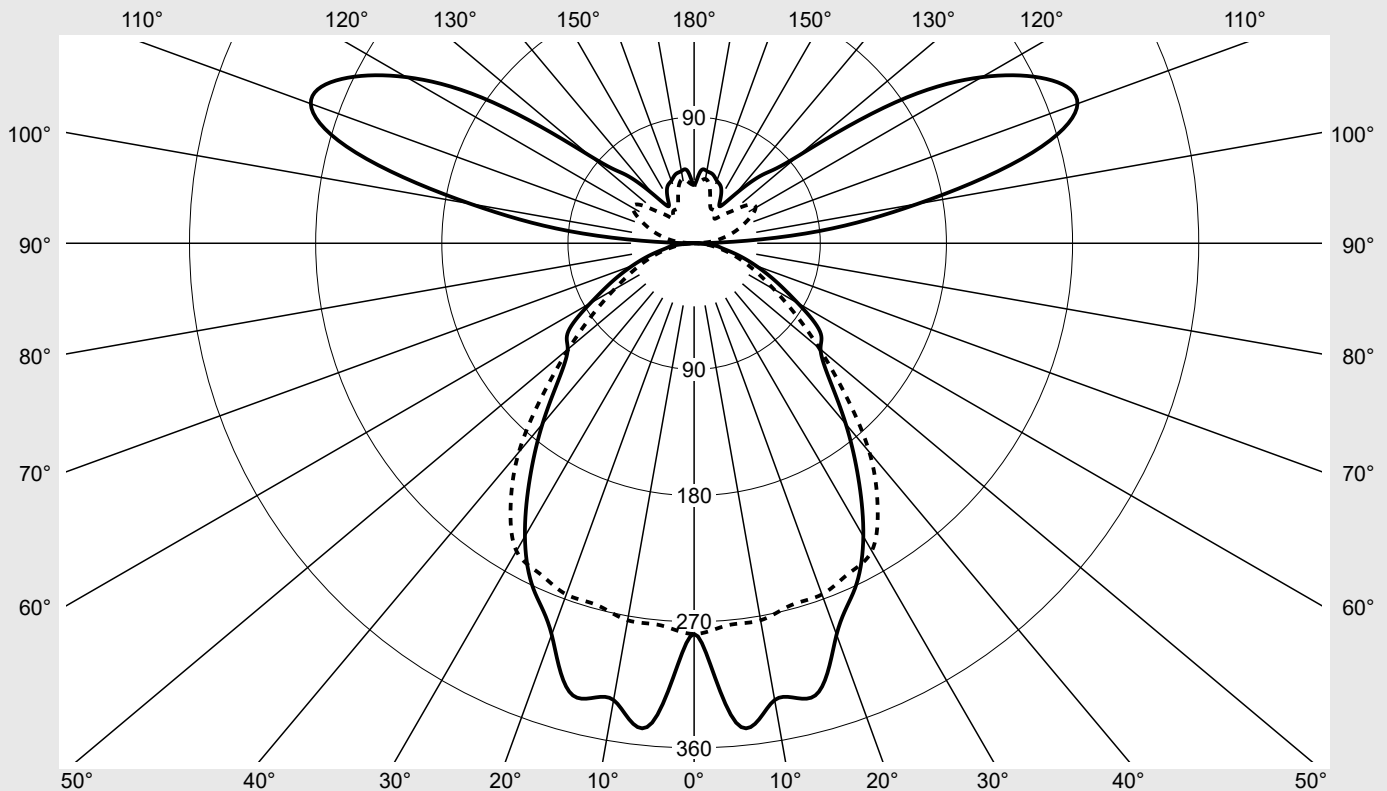
Rated values Net luminous flux = 8130 lm
Power consumption = 62.0 W
Luminous efficacy = 131.1 lm/W

serial
documentation
23.10.2015

siteco

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

Imax: 351 cd/klm



Classifications

DIN 5040 B 5 1
CIE N1=61 N2=86 N3=97
N4=62 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 62.1%
 ϕ_o 37.9%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE EAN: 4050737964188	LP number 56402_2
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°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	1.7	1.7
5°	343.3	343.5	338.4	318.5	284.5	268.8	273.6	14.8	16.5
10°	330.9	326.3	321.9	332.6	350.5	309.7	273.1	30.8	47.3
15°	334.0	331.7	326.6	312.5	330.5	320.2	267.3	45.4	92.8
20°	297.1	294.5	293.5	294.2	296.6	322.7	266.6	55.7	148.5
25°	271.6	264.8	254.5	254.0	262.3	298.8	260.2	61.8	210.3
30°	241.4	232.0	223.8	212.7	211.5	262.1	253.5	63.5	273.7
35°	204.2	196.1	184.3	178.7	164.6	220.7	228.2	60.8	334.6
40°	168.4	160.3	151.6	142.9	129.1	174.6	194.5	55.2	389.8
45°	136.1	129.8	119.2	109.5	101.7	132.4	152.4	47.6	437.4
50°	117.7	113.1	97.7	85.9	81.5	102.2	116.5	41.8	479.2
55°	109.6	102.7	82.9	66.8	66.8	81.6	88.1	37.4	516.6
60°	85.5	82.3	66.2	51.8	55.1	66.1	65.8	31.4	548.0
65°	64.3	62.7	51.0	40.2	45.6	53.7	49.6	25.7	573.7
70°	47.0	44.9	37.5	29.9	36.0	41.5	36.7	19.9	593.6
75°	32.1	30.2	25.6	20.9	26.1	29.7	25.6	14.2	607.8
80°	20.2	18.4	15.3	12.9	16.3	17.9	15.4	8.9	616.7
85°	10.2	9.2	7.8	6.6	8.3	8.4	7.2	4.5	621.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	621.1
95°	79.6	60.8	31.9	12.7	11.1	11.3	11.0	15.8	636.9
100°	162.0	121.1	61.0	24.5	22.8	22.3	20.1	30.8	667.7
105°	249.8	181.9	95.3	36.5	33.2	33.0	28.5	45.8	713.5
110°	291.0	210.6	109.0	44.5	40.7	41.4	36.3	52.4	765.9
115°	277.3	215.3	106.2	48.7	46.5	46.4	44.5	51.7	817.6
120°	237.0	195.8	87.1	49.6	48.5	47.3	50.6	45.3	862.8
125°	175.3	123.0	63.5	50.1	49.8	48.4	48.1	33.4	896.2
130°	96.8	78.3	56.6	50.2	49.2	45.2	36.2	24.2	920.4
135°	69.2	63.0	55.0	48.9	39.6	35.3	28.5	18.8	939.2
140°	45.9	43.1	34.1	28.7	25.1	25.6	22.8	11.2	950.4
145°	32.2	33.9	31.0	29.9	23.9	26.8	26.3	9.2	959.6
150°	38.0	39.1	37.8	34.8	31.3	32.5	27.6	9.5	969.1
155°	44.9	44.5	41.0	35.8	37.8	38.5	27.8	9.0	978.1
160°	47.5	44.1	38.0	40.3	42.9	43.2	33.4	7.8	985.9
165°	51.0	49.2	47.3	47.1	47.9	47.3	42.2	6.7	992.7
170°	52.3	51.6	50.9	51.0	51.3	48.5	46.5	4.8	997.5
175°	51.5	51.4	50.5	49.0	46.3	44.4	43.7	2.3	999.8
180°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	0.2	1000.0

Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE EAN: 4050737964188	LP number 56402_2
-------------------------------	---	----------------------

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	13.8	14.8	14.5	15.6	16.6	12.9	13.9	13.6	14.7	15.6
	3H	15.0	15.9	15.8	16.7	17.7	14.1	15.0	14.9	15.8	16.8
	4H	15.4	16.3	16.3	17.1	18.1	14.6	15.5	15.4	16.3	17.3
	6H	15.8	16.6	16.7	17.5	18.5	15.1	15.9	15.9	16.7	17.7
	8H	15.9	16.6	16.7	17.4	18.5	15.0	15.7	15.9	16.6	17.6
	12H	16.0	16.6	16.9	17.5	18.6	15.2	15.8	16.0	16.7	17.7
4H	2H	13.9	14.7	14.7	15.6	16.6	13.0	13.8	13.8	14.6	15.7
	3H	15.3	16.0	16.2	16.9	17.9	14.4	15.1	15.3	16.0	17.1
	4H	15.8	16.5	16.7	17.4	18.4	15.1	15.7	16.0	16.6	17.7
	6H	16.4	16.9	17.3	17.8	18.9	15.7	16.2	16.6	17.1	18.2
	8H	16.5	17.0	17.4	17.9	19.0	15.8	16.3	16.7	17.2	18.3
	12H	16.7	17.1	17.6	18.0	19.2	15.9	16.4	16.9	17.3	18.4
8H	4H	15.9	16.4	16.8	17.3	18.4	15.1	15.6	16.0	16.5	17.6
	6H	16.4	16.9	17.4	17.8	19.0	15.7	16.1	16.6	17.0	18.2
	8H	16.7	17.0	17.6	18.0	19.2	16.0	16.4	17.0	17.3	18.5
	12H	17.0	17.3	17.9	18.2	19.4	16.3	16.6	17.3	17.6	18.7
12H	4H	15.9	16.3	16.8	17.3	18.4	15.1	15.5	16.0	16.5	17.6
	6H	16.5	16.8	17.4	17.8	18.9	15.8	16.1	16.7	17.1	18.3
	8H	16.8	17.1	17.7	18.0	19.2	16.1	16.4	17.1	17.4	18.6

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

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°		3576.5	3410.8	3132.1	2878.9	2672.3	3480.4	4005.4
50°		3404.0	3270.2	2823.0	2482.5	2355.5	2953.4	3367.9
55°		3549.8	3326.1	2686.8	2165.7	2164.8	2644.4	2853.9
60°		3176.7	3060.3	2460.3	1924.9	2049.0	2456.8	2444.6
65°		2829.2	2758.2	2243.7	1766.4	2004.3	2361.0	2182.1
70°		2552.3	2440.8	2035.8	1624.8	1957.9	2255.9	1993.0
75°		2305.7	2170.2	1836.4	1503.7	1872.7	2134.4	1837.1
80°		2166.9	1972.3	1640.1	1383.6	1741.4	1920.6	1646.1
85°		2175.6	1964.8	1652.6	1408.9	1775.6	1794.8	1543.7

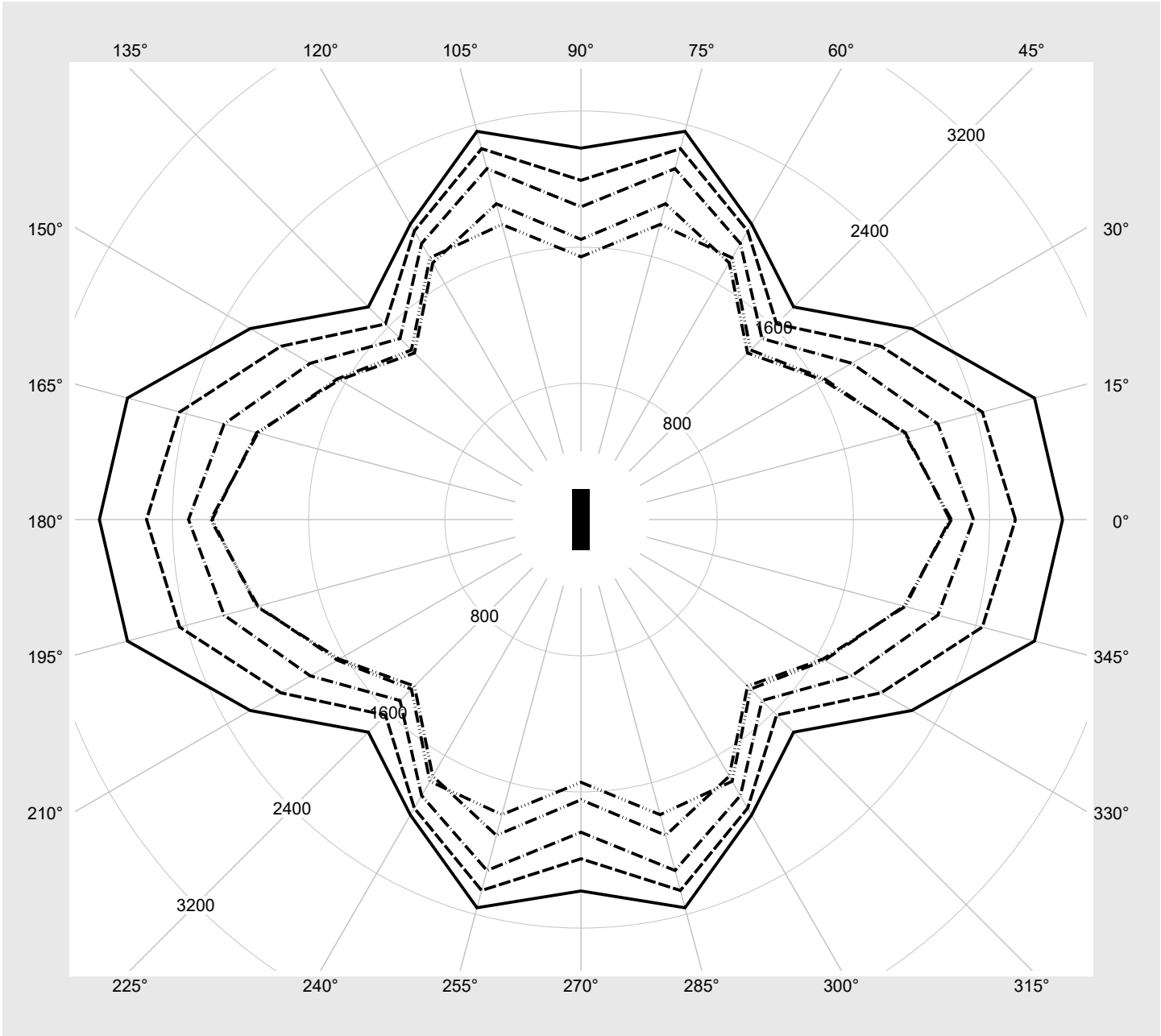
Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE EAN: 4050737964188	LP number 56402_2
--------------------------------------	---	-----------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Linear Office VEGA®	Order number: 5MN238DLE EAN: 4050737964188	LP number 56402_2
--------------------------------------	---	------------------------------------

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

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8130	62.0
95	241	252	7735	58.7
90	229	250	7333	55.5
85	216	248	6925	52.2
80	202	246	6517	48.9
75	188	243	6083	45.4
70	175	240	5677	42.0
65	162	238	5272	39.1
60	149	235	4866	36.1
55	137	232	4461	33.3
50	124	228	4055	30.4
45	111	224	3650	27.3
40	99	220	3244	24.2
35	86	215	2839	21.5
30	73	209	2433	18.5
25	61	202	2028	15.9
20	48	194	1622	13.2
15	36	183	1217	10.3
10	24	168	811	7.7
5	12	143	406	5.0