

## Lichttechnischer Prüfbefund

Familie  
Linear Office VEGA®

Bestell-Nr.: 5MN238DLC003 + 5MN91401  
EAN: 4050737964164 + 4050737754987

LP-Nummer  
56404\_15



**Ausführung** Anbauleuchte, Prismen-Lichtleiter, 100%  
Passepartout, direkt strahlend

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

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 4180 lm  
Systemleistung = 35.0 W  
Lichtausbeute = 119.4 lm/W

Seriendokumentation  
23.10.2015

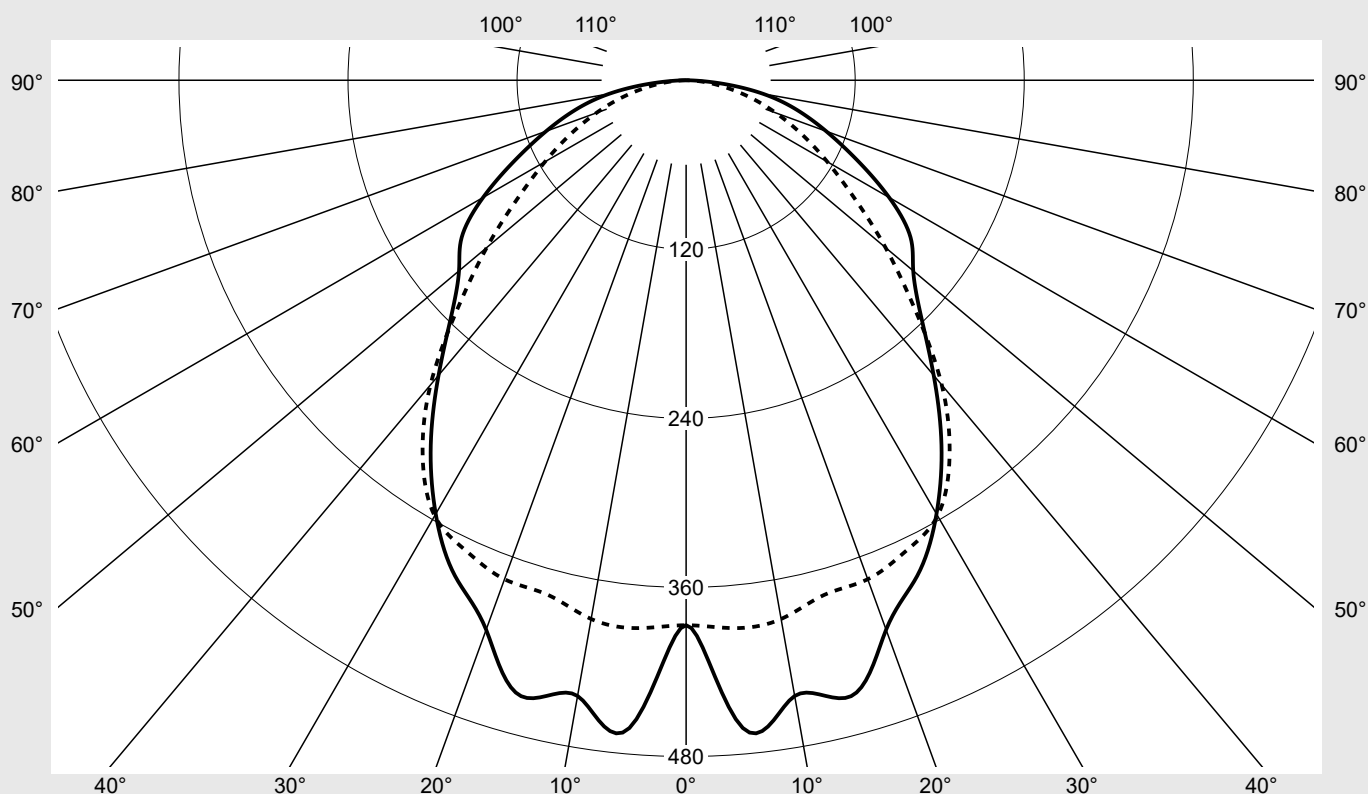
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 467 cd/klm



## Klassifizierungen

DIN 5040 A 4 0  
CIE N1=54 N2=82 N3=96  
N4=100 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

## Messbedingungen

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sITeco</b>
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ	Lichtstärke in cd/klm							Lichtstrom 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-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (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

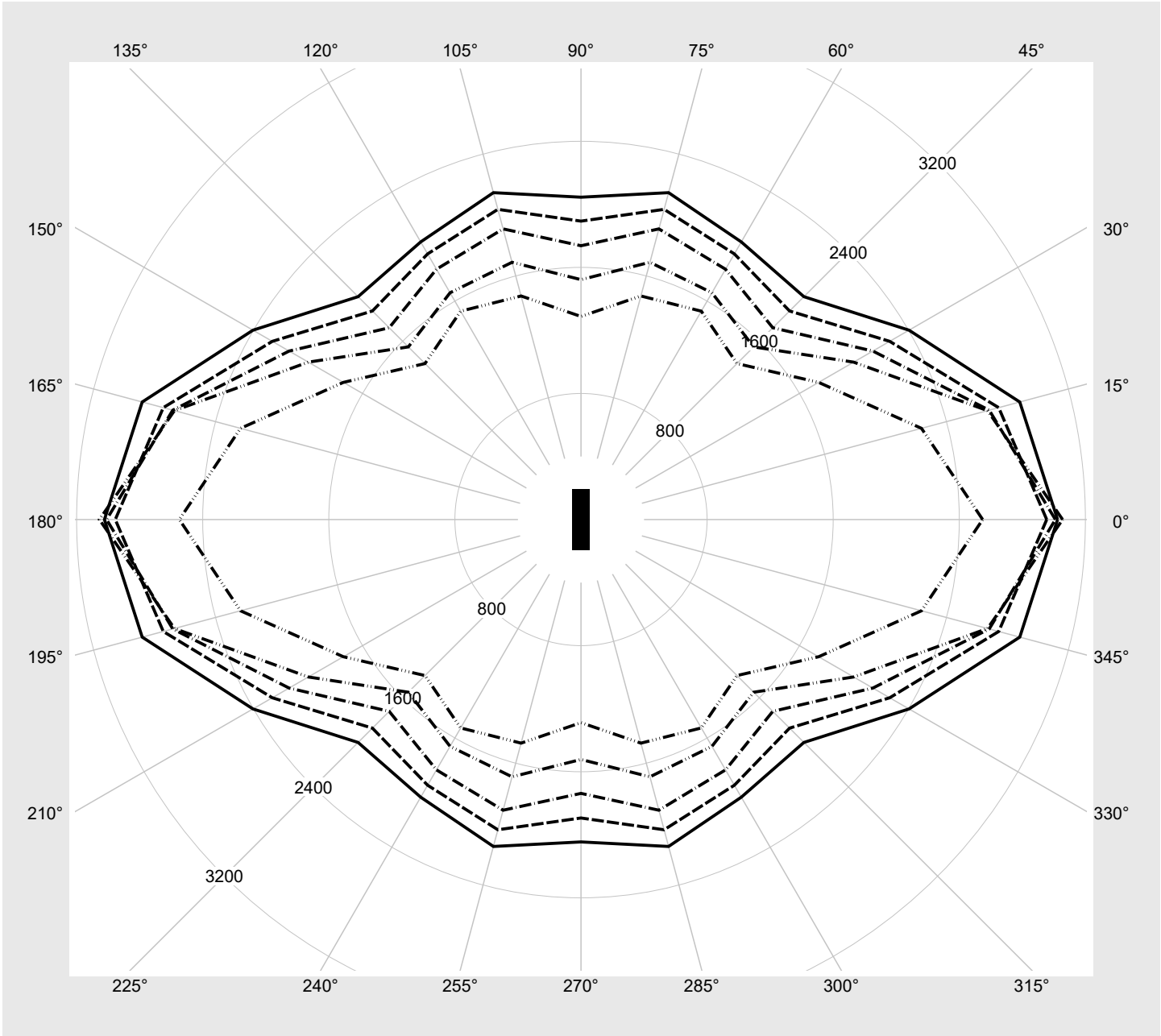
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1250 B = 350
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C-Ebenen	$\gamma$	Leuchtdichte in $\text{cd/m}^2$							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		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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Leuchtdichten in cd/m<sup>2</sup>       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



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<b>Dimmstufen-Tabelle</b>		<b>sITeco</b>
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [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