

Lichttechnischer Prüfbefund

Familie
Modario® 31 Silica®

Bestell-Nr.: 51RY19MB46C
EAN: 4058352068298

LP-Nummer
59586_1



Ausführung Leuchteinsatz LED, Kombinierte Linsen und Reflektor Optik, Reflektor, weiß, doppelt asymmetrisch strahlend, UGR≤22, für Modario® 31 Schiene

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 6620 lm
Systemleistung = 37.8 W
Lichtausbeute = 175.1 lm/W

Seriendokumentation
11.04.2024

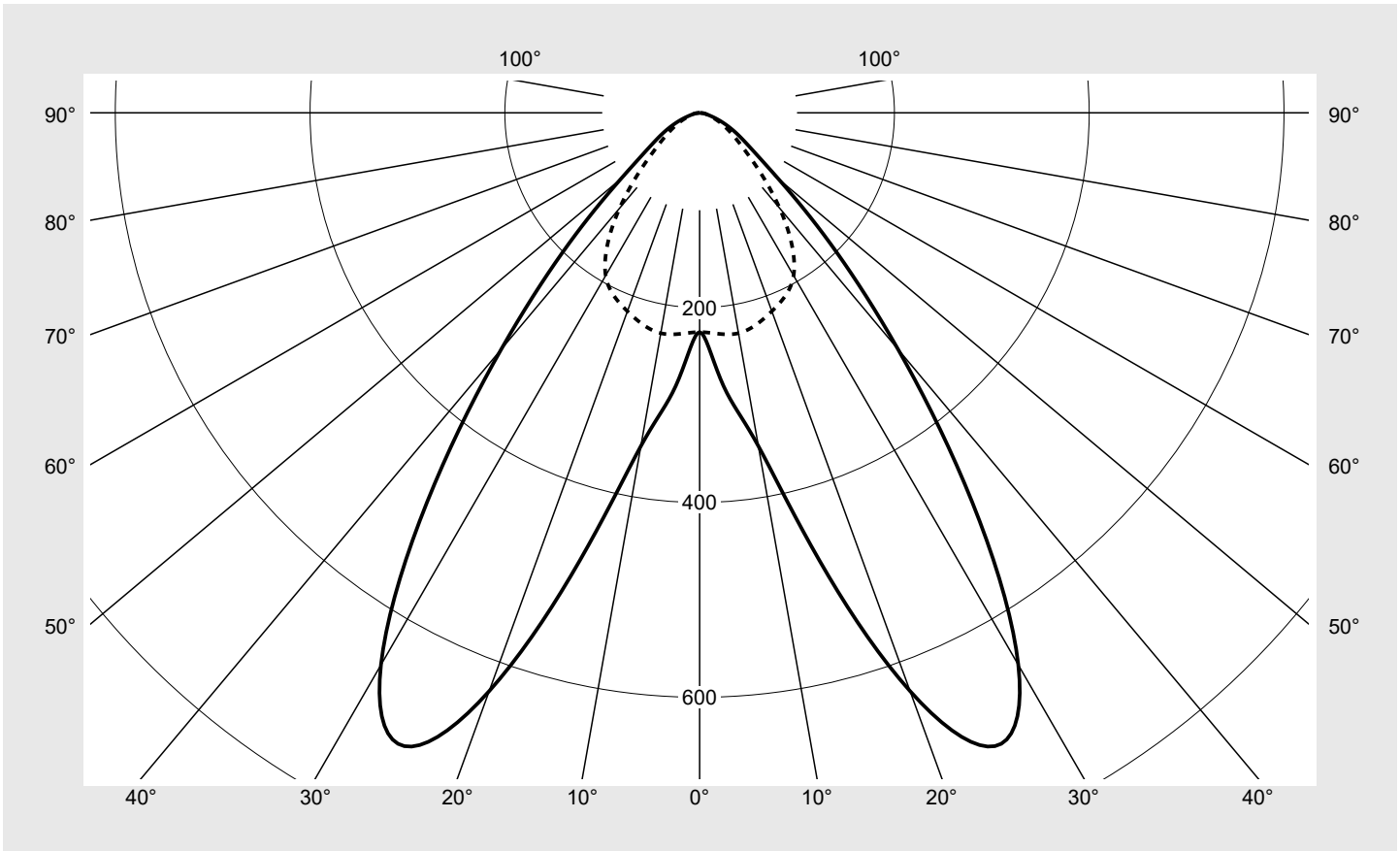
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 763 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=72 N2=95 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm								Lichtstrom in lm/klm		
0°	225.1	225.1	225.1	225.1	225.1	225.1	225.1	1.3	1.3	
5°	281.5	282.9	282.5	276.3	260.7	240.6	227.8	12.7	14.1	
10°	347.4	348.0	337.9	323.1	302.5	268.5	229.8	29.6	43.7	
15°	476.2	473.7	454.1	408.5	345.8	285.5	225.0	54.8	98.5	
20°	631.8	642.6	617.5	523.3	394.6	284.8	216.8	90.2	188.7	
25°	717.4	749.9	744.5	641.0	440.5	279.4	207.7	128.1	316.8	
30°	654.4	712.7	762.9	691.0	461.6	264.1	192.9	151.5	468.3	
35°	488.0	558.6	656.1	652.8	455.0	226.0	164.9	150.6	618.9	
40°	317.0	369.7	473.8	536.5	390.9	175.4	127.8	127.4	746.3	
45°	189.8	221.5	301.4	378.2	292.6	124.7	90.7	94.2	840.5	
50°	105.7	126.2	179.1	238.7	176.8	78.8	62.0	61.8	902.4	
55°	65.7	73.4	98.3	131.9	95.0	54.1	44.5	38.0	940.3	
60°	46.1	49.1	56.0	63.2	58.5	38.1	32.2	24.1	964.4	
65°	31.5	32.7	33.4	34.3	35.1	25.8	22.6	15.6	980.0	
70°	19.4	19.8	19.3	19.5	16.8	15.1	14.5	9.2	989.2	
75°	10.4	10.9	11.0	10.3	9.6	9.4	9.1	5.4	994.6	
80°	6.0	6.1	6.1	6.2	6.1	6.1	5.9	3.3	997.9	
85°	3.1	3.2	3.1	3.2	3.1	3.1	2.9	1.7	999.6	
90°	0.9	0.9	0.9	0.8	0.6	0.5	0.3	0.4	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	21,9	23,4	22,3	23,7	24,0	20,2	21,6	20,5	21,9	22,3
	3H	22,0	23,3	22,4	23,6	24,0	20,2	21,5	20,6	21,9	22,2
	4H	22,0	23,2	22,4	23,5	23,9	20,2	21,4	20,6	21,8	22,2
	6H	22,0	23,1	22,4	23,4	23,8	20,2	21,3	20,6	21,7	22,1
	8H	22,1	23,0	22,5	23,4	23,8	20,2	21,3	20,7	21,7	22,1
	12H	22,1	22,9	22,5	23,3	23,7	20,2	21,2	20,7	21,6	22,0
4H	2H	21,9	23,1	22,3	23,5	23,9	20,4	21,6	20,8	21,9	22,3
	3H	22,1	23,1	22,5	23,4	23,9	20,5	21,5	20,9	21,9	22,3
	4H	22,1	23,0	22,5	23,4	23,8	20,5	21,4	20,9	21,8	22,2
	6H	22,1	22,8	22,6	23,3	23,7	20,5	21,3	21,0	21,7	22,2
	8H	22,1	22,8	22,6	23,2	23,7	20,5	21,2	21,0	21,7	22,1
	12H	22,1	22,7	22,6	23,2	23,6	20,6	21,2	21,0	21,6	22,1
8H	4H	22,0	22,7	22,5	23,2	23,6	20,5	21,2	21,0	21,6	22,1
	6H	22,0	22,6	22,5	23,1	23,6	20,5	21,1	21,0	21,6	22,1
	8H	22,0	22,5	22,5	23,0	23,5	20,5	21,0	21,0	21,5	22,1
	12H	22,1	22,5	22,6	23,0	23,5	20,6	21,0	21,1	21,5	22,0
12H	4H	22,0	22,6	22,5	23,1	23,6	20,5	21,1	21,0	21,5	22,0
	6H	22,0	22,5	22,5	23,0	23,5	20,6	21,0	21,1	21,5	22,0
	8H	22,0	22,4	22,6	22,9	23,5	20,6	21,0	21,1	21,5	22,0

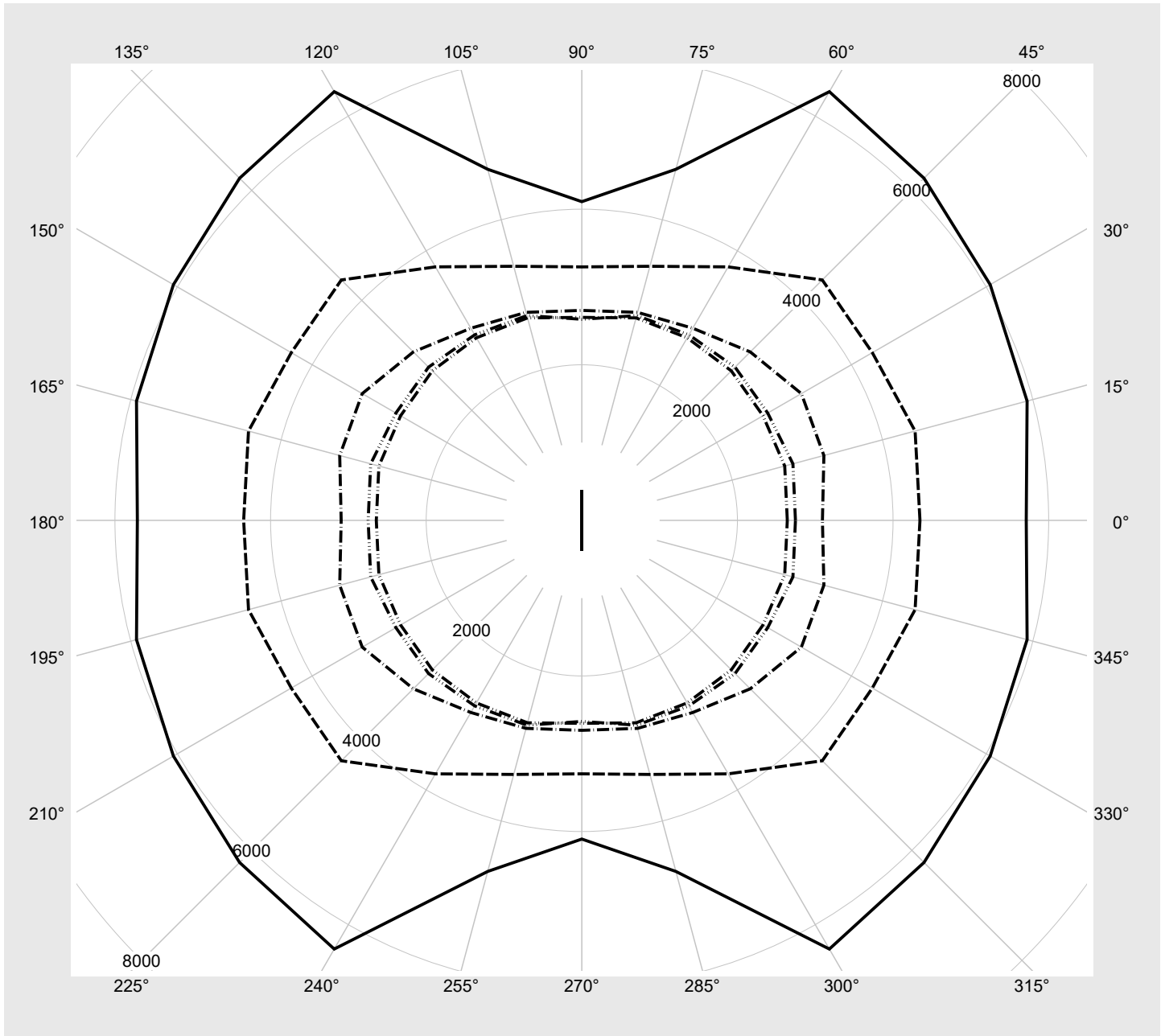
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1490 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		20557.0	23996.9	32650.7	40971.0	31698.4	13510.3	9826.2	
50°		12592.8	15045.4	21343.8	28440.9	21068.8	9386.0	7389.2	
55°		8772.4	9802.5	13126.2	17609.3	12683.1	7227.1	5941.6	
60°		7061.7	7526.4	8573.4	9682.7	8969.1	5837.9	4925.5	
65°		5712.0	5924.9	6060.5	6219.8	6363.2	4672.3	4096.8	
70°		4345.9	4434.6	4311.4	4370.6	3762.7	3381.3	3258.3	
75°		3092.6	3221.0	3258.6	3062.1	2852.0	2768.2	2699.2	
80°		2641.1	2699.8	2689.2	2717.4	2709.5	2694.5	2609.3	
85°		2745.7	2809.0	2758.9	2785.3	2753.6	2725.5	2584.9	

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen-Tabelle

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
0	OFF	OFF	OFF	6620	37.8
1	ON	OFF	OFF	5610	31.8
2	OFF	ON	OFF	4650	26.3
4	OFF	OFF	ON	3850	21.7