

Lichttechnischer Prüfbefund

Familie
Modario® 31 Silica®

Bestell-Nr.: 51RY1TMB46C
EAN: 4058352068359

LP-Nummer
59587_2



Ausführung Leuchteinsatz LED, Kombinierte Linsen und Reflektor Optik, Reflektor, weiß, medium strahlend, $UGR \leq 19$ ($L65 \leq 3000 \text{cd/m}^2$), für Modario® 31 Schiene

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte
 Nettolichtstrom = 6710 lm
 Systemleistung = 37.8 W
 Lichtausbeute = 177.5 lm/W

Seriendokumentation
 11.04.2024

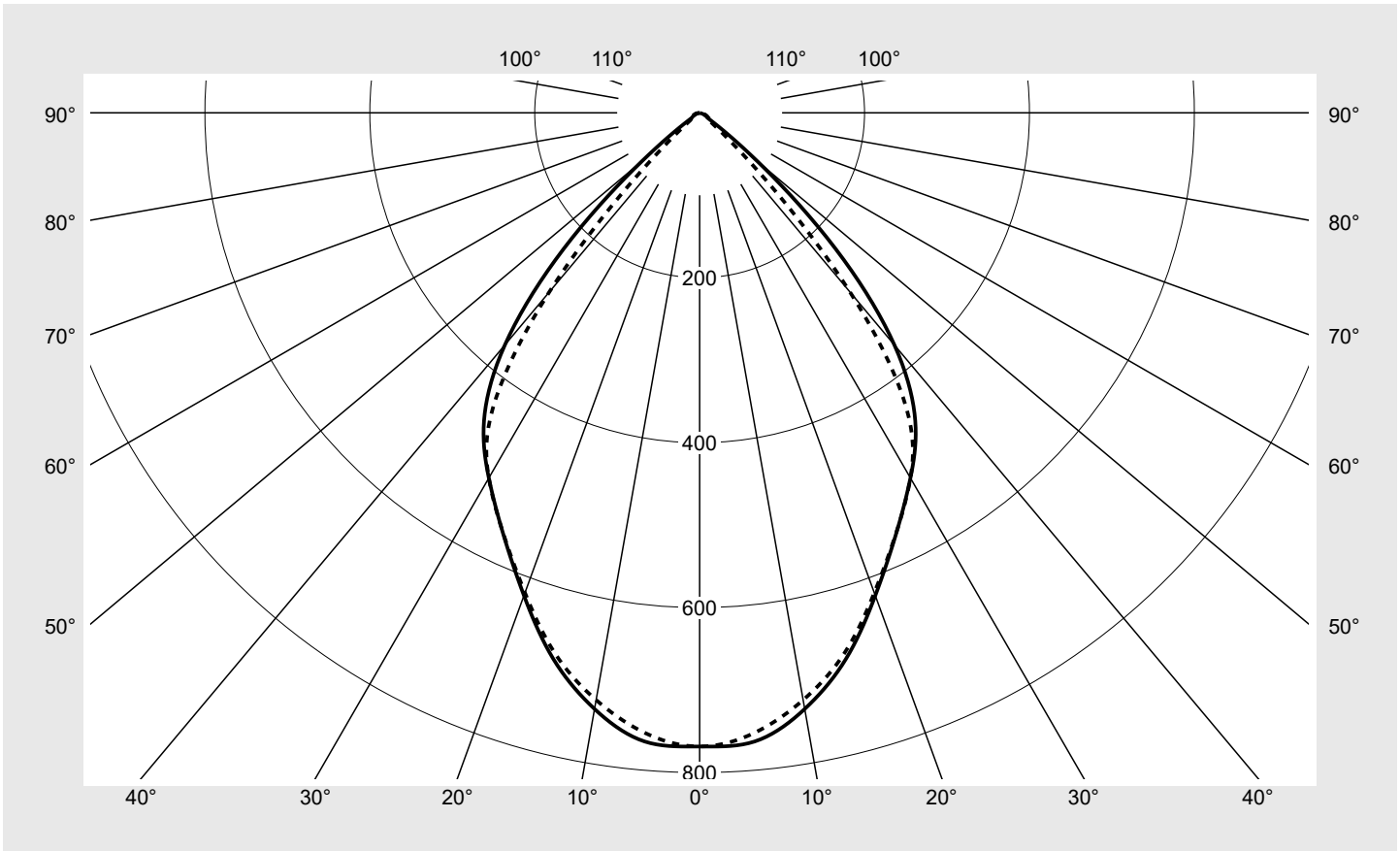
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 768 cd/klm



Klassifizierungen

DIN 5040 A 6 0
 CIE N1=84 N2=98 N3=100
 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
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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°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	4.6	4.6
5°	765.3	768.0	765.0	762.8	759.5	757.9	755.0	36.4	41.0
10°	734.1	734.0	732.4	737.2	742.1	737.7	723.0	70.0	111.0
15°	685.6	681.9	681.6	675.1	683.9	691.5	678.4	96.8	207.8
20°	622.9	626.4	622.8	619.9	623.1	627.2	619.4	116.9	324.7
25°	563.6	566.5	563.0	563.9	569.1	572.1	563.2	131.2	455.9
30°	511.3	514.7	512.7	517.1	520.8	522.1	511.3	141.5	597.5
35°	456.0	458.5	457.0	463.1	461.6	452.4	437.3	143.5	741.0
40°	367.5	370.5	373.7	377.6	365.2	325.0	283.8	125.5	866.5
45°	233.0	234.3	234.3	232.0	181.4	130.0	102.6	76.2	942.7
50°	91.5	102.8	90.9	79.8	61.1	23.2	20.0	28.9	971.7
55°	20.5	21.9	24.3	20.9	15.8	15.4	15.4	8.7	980.4
60°	10.2	10.8	12.3	12.5	12.5	12.7	12.8	5.7	986.1
65°	6.7	7.2	8.3	9.2	10.0	10.4	10.3	4.4	990.5
70°	4.6	5.1	6.0	7.1	7.9	8.1	8.0	3.5	994.0
75°	2.8	3.4	4.4	5.4	5.9	6.0	5.9	2.6	996.6
80°	1.4	2.0	2.9	3.9	4.5	4.7	4.6	1.9	998.5
85°	0.6	1.1	1.6	2.5	3.0	3.0	2.8	1.2	999.7
90°	0.2	0.3	0.5	0.8	0.9	0.8	0.5	0.3	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	19,9	21,2	20,2	21,5	21,8	18,8	20,1	19,2	20,4	20,7
	3H	19,8	20,9	20,2	21,3	21,6	18,7	19,9	19,1	20,2	20,6
	4H	19,7	20,8	20,1	21,1	21,5	18,7	19,8	19,1	20,1	20,5
	6H	19,7	20,6	20,1	21,0	21,4	18,7	19,7	19,1	20,0	20,4
	8H	19,7	20,5	20,1	20,9	21,3	18,8	19,6	19,2	20,0	20,4
	12H	19,7	20,4	20,1	20,8	21,3	18,8	19,5	19,2	19,9	20,4
4H	2H	19,7	20,8	20,1	21,1	21,5	18,7	19,7	19,0	20,1	20,4
	3H	19,6	20,5	20,0	20,8	21,3	18,6	19,5	19,0	19,9	20,3
	4H	19,5	20,3	20,0	20,7	21,1	18,6	19,3	19,0	19,8	20,2
	6H	19,5	20,1	19,9	20,5	21,0	18,6	19,2	19,1	19,7	20,1
	8H	19,4	20,0	19,9	20,5	20,9	18,6	19,2	19,1	19,6	20,1
	12H	19,4	19,9	19,9	20,4	20,9	18,7	19,1	19,1	19,6	20,1
8H	4H	19,4	20,0	19,9	20,5	20,9	18,5	19,1	19,0	19,5	20,0
	6H	19,3	19,8	19,8	20,3	20,8	18,5	19,0	19,0	19,5	20,0
	8H	19,3	19,7	19,8	20,2	20,7	18,6	19,0	19,1	19,5	20,0
	12H	19,3	19,6	19,8	20,1	20,7	18,6	19,0	19,2	19,5	20,0
12H	4H	19,4	19,9	19,9	20,4	20,9	18,5	19,0	19,0	19,4	19,9
	6H	19,3	19,7	19,9	20,2	20,7	18,5	18,9	19,0	19,4	19,9
	8H	19,3	19,6	19,8	20,1	20,7	18,6	18,9	19,1	19,4	19,9

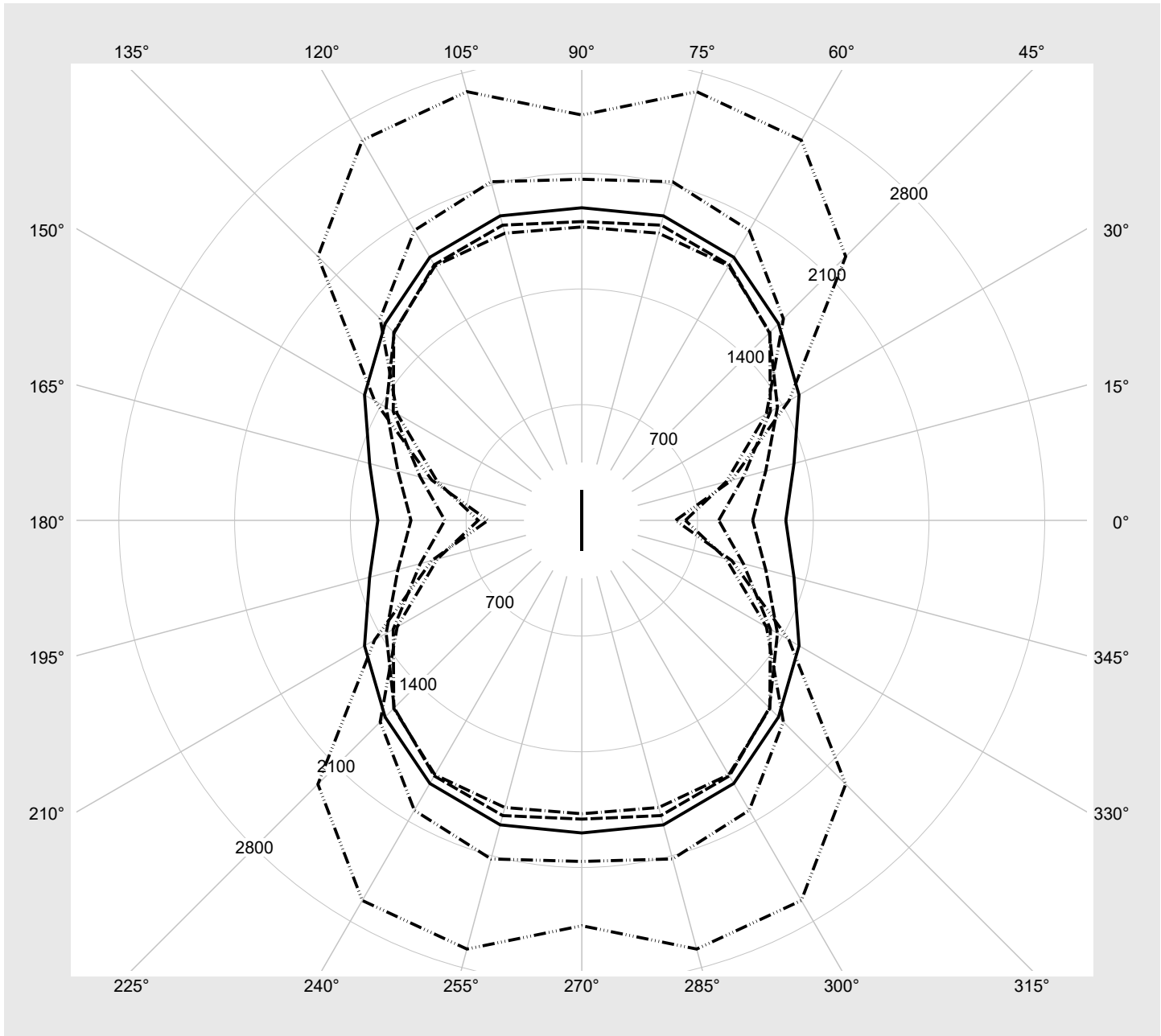
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1490 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		25588.3	25725.7	25725.7	25472.0	19920.8	14274.5	11261.0	
50°		11055.9	12422.6	10980.4	9639.1	7384.9	2797.3	2415.9	
55°		2772.5	2964.2	3284.8	2831.2	2143.0	2081.8	2079.1	
60°		1576.2	1670.3	1914.1	1940.9	1942.5	1978.4	1981.3	
65°		1233.9	1328.7	1517.4	1682.7	1838.1	1907.2	1891.2	
70°		1033.4	1151.7	1366.4	1604.8	1785.3	1849.0	1807.5	
75°		828.3	1011.6	1317.0	1608.6	1777.2	1798.5	1775.1	
80°		626.4	904.6	1289.5	1724.6	2025.5	2120.8	2063.5	
85°		567.5	939.0	1446.8	2257.5	2655.7	2685.1	2452.6	

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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

SITECO

DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
0	OFF	OFF	OFF	6710	37.8
1	ON	OFF	OFF	5690	31.8
2	OFF	ON	OFF	4730	26.2
4	OFF	OFF	ON	3920	21.7