

Lichttechnischer Prüfbefund

Familie
Modario® 31 Silica®



Bestell-Nr.: 51RY1TDB46C
EAN: 4058352068328

LP-Nummer
59587_1

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-DALI

Bemessungswerte
Nettolichtstrom = 6610 lm
Systemleistung = 38.1 W
Lichtausbeute = 173.5 lm/W

Seriendokumentation
11.04.2024

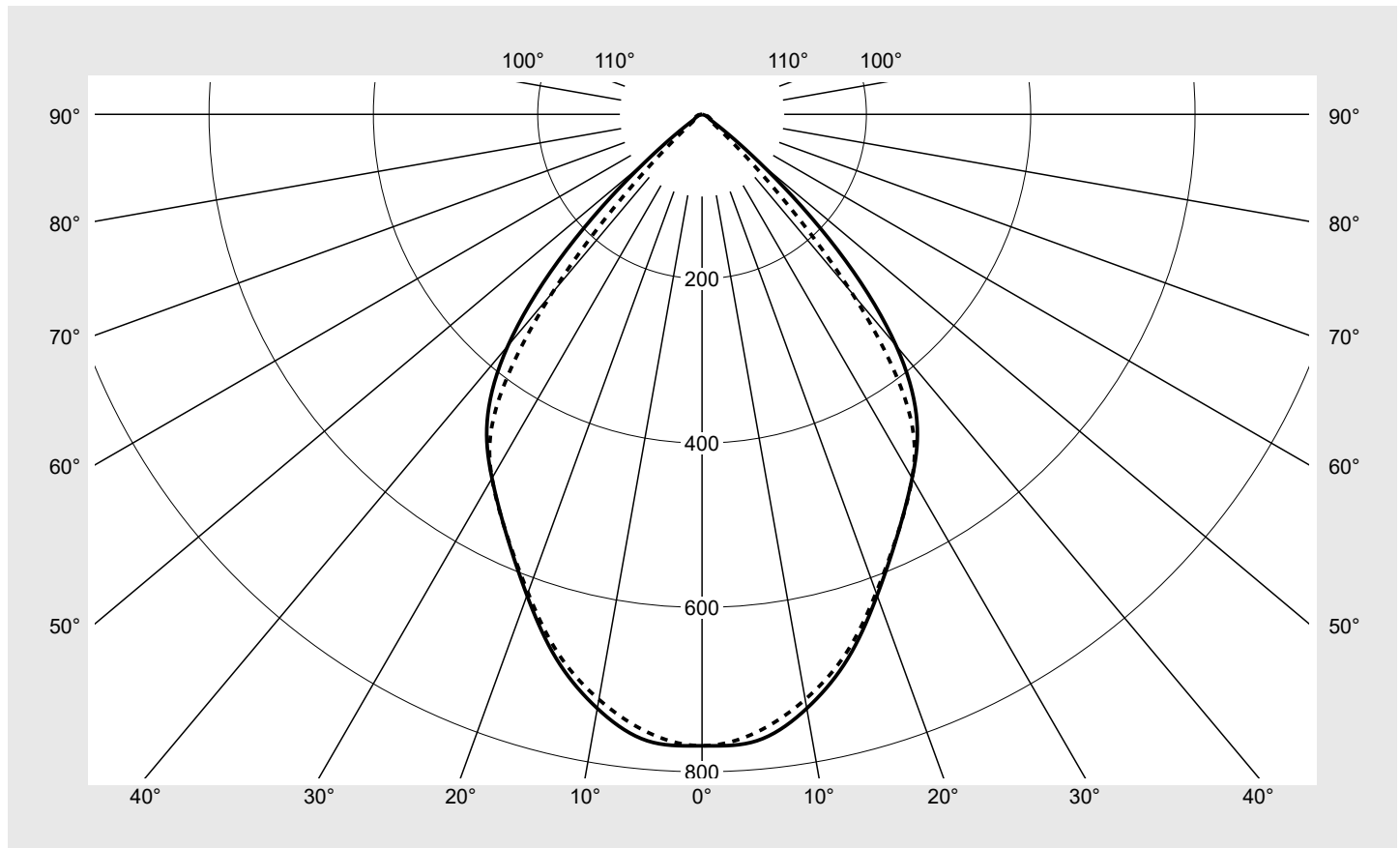
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Lichtstärke in cd/klm

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

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	19,8	21,1	20,2	21,5	21,8	18,8	20,1	19,1	20,4	20,7
	3H	19,7	20,9	20,1	21,2	21,6	18,7	19,8	19,1	20,2	20,5
	4H	19,7	20,7	20,1	21,1	21,4	18,7	19,7	19,1	20,1	20,5
	6H	19,6	20,6	20,0	20,9	21,3	18,7	19,6	19,1	20,0	20,4
	8H	19,7	20,5	20,1	20,9	21,3	18,7	19,6	19,1	19,9	20,3
	12H	19,6	20,4	20,1	20,8	21,2	18,7	19,5	19,1	19,9	20,3
4H	2H	19,6	20,7	20,0	21,1	21,4	18,6	19,7	19,0	20,0	20,4
	3H	19,5	20,4	20,0	20,8	21,2	18,5	19,4	19,0	19,8	20,2
	4H	19,5	20,2	19,9	20,6	21,1	18,5	19,3	19,0	19,7	20,1
	6H	19,4	20,1	19,9	20,5	21,0	18,5	19,2	19,0	19,6	20,1
	8H	19,4	20,0	19,8	20,4	20,9	18,6	19,1	19,0	19,6	20,1
	12H	19,4	19,8	19,9	20,3	20,8	18,6	19,1	19,1	19,6	20,1
8H	4H	19,4	20,0	19,8	20,4	20,9	18,4	19,0	18,9	19,5	20,0
	6H	19,3	19,8	19,8	20,3	20,8	18,5	19,0	19,0	19,4	19,9
	8H	19,2	19,7	19,8	20,2	20,7	18,5	18,9	19,0	19,4	19,9
	12H	19,2	19,6	19,8	20,1	20,6	18,6	18,9	19,1	19,4	20,0
12H	4H	19,4	19,9	19,9	20,3	20,8	18,4	18,9	18,9	19,4	19,9
	6H	19,3	19,7	19,8	20,2	20,7	18,5	18,9	19,0	19,3	19,9
	8H	19,2	19,6	19,8	20,1	20,6	18,5	18,8	19,0	19,4	19,9

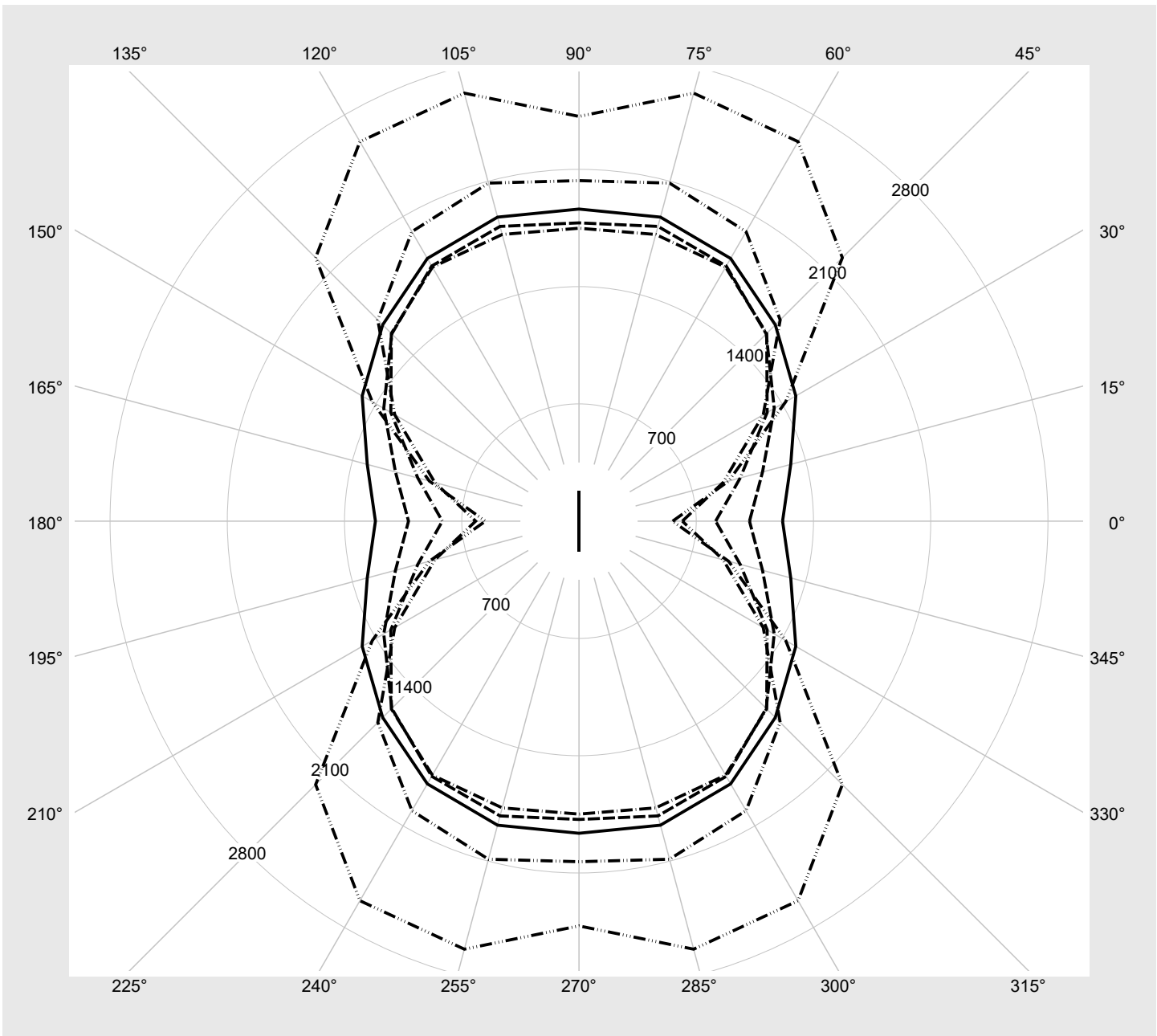
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1490 B = 58
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C-Ebenen	γ	Leuchtdichte in cd/m ²								
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°		
45°		25206.9	25342.3	25342.3	25092.4	19623.9	14061.7	11093.1		
50°		10891.1	12237.4	10816.8	9495.5	7274.8	2755.6	2379.9		
55°		2731.2	2920.0	3235.9	2789.0	2111.1	2050.8	2048.1		
60°		1552.7	1645.4	1885.6	1912.0	1913.5	1948.9	1951.8		
65°		1215.5	1308.9	1494.7	1657.6	1810.7	1878.8	1863.0		
70°		1018.0	1134.5	1346.0	1580.9	1758.6	1821.5	1780.6		
75°		815.9	996.5	1297.3	1584.6	1750.7	1771.7	1748.6		
80°		617.1	891.1	1270.3	1698.9	1995.3	2089.2	2032.8		
85°		559.0	925.0	1425.2	2223.8	2616.1	2645.1	2416.0		

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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	4		
2	OFF	ON	OFF	OFF	6610	38.1
3	ON	ON	OFF	OFF	6170	35.4
4	OFF	OFF	ON	OFF	5710	32.7
5	ON	OFF	ON	OFF	5270	30.1
6	OFF	ON	ON	OFF	4830	27.5
7	ON	ON	ON	OFF	4270	24.4
8	OFF	OFF	OFF	ON	3780	21.7
9	ON	OFF	OFF	ON	3300	18.9
10	OFF	ON	OFF	ON	2910	16.6
11	ON	ON	OFF	ON	2450	14.0
12	OFF	OFF	ON	ON	2010	11.5
13	ON	OFF	ON	ON	1720	9.8