

Lichttechnischer Prüfbefund

Familie
Modario® 31

Bestell-Nr.: 51SM1H7C34A
EAN: 4058352755136

LP-Nummer
59467_1

Ausführung Reflektor, Abdeckung, PC, Wallwasher
Bestückung LED 3000 K | CRI ≥ 90
Betriebsgerät EVG-Multilumen
Einstellung Werkseinstellung: DIP-Stufe=0
Bemessungswerte Nettolichtstrom = 4190 lm
Systemleistung = 28.9 W
Lichtausbeute = 145 lm/W

Seriendokumentation
09.08.2023

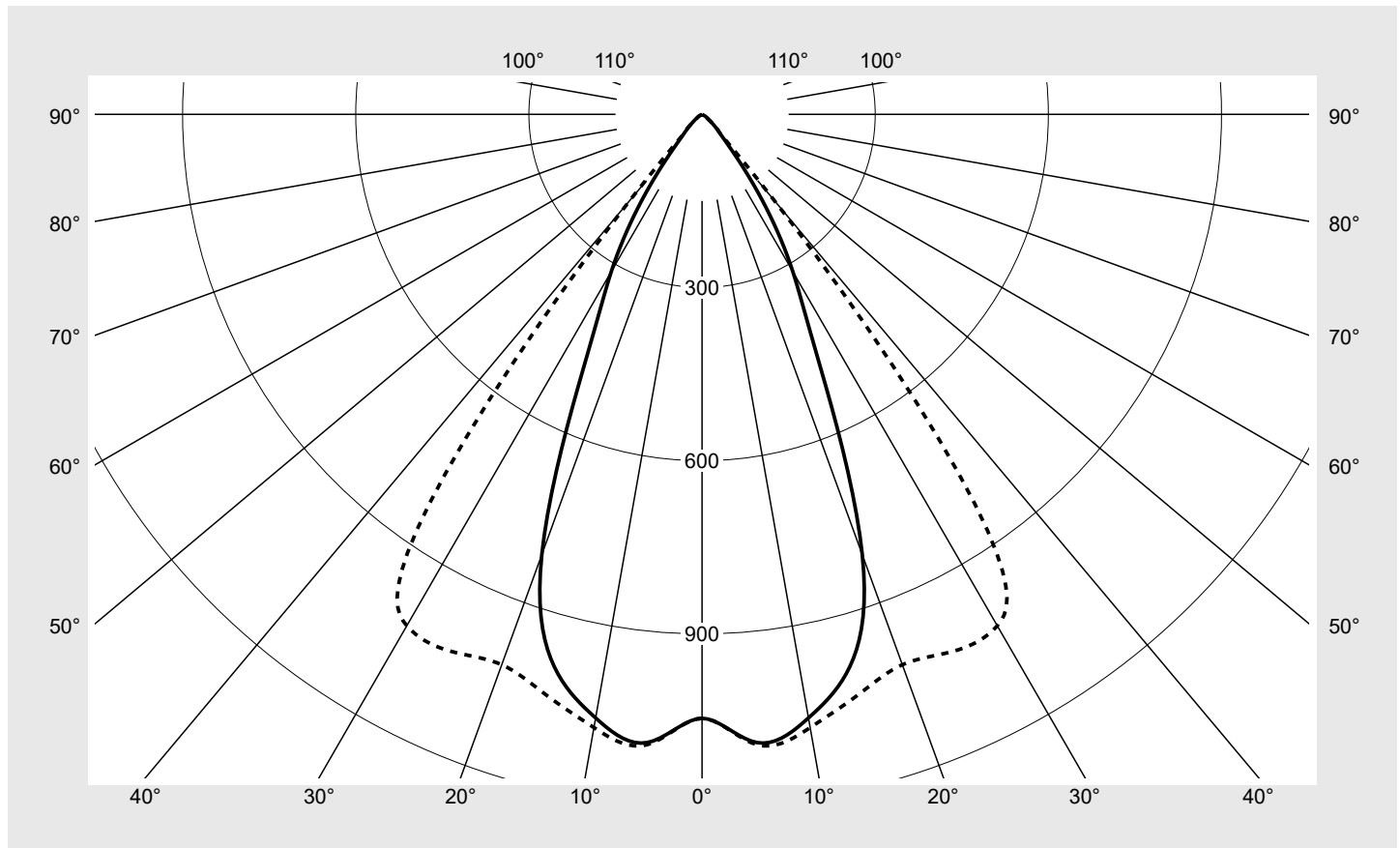
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1096 cd/klm



Klassifizierungen

DIN 5040 A 7 0
CIE N1=96 N2=100 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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	1046.4	1046.4	1046.4	1046.4	1046.4	1046.4	1046.4	6.3	6.3
5°	1092.5	1046.1	999.6	1024.7	1049.5	1073.1	1096.3	50.1	56.3
10°	1061.8	1001.9	942.1	969.7	999.7	1038.1	1078.8	95.5	151.8
15°	990.1	934.9	879.6	904.3	934.8	985.4	1041.7	133.7	285.6
20°	811.7	778.7	745.6	815.9	885.1	950.4	1014.6	159.0	444.6
25°	488.0	484.9	481.8	681.5	858.1	954.0	1026.8	162.8	607.4
30°	314.5	303.3	292.0	575.7	822.7	941.2	1023.0	164.6	772.0
35°	182.3	202.9	223.6	436.7	626.9	737.1	824.4	143.1	915.1
40°	75.3	74.5	73.6	179.9	286.2	239.7	193.2	58.0	973.1
45°	37.6	33.9	30.3	33.0	35.6	37.7	39.8	13.5	986.6
50°	20.2	17.0	14.2	12.1	10.3	14.0	17.7	6.1	992.7
55°	10.9	8.7	6.7	5.4	4.4	7.0	9.7	3.2	995.9
60°	5.9	4.5	3.1	2.7	2.4	4.2	6.1	1.8	997.7
65°	3.2	2.3	1.4	1.4	1.4	2.7	4.1	1.1	998.7
70°	1.8	1.2	0.6	0.8	0.9	1.9	2.8	0.7	999.4
75°	0.9	0.6	0.3	0.4	0.5	1.2	1.9	0.4	999.8
80°	0.5	0.2	0.0	0.1	0.2	0.6	1.0	0.2	1000.0
85°	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	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	18,1	19,3	18,5	19,6	19,9	25,5	26,7	25,8	27,0	27,3
	3H	18,0	19,0	18,4	19,3	19,7	25,4	26,4	25,8	26,7	27,1
	4H	17,9	18,8	18,3	19,2	19,6	25,3	26,2	25,7	26,6	26,9
	6H	17,8	18,7	18,2	19,0	19,4	25,2	26,0	25,7	26,4	26,8
	8H	17,8	18,6	18,2	19,0	19,4	25,3	26,0	25,8	26,4	26,8
	12H	17,8	18,5	18,2	18,9	19,3	25,3	25,9	25,8	26,3	26,7
4H	2H	17,9	18,8	18,3	19,2	19,6	25,2	26,2	25,6	26,6	26,9
	3H	17,7	18,5	18,2	18,9	19,3	25,1	25,9	25,5	26,2	26,7
	4H	17,6	18,3	18,1	18,7	19,2	25,0	25,7	25,4	26,1	26,5
	6H	17,5	18,1	18,0	18,6	19,0	24,9	25,5	25,4	25,9	26,4
	8H	17,5	18,0	18,0	18,5	18,9	24,9	25,4	25,4	25,8	26,3
	12H	17,5	17,9	18,0	18,4	18,9	24,9	25,3	25,4	25,7	26,2
8H	4H	17,5	18,0	18,0	18,5	18,9	24,8	25,4	25,3	25,8	26,3
	6H	17,4	17,8	17,9	18,3	18,8	24,8	25,2	25,3	25,6	26,2
	8H	17,3	17,7	17,8	18,2	18,7	24,7	25,0	25,2	25,5	26,1
	12H	17,3	17,6	17,8	18,1	18,6	24,7	24,9	25,2	25,4	26,0
12H	4H	17,5	17,9	18,0	18,4	18,9	24,8	25,3	25,3	25,7	26,2
	6H	17,4	17,7	17,9	18,2	18,7	24,7	25,0	25,2	25,5	26,1
	8H	17,3	17,6	17,8	18,1	18,6	24,6	24,9	25,2	25,4	26,0

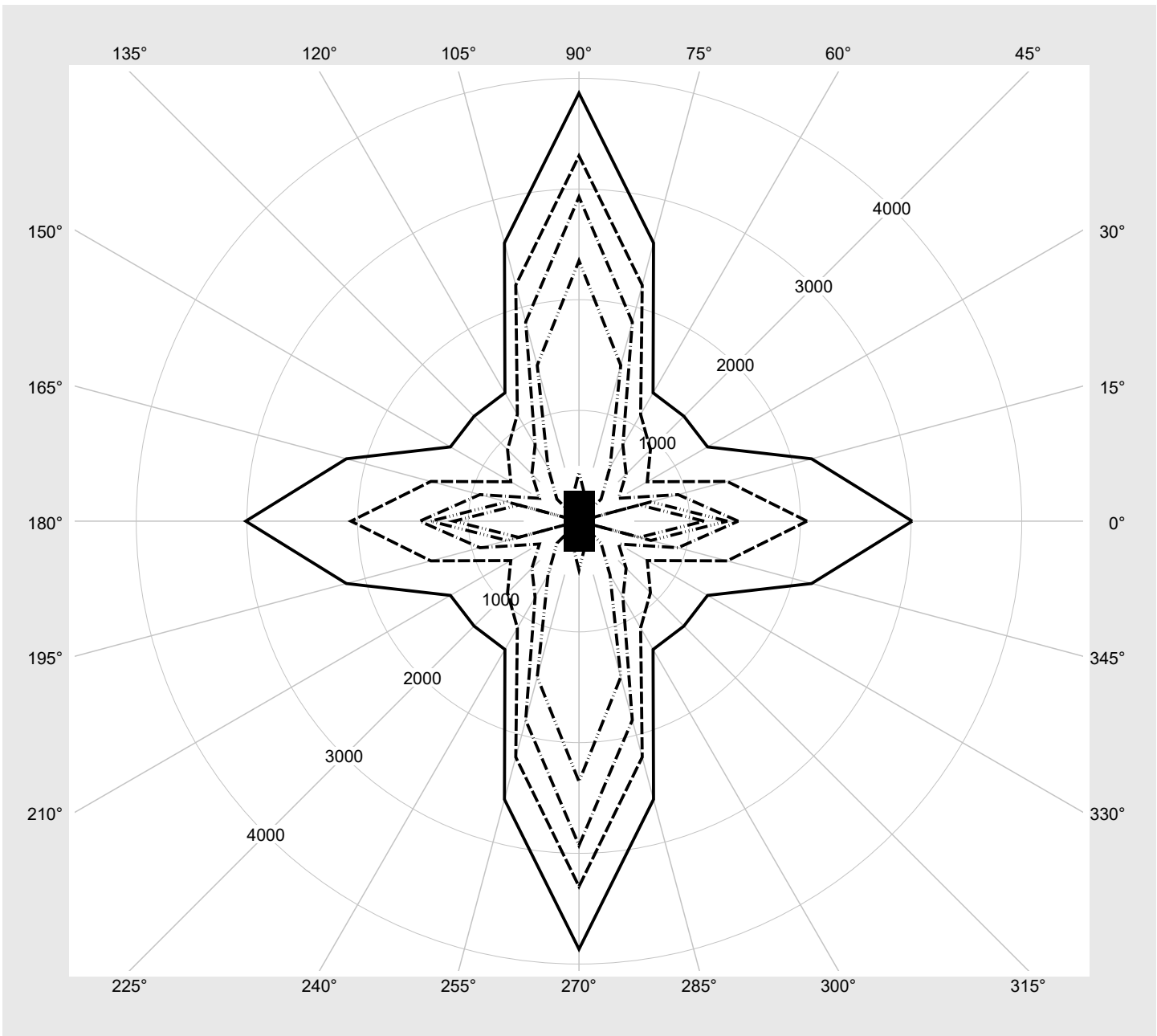
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 149 B = 70
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C- Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		21363.2	19277.7	17192.6	18731.7	20204.3	21444.5	22618.8
50°		12610.1	10655.2	8847.8	7559.1	6417.2	8752.1	11086.4
55°		7613.2	6077.3	4686.3	3808.7	3076.8	4928.6	6779.8
60°		4739.6	3610.7	2481.9	2196.6	1911.4	3386.5	4861.7
65°		3010.4	2175.8	1341.2	1340.3	1338.4	2601.7	3865.9
70°		2060.2	1386.0	711.8	912.6	1113.5	2207.0	3299.4
75°		1438.8	926.6	412.9	602.2	793.1	1861.0	2928.9
80°		1131.3	564.5	0.0	282.2	559.9	1457.5	2352.8
85°		1341.3	673.0	0.0	0.0	0.0	221.2	442.5

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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



DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
7	ON	ON	ON	5950	42.7
6	OFF	ON	ON	5780	41.3
5	ON	OFF	ON	5450	38.6
4	OFF	OFF	ON	5200	36.6
3	ON	ON	OFF	4950	34.6
2	OFF	ON	OFF	4700	32.6
1	ON	OFF	OFF	4440	30.6
0	OFF	OFF	OFF	4190	28.9