

Lichttechnischer Prüfbefund

Familie
Modario® 31

Bestell-Nr.: 53BM81271V6080
EAN: 4058352434550

LP-Nummer
59062_7



Ausführung Diffusoroptik, satiniert, breit strahlend
Bestückung LED 6500 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 7820 lm
Systemleistung = 50.8 W
Lichtausbeute = 153.9 lm/W

Seriendokumentation
01.09.2020

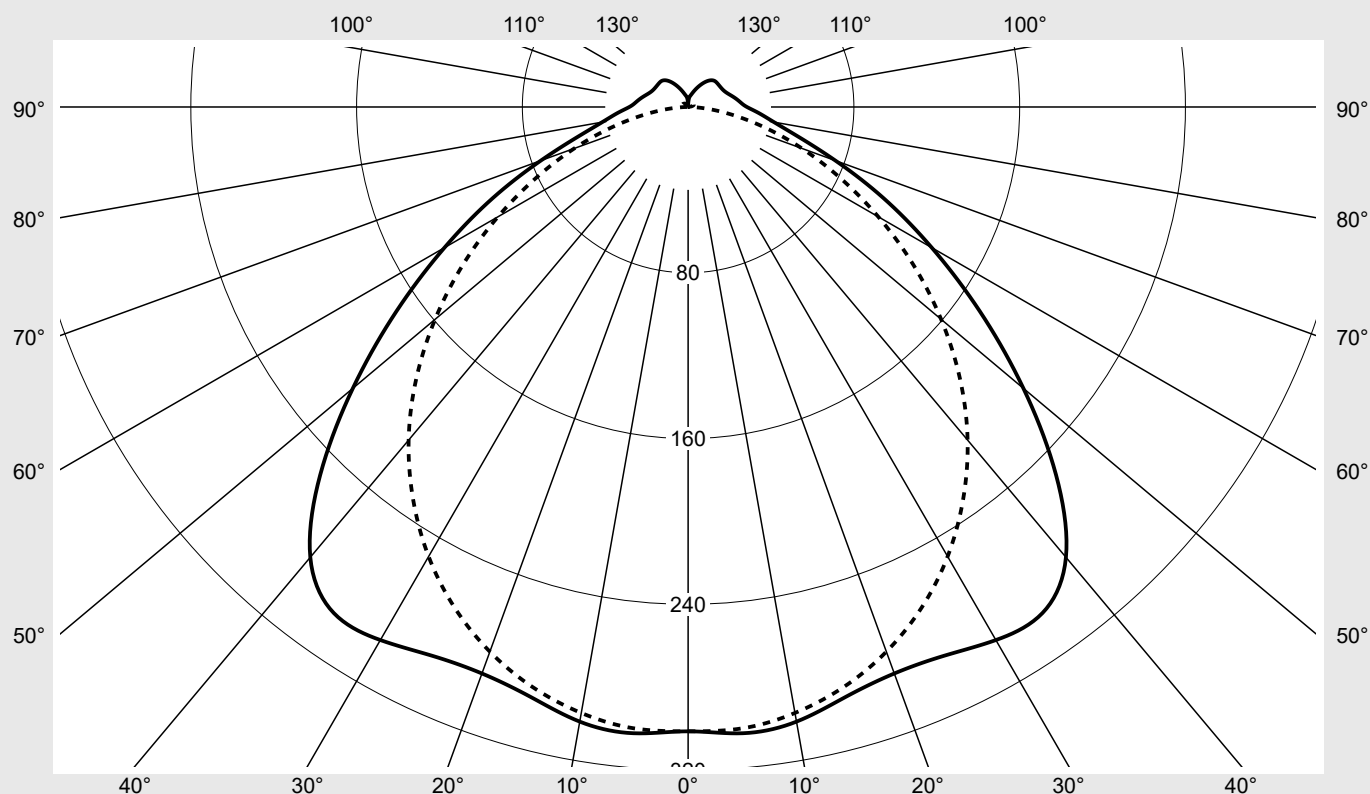
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 303 cd/klm



Klassifizierungen

DIN 5040 A 4 1
CIE N1=47 N2=80 N3=95
N4=92 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 92,2%
 ϕ_o 7,8%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	301.3	301.3	301.3	301.3	301.3	301.3	301.3	1.8	1.8
5°	303.4	302.1	299.8	300.7	301.4	300.9	301.0	14.4	16.2
10°	301.2	300.2	298.0	298.8	298.8	297.4	296.9	28.4	44.6
15°	294.6	294.0	291.7	292.8	293.3	291.0	289.8	41.5	86.1
20°	290.9	289.9	285.2	284.3	284.4	281.8	279.7	53.5	139.6
25°	292.2	290.5	282.4	276.3	273.3	269.6	266.6	64.5	204.1
30°	297.0	294.4	282.2	270.2	261.0	254.7	250.5	74.7	278.9
35°	298.1	296.1	282.7	264.8	248.2	237.3	231.4	83.5	362.4
40°	283.7	283.9	275.8	257.5	234.7	217.8	209.8	89.0	451.4
45°	251.1	253.7	254.1	243.4	219.0	195.8	185.6	89.4	540.8
50°	211.2	214.3	220.3	219.1	199.3	172.1	159.4	84.7	625.6
55°	171.8	174.4	181.0	185.6	174.0	146.8	132.6	75.9	701.4
60°	135.8	137.5	141.9	147.8	143.1	120.2	106.0	64.2	765.6
65°	104.0	105.0	107.3	111.5	110.8	93.7	80.9	51.4	817.0
70°	75.7	76.6	78.0	80.9	80.7	68.8	58.4	38.8	855.8
75°	54.8	55.1	55.5	57.1	55.6	46.5	38.4	27.9	883.8
80°	42.1	41.7	40.7	39.3	35.7	27.8	21.5	19.5	903.3
85°	34.4	33.7	31.6	27.6	21.5	14.0	8.7	13.6	916.9
90°	28.4	27.8	25.3	20.0	13.0	5.8	0.9	9.7	926.7
95°	25.4	25.0	23.0	18.3	11.9	5.4	1.0	8.8	935.5
100°	23.4	22.9	21.1	17.1	11.7	5.5	1.6	8.2	943.6
105°	21.5	21.0	19.3	16.3	11.6	5.9	2.4	7.6	951.2
110°	19.9	19.3	18.1	15.8	11.8	6.2	2.9	7.1	958.3
115°	18.9	18.3	17.5	15.6	12.1	6.6	3.0	6.7	965.0
120°	18.4	17.9	17.3	15.6	12.2	6.6	2.9	6.4	971.4
125°	18.2	17.7	17.1	15.5	11.8	6.5	2.7	5.9	977.3
130°	18.1	17.6	16.9	14.9	10.9	6.2	2.5	5.4	982.7
135°	17.9	17.2	16.1	13.6	9.8	5.6	2.4	4.7	987.4
140°	16.8	15.9	14.5	11.9	8.4	5.0	2.1	3.8	991.2
145°	14.9	14.0	12.6	10.1	6.8	4.5	2.0	3.0	994.1
150°	12.5	11.8	10.5	7.9	5.6	4.1	1.8	2.2	996.3
155°	10.2	9.6	8.3	6.3	5.0	3.7	1.7	1.5	997.8
160°	8.1	7.6	6.2	5.1	4.6	3.6	1.5	1.0	998.8
165°	6.4	6.1	4.7	4.5	4.0	4.8	1.5	0.7	999.5
170°	5.3	4.3	3.8	4.0	3.9	3.9	1.5	0.4	999.8
175°	3.8	3.2	4.6	4.9	4.0	2.2	1.5	0.2	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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	21,9	23,6	22,3	23,9	24,3	21,8	23,4	22,1	23,8	24,1
	3H	22,9	24,4	23,3	24,8	25,1	22,9	24,4	23,3	24,8	25,1
	4H	23,3	24,7	23,7	25,1	25,4	23,3	24,8	23,7	25,1	25,5
	6H	23,6	24,9	24,0	25,3	25,7	23,6	24,9	24,0	25,3	25,7
	8H	23,8	25,0	24,2	25,4	25,8	23,7	25,0	24,1	25,3	25,7
	12H	24,0	25,1	24,4	25,5	25,9	23,7	24,9	24,2	25,3	25,7
4H	2H	22,6	24,0	23,0	24,4	24,8	22,5	23,9	22,9	24,3	24,6
	3H	23,7	24,9	24,1	25,3	25,7	23,8	25,1	24,3	25,4	25,9
	4H	24,2	25,3	24,6	25,7	26,1	24,4	25,5	24,8	25,9	26,3
	6H	24,6	25,6	25,1	26,0	26,5	24,7	25,7	25,2	26,1	26,6
	8H	24,8	25,7	25,3	26,2	26,6	24,9	25,7	25,3	26,2	26,7
	12H	25,1	25,9	25,6	26,3	26,8	24,9	25,7	25,4	26,2	26,7
8H	4H	24,4	25,3	24,9	25,8	26,3	24,6	25,5	25,1	25,9	26,4
	6H	25,0	25,8	25,5	26,2	26,7	25,1	25,9	25,6	26,3	26,8
	8H	25,3	26,0	25,8	26,5	27,0	25,3	26,0	25,8	26,4	27,0
	12H	25,7	26,2	26,2	26,7	27,3	25,4	26,0	26,0	26,5	27,0
12H	4H	24,5	25,3	25,0	25,7	26,2	24,7	25,5	25,2	25,9	26,4
	6H	25,1	25,7	25,6	26,2	26,7	25,2	25,8	25,7	26,3	26,8
	8H	25,4	26,0	26,0	26,5	27,0	25,4	26,0	25,9	26,5	27,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1476 B = 75	H(C0) = 25	H(C180) = 25	H(C90) = 0	H(C270) = 0
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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°		18814.7	19170.3	19699.8	19674.5	18752.0	18005.9	18538.8	
50°		16614.4	17024.0	18012.2	18797.6	18271.9	17146.6	17516.3	
55°		14337.3	14713.1	15782.8	17106.1	17305.3	16095.1	16334.9	
60°		12163.1	12467.2	13369.0	14830.5	15689.2	14773.0	14973.3	
65°		10138.4	10387.0	11075.2	12380.2	13644.2	13215.8	13528.9	
70°		8156.1	8394.8	8984.8	10142.4	11439.5	11486.2	12071.3	
75°		6663.3	6829.3	7297.5	8284.0	9362.1	9594.9	10493.6	
80°		5921.2	6000.6	6285.9	6833.6	7475.0	7594.9	8764.3	
85°		5788.2	5836.2	5953.9	6044.7	5996.4	5722.7	7064.5	

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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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