

Lichttechnischer Prüfbefund

Familie
Mira® 21

Bestell-Nr.: 51FR427A462A
EAN: 4058352672389

LP-Nummer
59365_3



Ausführung Reinraumleuchte, quadratisch M625, Reflektor, seidenmatt, Abdeckscheibe, PMMA, extrem breit strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG

Bemessungswerte Nettolichtstrom = 6420 lm
Systemleistung = 53.0 W
Lichtausbeute = 121.1 lm/W

Seriendokumentation
21.12.2022

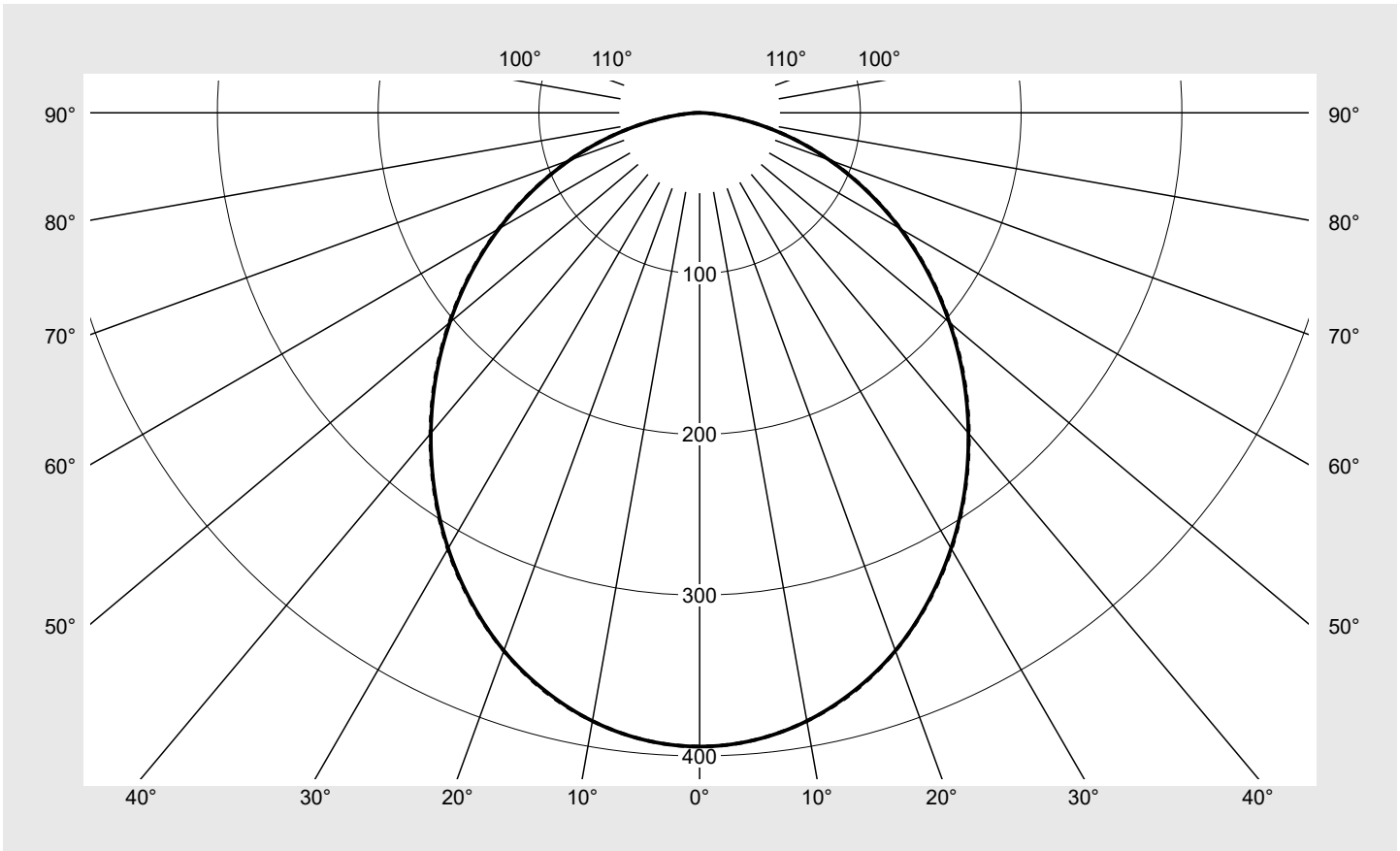
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 394 cd/klm



Klassifizierungen

DIN 5040 A 4 0
CIE N1=50 N2=81 N3=96
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°	394.2	394.2	394.2	394.2	394.2	394.2	394.2	2.4	2.4	2.4
5°	391.6	391.5	391.5	391.6	391.7	391.5	391.6	18.7	21.1	21.1
10°	384.1	384.1	384.1	384.3	384.3	383.9	384.1	36.6	57.6	57.6
15°	372.0	372.1	372.1	372.2	372.3	372.1	372.5	52.8	110.4	110.4
20°	356.0	356.1	356.1	356.1	356.2	355.9	356.1	66.8	177.2	177.2
25°	335.9	336.0	336.0	336.2	336.2	336.0	336.2	77.9	255.0	255.0
30°	312.9	312.9	313.1	313.2	313.4	313.2	313.3	85.8	340.9	340.9
35°	287.4	287.5	287.6	287.7	287.9	287.7	287.8	90.4	431.3	431.3
40°	260.1	260.2	260.3	260.5	260.7	260.4	260.6	91.7	523.0	523.0
45°	231.9	232.0	232.2	232.4	232.5	232.4	232.5	90.0	613.1	613.1
50°	202.8	202.9	203.0	203.1	203.3	203.3	203.4	85.3	698.4	698.4
55°	173.5	173.5	173.6	173.8	174.0	174.0	174.1	78.0	776.4	776.4
60°	144.0	144.0	144.1	144.1	144.3	144.4	144.5	68.4	844.9	844.9
65°	114.5	114.6	114.6	114.8	114.9	114.9	115.0	57.0	901.9	901.9
70°	85.9	85.8	85.8	85.9	86.1	86.1	86.1	44.3	946.1	946.1
75°	57.7	57.7	57.7	57.7	57.8	57.9	58.0	30.6	976.7	976.7
80°	31.6	31.6	31.6	31.6	31.7	31.7	31.7	17.1	993.8	993.8
85°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	5.8	999.6	999.6
90°	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.4	1000.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	19,2	20,9	19,6	21,2	21,5	19,3	20,9	19,6	21,2	21,5
	3H	20,7	22,2	21,1	22,5	22,9	20,7	22,2	21,1	22,6	22,9
	4H	21,3	22,7	21,7	23,0	23,4	21,3	22,7	21,7	23,0	23,4
	6H	21,7	22,9	22,1	23,3	23,7	21,7	23,0	22,1	23,3	23,7
	8H	21,8	23,0	22,2	23,4	23,8	21,8	23,0	22,2	23,4	23,8
	12H	21,8	23,0	22,3	23,4	23,8	21,9	23,0	22,3	23,4	23,8
4H	2H	20,0	21,4	20,4	21,7	22,1	20,0	21,4	20,4	21,7	22,1
	3H	21,6	22,8	22,0	23,2	23,6	21,6	22,8	22,0	23,2	23,6
	4H	22,3	23,3	22,7	23,8	24,2	22,3	23,4	22,7	23,8	24,2
	6H	22,7	23,7	23,2	24,1	24,6	22,8	23,7	23,2	24,1	24,6
	8H	22,9	23,7	23,4	24,2	24,7	22,9	23,8	23,4	24,2	24,7
	12H	23,0	23,7	23,5	24,2	24,7	23,0	23,7	23,5	24,2	24,7
8H	4H	22,6	23,4	23,0	23,9	24,3	22,6	23,4	23,1	23,9	24,3
	6H	23,1	23,8	23,6	24,3	24,8	23,2	23,9	23,6	24,3	24,8
	8H	23,3	23,9	23,8	24,4	24,9	23,3	24,0	23,8	24,4	25,0
	12H	23,4	24,0	24,0	24,5	25,0	23,5	24,0	24,0	24,5	25,0
12H	4H	22,6	23,4	23,1	23,8	24,3	22,6	23,4	23,1	23,8	24,3
	6H	23,2	23,8	23,7	24,3	24,8	23,2	23,8	23,7	24,3	24,8
	8H	23,4	23,9	23,9	24,4	25,0	23,4	23,9	23,9	24,4	25,0

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	
		L = 511	B = 511

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°		8064.5	8067.3	8073.2	8079.4	8085.7	8080.8	8085.3	
50°		7758.5	7759.7	7764.3	7769.2	7776.5	7776.1	7781.1	
55°		7438.6	7437.3	7441.1	7449.3	7459.1	7457.9	7463.0	
60°		7080.3	7080.8	7083.8	7087.2	7098.0	7100.0	7103.9	
65°		6663.7	6666.6	6667.2	6675.9	6684.0	6685.2	6691.0	
70°		6172.6	6169.7	6170.4	6176.9	6187.0	6188.4	6191.3	
75°		5479.5	5477.6	5477.6	5483.3	5492.8	5497.5	5505.1	
80°		4472.0	4473.4	4472.0	4476.3	4483.3	4489.0	4494.7	
85°		2984.0	2984.0	2984.0	2986.8	2992.5	2992.5	2998.1	

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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