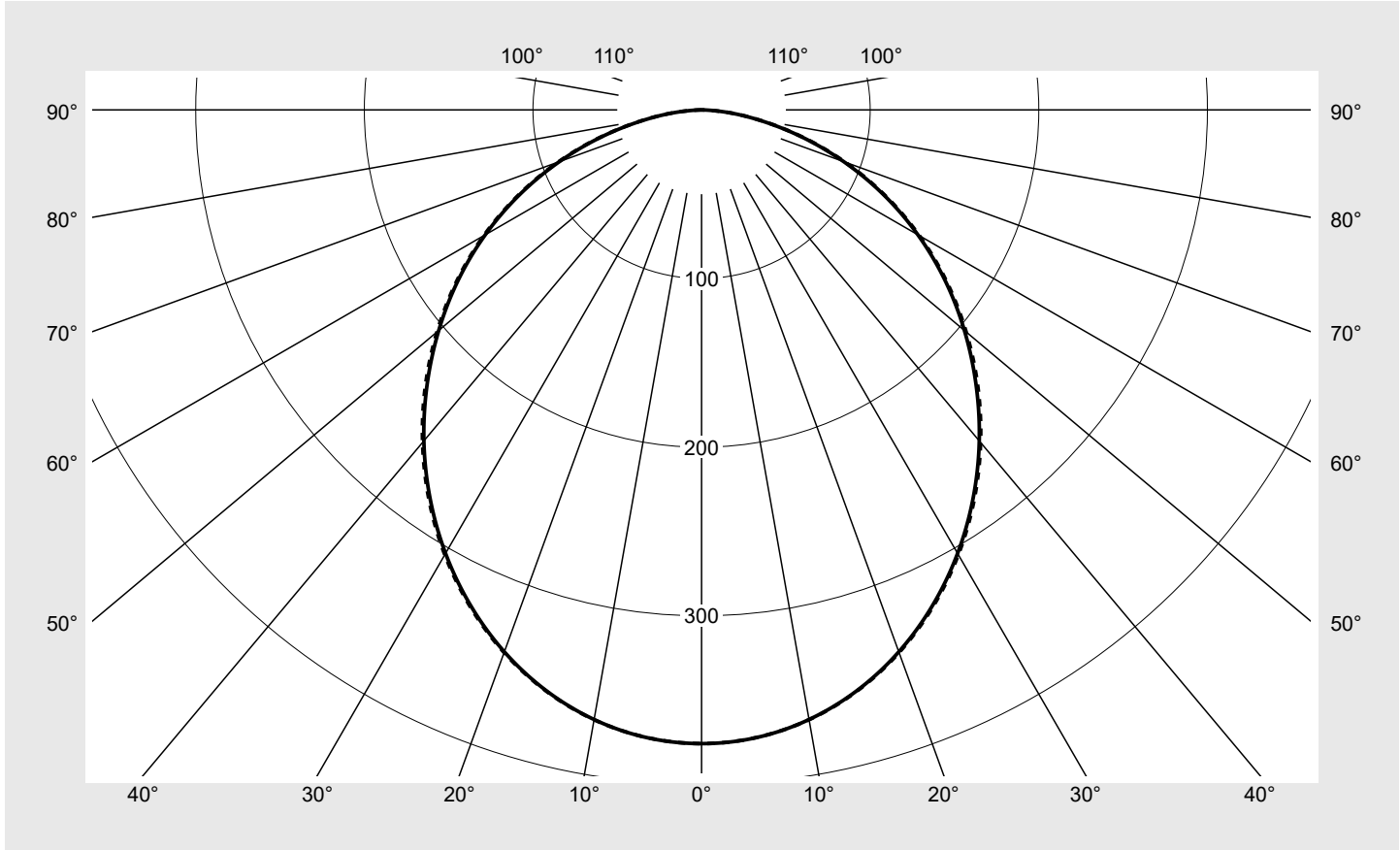


Photometric test report

Family Round 21 M	Order number: 51MR36FM8321B EAN: 4058352829899	LP number 59512_9
	Version surface-mounted and suspended luminaire, cover, opal, PMMA, symmetric extremely wide distribution, direct distribution, aluminium housing, black	serial documentation 29.11.2023
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG Multilumen Rated values Net luminous flux = 7770 lm Power consumption = 61.1 W Luminous efficacy = 127.2 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 376 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=49 N2=80 N3=96 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Round 21 M	Order number: 51MR36FM8321B EAN: 4058352829899	LP number 59512_9
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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	375.8	375.8	375.8	375.8	375.8	375.8	375.8	2.2	2.2
5°	373.6	373.6	373.6	373.6	373.7	373.6	373.6	17.8	20.1
10°	367.1	367.0	367.1	367.1	367.2	367.1	367.2	34.9	55.0
15°	356.4	356.5	356.5	356.7	356.7	356.7	356.7	50.6	105.6
20°	342.0	342.1	342.1	342.4	342.4	342.5	342.5	64.2	169.8
25°	324.2	324.6	324.4	324.9	324.8	325.3	324.9	75.2	245.0
30°	303.7	304.3	303.9	304.6	304.5	305.2	304.6	83.4	328.5
35°	280.8	281.7	281.1	282.4	281.8	282.9	282.0	88.6	417.1
40°	256.2	257.4	256.5	258.0	257.2	258.5	257.4	90.7	507.8
45°	230.2	231.7	230.5	232.2	231.4	232.8	231.7	89.8	597.5
50°	203.5	204.9	203.8	205.4	204.7	206.0	204.9	86.0	683.6
55°	176.3	177.6	175.5	178.1	177.3	178.7	177.4	79.6	763.2
60°	148.1	149.5	147.4	150.0	149.0	150.6	149.2	70.8	834.0
65°	119.2	120.8	118.4	121.2	120.0	121.6	120.1	59.7	893.7
70°	89.7	91.5	88.8	91.9	90.4	92.3	90.6	46.8	940.5
75°	60.9	62.5	60.0	63.4	61.5	63.0	61.6	32.8	973.3
80°	34.5	35.9	33.5	36.8	35.0	36.0	35.0	19.1	992.4
85°	13.2	14.6	12.4	14.8	13.6	14.5	13.7	7.6	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Round 21 M	Order number: 51MR36FM8321B EAN: 4058352829899	LP number 59512_9
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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	19.8	21.5	20.2	21.8	22.2	19.9	21.6	20.3	21.9	22.2
	3H	21.4	22.9	21.8	23.3	23.6	21.5	23.0	21.8	23.3	23.7
	4H	22.0	23.4	22.4	23.8	24.2	22.1	23.5	22.5	23.8	24.2
	6H	22.4	23.7	22.8	24.1	24.5	22.5	23.8	22.9	24.2	24.6
	8H	22.6	23.8	23.0	24.2	24.6	22.7	23.9	23.1	24.3	24.7
	12H	22.7	23.8	23.1	24.2	24.6	22.7	23.9	23.2	24.3	24.7
4H	2H	20.6	22.0	21.0	22.4	22.7	20.6	22.1	21.0	22.4	22.8
	3H	22.3	23.5	22.7	23.9	24.3	22.4	23.6	22.8	24.0	24.4
	4H	23.0	24.1	23.5	24.5	25.0	23.1	24.2	23.5	24.6	25.0
	6H	23.6	24.5	24.0	24.9	25.4	23.6	24.6	24.1	25.0	25.5
	8H	23.7	24.6	24.2	25.0	25.5	23.8	24.7	24.3	25.1	25.6
	12H	23.9	24.6	24.3	25.1	25.6	23.9	24.7	24.4	25.2	25.6
8H	4H	23.4	24.2	23.8	24.7	25.1	23.4	24.3	23.9	24.7	25.2
	6H	24.0	24.7	24.5	25.2	25.7	24.0	24.8	24.5	25.2	25.7
	8H	24.2	24.8	24.7	25.3	25.8	24.3	24.9	24.8	25.4	25.9
	12H	24.4	24.9	24.9	25.4	26.0	24.5	25.0	25.0	25.5	26.0
12H	4H	23.4	24.2	23.9	24.6	25.1	23.5	24.2	23.9	24.7	25.2
	6H	24.1	24.7	24.6	25.2	25.7	24.1	24.7	24.6	25.2	25.7
	8H	24.3	24.8	24.8	25.3	25.9	24.4	24.9	24.9	25.4	25.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 590
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		9251.6	9314.2	9265.3	9332.3	9299.9	9355.5	9312.8
50°		8997.0	9061.0	9011.5	9081.9	9048.8	9109.5	9057.5
55°		8734.6	8801.0	8697.7	8825.0	8783.0	8853.9	8791.6
60°		8419.7	8499.9	8375.6	8527.8	8469.8	8559.1	8479.7
65°		8015.6	8120.8	7958.9	8147.5	8066.8	8177.4	8077.9
70°		7455.8	7607.0	7381.5	7635.3	7513.4	7666.4	7525.7
75°		6692.4	6865.0	6590.2	6966.5	6757.3	6919.5	6766.1
80°		5645.8	5867.9	5484.4	6023.2	5720.4	5892.4	5733.5
85°		4310.2	4764.1	4047.4	4817.9	4440.6	4742.9	4470.0

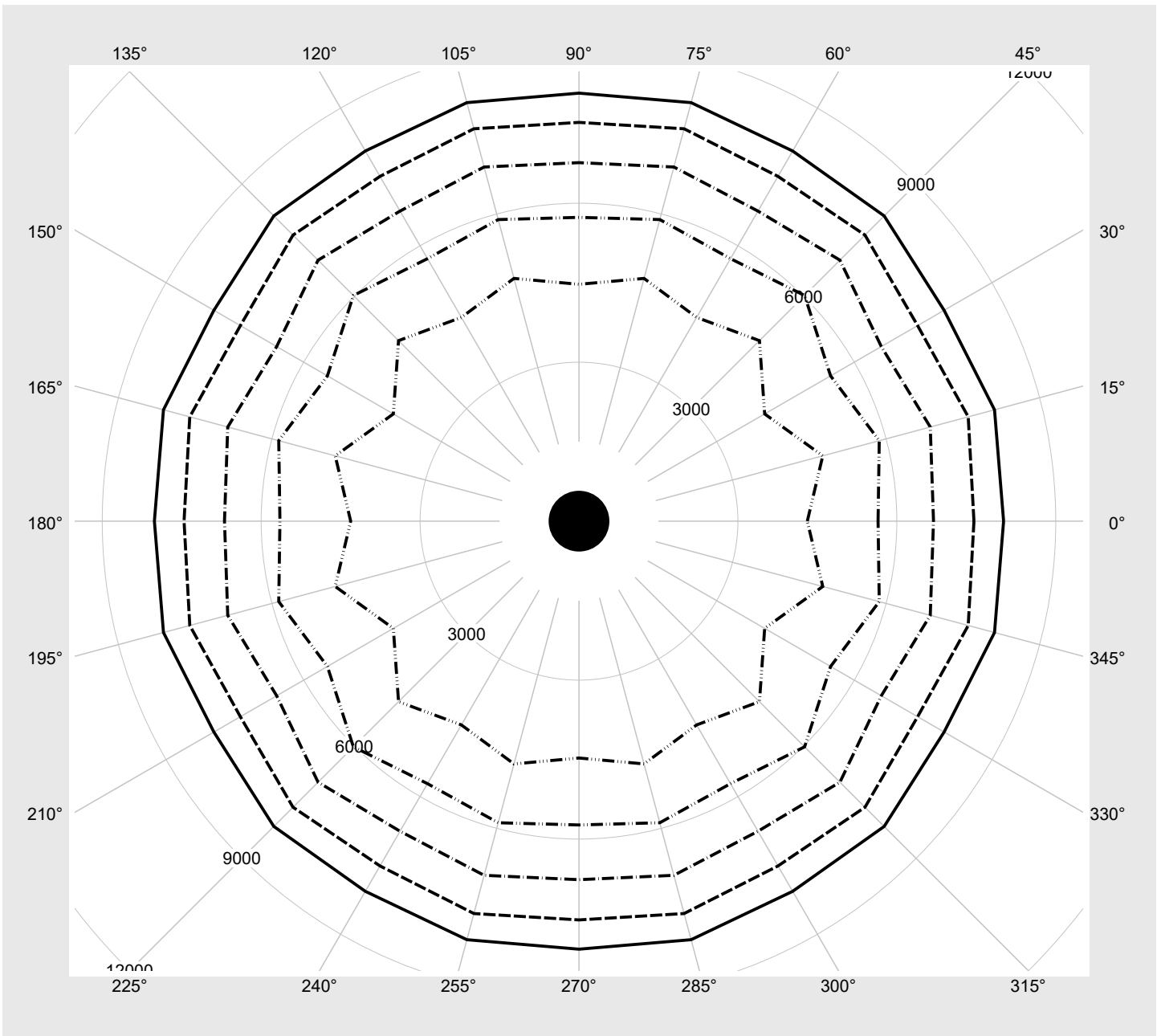
Photometric test report

Family
Round 21 M

Order number: 51MR36FM8321B
EAN: 4058352829899

LP number
59512_9

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Round 21 M	Order number: 51MR36FM8321B EAN: 4058352829899	LP number 59512_9
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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	7770	61.1
14	ON	ON	ON	OFF	7500	58.8
13	ON	ON	OFF	ON	7230	56.6
12	ON	ON	OFF	OFF	6950	54.3
11	ON	OFF	ON	ON	6680	52.0
10	ON	OFF	ON	OFF	6460	49.9
9	ON	OFF	OFF	ON	6180	47.6
8	ON	OFF	OFF	OFF	5900	45.4
7	OFF	ON	ON	ON	5620	43.1
6	OFF	ON	ON	OFF	5390	41.0
5	OFF	ON	OFF	ON	5060	38.7
4	OFF	ON	OFF	OFF	4820	36.5
3	OFF	OFF	ON	ON	4580	34.4
2	OFF	OFF	ON	OFF	4290	32.1
1	OFF	OFF	OFF	ON	4000	29.9
0	OFF	OFF	OFF	OFF	3710	27.7