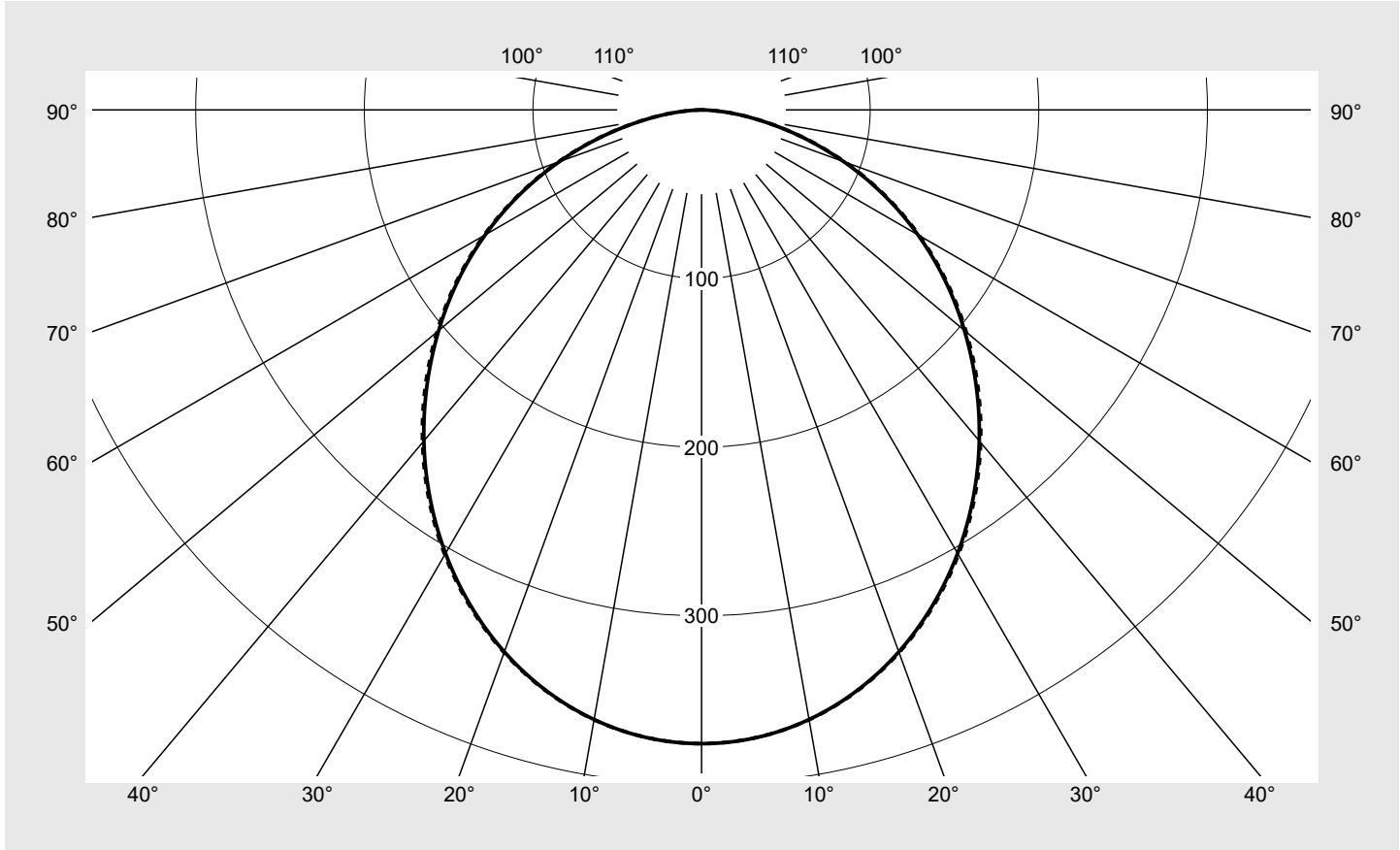


Photometric test report

Family Round 21 S	Order number: 51MR34FD0421B EAN: 4058352829776	LP number 59509_20
Version	surface-mounted and suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct distribution, aluminium housing, black	serial documentation 31.07.2024
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 3910 lm Power consumption = 30.3 W Luminous efficacy = 129 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

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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 S	Order number: 51MR34FD0421B EAN: 4058352829776	LP number 59509_20
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UGR-Table		Standard room									
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	20.3	22.0	20.7	22.3	22.6	20.4	22.1	20.7	22.4	22.7
	3H	21.9	23.4	22.3	23.8	24.1	22.0	23.5	22.3	23.8	24.2
	4H	22.5	23.9	22.9	24.3	24.6	22.6	24.0	23.0	24.3	24.7
	6H	22.9	24.2	23.3	24.6	25.0	23.0	24.3	23.4	24.7	25.0
	8H	23.1	24.3	23.5	24.7	25.1	23.1	24.4	23.6	24.7	25.1
	12H	23.2	24.3	23.6	24.7	25.1	23.2	24.4	23.6	24.8	25.2
4H	2H	21.1	22.5	21.5	22.9	23.2	21.1	22.5	21.5	22.9	23.3
	3H	22.8	24.0	23.2	24.4	24.8	22.9	24.1	23.3	24.5	24.9
	4H	23.5	24.6	24.0	25.0	25.4	23.6	24.7	24.0	25.1	25.5
	6H	24.1	25.0	24.5	25.4	25.9	24.1	25.1	24.6	25.5	25.9
	8H	24.2	25.1	24.7	25.5	26.0	24.3	25.2	24.8	25.6	26.1
	12H	24.4	25.1	24.8	25.6	26.1	24.4	25.2	24.9	25.6	26.1
8H	4H	23.8	24.7	24.3	25.2	25.6	23.9	24.8	24.4	25.2	25.7
	6H	24.5	25.2	25.0	25.7	26.2	24.5	25.3	25.0	25.7	26.2
	8H	24.7	25.3	25.2	25.8	26.3	24.8	25.4	25.3	25.9	26.4
	12H	24.9	25.4	25.4	25.9	26.4	24.9	25.5	25.5	26.0	26.5
12H	4H	23.9	24.7	24.4	25.1	25.6	23.9	24.7	24.4	25.2	25.7
	6H	24.6	25.2	25.1	25.7	26.2	24.6	25.2	25.1	25.7	26.2
	8H	24.8	25.3	25.3	25.8	26.4	24.9	25.4	25.4	25.9	26.4

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 390		
C-planes	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	90°
		195°	210°	225°	240°	255°	270°	285°
		345°	330°	315°	300°	285°	270°	255°
		Luminance in cd/m ²						
45°		10654.9	10726.9	10670.6	10747.8	10710.5	10774.5	10725.3
50°		10361.7	10435.3	10378.4	10459.4	10421.3	10491.2	10431.3
55°		10059.5	10135.9	10016.9	10163.6	10115.1	10196.9	10125.1
60°		9696.8	9789.1	9646.0	9821.3	9754.5	9857.4	9765.9
65°		9231.4	9352.5	9166.0	9383.3	9290.3	9417.7	9303.1
70°		8586.7	8760.8	8501.1	8793.4	8653.0	8829.3	8667.1
75°		7707.5	7906.3	7589.8	8023.2	7782.2	7969.0	7792.4
80°		6502.1	6757.9	6316.3	6936.8	6588.1	6786.2	6603.2
85°		4964.0	5486.7	4661.3	5548.7	5114.2	5462.3	5148.0

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Family Round 21 S	Order number: 51MR34FD0421B EAN: 4058352829776	LP number 59509_20
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

