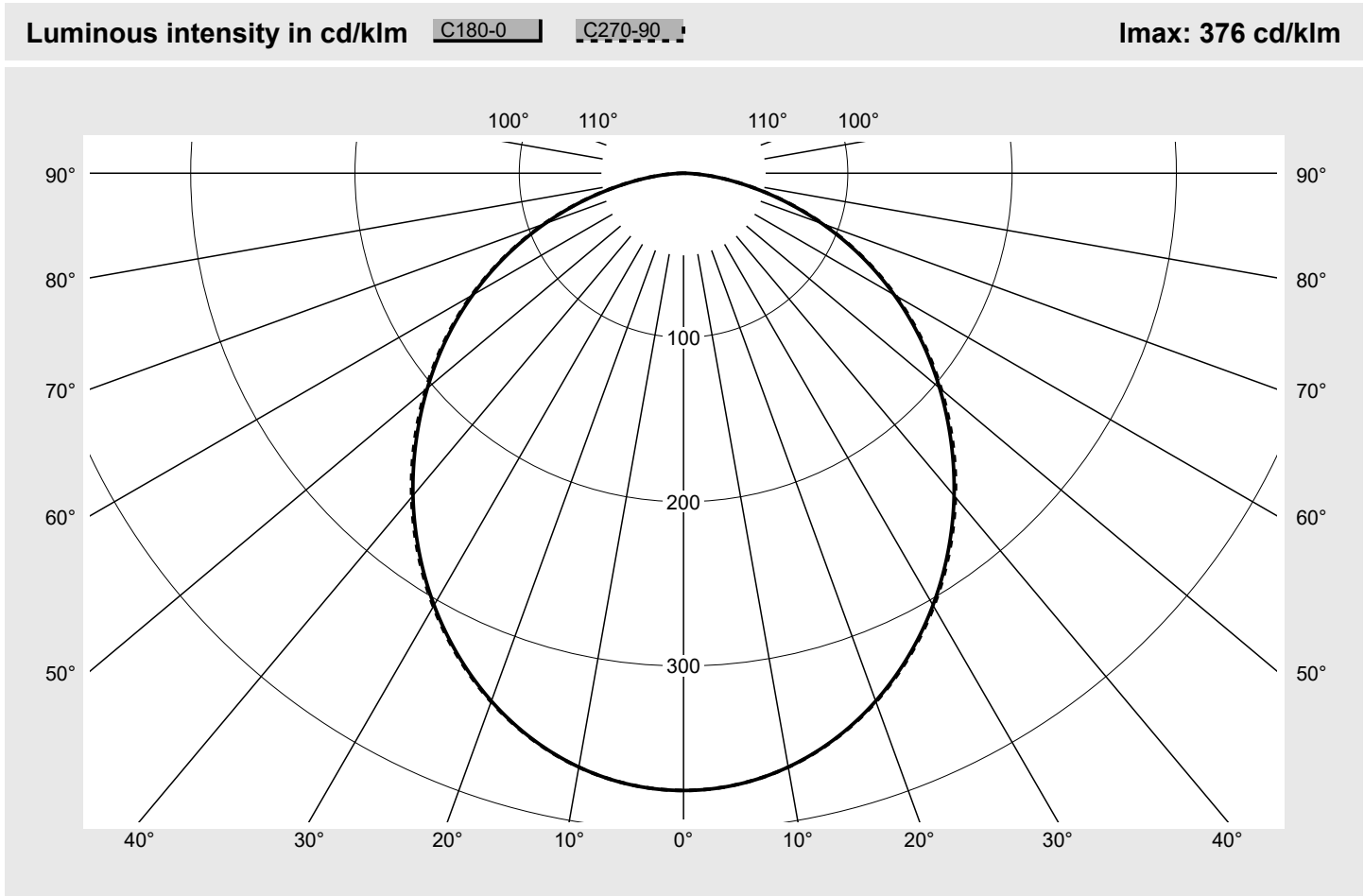


Photometric test report

Family Round 21 S	Order number: 51MR34FD0321B EAN: 4058352829752	LP number 59509_26
	Version	surface-mounted and suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct distribution, aluminium housing, black
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3750 lm Power consumption = 30.3 W Luminous efficacy = 123.8 lm/W
		serial documentation 31.07.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 0	η_{LB}	100.0%
CIE	N1=49 N2=80 N3=96	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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

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Family Round 21 S			Order number: 51MR34FD0321B EAN: 4058352829752							LP number 59509_26	
UGR-Table			Standard room							siteco	
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	20.2	21.9	20.6	22.2	22.5	20.2	21.9	20.6	22.2	22.5
	3H	21.8	23.3	22.1	23.6	24.0	21.8	23.3	22.2	23.7	24.0
	4H	22.4	23.8	22.8	24.1	24.5	22.4	23.8	22.8	24.2	24.6
	6H	22.8	24.1	23.2	24.5	24.8	22.8	24.1	23.2	24.5	24.9
	8H	22.9	24.2	23.4	24.5	24.9	23.0	24.2	23.4	24.6	25.0
	12H	23.0	24.2	23.4	24.6	25.0	23.1	24.2	23.5	24.6	25.0
4H	2H	20.9	22.4	21.3	22.7	23.1	21.0	22.4	21.4	22.8	23.1
	3H	22.7	23.9	23.1	24.3	24.7	22.7	23.9	23.1	24.3	24.7
	4H	23.4	24.5	23.8	24.9	25.3	23.4	24.5	23.9	24.9	25.4
	6H	23.9	24.9	24.4	25.3	25.7	24.0	24.9	24.4	25.3	25.8
	8H	24.1	25.0	24.6	25.4	25.9	24.1	25.0	24.6	25.5	25.9
	12H	24.2	25.0	24.7	25.4	25.9	24.3	25.0	24.8	25.5	26.0
8H	4H	23.7	24.6	24.2	25.0	25.5	23.8	24.6	24.2	25.1	25.5
	6H	24.3	25.0	24.8	25.5	26.0	24.4	25.1	24.9	25.6	26.1
	8H	24.6	25.2	25.0	25.7	26.2	24.6	25.3	25.1	25.7	26.3
	12H	24.7	25.3	25.2	25.8	26.3	24.8	25.3	25.3	25.8	26.4
12H	4H	23.7	24.5	24.2	25.0	25.5	23.8	24.6	24.3	25.0	25.5
	6H	24.4	25.0	24.9	25.5	26.0	24.5	25.1	25.0	25.6	26.1
	8H	24.7	25.2	25.2	25.7	26.2	24.7	25.3	25.2	25.8	26.3

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 390	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	10218.9	10288.0	10234.0	10308.0	10272.2	10333.6	10286.4
50°	9937.6	10008.3	9953.7	10031.4	9994.9	10061.9	10004.4
55°	9647.8	9721.1	9607.0	9747.7	9701.2	9779.6	9710.8
60°	9300.0	9388.5	9251.3	9419.4	9355.3	9454.0	9366.3
65°	8853.6	8969.8	8791.0	8999.3	8910.2	9032.4	8922.4
70°	8235.3	8402.3	8153.2	8433.5	8298.9	8468.0	8312.5
75°	7392.1	7582.8	7279.2	7694.8	7463.8	7642.9	7473.5
80°	6236.1	6481.4	6057.8	6652.9	6318.5	6508.5	6333.0
85°	4760.8	5262.2	4470.5	5321.6	4904.9	5238.8	4937.3

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Family
Round 21 S

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EAN: 4058352829752

LP number
59509_26

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

