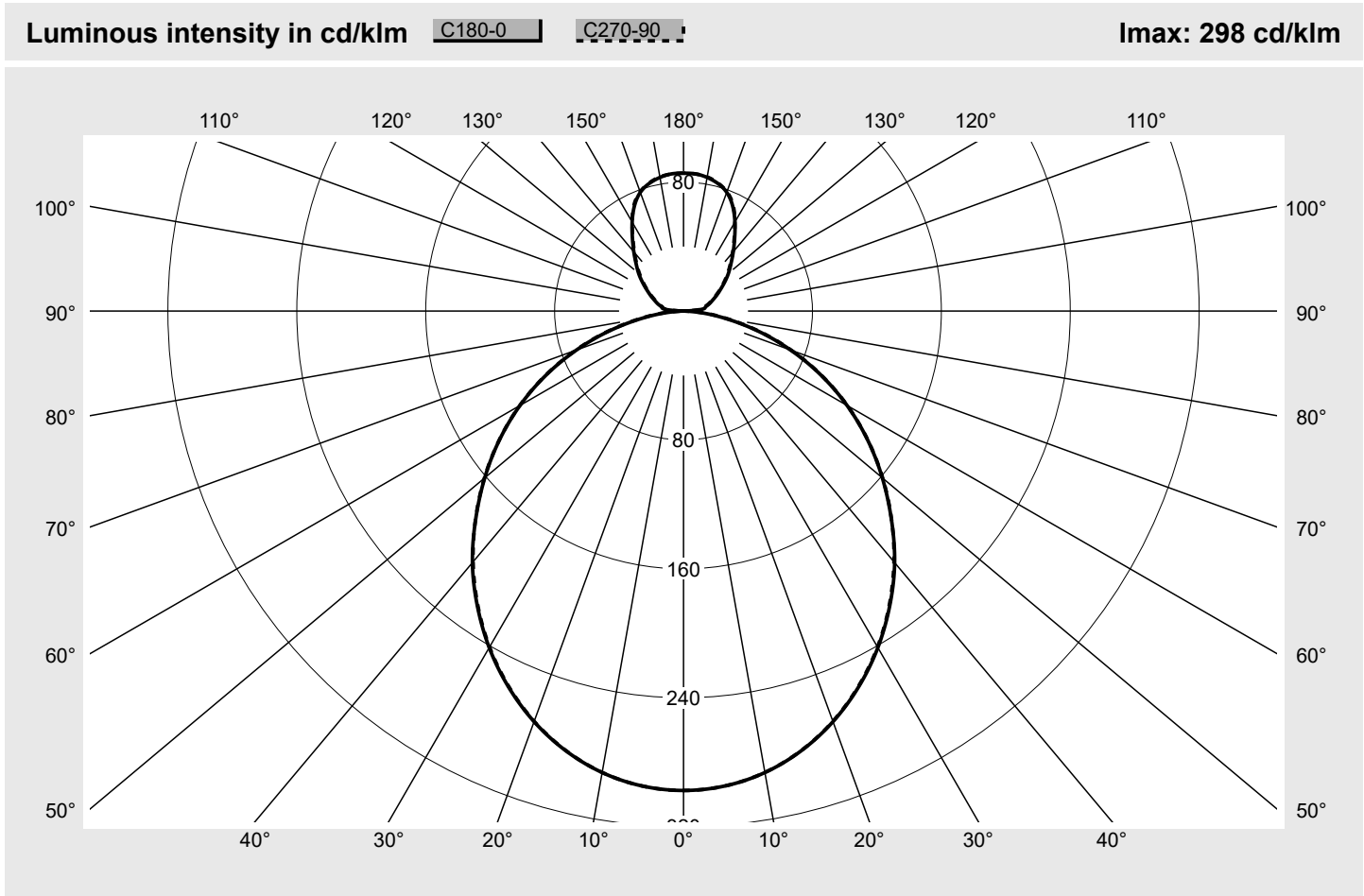


Photometric test report

Family Round 21 S	Order number: 51MR34GD0421B EAN: 4058352881507	LP number 59508_11
	Version	Suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct-/ indirect distribution, aluminium housing, black, UGR≤22
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 4090 lm Power consumption = 28.3 W Luminous efficacy = 144.5 lm/W
		serial documentation 31.07.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	B 4 3	η_{LB}	100.0%
CIE	N1=49 N2=80 N3=96	ϕ_u	79.2%
	N4=79 N5=100	ϕ_o	20.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Round 21 S	Order number: 51MR34GD0421B EAN: 4058352881507	LP number 59508_11
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°	297.6	297.6	297.6	297.6	297.6	297.6	297.6	1.8	1.8
5°	295.9	295.9	295.9	295.9	295.9	295.9	295.9	14.1	15.9
10°	290.8	290.9	290.9	290.8	290.8	290.7	290.8	27.7	43.6
15°	282.5	282.6	282.5	282.5	282.4	282.4	282.4	40.1	83.7
20°	271.2	271.3	271.2	271.1	271.0	271.0	271.0	50.8	134.5
25°	257.3	257.5	257.3	257.3	257.0	257.1	256.9	59.6	194.1
30°	241.2	241.5	241.2	241.1	240.8	240.8	240.8	66.1	260.2
35°	223.2	223.6	223.2	223.3	222.8	222.9	222.7	70.1	330.3
40°	203.8	204.3	203.8	203.9	203.3	203.7	203.2	71.8	402.1
45°	182.4	184.1	183.3	183.7	182.8	183.4	182.5	71.0	473.1
50°	161.1	162.9	162.1	162.4	161.6	162.2	161.3	68.1	541.2
55°	139.5	141.2	140.4	140.9	139.9	140.4	139.6	63.0	604.2
60°	117.2	118.9	118.0	118.6	117.6	117.9	117.4	56.0	660.3
65°	94.2	96.0	95.1	95.8	94.7	95.4	94.5	47.3	707.6
70°	70.7	72.8	71.7	72.5	71.4	72.3	71.3	37.1	744.6
75°	47.7	49.5	48.8	49.4	48.6	49.4	48.5	25.9	770.5
80°	26.4	28.1	27.8	28.2	27.7	28.0	27.6	15.0	785.6
85°	9.8	11.6	11.5	12.0	11.6	11.6	11.4	6.3	791.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	791.8
95°	10.6	11.0	10.6	10.8	10.4	10.4	9.8	5.8	797.6
100°	13.8	13.9	13.9	13.8	13.6	13.6	13.1	7.4	805.0
105°	16.2	16.5	16.4	16.5	16.3	16.3	15.6	8.6	813.6
110°	19.0	19.3	19.4	19.4	19.3	19.0	18.4	9.9	823.5
115°	22.4	22.8	22.7	22.8	22.6	22.4	21.8	11.2	834.7
120°	26.3	26.6	26.7	26.9	26.4	26.2	25.8	12.6	847.3
125°	31.1	31.2	31.0	31.4	30.8	30.8	30.4	13.9	861.2
130°	36.4	36.3	36.1	36.5	35.9	36.0	35.5	15.2	876.3
135°	41.6	41.8	41.8	41.9	41.8	41.8	41.1	16.2	892.5
140°	48.0	48.0	48.2	48.1	48.2	48.1	47.4	16.9	909.5
145°	55.3	55.0	55.3	55.3	55.2	55.2	54.9	17.3	926.8
150°	63.8	62.9	63.6	63.3	64.0	63.8	63.7	17.4	944.2
155°	72.1	72.2	71.9	72.9	72.4	72.8	72.7	16.8	961.0
160°	78.4	78.6	78.5	78.7	78.6	78.6	78.7	14.7	975.7
165°	82.0	82.0	82.1	82.0	82.1	82.2	82.3	11.6	987.4
170°	84.2	84.1	84.2	84.3	84.4	84.5	84.5	8.0	995.4
175°	85.4	85.3	85.3	85.4	85.4	85.4	85.4	4.1	999.5
180°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	0.5	1000.0

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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	18.5	19.8	19.1	20.4	21.2	18.5	19.8	19.1	20.4	21.1
	3H	19.9	21.1	20.6	21.8	22.5	19.9	21.1	20.6	21.7	22.5
	4H	20.5	21.6	21.2	22.3	23.1	20.5	21.6	21.2	22.3	23.1
	6H	21.0	22.0	21.6	22.6	23.4	21.0	22.0	21.6	22.7	23.4
	8H	21.0	21.9	21.7	22.6	23.4	21.0	22.0	21.7	22.7	23.5
	12H	21.1	22.0	21.8	22.7	23.5	21.1	22.0	21.8	22.7	23.5
4H	2H	19.1	20.2	19.8	20.9	21.7	19.1	20.2	19.8	20.9	21.7
	3H	20.8	21.7	21.5	22.4	23.2	20.8	21.7	21.5	22.4	23.2
	4H	21.5	22.3	22.2	23.0	23.9	21.5	22.3	22.2	23.0	23.8
	6H	22.0	22.7	22.7	23.5	24.3	22.0	22.7	22.7	23.5	24.3
	8H	22.1	22.7	22.8	23.5	24.4	22.1	22.7	22.8	23.5	24.4
	12H	22.2	22.8	23.0	23.5	24.4	22.2	22.8	23.0	23.6	24.5
8H	4H	21.7	22.4	22.4	23.1	24.0	21.7	22.3	22.4	23.1	24.0
	6H	22.3	22.8	23.0	23.6	24.5	22.3	22.8	23.0	23.6	24.5
	8H	22.5	23.0	23.3	23.8	24.7	22.5	23.0	23.3	23.8	24.7
	12H	22.7	23.1	23.5	23.9	24.8	22.7	23.1	23.5	23.9	24.8
12H	4H	21.8	22.4	22.5	23.1	24.0	21.8	22.4	22.5	23.1	24.0
	6H	22.4	22.9	23.2	23.6	24.6	22.4	22.9	23.2	23.6	24.6
	8H	22.6	23.0	23.4	23.8	24.8	22.7	23.1	23.4	23.8	24.8

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°	8830.2	8913.6	8874.5	8892.2	8850.1	8879.8	8837.2
50°	8578.2	8676.4	8634.2	8651.5	8608.5	8637.5	8594.0
55°	8324.1	8429.2	8378.1	8409.3	8351.4	8380.4	8335.7
60°	8024.2	8143.3	8083.2	8124.1	8052.6	8076.3	8038.3
65°	7628.4	7773.6	7701.1	7764.6	7671.5	7731.8	7657.0
70°	7075.7	7283.4	7176.2	7254.3	7146.1	7241.3	7132.4
75°	6308.9	6553.2	6454.0	6538.3	6432.1	6530.7	6422.3
80°	5213.1	5549.9	5473.5	5557.3	5466.5	5512.8	5444.6
85°	3847.8	4560.8	4497.9	4727.7	4555.7	4538.4	4471.2

Photometric test report

Family
Round 21 S

Order number: 51MR34GD0421B
EAN: 4058352881507

LP number
59508_11

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

