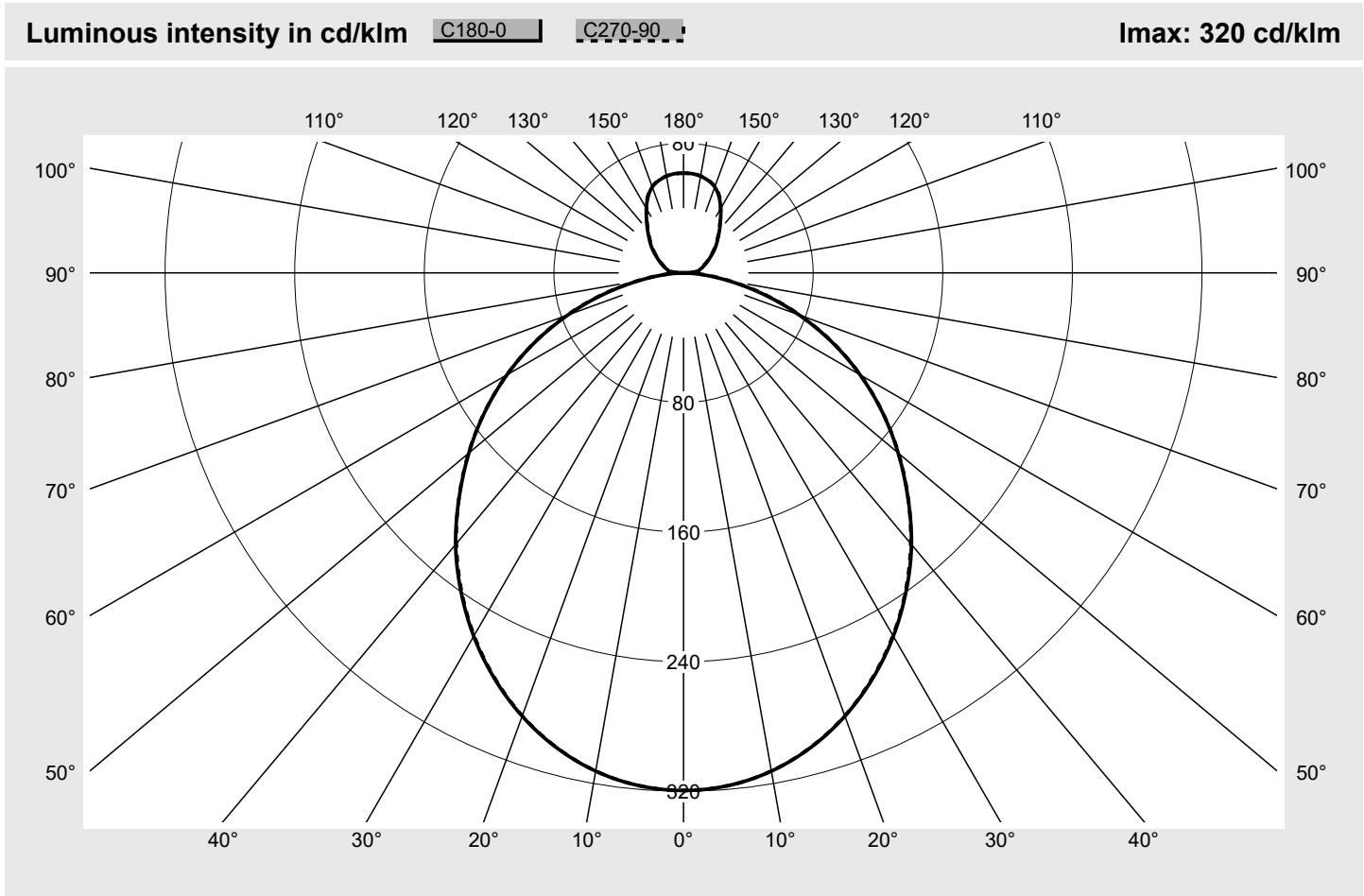


Photometric test report

Family Round 21 M	Order number: 51MR36GD0321W EAN: 4058352881637	LP number 59510_19
	Version	Suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct-/ indirect distribution, aluminium housing, white, UGR≤22
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 7550 lm Power consumption = 54.6 W Luminous efficacy = 138.3 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	85.0%
	N4=85 N5=100	ϕ_o	15.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Round 21 M	Order number: 51MR36GD0321W EAN: 4058352881637	LP number 59510_19
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°	319.5	319.5	319.5	319.5	319.5	319.5	319.5	1.9	1.9
5°	317.7	317.8	317.8	317.7	317.7	317.7	317.7	15.2	17.1
10°	312.3	312.3	312.3	312.2	312.2	312.2	312.2	29.7	46.8
15°	303.3	303.5	303.4	303.3	303.3	303.3	303.2	43.0	89.8
20°	291.2	291.3	291.2	291.2	291.0	291.0	291.0	54.6	144.4
25°	276.2	276.6	276.2	276.3	275.9	276.0	275.9	64.0	208.4
30°	259.0	259.3	259.0	258.9	258.6	258.6	258.5	70.9	279.4
35°	239.6	240.1	239.7	239.7	239.3	239.3	239.1	75.3	354.7
40°	218.9	219.3	218.8	219.0	218.3	218.8	218.1	77.1	431.8
45°	195.8	197.7	196.8	197.2	196.3	196.9	196.0	76.3	508.0
50°	172.9	174.9	174.1	174.4	173.6	174.1	173.3	73.1	581.1
55°	149.7	151.6	150.7	151.3	150.2	150.8	150.0	67.7	648.8
60°	125.8	127.7	126.8	127.4	126.3	126.7	126.1	60.2	709.0
65°	101.1	103.0	102.1	102.9	101.7	102.5	101.5	50.8	759.8
70°	75.9	78.1	77.0	77.8	76.7	77.7	76.5	39.8	799.6
75°	51.2	53.2	52.4	53.1	52.2	53.0	52.1	27.8	827.4
80°	28.4	30.2	29.8	30.3	29.8	30.0	29.7	16.1	843.5
85°	10.5	12.5	12.3	12.9	12.5	12.4	12.2	6.7	850.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	850.3
95°	7.6	7.9	7.6	7.8	7.5	7.5	7.0	4.2	854.4
100°	9.9	10.0	10.0	10.0	9.8	9.8	9.4	5.3	859.7
105°	11.7	11.8	11.8	11.8	11.7	11.7	11.2	6.2	865.9
110°	13.7	13.9	13.9	13.9	13.9	13.7	13.2	7.1	873.1
115°	16.1	16.4	16.4	16.4	16.2	16.1	15.7	8.1	881.1
120°	18.9	19.1	19.2	19.4	19.0	18.9	18.6	9.0	890.2
125°	22.3	22.4	22.3	22.6	22.2	22.1	21.9	10.0	900.2
130°	26.1	26.1	26.0	26.2	25.8	25.9	25.5	10.9	911.1
135°	30.0	30.1	30.1	30.1	30.0	30.0	29.5	11.6	922.7
140°	34.5	34.5	34.7	34.6	34.7	34.6	34.1	12.2	934.9
145°	39.8	39.6	39.8	39.8	39.7	39.7	39.5	12.5	947.4
150°	45.9	45.3	45.7	45.5	46.0	45.9	45.8	12.5	959.9
155°	51.8	51.9	51.7	52.5	52.1	52.4	52.3	12.1	972.0
160°	56.4	56.5	56.5	56.6	56.5	56.5	56.6	10.6	982.6
165°	59.0	59.0	59.0	59.0	59.1	59.1	59.2	8.4	990.9
170°	60.6	60.5	60.6	60.6	60.7	60.7	60.8	5.8	996.7
175°	61.5	61.3	61.3	61.4	61.4	61.4	61.4	2.9	999.6
180°	61.5	61.5	61.5	61.5	61.5	61.5	61.5	0.4	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	18.4	19.8	18.9	20.3	20.9	18.3	19.7	18.9	20.3	20.9
	3H	19.8	21.1	20.4	21.6	22.3	19.8	21.0	20.4	21.6	22.3
	4H	20.4	21.6	21.0	22.2	22.9	20.4	21.6	21.0	22.2	22.8
	6H	20.8	21.9	21.4	22.5	23.2	20.9	21.9	21.5	22.5	23.2
	8H	20.9	21.9	21.5	22.5	23.2	20.9	21.9	21.6	22.6	23.3
	12H	21.0	21.9	21.6	22.6	23.3	21.0	22.0	21.7	22.6	23.3
4H	2H	19.0	20.2	19.6	20.8	21.5	19.0	20.2	19.6	20.8	21.4
	3H	20.7	21.7	21.3	22.3	23.0	20.7	21.7	21.3	22.3	23.0
	4H	21.4	22.3	22.0	22.9	23.6	21.4	22.3	22.0	22.9	23.6
	6H	21.9	22.7	22.6	23.3	24.1	21.9	22.7	22.6	23.3	24.1
	8H	22.0	22.7	22.7	23.4	24.2	22.0	22.7	22.7	23.4	24.2
	12H	22.1	22.8	22.8	23.4	24.2	22.2	22.8	22.9	23.5	24.3
8H	4H	21.6	22.3	22.3	23.0	23.8	21.6	22.3	22.3	23.0	23.8
	6H	22.2	22.8	22.9	23.5	24.3	22.2	22.8	22.9	23.5	24.3
	8H	22.4	23.0	23.1	23.7	24.5	22.4	23.0	23.2	23.7	24.5
	12H	22.6	23.1	23.4	23.8	24.6	22.7	23.1	23.4	23.8	24.6
12H	4H	21.7	22.3	22.4	23.0	23.8	21.7	22.3	22.4	23.0	23.8
	6H	22.3	22.8	23.0	23.5	24.3	22.3	22.8	23.0	23.5	24.3
	8H	22.6	23.0	23.3	23.7	24.5	22.6	23.0	23.3	23.7	24.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 590	
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°	7648.1	7720.2	7686.5	7701.7	7665.3	7691.0	7654.1
50°	7429.8	7514.8	7478.2	7493.2	7456.1	7481.2	7443.5
55°	7209.7	7300.7	7256.5	7283.5	7233.3	7258.5	7219.8
60°	6949.9	7053.0	7001.0	7036.4	6974.5	6995.2	6962.2
65°	6607.1	6733.0	6670.1	6725.1	6644.6	6696.8	6631.9
70°	6128.3	6308.3	6215.4	6283.0	6189.5	6271.8	6177.6
75°	5464.2	5675.9	5590.0	5663.0	5570.9	5656.4	5562.5
80°	4515.1	4806.9	4740.7	4813.2	4734.7	4774.6	4715.8
85°	3332.7	3950.5	3895.7	4095.0	3945.8	3930.9	3872.9

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

