

Photometric test report

Family
Round 21 M



Order number: 51MR36GD0421B
EAN: 4058352881644

Version

Lamps

Controlgear

Rated values

Suspended luminaire, cover, opal, PMMA, extremely wide distribution, direct-/ indirect distribution, aluminium housing, black, UGR≤22

LED 4000 K | CRI ≥ 80

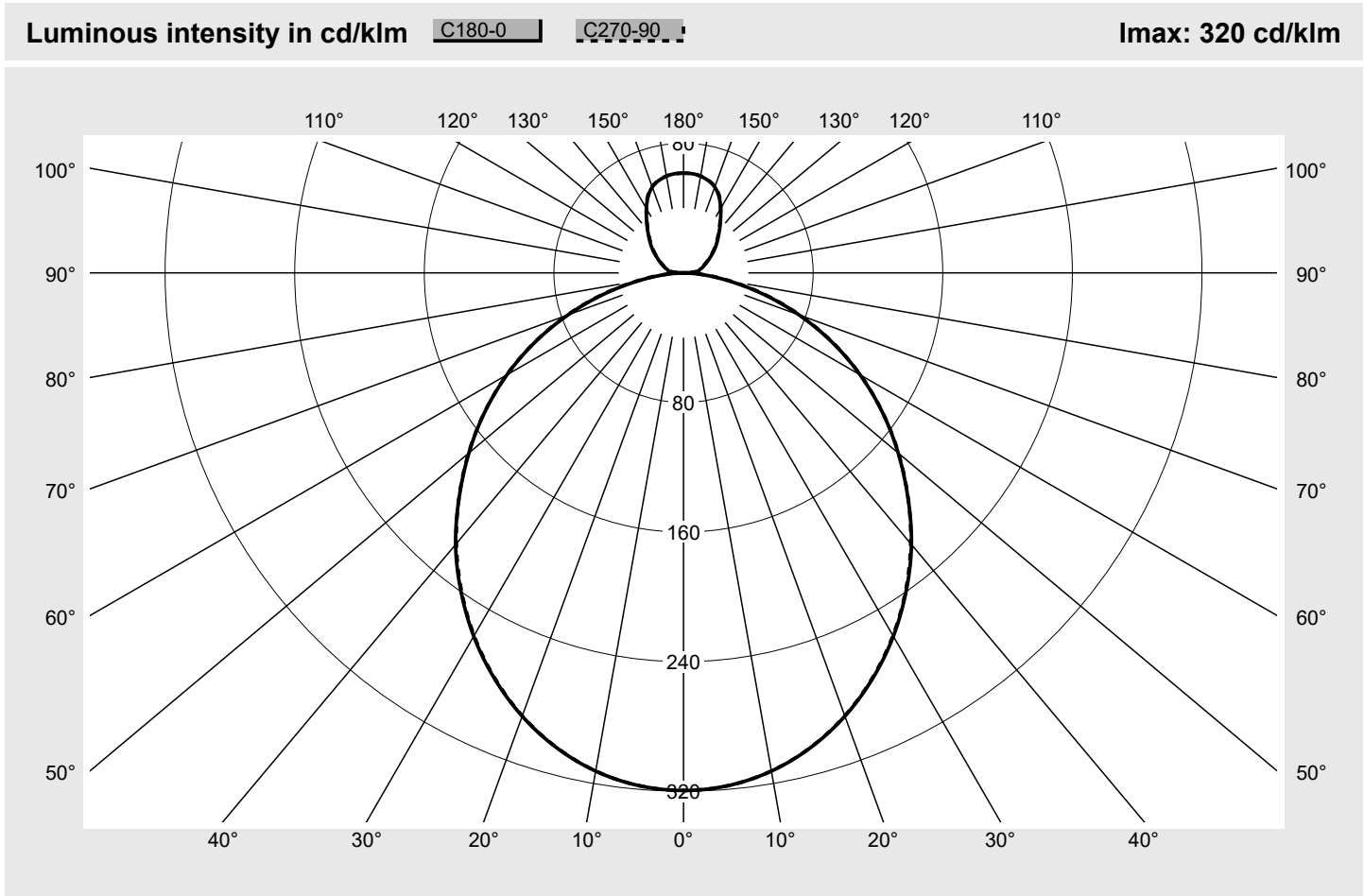
ECG-DALI

Net luminous flux = 7870 lm
Power consumption = 54.6 W
Luminous efficacy = 144.1 lm/W

LP number
59510_17

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: 51MR36GD0421B EAN: 4058352881644	LP number 59510_17
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

Photometric test report

Family Round 21 M			Order number: 51MR36GD0421B EAN: 4058352881644							LP number 59510_17	
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	19.9	19.0	20.4	21.1	18.5	19.9	19.0	20.4	21.0
	3H	20.0	21.2	20.5	21.8	22.5	20.0	21.2	20.5	21.8	22.4
	4H	20.6	21.7	21.2	22.3	23.0	20.6	21.7	21.2	22.3	23.0
	6H	21.0	22.1	21.6	22.7	23.3	21.0	22.1	21.6	22.7	23.4
	8H	21.1	22.1	21.7	22.7	23.4	21.1	22.1	21.7	22.7	23.4
	12H	21.1	22.1	21.8	22.7	23.4	21.2	22.1	21.8	22.8	23.5
4H	2H	19.2	20.3	19.8	20.9	21.6	19.2	20.3	19.7	20.9	21.6
	3H	20.8	21.8	21.5	22.5	23.2	20.8	21.8	21.5	22.4	23.2
	4H	21.5	22.4	22.2	23.1	23.8	21.5	22.4	22.2	23.0	23.8
	6H	22.1	22.8	22.7	23.5	24.2	22.1	22.8	22.7	23.5	24.2
	8H	22.1	22.8	22.8	23.5	24.3	22.2	22.9	22.8	23.5	24.3
	12H	22.3	22.9	23.0	23.6	24.4	22.3	22.9	23.0	23.6	24.4
8H	4H	21.8	22.5	22.5	23.2	23.9	21.8	22.5	22.4	23.1	23.9
	6H	22.3	22.9	23.0	23.6	24.4	22.3	22.9	23.0	23.6	24.4
	8H	22.6	23.1	23.3	23.8	24.6	22.6	23.1	23.3	23.8	24.6
	12H	22.8	23.2	23.5	23.9	24.8	22.8	23.2	23.5	24.0	24.8
12H	4H	21.9	22.5	22.5	23.2	23.9	21.8	22.5	22.5	23.1	23.9
	6H	22.5	23.0	23.2	23.7	24.5	22.5	23.0	23.2	23.7	24.5
	8H	22.7	23.2	23.4	23.9	24.7	22.7	23.2	23.4	23.9	24.7

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°	7972.2	8047.5	8012.2	8028.2	7990.2	8017.0	7978.5
50°	7744.7	7833.3	7795.2	7810.8	7772.1	7798.2	7759.0
55°	7515.3	7610.1	7564.1	7592.2	7539.9	7566.1	7525.8
60°	7244.5	7351.9	7297.8	7334.7	7270.1	7291.7	7257.3
65°	6887.2	7018.3	6952.8	7010.2	6926.2	6980.6	6913.0
70°	6388.1	6575.7	6478.8	6549.3	6451.8	6537.6	6439.4
75°	5695.8	5916.5	5826.9	5903.0	5807.0	5896.1	5798.3
80°	4706.4	5010.6	4941.7	5017.2	4935.4	4977.0	4915.6
85°	3473.9	4118.0	4060.8	4268.6	4113.0	4097.5	4037.0

Photometric test report

Family
Round 21 M

Order number: 51MR36GD0421B
EAN: 4058352881644

LP number
59510_17

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

