

Lichttechnischer Prüfbefund

Familie
Round 21 M

Bestell-Nr.: 51MR36GM8321B
EAN: 4058352881682

LP-Nummer
59513_5



Ausführung Pendelleuchte, Abdeckung, opal, PMMA, symmetrisch, extrem breit strahlend, direkt-/indirekt strahlend, Gehäuse, Alu, schwarz

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 7820 lm
Systemleistung = 60.8 W
Lichtausbeute = 128.6 lm/W

Seriendokumentation
08.11.2023

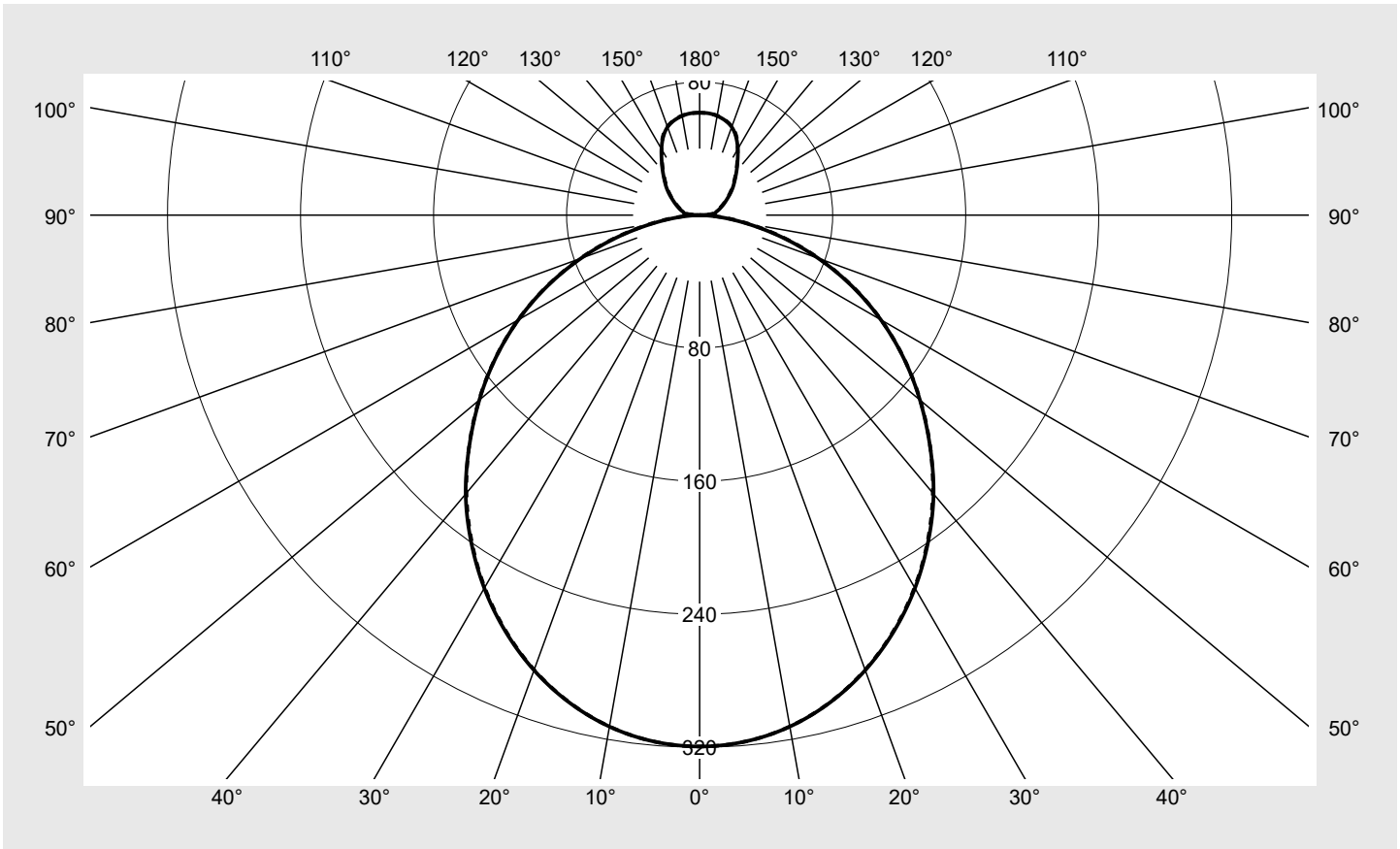
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 320 cd/klm



Klassifizierungen

DIN 5040 B 4 3
CIE N1=49 N2=80 N3=96
N4=85 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 85,0%
 ϕ_o 15,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8321B EAN: 4058352881682	LP-Nummer 59513_5
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
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

Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8321B EAN: 4058352881682	LP-Nummer 59513_5
------------------------------	--	-----------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	18,5	19,9	19,0	20,4	21,0	18,5	19,9	19,0	20,4	21,0
	3H	19,9	21,2	20,5	21,8	22,4	19,9	21,2	20,5	21,8	22,4
	4H	20,6	21,7	21,1	22,3	23,0	20,5	21,7	21,1	22,3	23,0
	6H	21,0	22,0	21,6	22,6	23,3	21,0	22,1	21,6	22,7	23,3
	8H	21,0	22,0	21,7	22,7	23,4	21,1	22,1	21,7	22,7	23,4
	12H	21,1	22,1	21,7	22,7	23,4	21,2	22,1	21,8	22,7	23,4
4H	2H	19,2	20,3	19,7	20,9	21,6	19,1	20,3	19,7	20,9	21,6
	3H	20,8	21,8	21,4	22,4	23,1	20,8	21,8	21,4	22,4	23,1
	4H	21,5	22,4	22,1	23,0	23,8	21,5	22,4	22,1	23,0	23,8
	6H	22,0	22,8	22,7	23,5	24,2	22,0	22,8	22,7	23,5	24,2
	8H	22,1	22,8	22,8	23,5	24,3	22,1	22,8	22,8	23,5	24,3
	12H	22,3	22,9	22,9	23,6	24,3	22,3	22,9	23,0	23,6	24,4
8H	4H	21,8	22,5	22,4	23,1	23,9	21,7	22,4	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	24,7	22,8	23,2	23,5	23,9	24,8
12H	4H	21,8	22,5	22,5	23,1	23,9	21,8	22,4	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	23,1	23,4	23,8	24,7	22,7	23,1	23,4	23,9	24,7

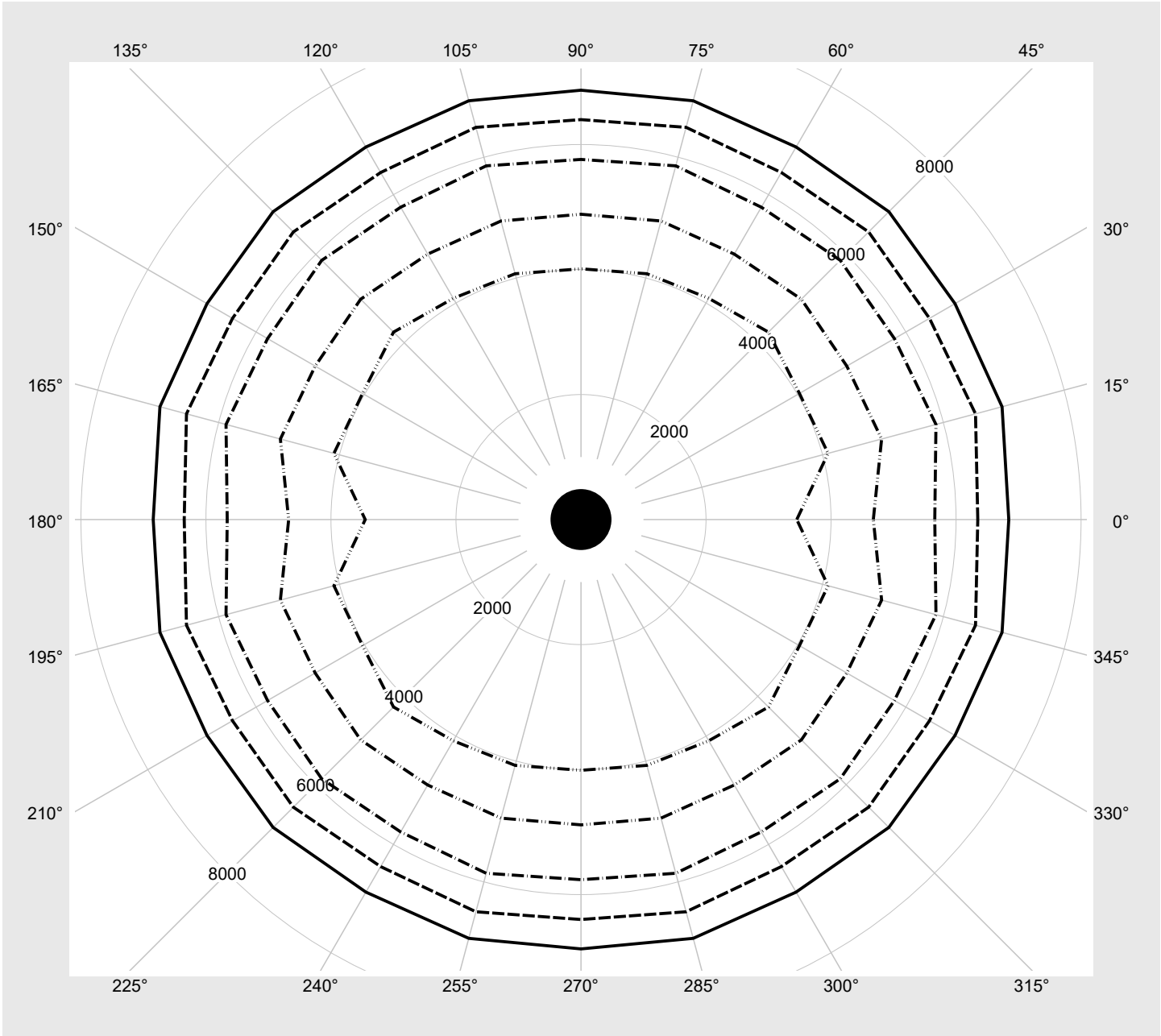
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$ Lichttechnische Abmessungen in mm: D = 590

C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		7921.6	7996.3	7961.3	7977.2	7939.5	7966.0	7927.8	
50°		7695.5	7783.5	7745.6	7761.2	7722.7	7748.7	7709.7	
55°		7467.5	7561.8	7516.0	7544.0	7492.0	7518.0	7477.9	
60°		7198.5	7305.2	7251.4	7288.1	7223.9	7245.3	7211.2	
65°		6843.4	6973.7	6908.6	6965.6	6882.2	6936.3	6869.0	
70°		6347.5	6533.9	6437.7	6507.7	6410.8	6496.1	6398.5	
75°		5659.6	5878.9	5789.9	5865.5	5770.1	5858.7	5761.4	
80°		4676.5	4978.8	4910.3	4985.4	4904.0	4945.3	4884.4	
85°		3451.8	4091.8	4035.0	4241.4	4086.9	4071.4	4011.4	

Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8321B EAN: 4058352881682	LP-Nummer 59513_5
-------------------------------------	--	------------------------------------

Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8321B EAN: 4058352881682	LP-Nummer 59513_5
------------------------------	--	-----------------------------

Multilumen-Tabelle	Umgebungstemperatur: 25°C	sITeco
---------------------------	---------------------------	---------------

DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
15	ON	ON	ON	ON	7820	60.8
14	ON	ON	ON	OFF	7550	58.5
13	ON	ON	OFF	ON	7270	56.2
12	ON	ON	OFF	OFF	6990	54.1
11	ON	OFF	ON	ON	6780	51.9
10	ON	OFF	ON	OFF	6500	49.6
9	ON	OFF	OFF	ON	6210	47.4
8	ON	OFF	OFF	OFF	5930	45.1
7	OFF	ON	ON	ON	5700	43.0
6	OFF	ON	ON	OFF	5410	40.8
5	OFF	ON	OFF	ON	5130	38.5
4	OFF	ON	OFF	OFF	4840	36.3
3	OFF	OFF	ON	ON	4590	34.2
2	OFF	OFF	ON	OFF	4310	32.0
1	OFF	OFF	OFF	ON	4010	29.6
0	OFF	OFF	OFF	OFF	3720	27.7