

Lichttechnischer Prüfbefund

Familie
Round 21 M

Bestell-Nr.: 51MR36GM8421B
EAN: 4058352881729

LP-Nummer
59513_2



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

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-Multilumen

Bemessungswerte Nettolichtstrom = 8190 lm
Systemleistung = 60.8 W
Lichtausbeute = 134.7 lm/W

Seriendokumentation
08.11.2023

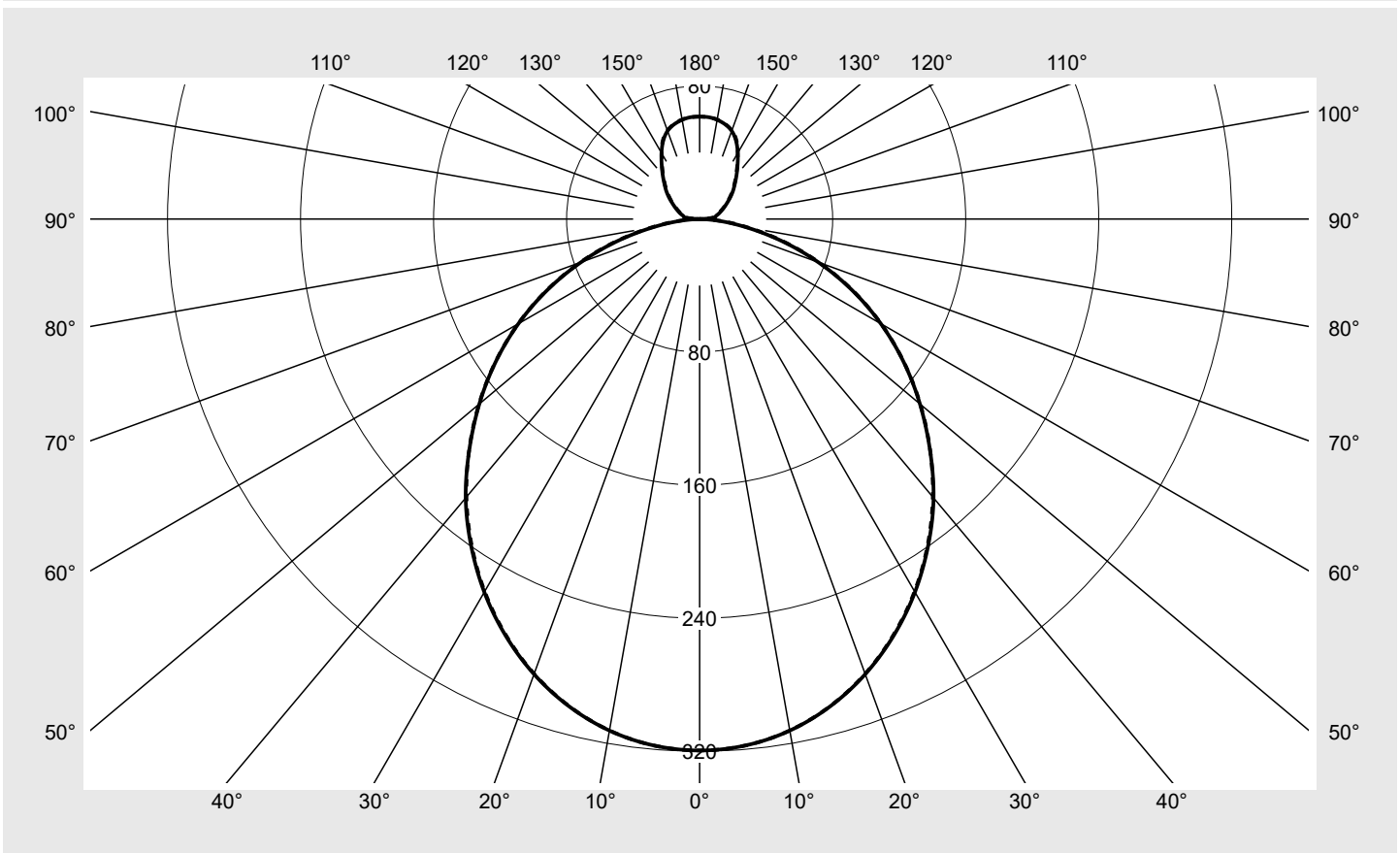
sitEco

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.: 51MR36GM8421B EAN: 4058352881729	LP-Nummer 59513_2
------------------------------	--	-----------------------------

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.: 51MR36GM8421B EAN: 4058352881729	LP-Nummer 59513_2
------------------------------	--	-----------------------------

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

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

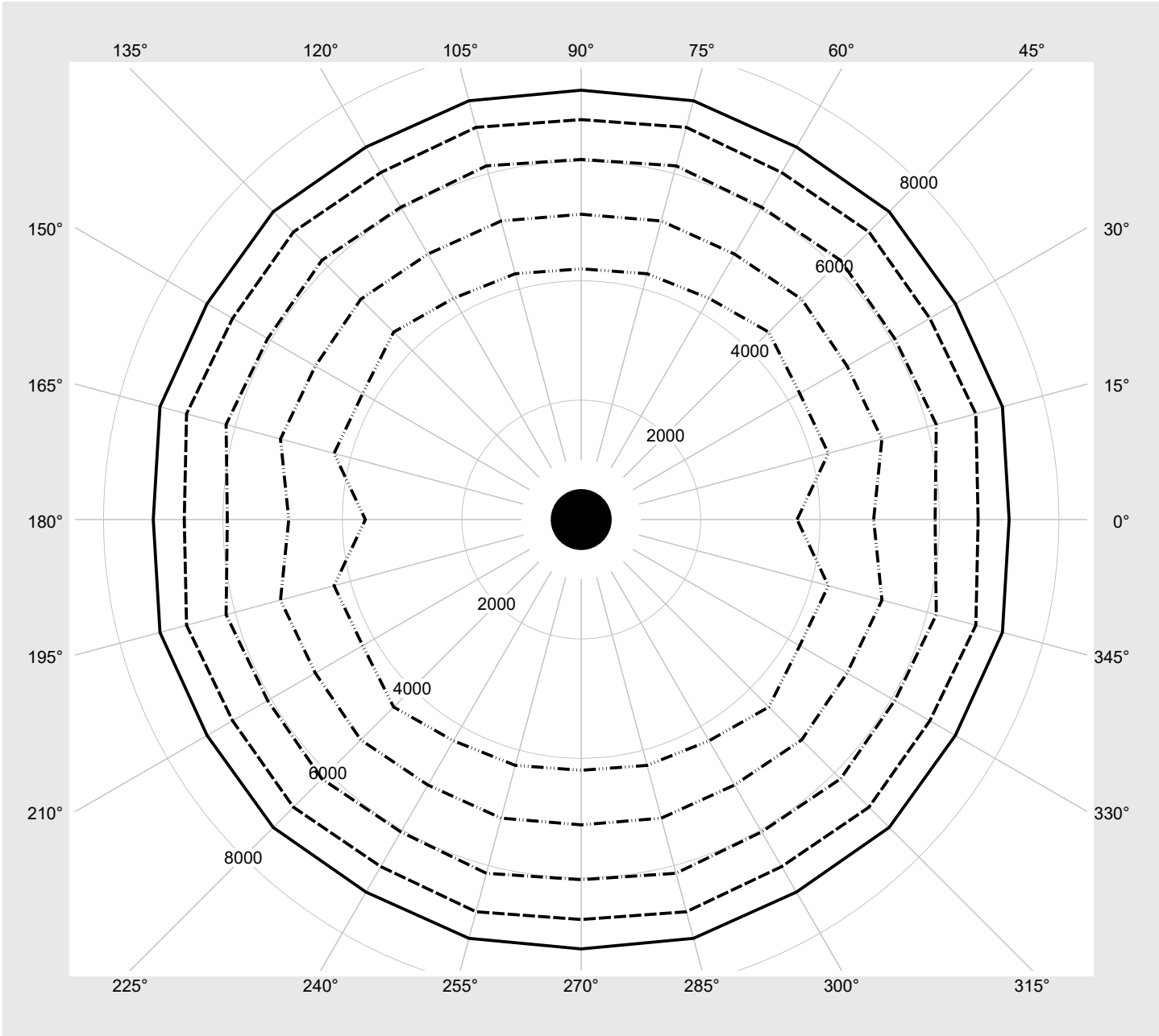
Lichttechnische Abmessungen in mm: D = 590

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°		8296.4	8374.7	8338.0	8354.6	8315.1	8342.9	8302.9	
50°		8059.6	8151.8	8112.1	8128.4	8088.1	8115.3	8074.5	
55°		7820.8	7919.6	7871.6	7900.9	7846.5	7873.8	7831.8	
60°		7539.1	7650.9	7594.5	7632.9	7565.7	7588.1	7552.4	
65°		7167.2	7303.7	7235.5	7295.2	7207.8	7264.4	7194.1	
70°		6647.8	6843.1	6742.3	6815.6	6714.1	6803.5	6701.3	
75°		5927.4	6157.1	6063.9	6143.0	6043.2	6135.9	6034.0	
80°		4897.8	5214.4	5142.6	5221.3	5136.0	5179.3	5115.5	
85°		3615.2	4285.4	4225.9	4442.1	4280.2	4264.1	4201.2	

Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8421B EAN: 4058352881729	LP-Nummer 59513_2
------------------------------	--	-----------------------------

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



Lichttechnischer Prüfbefund

Familie Round 21 M	Bestell-Nr.: 51MR36GM8421B EAN: 4058352881729	LP-Nummer 59513_2
------------------------------	--	-----------------------------

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

DIP-Stufe	Schalterstellung				Lichtstrom [lm]	Systemleistung [W]
	1	2	3	4		
15	ON	ON	ON	ON	8190	60.8
14	ON	ON	ON	OFF	7900	58.5
13	ON	ON	OFF	ON	7610	56.2
12	ON	ON	OFF	OFF	7320	54.1
11	ON	OFF	ON	ON	7100	51.9
10	ON	OFF	ON	OFF	6800	49.6
9	ON	OFF	OFF	ON	6510	47.4
8	ON	OFF	OFF	OFF	6210	45.1
7	OFF	ON	ON	ON	5970	43.0
6	OFF	ON	ON	OFF	5670	40.8
5	OFF	ON	OFF	ON	5370	38.5
4	OFF	ON	OFF	OFF	5070	36.3
3	OFF	OFF	ON	ON	4810	34.2
2	OFF	OFF	ON	OFF	4510	32.0
1	OFF	OFF	OFF	ON	4200	29.6
0	OFF	OFF	OFF	OFF	3900	27.7