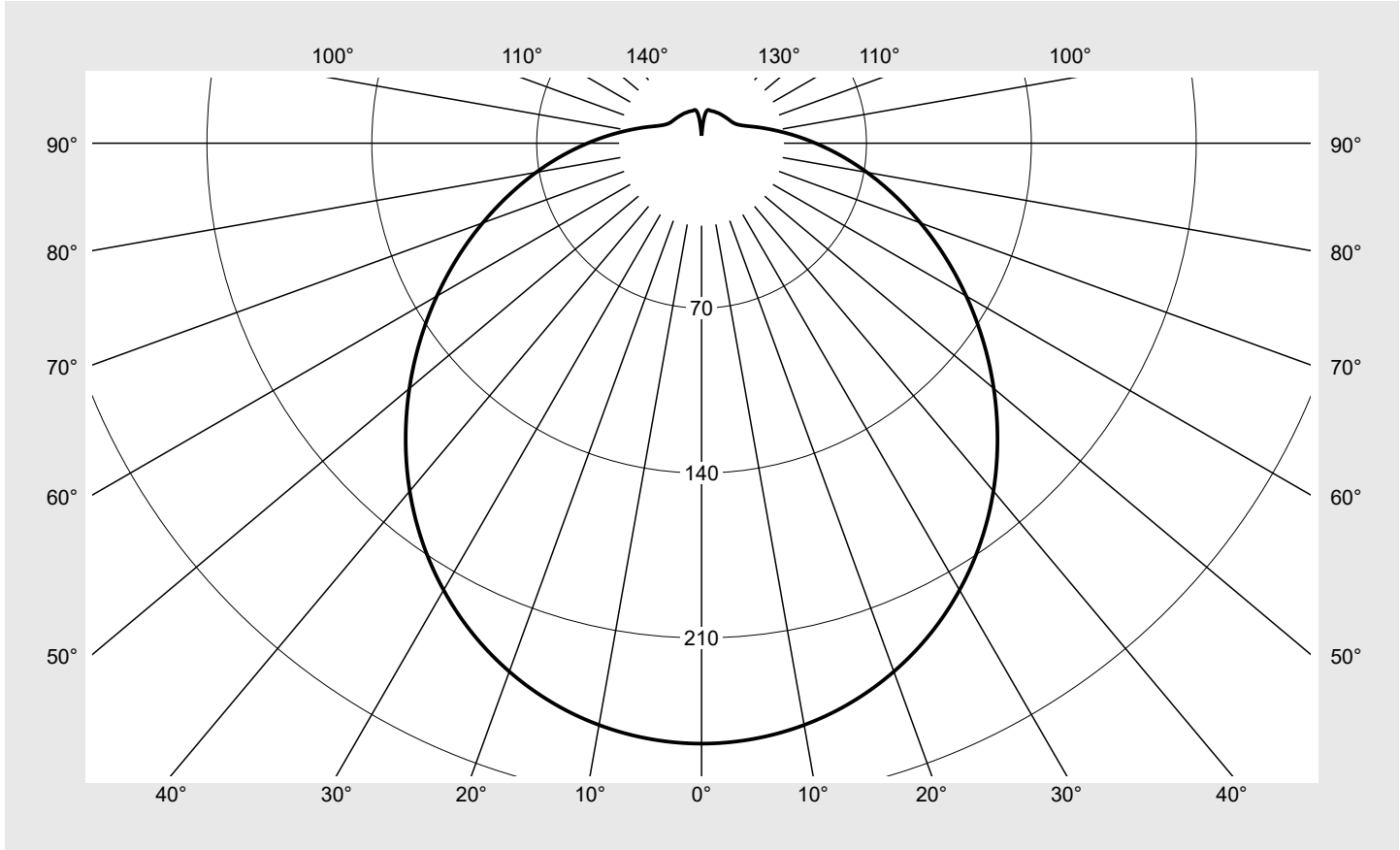


Photometric test report

Family Rondel 41	Order number: 51WD107BG2A EAN: 4058352520963	LP number 59295_4
	Version enclosure of PMMA, opal, adjustable color temperature: 3000 K 4000 K, extremely wide distribution	serial documentation 19.08.2022
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Setting factory setting: colour temperature 4000K	
Rated values	Net luminous flux = 2300 lm Power consumption = 21.0 W Luminous efficacy = 109.5 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 255 cd/klm**



Classifications	
DIN 5040	B 3 1
CIE	N1=40 N2=69 N3=88 N4=86 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	86.4%
ϕ_o	13.6%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Rondel 41	Order number: 51WD107BG2A EAN: 4058352520963	LP number 59295_4
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Table of values for luminous intensities	Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	254.9	1.5	1.5
5°	253.8	12.1	13.6
10°	250.8	23.9	37.5
15°	245.7	34.9	72.4
20°	238.7	44.7	117.1
25°	229.8	53.2	170.4
30°	219.0	60.0	230.4
35°	206.7	65.0	295.4
40°	192.8	67.9	363.3
45°	177.7	68.9	432.1
50°	161.9	68.0	500.1
55°	145.8	65.5	565.6
60°	129.8	61.6	627.2
65°	114.1	56.7	683.9
70°	98.9	50.9	734.8
75°	84.5	44.8	779.6
80°	71.3	38.5	818.1
85°	59.2	32.3	850.4
90°	48.4	26.5	876.9
95°	39.2	21.4	898.3
100°	31.6	17.1	915.4
105°	25.7	13.6	929.0
110°	21.2	10.9	939.9
115°	18.2	9.0	948.9
120°	16.5	7.9	956.8
125°	15.7	7.1	963.9
130°	15.4	6.5	970.3
135°	15.1	5.9	976.2
140°	14.9	5.2	981.4
145°	14.7	4.6	986.0
150°	14.7	4.0	990.1
155°	14.5	3.4	993.4
160°	14.4	2.7	996.1
165°	14.3	2.0	998.2
170°	14.2	1.4	999.5
175°	10.0	0.5	1000.0
180°	3.2	0.0	1000.0

Photometric test report

Family Rondel 41	Order number: 51WD107BG2A EAN: 4058352520963	LP number 59295_4
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UGR-Table	Standard room	siteco
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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	17.1	18.7	17.5	19.1	19.6	17.1	18.7	17.5	19.1	19.6
	3H	19.0	20.4	19.4	20.9	21.4	19.0	20.4	19.4	20.9	21.4
	4H	19.8	21.1	20.3	21.6	22.2	19.8	21.1	20.3	21.6	22.2
	6H	20.6	21.9	21.2	22.4	23.0	20.6	21.9	21.2	22.4	23.0
	8H	21.0	22.2	21.6	22.8	23.4	21.0	22.2	21.6	22.8	23.4
	12H	21.4	22.5	22.0	23.1	23.7	21.4	22.5	22.0	23.1	23.7
4H	2H	17.8	19.2	18.3	19.7	20.2	17.8	19.2	18.3	19.7	20.2
	3H	19.8	21.0	20.4	21.6	22.2	19.8	21.0	20.4	21.6	22.2
	4H	20.9	21.9	21.4	22.5	23.1	20.9	21.9	21.4	22.5	23.1
	6H	21.9	22.8	22.5	23.4	24.1	21.9	22.8	22.5	23.4	24.1
	8H	22.3	23.2	22.9	23.8	24.5	22.3	23.2	22.9	23.8	24.5
	12H	22.8	23.6	23.4	24.2	24.9	22.8	23.6	23.4	24.2	24.9
8H	4H	21.3	22.1	21.9	22.8	23.4	21.3	22.1	21.9	22.8	23.4
	6H	22.5	23.2	23.1	23.8	24.6	22.5	23.2	23.1	23.8	24.6
	8H	23.1	23.8	23.7	24.4	25.1	23.1	23.8	23.7	24.4	25.1
	12H	23.7	24.3	24.4	25.0	25.7	23.7	24.3	24.4	25.0	25.7
12H	4H	21.3	22.1	22.0	22.8	23.5	21.3	22.1	22.0	22.8	23.5
	6H	22.6	23.3	23.3	23.9	24.7	22.6	23.3	23.3	23.9	24.7
	8H	23.3	23.9	24.0	24.5	25.3	23.3	23.9	24.0	24.5	25.3

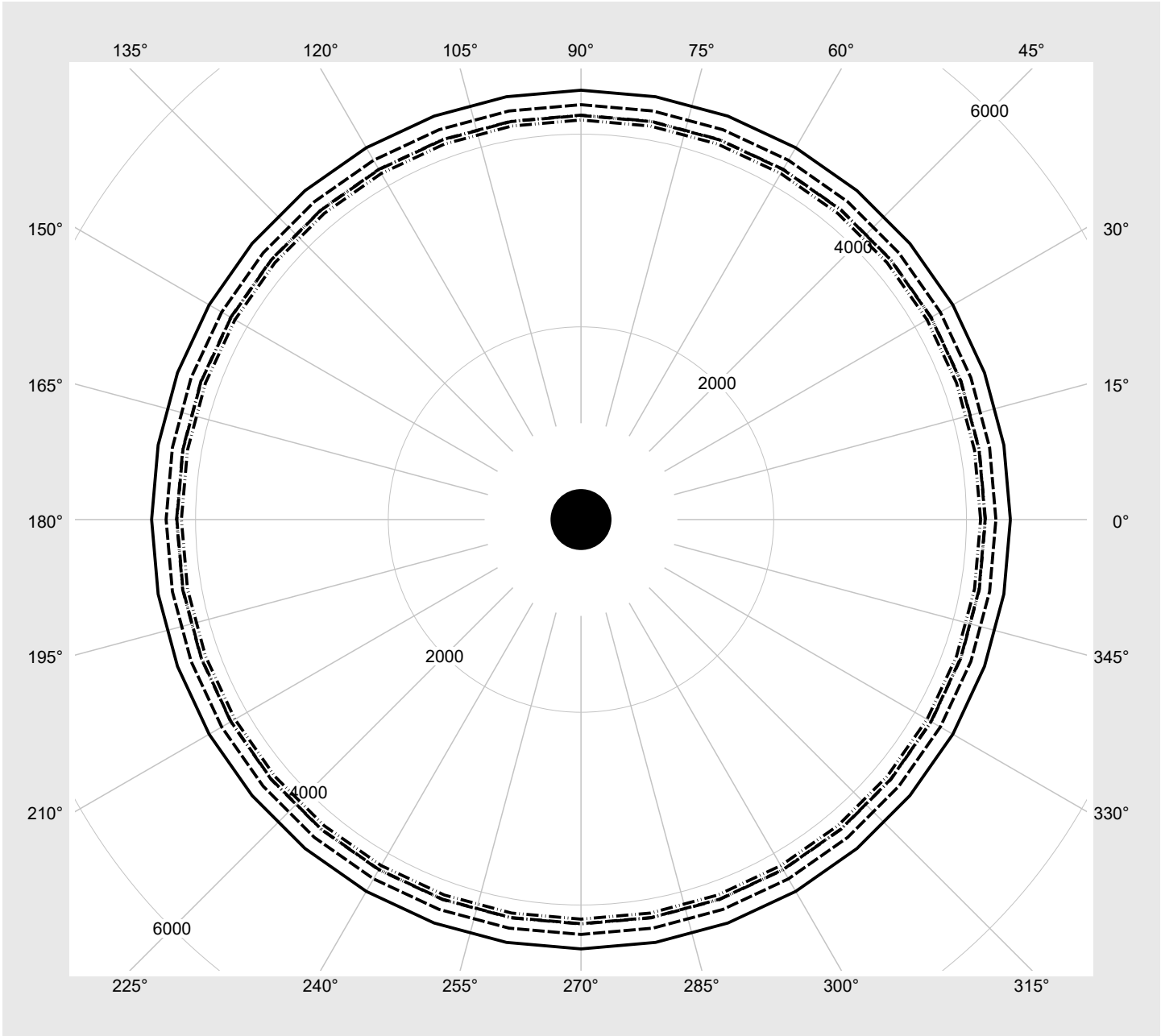
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 330	H(C0) = 76 H(C90) = 76	H(C180) = 76 H(C270) = 76
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C-planes	0°
γ	Luminance in cd/m ²
45°	5224.8
50°	5020.2
55°	4819.5
60°	4628.1
65°	4456.1
70°	4305.8
75°	4194.2
80°	4147.1
85°	4197.3

Photometric test report

Family Rondel 41	Order number: 51WD107BG2A EAN: 4058352520963	LP number 59295_4
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Rondel 41	Order number: 51WD107BG2A EAN: 4058352520963	LP number 59295_4
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting 1	Luminous flux [lm]	Power consumption [W]
1	HIGH	2300	21.0
0	LOW	1750	16.0