
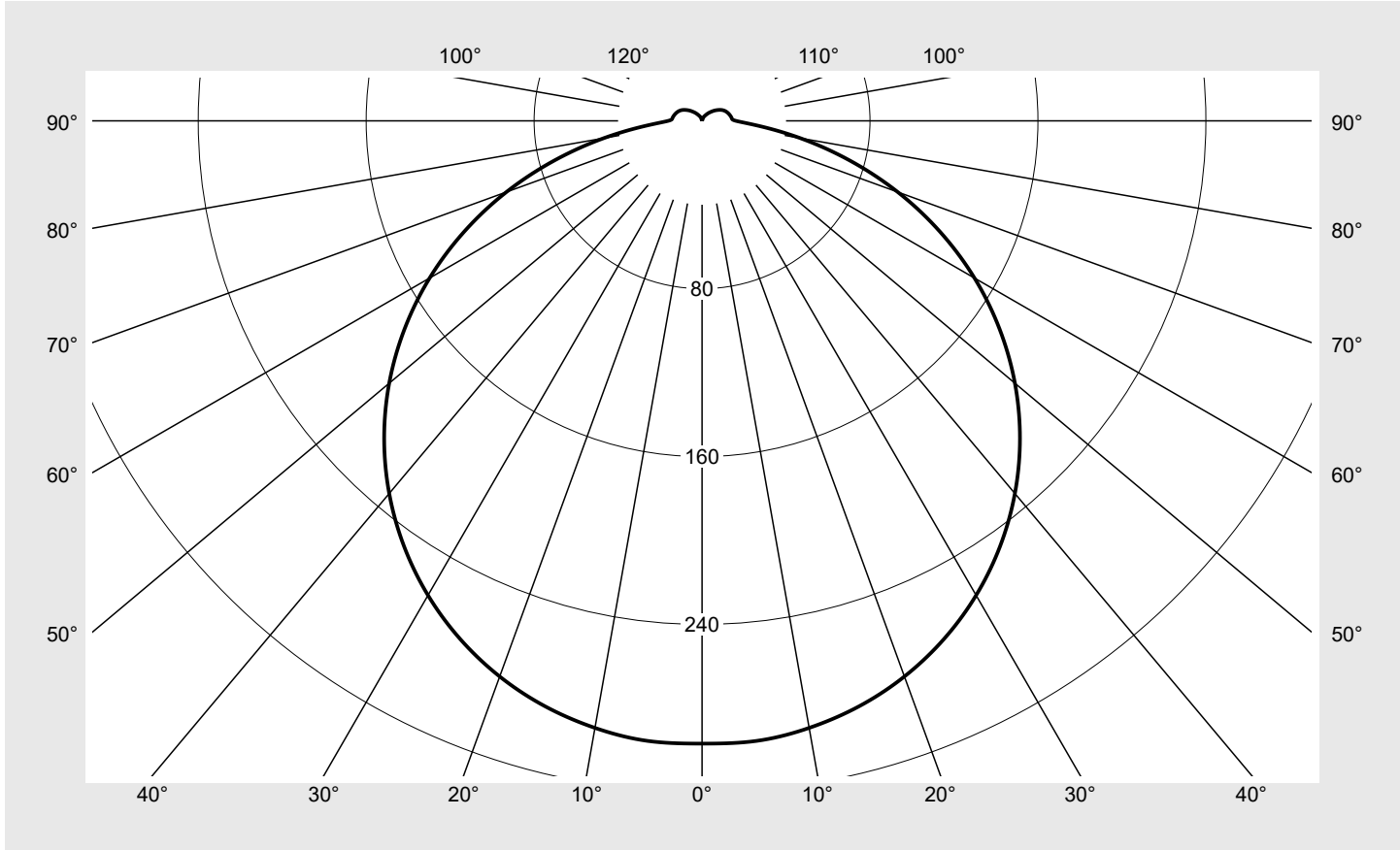


Photometric test report

Family Rondel 31	Order number: 51WC10MA32A EAN: 4058352616895	LP number 59345_25
	Version enclosure, PC, transparent, opal, diffuse beam	serial documentation 18.11.2022
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Rated values <ul style="list-style-type: none"> Net luminous flux = 2450 lm Power consumption = 19.0 W Luminous efficacy = 128.9 lm/W 	
		

Luminous intensity in cd/klm C180-0 **Imax: 297 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=44 N2=75 N3=94 N4=94 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	94.2%
ϕ_o	5.8%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	siteco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	296.8	1.8	1.8
5°	296.7	14.2	15.9
10°	293.8	28.0	43.9
15°	288.9	41.0	84.9
20°	281.8	52.8	137.7
25°	272.6	63.1	200.9
30°	261.1	71.6	272.4
35°	247.5	77.8	350.2
40°	231.8	81.7	431.9
45°	214.2	83.0	514.9
50°	194.6	81.7	596.6
55°	173.0	77.7	674.3
60°	149.9	71.1	745.5
65°	125.1	62.1	807.6
70°	99.2	51.1	858.7
75°	72.7	38.5	897.2
80°	47.5	25.7	922.8
85°	26.9	14.7	937.5
90°	16.1	8.8	946.3
95°	14.2	7.7	954.1
100°	13.7	7.4	961.5
105°	13.1	7.0	968.4
110°	12.4	6.4	974.8
115°	11.6	5.8	980.6
120°	10.4	4.9	985.5
125°	9.0	4.0	989.6
130°	7.6	3.2	992.7
135°	6.1	2.4	995.1
140°	4.9	1.7	996.8
145°	3.8	1.2	998.0
150°	2.9	0.8	998.8
155°	2.2	0.5	999.3
160°	1.6	0.3	999.6
165°	1.3	0.2	999.8
170°	1.2	0.1	999.9
175°	1.2	0.1	1000.0
180°	1.2	0.0	1000.0

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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	18.9	20.6	19.3	20.9	21.3	18.9	20.6	19.3	20.9	21.3
	3H	20.6	22.2	21.0	22.5	22.8	20.6	22.2	21.0	22.5	22.8
	4H	21.3	22.7	21.7	23.1	23.5	21.3	22.7	21.7	23.1	23.5
	6H	21.8	23.1	22.2	23.5	23.9	21.8	23.1	22.2	23.5	23.9
	8H	22.0	23.3	22.4	23.6	24.0	22.0	23.3	22.4	23.6	24.0
	12H	22.1	23.3	22.5	23.7	24.1	22.1	23.3	22.5	23.7	24.1
4H	2H	19.7	21.2	20.1	21.5	21.9	19.7	21.2	20.1	21.5	21.9
	3H	21.5	22.8	22.0	23.2	23.6	21.5	22.8	22.0	23.2	23.6
	4H	22.3	23.5	22.8	23.9	24.3	22.3	23.5	22.8	23.9	24.3
	6H	23.0	24.0	23.4	24.4	24.9	23.0	24.0	23.4	24.4	24.9
	8H	23.2	24.1	23.7	24.6	25.0	23.2	24.1	23.7	24.6	25.0
	12H	23.4	24.2	23.9	24.7	25.2	23.4	24.2	23.9	24.7	25.2
8H	4H	22.7	23.6	23.2	24.1	24.5	22.7	23.6	23.2	24.1	24.5
	6H	23.5	24.2	23.9	24.7	25.2	23.5	24.2	23.9	24.7	25.2
	8H	23.8	24.5	24.3	24.9	25.4	23.8	24.5	24.3	24.9	25.4
	12H	24.0	24.6	24.5	25.1	25.7	24.0	24.6	24.5	25.1	25.7
12H	4H	22.8	23.6	23.2	24.0	24.5	22.8	23.6	23.2	24.0	24.5
	6H	23.6	24.2	24.1	24.7	25.2	23.6	24.2	24.1	24.7	25.2
	8H	23.9	24.5	24.4	25.0	25.5	23.9	24.5	24.4	25.0	25.5

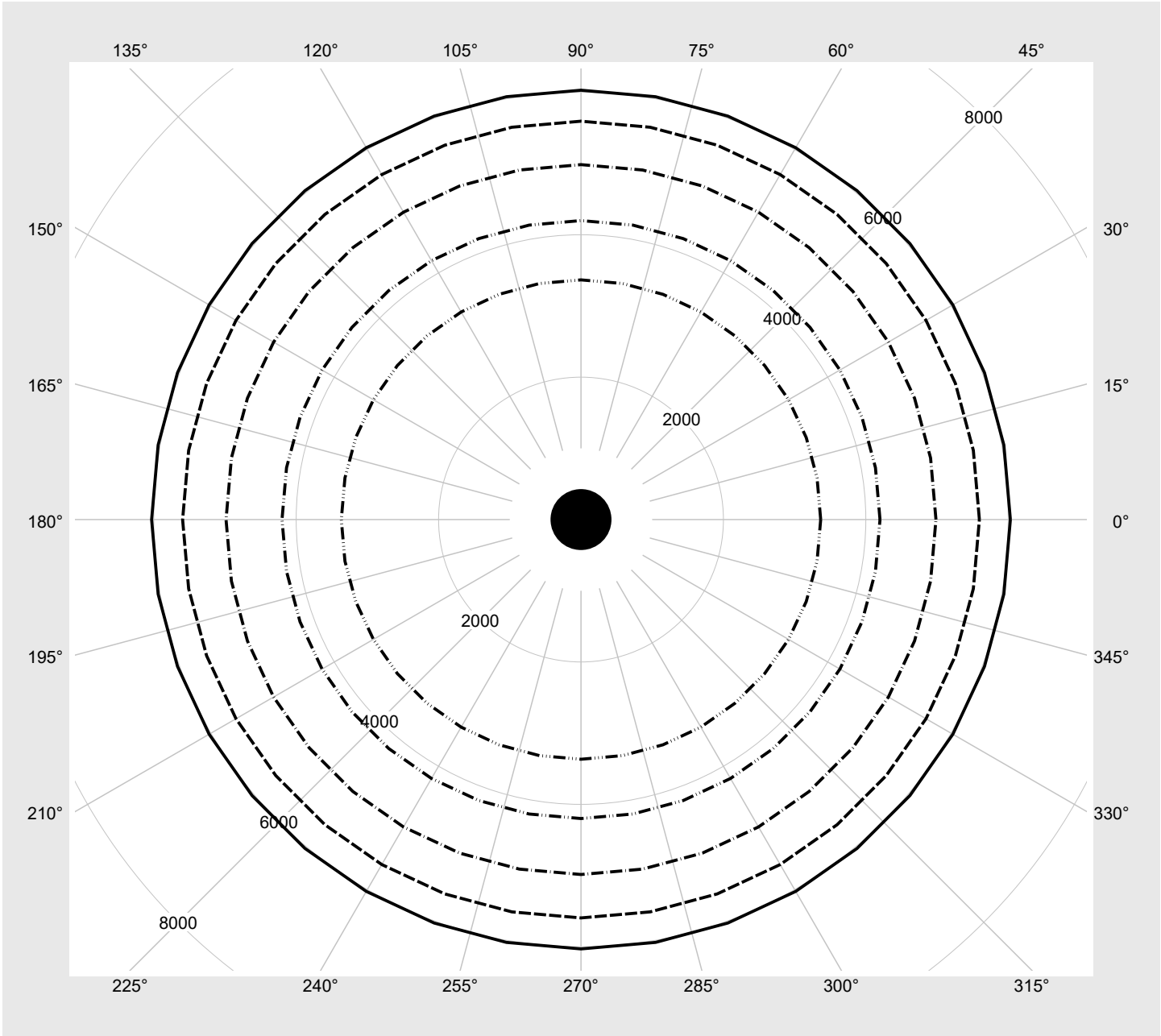
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 350	H(C0) = 32 H(C90) = 32	H(C180) = 32 H(C270) = 32
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C-planes	0°
γ	Luminance in cd/m ²
45°	6908.2
50°	6768.4
55°	6586.6
60°	6351.4
65°	6030.2
70°	5595.0
75°	4985.1
80°	4199.1
85°	3366.3

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



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting		Luminous flux [lm]	Power consumption [W]
	1	2		
3	ON	ON	2450	19.0
2	ON	OFF	2280	17.5
1	OFF	ON	2040	15.5
0	OFF	OFF	1800	13.5