

Photometric test report

Family
Rondel 31

Order number: 5PJDN11MA1G20B
EAN: 4069025155900

LP number
59497_19

serial
documentation
23.06.2026

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Version surface-mounted luminaire, diffuser, cambered, opal, PMMA, extremely wide distribution, adjustable color temperature: 3000 K | 4000 K

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG Multilumen

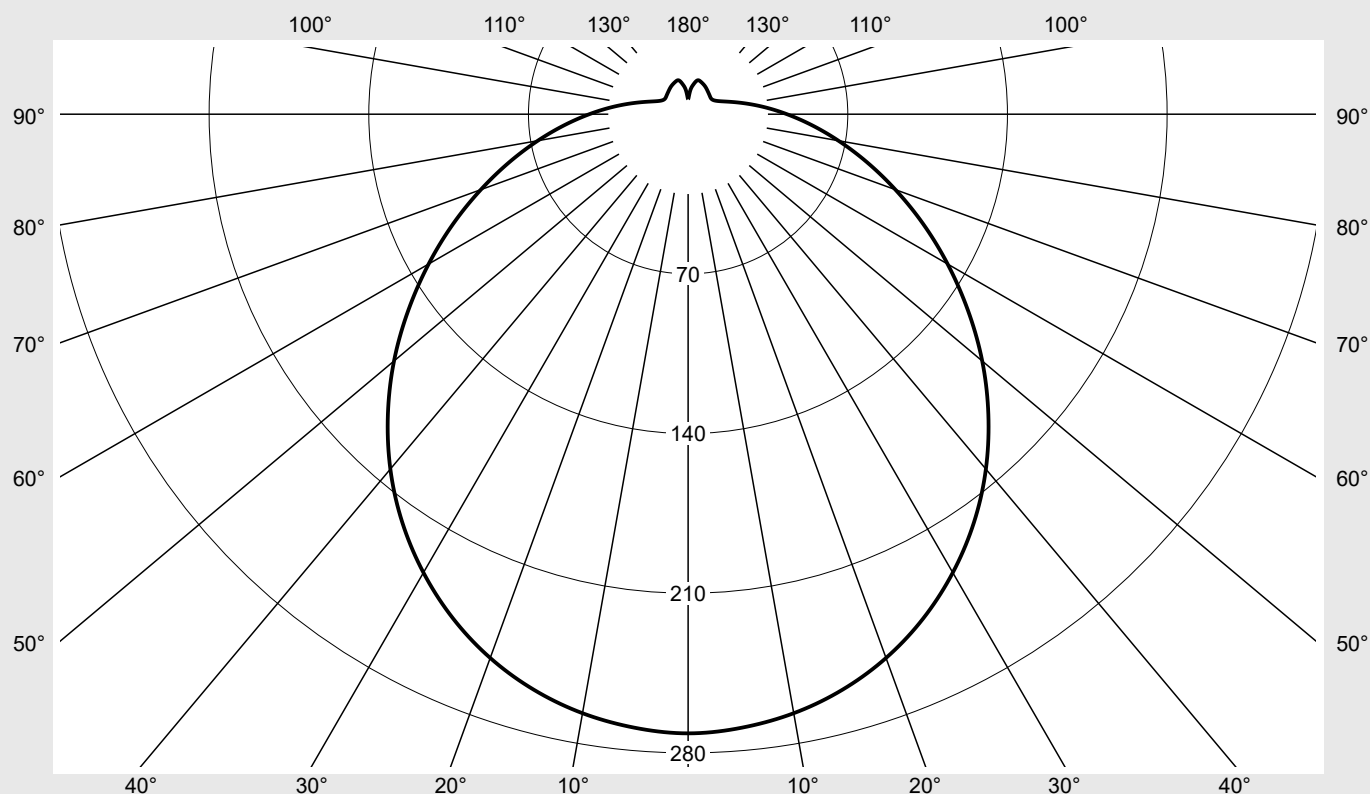
Setting factory setting: DIP-Step=7, colour temperature 4000K

Rated values Net luminous flux = 2500 lm
Power consumption = 20.0 W
Luminous efficacy = 125 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 271 cd/klm



Classifications

DIN 5040 B 3 1
CIE N1=42 N2=71 N3=89
N4=88 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 88.4%
 ϕ_o 11.6%

Measurement conditions

DIN EN 13032 and DIN 5032

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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°	271.4	1.6	1.6
5°	270.0	12.9	14.5
10°	266.7	25.4	39.9
15°	261.2	37.1	77.0
20°	253.7	47.6	124.5
25°	243.9	56.5	181.0
30°	232.1	63.6	244.6
35°	218.5	68.7	313.3
40°	203.1	71.6	384.9
45°	186.2	72.2	457.0
50°	168.3	70.7	527.7
55°	149.7	67.2	594.9
60°	131.4	62.4	657.3
65°	113.6	56.5	713.7
70°	96.7	49.8	763.5
75°	81.1	42.9	806.5
80°	66.9	36.1	842.6
85°	54.3	29.7	872.3
90°	43.3	23.8	896.0
95°	34.1	18.6	914.6
100°	26.4	14.3	928.9
105°	20.6	10.9	939.8
110°	16.4	8.4	948.2
115°	13.8	6.9	955.1
120°	12.5	6.0	961.0
125°	12.2	5.5	966.5
130°	12.4	5.2	971.7
135°	12.8	5.0	976.7
140°	13.3	4.7	981.4
145°	13.9	4.4	985.7
150°	14.4	4.0	989.7
155°	14.9	3.5	993.2
160°	15.4	2.9	996.0
165°	15.3	2.2	998.2
170°	13.2	1.3	999.5
175°	10.3	0.5	1000.0
180°	6.6	0.0	1000.0

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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	19.0	20.6	19.4	21.0	21.5	19.0	20.6	19.4	21.0	21.5
	3H	20.8	22.3	21.3	22.8	23.3	20.8	22.3	21.3	22.8	23.3
	4H	21.7	23.1	22.2	23.5	24.1	21.7	23.1	22.2	23.5	24.1
	6H	22.5	23.8	23.1	24.3	24.9	22.5	23.8	23.1	24.3	24.9
	8H	23.0	24.2	23.5	24.7	25.3	23.0	24.2	23.5	24.7	25.3
	12H	23.4	24.5	23.9	25.1	25.7	23.4	24.5	23.9	25.1	25.7
4H	2H	19.7	21.1	20.2	21.6	22.1	19.7	21.1	20.2	21.6	22.1
	3H	21.7	22.9	22.3	23.4	24.0	21.7	22.9	22.3	23.4	24.0
	4H	22.8	23.9	23.3	24.4	25.0	22.8	23.9	23.3	24.4	25.0
	6H	23.8	24.8	24.4	25.3	26.0	23.8	24.8	24.4	25.3	26.0
	8H	24.3	25.2	24.9	25.8	26.4	24.3	25.2	24.9	25.8	26.4
	12H	24.8	25.6	25.4	26.2	26.9	24.8	25.6	25.4	26.2	26.9
8H	4H	23.2	24.1	23.8	24.7	25.3	23.2	24.1	23.8	24.7	25.3
	6H	24.5	25.2	25.1	25.8	26.5	24.5	25.2	25.1	25.8	26.5
	8H	25.1	25.7	25.7	26.4	27.1	25.1	25.7	25.7	26.4	27.1
	12H	25.8	26.3	26.4	27.0	27.7	25.8	26.3	26.4	27.0	27.7
12H	4H	23.3	24.1	23.9	24.7	25.4	23.3	24.1	23.9	24.7	25.4
	6H	24.6	25.3	25.2	25.9	26.6	24.6	25.3	25.2	25.9	26.6
	8H	25.3	25.9	26.0	26.5	27.3	25.3	25.9	26.0	26.5	27.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 290	H(C0) = 35 H(C90) = 35	H(C180) = 35 H(C270) = 35
C-planes	0°					
γ	Luminance in cd/m²					
45°	8636.9					
50°	8377.0					
55°	8101.4					
60°	7853.8					
65°	7654.4					
70°	7524.4					
75°	7537.7					
80°	7792.8					
85°	8556.1					

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Luminance values in cd/m²

γ 65°

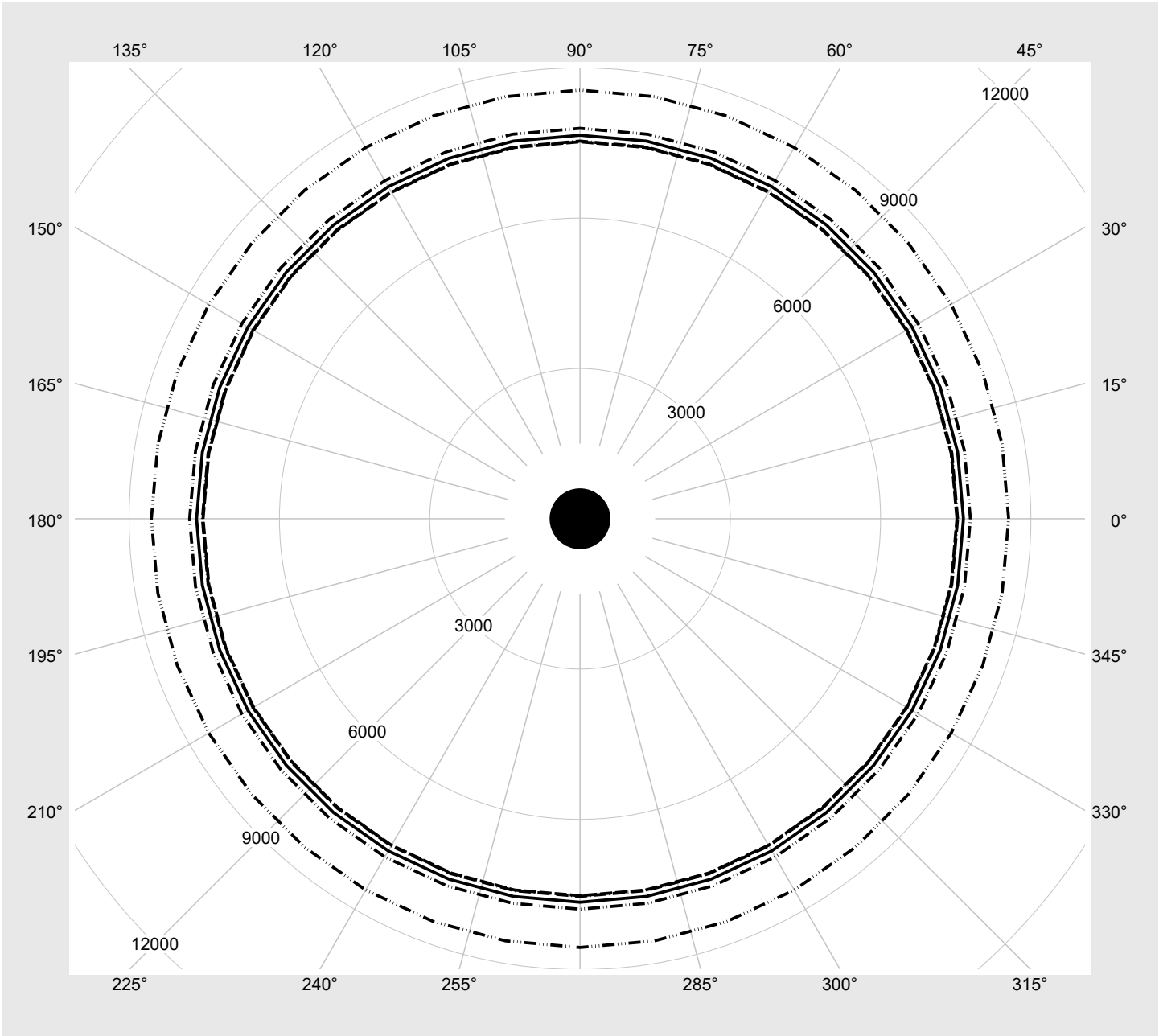
γ 70°

γ 75°

γ 80°

γ 85°

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Family Rondel 31	Order number: 5PJDN11MA1G20B EAN: 4069025155900	LP number 59497_19
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	2500	20.0
6	OFF	ON	ON	2300	18.0
5	ON	OFF	ON	2100	17.0
4	OFF	OFF	ON	1900	15.0
3	ON	ON	OFF	1700	14.0
2	OFF	ON	OFF	1500	12.0
1	ON	OFF	OFF	1300	11.0
0	OFF	OFF	OFF	1100	9.0