

Photometric test report

Family
Rondel 31

Order number: 5PJDN11MB1G30B
EAN: 4069025155924

LP number
59497_21

serial
documentation
23.06.2026



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

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG Multilumen

Setting individual position: DIP-Step=7, colour temperature 3000K

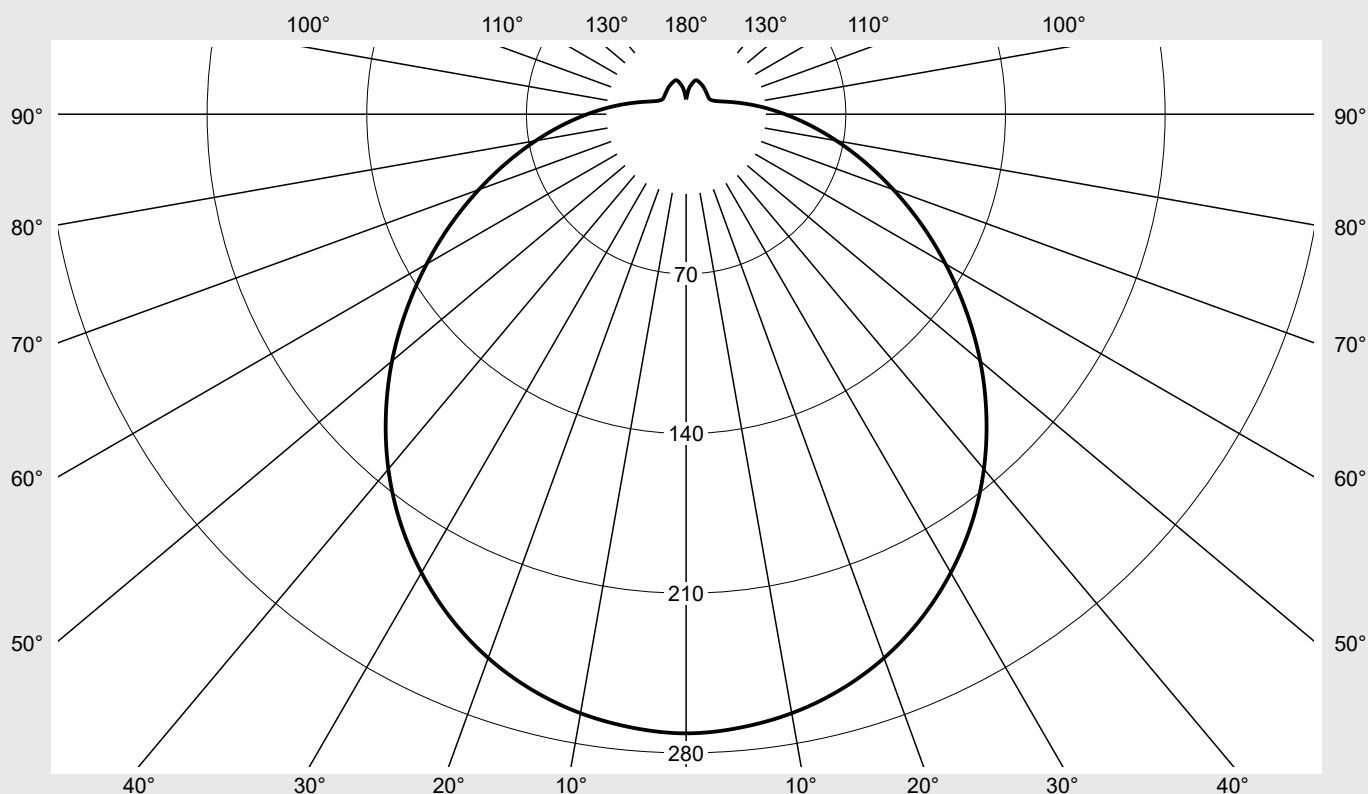
Rated values Net luminous flux = 3000 lm
Power consumption = 24.0 W
Luminous efficacy = 125 lm/W

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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	18.1	19.7	18.5	20.1	20.6	18.1	19.7	18.5	20.1	20.6
	3H	19.9	21.4	20.4	21.9	22.4	19.9	21.4	20.4	21.9	22.4
	4H	20.8	22.2	21.3	22.6	23.2	20.8	22.2	21.3	22.6	23.2
	6H	21.6	22.9	22.2	23.4	24.0	21.6	22.9	22.2	23.4	24.0
	8H	22.1	23.3	22.6	23.8	24.4	22.1	23.3	22.6	23.8	24.4
	12H	22.5	23.6	23.0	24.1	24.7	22.5	23.6	23.0	24.1	24.7
4H	2H	18.8	20.2	19.3	20.7	21.2	18.8	20.2	19.3	20.7	21.2
	3H	20.8	22.0	21.4	22.5	23.1	20.8	22.0	21.4	22.5	23.1
	4H	21.9	23.0	22.4	23.5	24.1	21.9	23.0	22.4	23.5	24.1
	6H	22.9	23.9	23.5	24.4	25.1	22.9	23.9	23.5	24.4	25.1
	8H	23.4	24.3	24.0	24.9	25.5	23.4	24.3	24.0	24.9	25.5
	12H	23.9	24.7	24.5	25.3	26.0	23.9	24.7	24.5	25.3	26.0
8H	4H	22.3	23.2	22.9	23.8	24.4	22.3	23.2	22.9	23.8	24.4
	6H	23.5	24.3	24.2	24.9	25.6	23.5	24.3	24.2	24.9	25.6
	8H	24.2	24.8	24.8	25.5	26.2	24.2	24.8	24.8	25.5	26.2
	12H	24.8	25.4	25.5	26.0	26.8	24.8	25.4	25.5	26.0	26.8
12H	4H	22.4	23.2	23.0	23.8	24.5	22.4	23.2	23.0	23.8	24.5
	6H	23.7	24.3	24.3	25.0	25.7	23.7	24.3	24.3	25.0	25.7
	8H	24.4	25.0	25.0	25.6	26.3	24.4	25.0	25.0	25.6	26.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 360	H(C0) = 45 H(C90) = 45	H(C180) = 45 H(C270) = 45
C-planes	0°					
γ	Luminance in cd/m²					
45°	6693.7					
50°	6487.3					
55°	6268.3					
60°	6070.2					
65°	5908.2					
70°	5797.8					
75°	5794.2					
80°	5969.0					
85°	6514.4					

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Luminance values in cd/m²

γ 65°

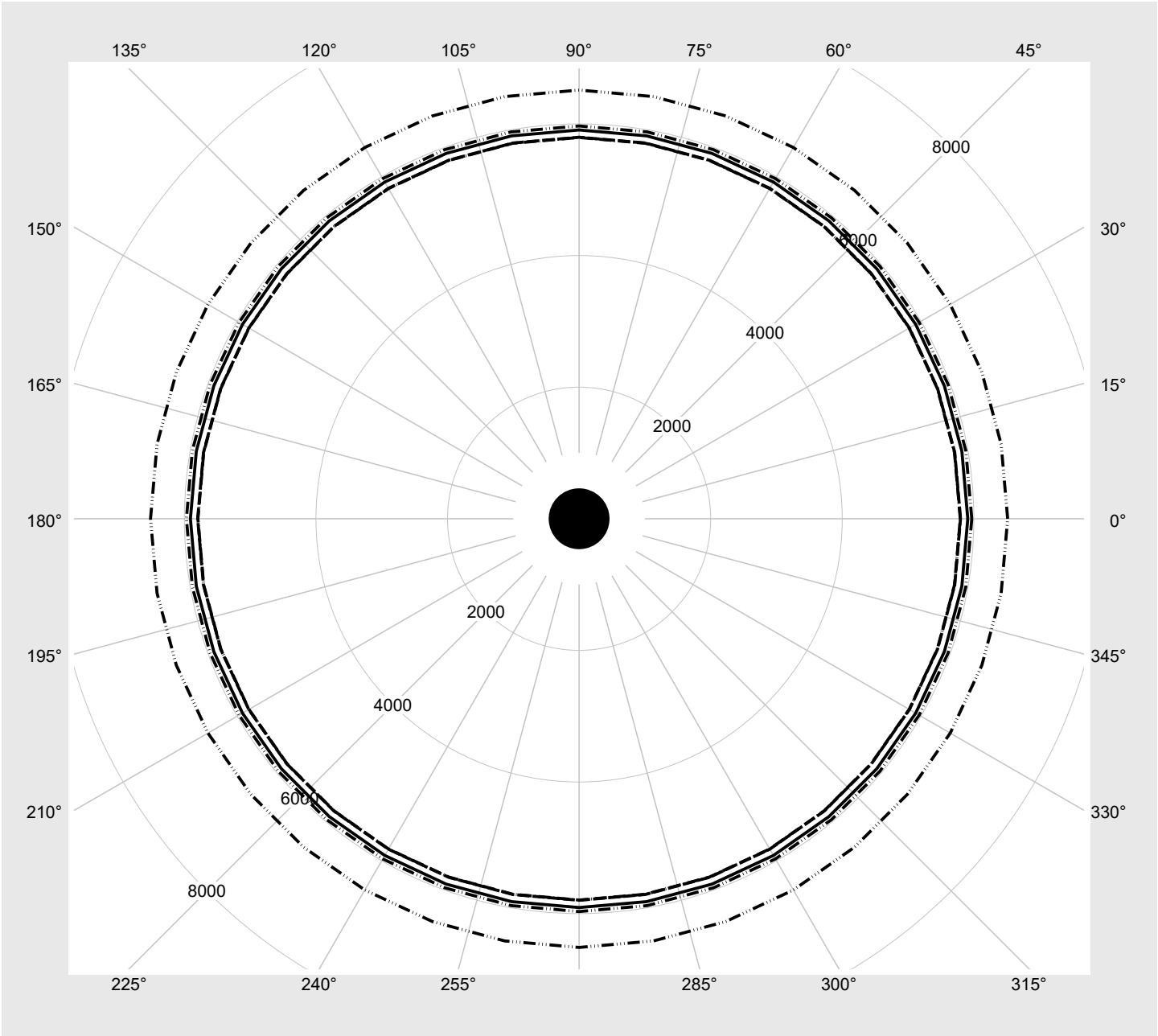
γ 70°

γ 75°

γ 80°

γ 85°

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Family Rondel 31	Order number: 5PJDN11MB1G30B EAN: 4069025155924	LP number 59497_21
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3000	24.0
6	OFF	ON	ON	2800	22.0
5	ON	OFF	ON	2600	21.0
4	OFF	OFF	ON	2400	19.0
3	ON	ON	OFF	2200	17.0
2	OFF	ON	OFF	2000	15.0
1	ON	OFF	OFF	1800	14.0
0	OFF	OFF	OFF	1600	12.0