

Photometric test report

Family
Rondel 31

Order number: 5PJDN11MC1G40B
EAN: 4069025155955

LP number
59497_22

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 3000 K | CRI ≥ 80

Controlgear ECG Multilumen

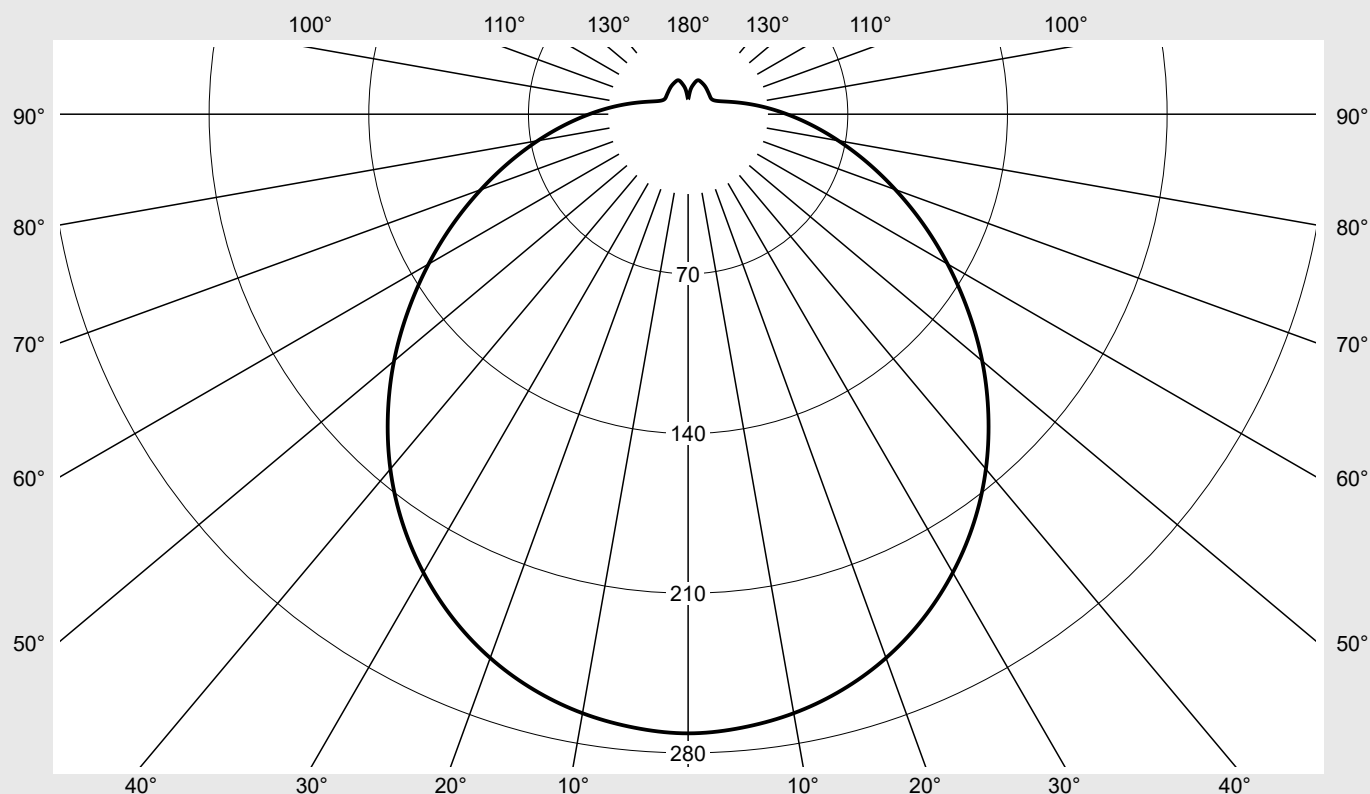
Setting individual position: DIP-Step=7, colour temperature 3000K

Rated values Net luminous flux = 4700 lm
Power consumption = 39.0 W
Luminous efficacy = 120.5 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	17.8	19.5	18.3	19.9	20.4	17.8	19.5	18.3	19.9	20.4
	3H	19.7	21.2	20.2	21.6	22.1	19.7	21.2	20.2	21.6	22.1
	4H	20.5	21.9	21.0	22.4	22.9	20.5	21.9	21.0	22.4	22.9
	6H	21.4	22.7	21.9	23.2	23.7	21.4	22.7	21.9	23.2	23.7
	8H	21.8	23.0	22.4	23.5	24.1	21.8	23.0	22.4	23.5	24.1
	12H	22.2	23.4	22.8	23.9	24.5	22.2	23.4	22.8	23.9	24.5
4H	2H	18.6	20.0	19.1	20.4	21.0	18.6	20.0	19.1	20.4	21.0
	3H	20.6	21.8	21.1	22.3	22.9	20.6	21.8	21.1	22.3	22.9
	4H	21.6	22.7	22.2	23.3	23.9	21.6	22.7	22.2	23.3	23.9
	6H	22.7	23.6	23.2	24.2	24.8	22.7	23.6	23.2	24.2	24.8
	8H	23.2	24.0	23.7	24.6	25.3	23.2	24.0	23.7	24.6	25.3
	12H	23.7	24.4	24.3	25.0	25.7	23.7	24.4	24.3	25.0	25.7
8H	4H	22.1	22.9	22.7	23.5	24.2	22.1	22.9	22.7	23.5	24.2
	6H	23.3	24.0	23.9	24.6	25.3	23.3	24.0	23.9	24.6	25.3
	8H	23.9	24.6	24.5	25.2	25.9	23.9	24.6	24.5	25.2	25.9
	12H	24.6	25.1	25.2	25.8	26.5	24.6	25.1	25.2	25.8	26.5
12H	4H	22.2	22.9	22.8	23.5	24.2	22.2	22.9	22.8	23.5	24.2
	6H	23.5	24.1	24.1	24.7	25.4	23.5	24.1	24.1	24.7	25.4
	8H	24.2	24.7	24.8	25.4	26.1	24.2	24.7	24.8	25.4	26.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 464	H(C0) = 60 H(C90) = 60	H(C180) = 60 H(C270) = 60
C-planes	0°					
γ	Luminance in cd/m²					
45°	6282.9					
50°	6084.6					
55°	5873.9					
60°	5682.3					
65°	5523.4					
70°	5411.0					
75°	5395.1					
80°	5538.6					
85°	6009.9					

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Luminance values in cd/m²

γ 65°

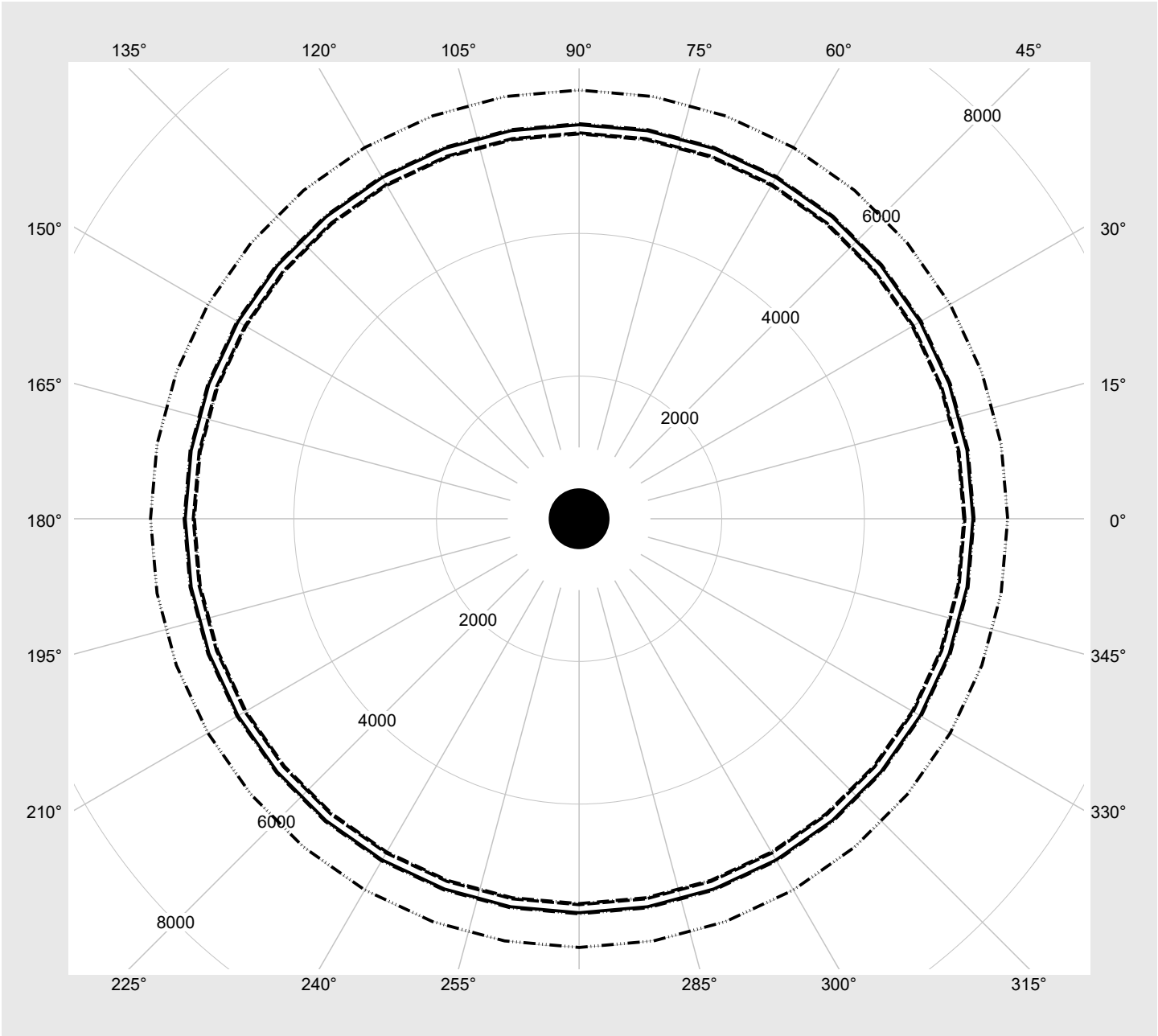
γ 70°

γ 75°

γ 80°

γ 85°

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Family Rondel 31	Order number: 5PJDN11MC1G40B EAN: 4069025155955	LP number 59497_22
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4700	39.0
6	OFF	ON	ON	4500	37.0
5	ON	OFF	ON	4300	35.0
4	OFF	OFF	ON	4000	33.0
3	ON	ON	OFF	3800	31.0
2	OFF	ON	OFF	3600	29.0
1	ON	OFF	OFF	3400	27.0
0	OFF	OFF	OFF	3200	25.0