

Photometric test report

Family
Rondel 21

Order number: 51WB14MC82B
EAN: 4069025719614

LP number
60045_8

serial
documentation
27.04.2026

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Version

surface-mounted luminaire, cover opal,
polycarbonate, diffuse beam, adjustable color
temperature: 3000 K | 4000 K

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG Multilumen

Setting

colour temperature 4000K

Rated values

Net luminous flux = 1800 lm

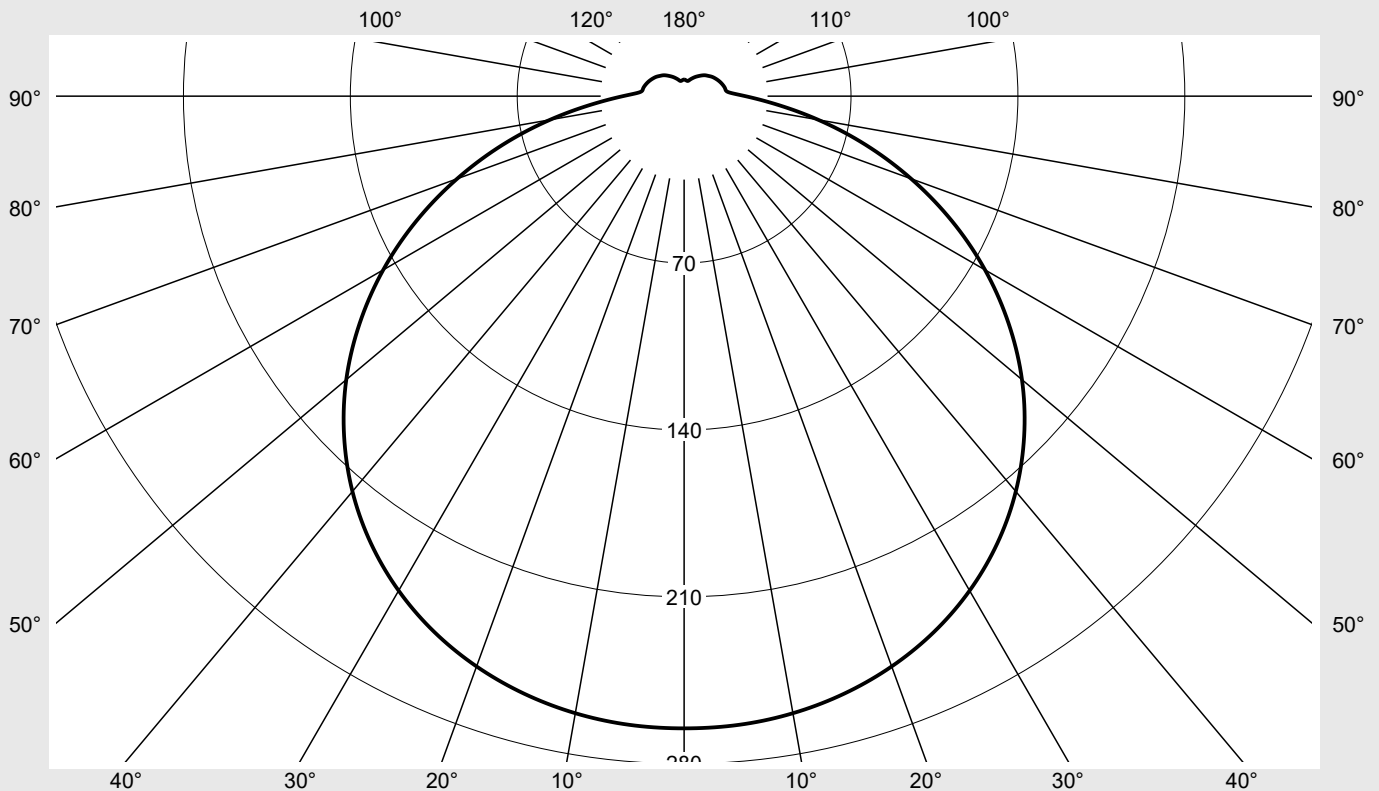
Power consumption = 15.0 W

Luminous efficacy = 120 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 265 cd/klm



Classifications

DIN 5040 A 3 1
CIE N1=42 N2=73 N3=92
N4=91 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 90.9%
 ϕ_o 9.1%

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°	265.2	1.6	1.6
5°	264.7	12.6	14.2
10°	262.8	25.0	39.2
15°	259.4	36.8	76.1
20°	254.5	47.7	123.8
25°	248.0	57.4	181.2
30°	239.5	65.6	246.8
35°	229.0	72.0	318.8
40°	216.4	76.3	395.1
45°	201.7	78.2	473.3
50°	185.0	77.7	550.9
55°	166.1	74.6	625.5
60°	145.7	69.2	694.7
65°	123.9	61.6	756.3
70°	101.4	52.2	808.5
75°	78.8	41.7	850.2
80°	57.1	30.8	881.1
85°	38.5	21.0	902.1
90°	25.7	14.1	916.2
95°	18.7	10.2	926.4
100°	17.5	9.5	935.9
105°	17.1	9.0	944.9
110°	16.4	8.5	953.4
115°	15.7	7.8	961.2
120°	15.0	7.1	968.3
125°	14.2	6.4	974.7
130°	13.2	5.6	980.2
135°	12.4	4.8	985.0
140°	11.3	4.0	989.0
145°	10.2	3.2	992.2
150°	9.3	2.5	994.7
155°	8.3	1.9	996.7
160°	7.4	1.4	998.1
165°	6.7	0.9	999.0
170°	6.6	0.6	999.6
175°	6.8	0.3	1000.0
180°	7.0	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	18.8	20.6	19.2	20.9	21.2	18.8	20.6	19.2	20.9	21.2
	3H	20.7	22.3	21.1	22.6	23.0	20.7	22.3	21.1	22.6	23.0
	4H	21.5	23.1	21.9	23.4	23.8	21.5	23.1	21.9	23.4	23.8
	6H	22.3	23.7	22.7	24.1	24.4	22.3	23.7	22.7	24.1	24.4
	8H	22.6	24.0	23.0	24.3	24.7	22.6	24.0	23.0	24.3	24.7
	12H	22.9	24.2	23.4	24.6	25.0	22.9	24.2	23.4	24.6	25.0
4H	2H	19.7	21.2	20.1	21.5	21.9	19.7	21.2	20.1	21.5	21.9
	3H	21.7	23.1	22.2	23.4	23.8	21.7	23.1	22.2	23.4	23.8
	4H	22.7	23.9	23.2	24.3	24.7	22.7	23.9	23.2	24.3	24.7
	6H	23.6	24.6	24.0	25.1	25.5	23.6	24.6	24.0	25.1	25.5
	8H	24.0	25.0	24.5	25.4	25.9	24.0	25.0	24.5	25.4	25.9
	12H	24.4	25.3	24.9	25.7	26.2	24.4	25.3	24.9	25.7	26.2
8H	4H	23.2	24.1	23.6	24.6	25.0	23.2	24.1	23.6	24.6	25.0
	6H	24.2	25.0	24.7	25.5	26.0	24.2	25.0	24.7	25.5	26.0
	8H	24.7	25.5	25.2	25.9	26.4	24.7	25.5	25.2	25.9	26.4
	12H	25.2	25.9	25.7	26.4	26.9	25.2	25.9	25.7	26.4	26.9
12H	4H	23.3	24.1	23.7	24.6	25.1	23.3	24.1	23.7	24.6	25.1
	6H	24.4	25.1	24.9	25.6	26.1	24.4	25.1	24.9	25.6	26.1
	8H	24.9	25.6	25.4	26.1	26.6	24.9	25.6	25.4	26.1	26.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 306	H(C0) = 15 H(C90) = 15	H(C180) = 15 H(C270) = 15
C-planes		0°				
γ	Luminance in cd/m²					
45°	6571.3					
50°	6556.2					
55°	6509.2					
60°	6438.1					
65°	6331.1					
70°	6191.3					
75°	6043.3					
80°	5947.6					
85°	6315.2					

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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