

Photometric test report

Family
Rondel 31

Order number: 51WC10MB34AS
EAN: 4058352616994

LP number
59345_50



Version enclosure, PC, transparent, opal, with presence- and daylightsensor, diffuse beam
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 4250 lm
Power consumption = 35.4 W
Luminous efficacy = 120.1 lm/W

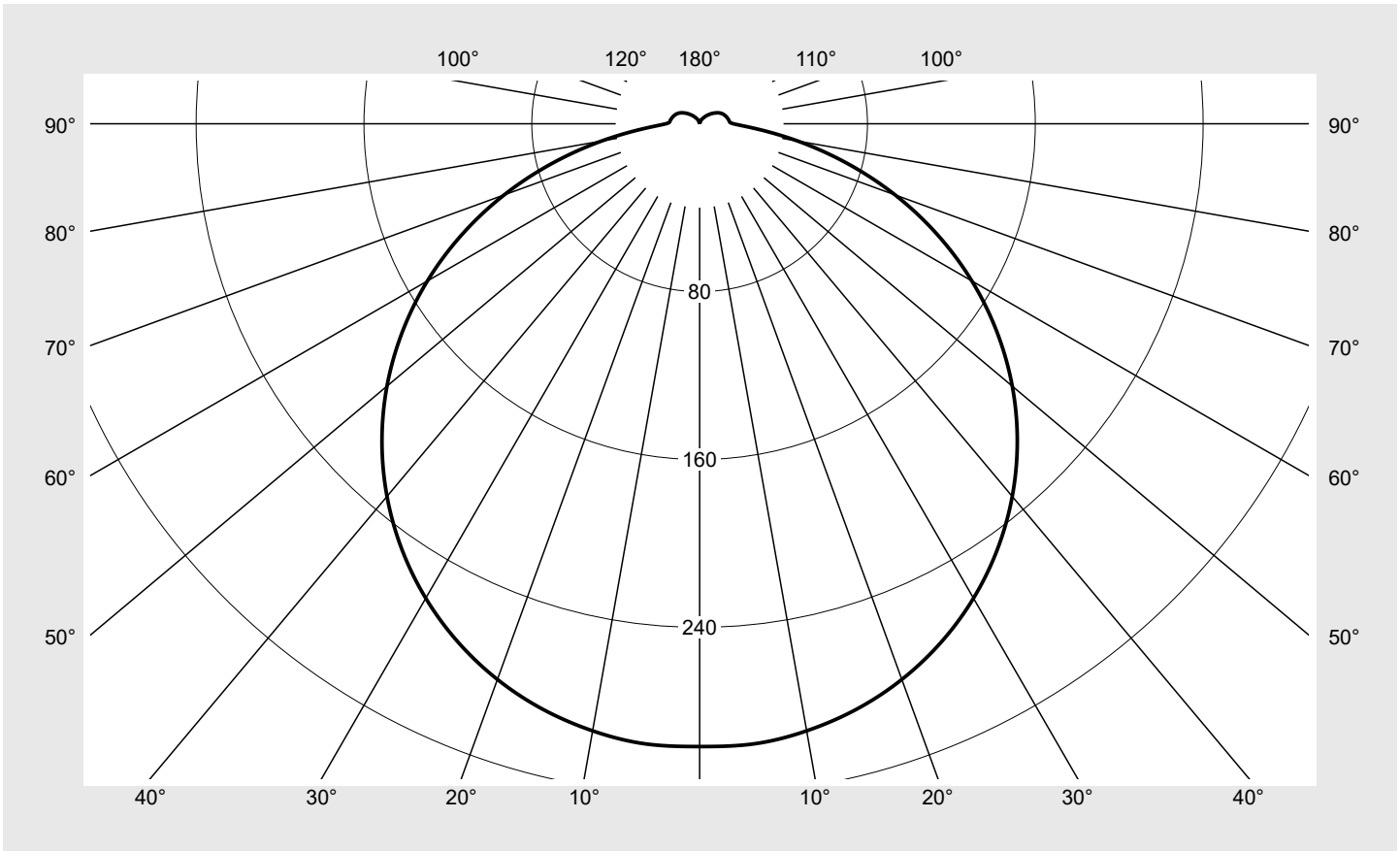
serial
documentation
09.08.2023

sitEco

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
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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	18.8	20.5	19.1	20.8	21.2	18.8	20.5	19.1	20.8	21.2
	3H	20.5	22.1	20.9	22.4	22.8	20.5	22.1	20.9	22.4	22.8
	4H	21.2	22.7	21.6	23.0	23.4	21.2	22.7	21.6	23.0	23.4
	6H	21.7	23.1	22.2	23.5	23.9	21.7	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	22.6	23.7	24.2	22.1	23.3	22.6	23.7	24.2
4H	2H	19.6	21.1	20.0	21.4	21.8	19.6	21.1	20.0	21.4	21.8
	3H	21.5	22.8	21.9	23.1	23.5	21.5	22.8	21.9	23.1	23.5
	4H	22.3	23.5	22.7	23.9	24.3	22.3	23.5	22.7	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	25.1	23.2	24.1	23.7	24.6	25.1
	12H	23.4	24.3	23.9	24.7	25.2	23.4	24.3	23.9	24.7	25.2
8H	4H	22.7	23.6	23.1	24.0	24.5	22.7	23.6	23.1	24.0	24.5
	6H	23.5	24.2	24.0	24.7	25.2	23.5	24.2	24.0	24.7	25.2
	8H	23.8	24.5	24.3	25.0	25.5	23.8	24.5	24.3	25.0	25.5
	12H	24.1	24.7	24.6	25.2	25.7	24.1	24.7	24.6	25.2	25.7
12H	4H	22.7	23.6	23.2	24.0	24.5	22.7	23.6	23.2	24.0	24.5
	6H	23.6	24.3	24.1	24.7	25.2	23.6	24.3	24.1	24.7	25.2
	8H	23.9	24.5	24.5	25.0	25.6	23.9	24.5	24.5	25.0	25.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 480	H(C0) = 30 H(C90) = 30	H(C180) = 30 H(C270) = 30
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C-planes	0°
γ	Luminance in cd/m ²
45°	6588.9
50°	6492.8
55°	6361.8
60°	6186.4
65°	5937.0
70°	5588.9
75°	5085.1
80°	4430.3
85°	3789.3

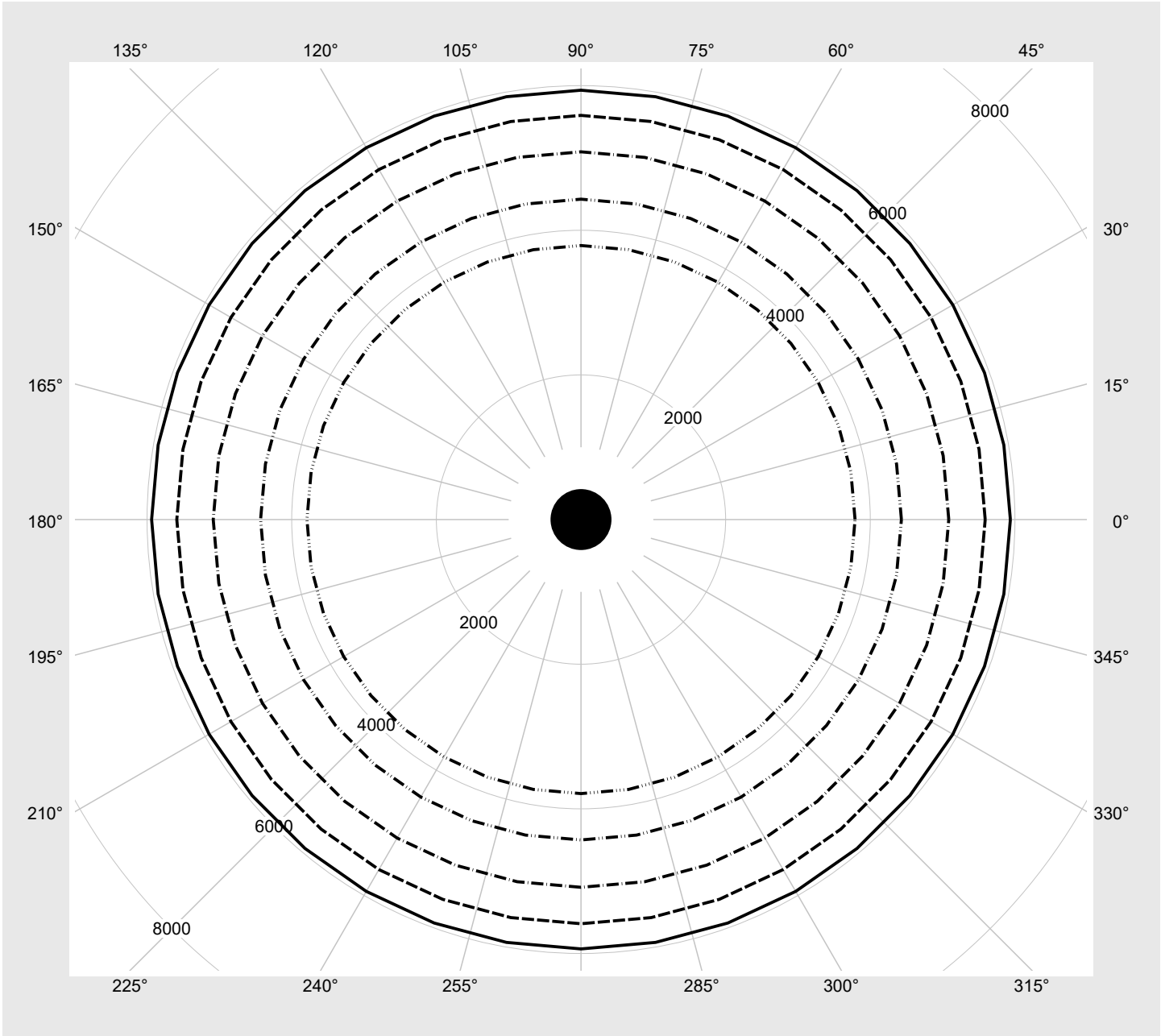
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	1	Switch Setting2	Luminous flux [lm]	Power consumption [W]
3	ON	ON	4250	35.4
2	ON	OFF	4070	34.0
1	OFF	ON	3850	32.0
0	OFF	OFF	3600	30.0