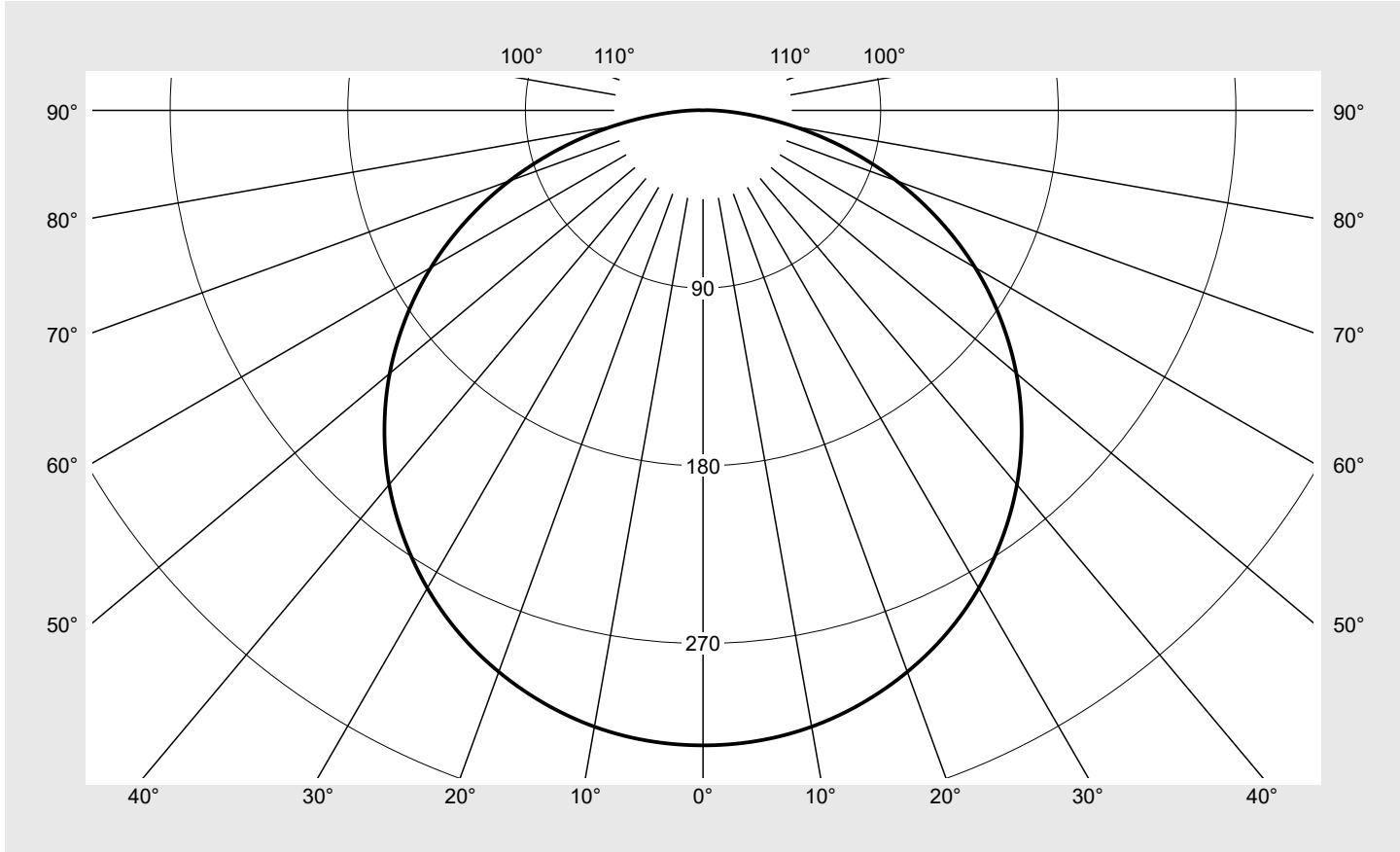


Photometric test report

Family Rondel 31	Order number: 51WC10DB44A + 51WC10E EAN: 4058352616833 + 4058352616871	LP number 59346_8
Version	enclosure, PC, transparent, opal, emergency light element 3h operating duration, diffuse beam	serial documentation 09.09.2022
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Setting	emergency light operation: 3 h	
Rated values	Net luminous flux = 210 lm Power consumption = 2.0 W Luminous efficacy = 105 lm/W	



Luminous intensity in cd/klm C180-0 **Imax: 322 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=45 N2=76 N3=95 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.5%
ϕ_o	0.5%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Rondel 31	Order number: 51WC10DB44A + 51WC10E EAN: 4058352616833 + 4058352616871	LP number 59346_8
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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°	321.6	1.9	1.9
5°	320.5	15.3	17.2
10°	317.0	30.2	47.4
15°	310.9	44.1	91.5
20°	302.6	56.7	148.2
25°	292.2	67.7	215.9
30°	279.4	76.6	292.5
35°	264.4	83.1	375.6
40°	247.4	87.2	462.8
45°	228.3	88.5	551.3
50°	207.2	87.0	638.3
55°	184.0	82.6	721.0
60°	159.2	75.6	796.5
65°	132.4	65.8	862.3
70°	104.3	53.7	916.1
75°	75.3	39.9	955.9
80°	46.8	25.2	981.2
85°	21.7	11.8	993.0
90°	5.5	3.0	996.0
95°	1.6	0.9	996.9
100°	1.2	0.6	997.5
105°	1.0	0.6	998.1
110°	0.9	0.4	998.5
115°	0.7	0.4	998.9
120°	0.6	0.3	999.2
125°	0.5	0.2	999.4
130°	0.4	0.2	999.6
135°	0.3	0.1	999.7
140°	0.2	0.1	999.8
145°	0.2	0.1	999.8
150°	0.2	0.0	999.9
155°	0.2	0.0	999.9
160°	0.2	0.0	999.9
165°	0.2	0.0	1000.0
170°	0.2	0.0	1000.0
175°	0.2	0.0	1000.0
180°	0.2	0.0	1000.0

Photometric test report

Family Rondel 31	Order number: 51WC10DB44A + 51WC10E EAN: 4058352616833 + 4058352616871	LP number 59346_8
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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	8.6	10.3	9.0	10.6	10.9	8.6	10.3	9.0	10.6	10.9
	3H	10.3	11.8	10.7	12.2	12.5	10.3	11.8	10.7	12.2	12.5
	4H	11.0	12.4	11.4	12.8	13.1	11.0	12.4	11.4	12.8	13.1
	6H	11.4	12.8	11.9	13.2	13.6	11.4	12.8	11.9	13.2	13.6
	8H	11.6	12.9	12.1	13.3	13.7	11.6	12.9	12.1	13.3	13.7
	12H	11.7	12.9	12.2	13.3	13.8	11.7	12.9	12.2	13.3	13.8
4H	2H	9.4	10.9	9.8	11.2	11.6	9.4	10.9	9.8	11.2	11.6
	3H	11.3	12.5	11.7	12.9	13.3	11.3	12.5	11.7	12.9	13.3
	4H	12.0	13.2	12.5	13.6	14.0	12.0	13.2	12.5	13.6	14.0
	6H	12.6	13.6	13.1	14.1	14.5	12.6	13.6	13.1	14.1	14.5
	8H	12.9	13.8	13.3	14.2	14.7	12.9	13.8	13.3	14.2	14.7
	12H	13.0	13.8	13.5	14.3	14.8	13.0	13.8	13.5	14.3	14.8
8H	4H	12.4	13.3	12.9	13.8	14.2	12.4	13.3	12.9	13.8	14.2
	6H	13.1	13.9	13.6	14.3	14.8	13.1	13.9	13.6	14.3	14.8
	8H	13.4	14.1	13.9	14.5	15.1	13.4	14.1	13.9	14.5	15.1
	12H	13.6	14.2	14.1	14.7	15.2	13.6	14.2	14.1	14.7	15.2
12H	4H	12.5	13.3	12.9	13.7	14.2	12.5	13.3	12.9	13.7	14.2
	6H	13.2	13.9	13.7	14.4	14.9	13.2	13.9	13.7	14.4	14.9
	8H	13.5	14.1	14.0	14.6	15.1	13.5	14.1	14.0	14.6	15.1

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°	347.1
50°	341.8
55°	334.4
60°	324.8
65°	310.7
70°	290.4
75°	260.2
80°	215.3
85°	151.3

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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

