




Photometric test report

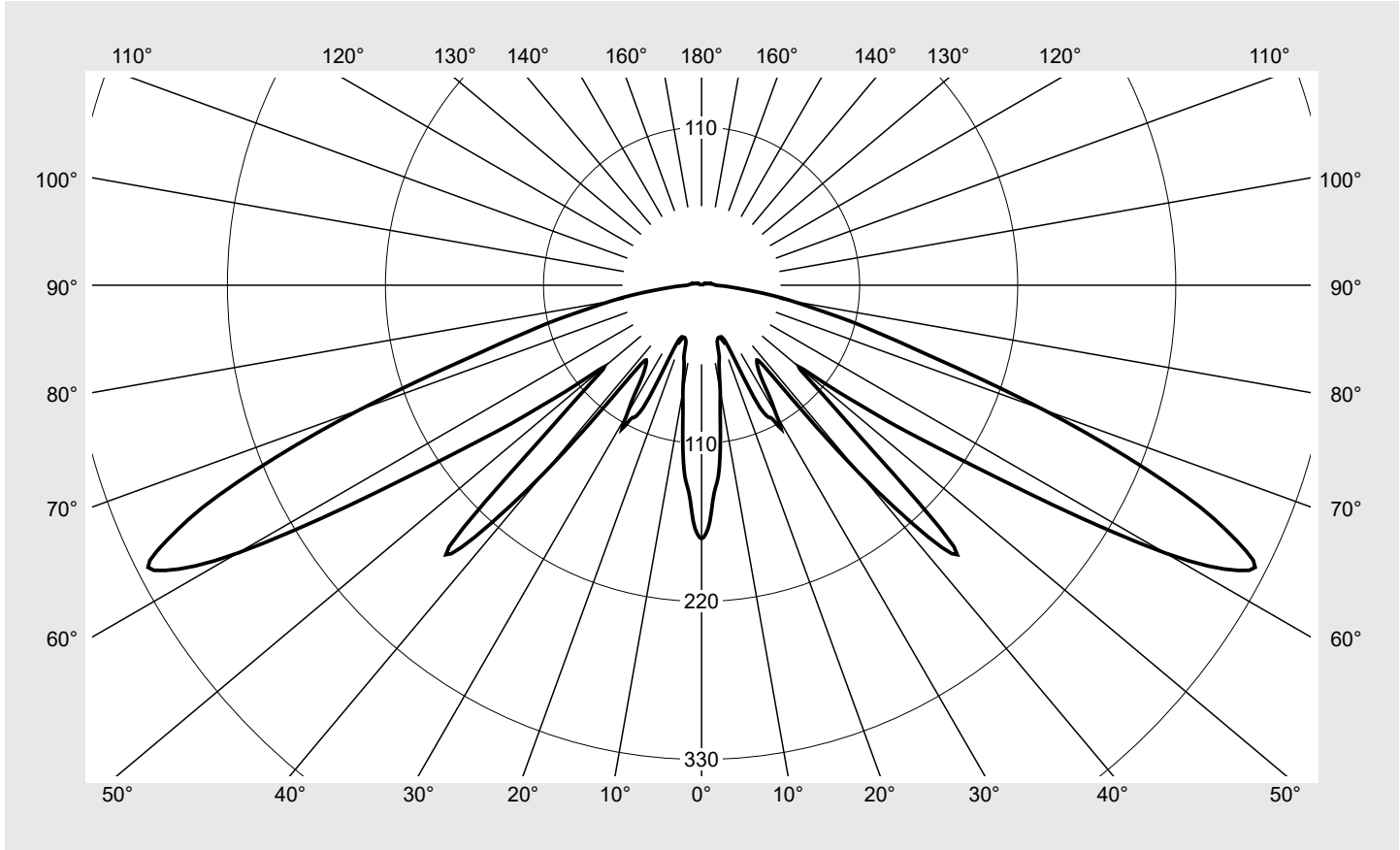
Family RONDEL flat	Order number: OMD5307L1830 + OMD5303B EAN: 4052899987524 + 4052899987609	LP number 57693_3
	Version cover opal, polycarbonate, lense room, anti-panic Lamps 1 x LED 4000K / CRI ≥ 80 (unbekannt LED 4000K / CRI = 80) Controlgear ECG Setting emergency light operation: 3 h Rated values Net luminous flux = 130 lm Power consumption = 1.0 W Luminous efficacy = 130 lm/W	serial documentation 21.08.2017







Luminous intensity in cd/klm C180-0 **Imax: 432 cd/klm**



Classifications	
DIN 5040	A 1 1
CIE	N1=14 N2=44 N3=92 N4=98 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.3%
ϕ_o	1.7%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	176.4	0.0	0.0
1°	172.9	0.3	0.4
2°	164.7	0.6	1.0
3°	150.0	0.9	1.9
4°	140.7	1.1	2.9
5°	133.5	1.3	4.2
6°	121.7	1.4	5.6
7°	107.6	1.4	7.0
8°	93.5	1.4	8.5
9°	82.8	1.4	9.9
10°	74.9	1.4	11.3
11°	65.6	1.4	12.7
12°	58.7	1.3	14.0
13°	54.2	1.3	15.4
14°	50.7	1.3	16.7
15°	42.7	1.2	17.9
16°	39.9	1.2	19.1
17°	38.9	1.2	20.4
18°	38.3	1.3	21.7
19°	38.3	1.4	23.0
20°	38.9	1.5	24.5
21°	41.6	1.6	26.1
22°	40.0	1.6	27.8
23°	43.2	1.9	29.6
24°	55.9	2.5	32.1
25°	85.7	4.0	36.1
26°	98.6	4.7	40.8
27°	103.3	5.1	46.0
28°	105.8	5.4	51.4
29°	114.1	6.1	57.5
30°	104.0	5.7	63.2
31°	94.9	5.4	68.6
32°	84.0	4.9	73.4
33°	75.6	4.5	77.9
34°	70.8	4.3	82.3
35°	67.5	4.2	86.5
36°	65.4	4.2	90.7
37°	65.5	4.3	95.1
38°	79.8	5.4	100.4
39°	125.7	8.7	109.1
40°	170.9	12.0	121.2
41°	205.6	14.8	136.0
42°	235.7	17.3	153.3
43°	255.4	19.1	172.4
44°	252.8	19.3	191.6
45°	212.5	16.5	208.1
46°	164.6	13.0	221.1

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
47°	133.9	10.7	231.8
48°	113.2	9.2	241.0
49°	95.9	7.9	249.0
50°	88.3	7.4	256.4
51°	100.4	8.6	264.9
52°	120.3	10.4	275.3
53°	139.4	12.2	287.5
54°	163.9	14.5	302.1
55°	187.3	16.8	318.9
56°	214.9	19.5	338.5
57°	248.1	22.8	361.3
58°	289.2	26.9	388.2
59°	332.0	31.2	419.4
60°	372.8	35.4	454.8
61°	403.0	38.7	493.4
62°	422.7	40.9	534.4
63°	432.4	42.2	576.6
64°	421.5	41.5	618.2
65°	402.4	40.0	658.1
66°	380.2	38.1	696.2
67°	351.2	35.5	731.7
68°	319.4	32.5	764.2
69°	286.4	29.3	793.5
70°	252.8	26.1	819.5
71°	219.4	22.8	842.3
72°	188.6	19.7	862.0
73°	162.3	17.0	879.0
74°	143.1	15.1	894.1
75°	125.7	13.3	907.4
76°	112.1	11.9	919.3
77°	97.6	10.4	929.7
78°	84.1	9.0	938.8
79°	73.6	7.9	946.7
80°	64.6	7.0	953.7
81°	56.4	6.1	959.8
82°	47.9	5.2	965.0
83°	39.7	4.3	969.3
84°	32.1	3.5	972.8
85°	26.3	2.9	975.7
86°	21.8	2.4	978.0
87°	18.3	2.0	980.1
88°	15.1	1.7	981.7
89°	11.6	1.3	983.0
90°	10.2	1.1	984.1
91°	9.5	1.0	985.1
92°	8.9	1.0	986.1

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Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
93°	8.6	0.9	987.0
94°	8.4	0.9	988.0
95°	7.9	0.9	988.8
96°	7.6	0.8	989.7
97°	7.2	0.8	990.4
98°	6.8	0.7	991.2
99°	6.2	0.7	991.8
100°	5.7	0.6	992.5
101°	5.6	0.6	993.1
102°	5.5	0.6	993.7
103°	5.7	0.6	994.3
104°	5.0	0.5	994.8
105°	4.4	0.5	995.3
106°	3.9	0.4	995.7
107°	3.9	0.4	996.1
108°	3.9	0.4	996.5
109°	3.5	0.4	996.9
110°	3.2	0.3	997.2
111°	3.1	0.3	997.5
112°	3.0	0.3	997.8
113°	2.9	0.3	998.1
114°	2.9	0.3	998.4
115°	2.9	0.3	998.7
116°	2.9	0.3	999.0
117°	2.8	0.3	999.2
118°	2.8	0.3	999.5
119°	2.8	0.3	999.8
120°	2.8	0.3	1000.0
121°	0.0	0.0	1000.0
122°	0.0	0.0	1000.0
123°	0.0	0.0	1000.0
124°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
126°	0.0	0.0	1000.0
127°	0.0	0.0	1000.0
128°	0.0	0.0	1000.0
129°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
131°	0.0	0.0	1000.0
132°	0.0	0.0	1000.0
133°	0.0	0.0	1000.0
134°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
136°	0.0	0.0	1000.0
137°	0.0	0.0	1000.0
138°	0.0	0.0	1000.0
139°	0.0	0.0	1000.0

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
140°	0.0	0.0	1000.0
141°	0.0	0.0	1000.0
142°	0.0	0.0	1000.0
143°	0.0	0.0	1000.0
144°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
146°	0.0	0.0	1000.0
147°	0.0	0.0	1000.0
148°	0.0	0.0	1000.0
149°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
151°	0.0	0.0	1000.0
152°	0.0	0.0	1000.0
153°	0.0	0.0	1000.0
154°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
156°	0.0	0.0	1000.0
157°	0.0	0.0	1000.0
158°	0.0	0.0	1000.0
159°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
161°	0.0	0.0	1000.0
162°	0.0	0.0	1000.0
163°	0.0	0.0	1000.0
164°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
166°	0.0	0.0	1000.0
167°	0.0	0.0	1000.0
168°	0.0	0.0	1000.0
169°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
171°	0.0	0.0	1000.0
172°	0.0	0.0	1000.0
173°	0.0	0.0	1000.0
174°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
176°	0.0	0.0	1000.0
177°	0.0	0.0	1000.0
178°	0.0	0.0	1000.0
179°	0.0	0.0	1000.0
180°	0.0	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	31.9	34.0	32.3	34.3	34.6	31.9	34.0	32.3	34.3	34.6
	3H	34.7	36.6	35.0	36.9	37.2	34.7	36.6	35.0	36.9	37.2
	4H	35.0	36.8	35.4	37.2	37.5	35.0	36.8	35.4	37.2	37.5
	6H	35.2	36.9	35.6	37.2	37.6	35.2	36.9	35.6	37.2	37.6
	8H	35.2	36.9	35.6	37.2	37.6	35.2	36.9	35.6	37.2	37.6
	12H	35.2	36.8	35.7	37.2	37.6	35.2	36.8	35.7	37.2	37.6
4H	2H	33.5	35.3	33.8	35.6	36.0	33.5	35.3	33.8	35.6	36.0
	3H	35.9	37.4	36.3	37.8	38.2	35.9	37.4	36.3	37.8	38.2
	4H	36.3	37.7	36.7	38.1	38.5	36.3	37.7	36.7	38.1	38.5
	6H	36.5	37.8	36.9	38.2	38.6	36.5	37.8	36.9	38.2	38.6
	8H	36.6	37.7	37.0	38.2	38.6	36.6	37.7	37.0	38.2	38.6
	12H	36.6	37.7	37.1	38.1	38.6	36.6	37.7	37.1	38.1	38.6
8H	4H	36.5	37.7	37.0	38.1	38.6	36.5	37.7	37.0	38.1	38.6
	6H	36.8	37.8	37.2	38.2	38.7	36.8	37.8	37.2	38.2	38.7
	8H	36.9	37.7	37.3	38.2	38.7	36.9	37.7	37.3	38.2	38.7
	12H	36.9	37.7	37.4	38.2	38.7	36.9	37.7	37.4	38.2	38.7
12H	4H	36.5	37.6	37.0	38.1	38.5	36.5	37.6	37.0	38.1	38.5
	6H	36.8	37.7	37.3	38.2	38.7	36.8	37.7	37.3	38.2	38.7
	8H	36.9	37.7	37.4	38.2	38.7	36.9	37.7	37.4	38.2	38.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 19	H(C0) = 6 H(C90) = 6	H(C180) = 6 H(C270) = 6
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C-planes	0°
γ	Luminance in cd/m ²
45°	98299.0
50°	42565.5
55°	95092.3
60°	201511.1
65°	234422.2
70°	161045.3
75°	89052.7
80°	52029.8
85°	24678.7

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

