

Photometric test report

Family
RONDEL flat



Order number: **OMD5307L1840 + OMD5303B**
EAN: **4052899987500 + 4052899987609**

LP number
57693_2

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

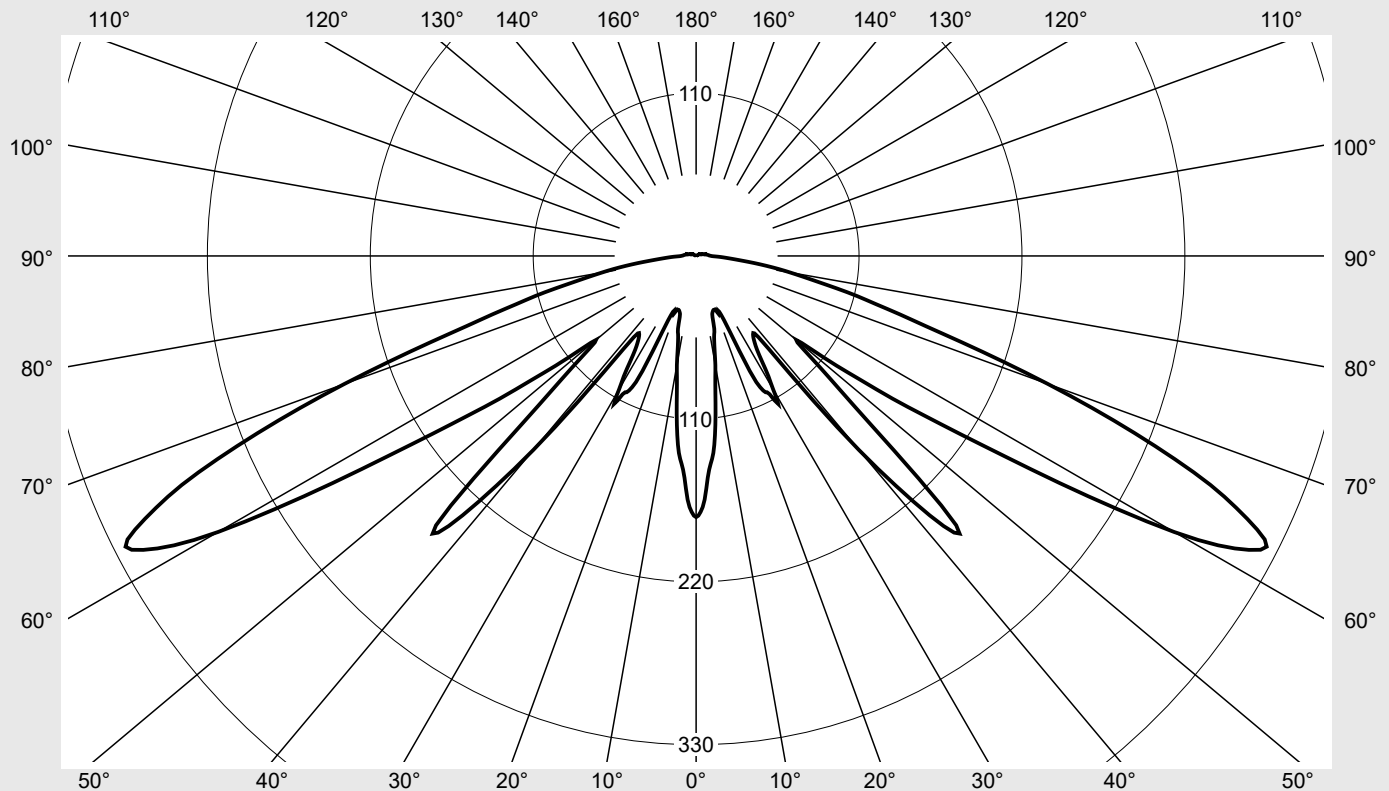
serial
documentation
21.08.2017

sitEco

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
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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
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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**

