

Photometric test report

Family
RONDEL flat

Order number: **OMD5307L1830 + OMD5303B**
 EAN: **4052899987524 + 4052899987609**

LP number
57691_5

Version cover opal, polycarbonate, wide distribution
Lamps 1 x LED 3000K / CRI ≥ 80
 (unbekannt LED 3000K / CRI = 80)
Controlgear ECG
Rated values Net luminous flux = 1800 lm
 Power consumption = 20.4 W
 Luminous efficacy = 88.2 lm/W

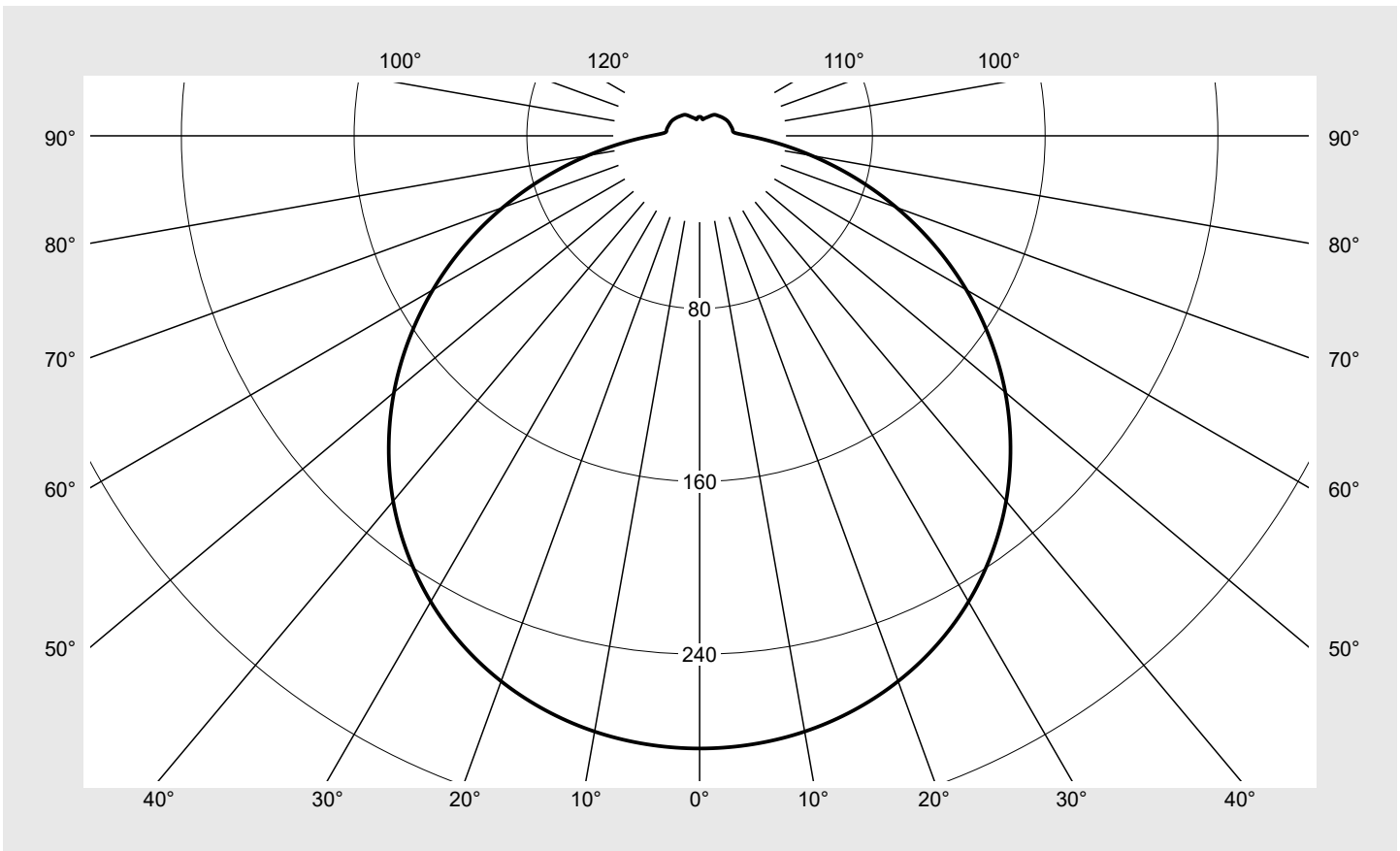
serial
documentation
07.07.2017

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Luminous intensity in cd/klm

C180-0

Imax: 284 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=43 N2=74 N3=92
 N4=91 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 91.2%
 ϕ_o 8.8%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	283.7	1.7	1.7
5°	282.8	13.5	15.2
10°	280.1	26.7	41.9
15°	275.4	39.1	80.9
20°	268.7	50.4	131.3
25°	260.0	60.2	191.5
30°	249.1	68.3	259.8
35°	235.9	74.2	334.0
40°	220.8	77.8	411.8
45°	203.6	78.9	490.7
50°	184.8	77.6	568.3
55°	164.3	73.8	642.1
60°	142.6	67.7	709.8
65°	120.1	59.6	769.4
70°	97.0	49.9	819.4
75°	74.1	39.2	858.6
80°	52.6	28.4	887.0
85°	34.9	19.1	906.0
90°	22.4	12.3	918.3
95°	16.3	8.9	927.2
100°	15.5	8.4	935.6
105°	15.3	8.1	943.7
110°	15.0	7.8	951.5
115°	14.8	7.4	958.9
120°	14.5	6.9	965.7
125°	13.9	6.3	972.0
130°	13.4	5.6	977.6
135°	12.9	5.0	982.6
140°	12.4	4.4	987.0
145°	11.9	3.7	990.7
150°	10.9	3.0	993.7
155°	9.8	2.3	996.0
160°	9.0	1.7	997.6
165°	8.3	1.2	998.8
170°	7.8	0.7	999.6
175°	8.6	0.4	1000.0
180°	8.8	0.1	1000.0

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UGR-Table		Standard room
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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	23.3	25.0	23.7	25.4	25.7	23.3	25.0	23.7	25.4	25.7
	3H	25.0	26.6	25.4	26.9	27.3	25.0	26.6	25.4	26.9	27.3
	4H	25.8	27.3	26.2	27.6	28.0	25.8	27.3	26.2	27.6	28.0
	6H	26.4	27.8	26.8	28.1	28.5	26.4	27.8	26.8	28.1	28.5
	8H	26.7	28.0	27.1	28.3	28.7	26.7	28.0	27.1	28.3	28.7
	12H	26.9	28.1	27.3	28.5	28.9	26.9	28.1	27.3	28.5	28.9
4H	2H	24.1	25.6	24.5	25.9	26.3	24.1	25.6	24.5	25.9	26.3
	3H	26.0	27.3	26.4	27.7	28.1	26.0	27.3	26.4	27.7	28.1
	4H	26.9	28.0	27.3	28.4	28.9	26.9	28.0	27.3	28.4	28.9
	6H	27.6	28.7	28.1	29.1	29.5	27.6	28.7	28.1	29.1	29.5
	8H	27.9	28.9	28.4	29.3	29.8	27.9	28.9	28.4	29.3	29.8
	12H	28.2	29.1	28.7	29.6	30.0	28.2	29.1	28.7	29.6	30.0
8H	4H	27.3	28.2	27.7	28.7	29.1	27.3	28.2	27.7	28.7	29.1
	6H	28.2	29.0	28.7	29.4	29.9	28.2	29.0	28.7	29.4	29.9
	8H	28.6	29.3	29.1	29.8	30.3	28.6	29.3	29.1	29.8	30.3
	12H	29.0	29.6	29.5	30.1	30.6	29.0	29.6	29.5	30.1	30.6
12H	4H	27.3	28.2	27.8	28.6	29.1	27.3	28.2	27.8	28.6	29.1
	6H	28.3	29.0	28.8	29.5	30.0	28.3	29.0	28.8	29.5	30.0
	8H	28.8	29.4	29.3	29.9	30.4	28.8	29.4	29.3	29.9	30.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 153	H(C0) = 15 H(C90) = 15	H(C180) = 15 H(C270) = 15
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C-planes	0°
γ	Luminance in cd/m ²
45°	25061.5
50°	24502.4
55°	23803.2
60°	22963.2
65°	21938.5
70°	20666.1
75°	19111.5
80°	17369.1
85°	16164.4

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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