

Photometric test report

Family
RONDEL flat

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

LP number
57691_4



Version cover opal, polycarbonate, wide distribution
Lamps 1 x LED 4000K / CRI ≥ 80
(unbekannt LED 4000K / 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

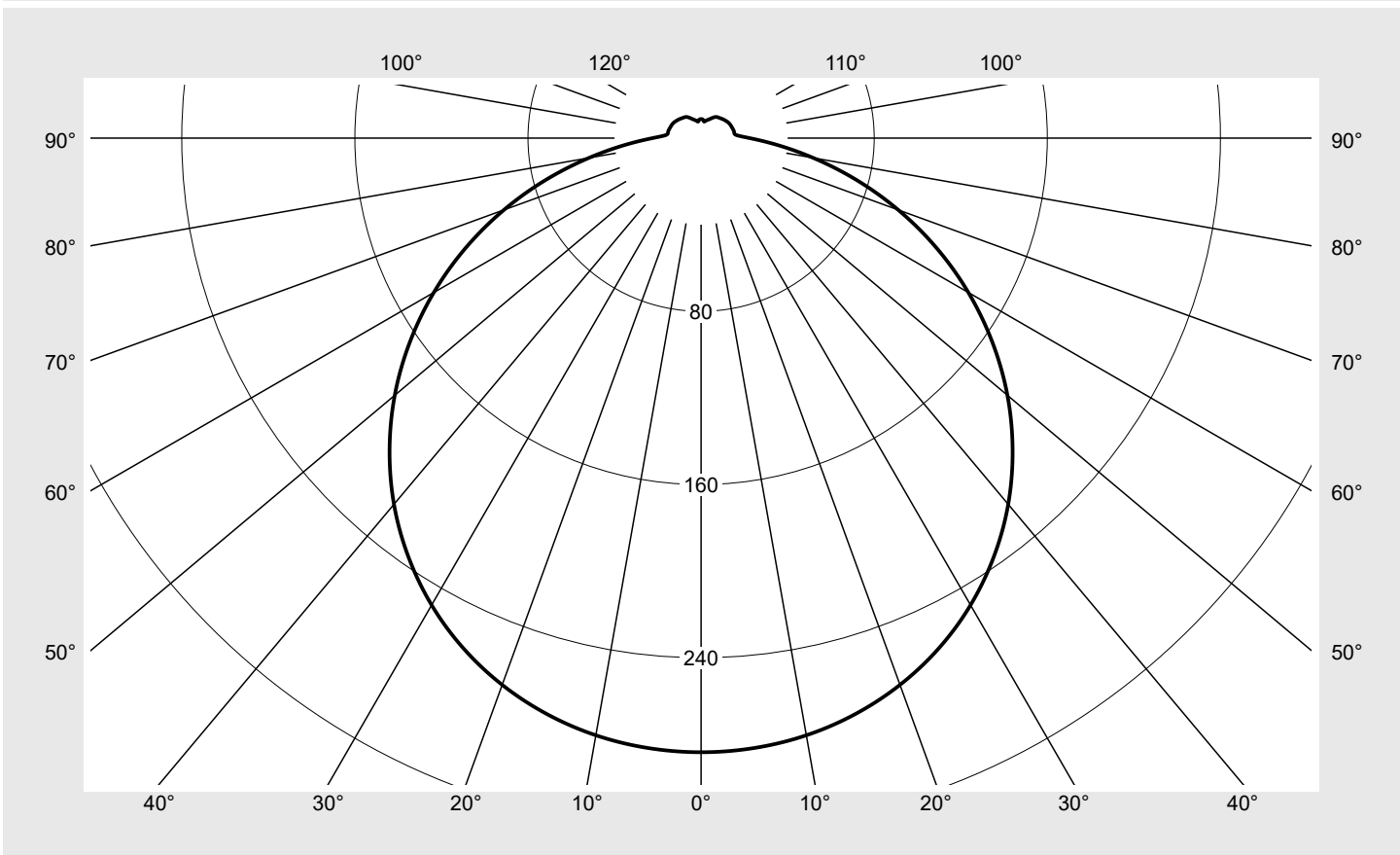


siteco

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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| | | |
|------------------------------|---|-----------------------------|
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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° | 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 | | | | | | | | | |
|------------------------------|-----|---------------------|------|------|------|------|--------------------|------|------|------|------|
| 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 |
|------------------------|---------------------------------|---------------------------------------|---------------------------|------------------------------|

| 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°

