

## Photometric test report

**Family**  
**Rondel 31**

**Order number: 5PJDN11MB1G30B**  
**EAN: 4069025155924**

**LP number**  
**59497\_14**

**serial**  
**documentation**  
**23.06.2026**

**sit**eco



**Version** surface-mounted luminaire, diffuser, cambered, opal, PMMA, extremely wide distribution, adjustable color temperature: 3000 K | 4000 K

**Lamps** LED 4000 K | CRI ≥ 80

**Controlgear** ECG Multilumen

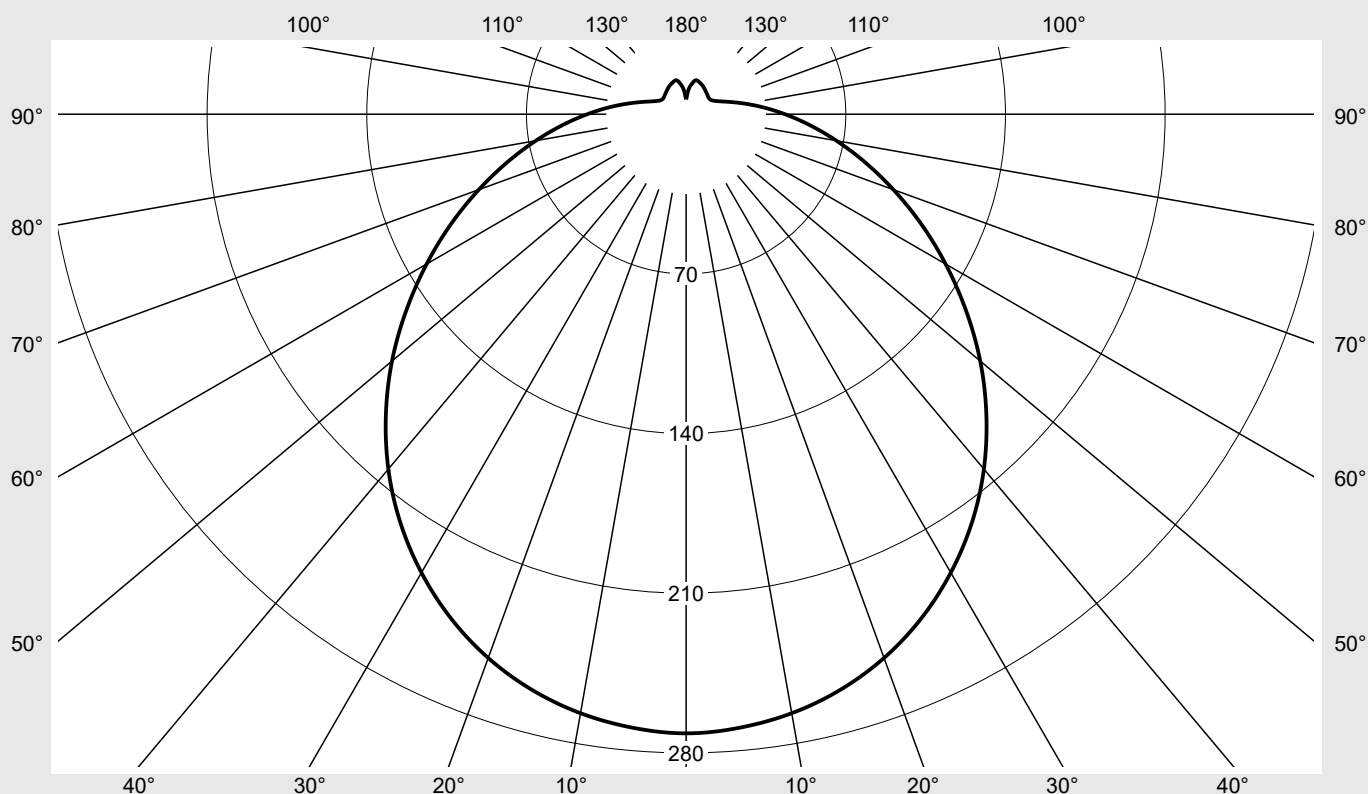
**Setting** factory setting: DIP-Step=7, colour temperature 4000K

**Rated values** Net luminous flux = 3000 lm  
Power consumption = 24.0 W  
Luminous efficacy = 125 lm/W

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 271 cd/klm**



### Classifications

DIN 5040 B 3 1  
CIE N1=42 N2=71 N3=89  
N4=88 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  88.4%  
 $\phi_o$  11.6%

### Measurement conditions

DIN EN 13032 and DIN 5032

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|                                          |                                                    |                            |
|------------------------------------------|----------------------------------------------------|----------------------------|
| Family<br>Rondel 31                      | Order number: 5PJDN11MB1G30B<br>EAN: 4069025155924 | LP number<br>59497_14      |
| Table of values for luminous intensities |                                                    | Maximum luminous intensity |

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| C-planes | 0°                           | Phi-zone | Total<br>Phi-zone       |
|----------|------------------------------|----------|-------------------------|
| γ        | Luminous intensity in cd/klm |          | Luminous flux in lm/klm |
| 0°       | 271.4                        | 1.6      | 1.6                     |
| 5°       | 270.0                        | 12.9     | 14.5                    |
| 10°      | 266.7                        | 25.4     | 39.9                    |
| 15°      | 261.2                        | 37.1     | 77.0                    |
| 20°      | 253.7                        | 47.6     | 124.5                   |
| 25°      | 243.9                        | 56.5     | 181.0                   |
| 30°      | 232.1                        | 63.6     | 244.6                   |
| 35°      | 218.5                        | 68.7     | 313.3                   |
| 40°      | 203.1                        | 71.6     | 384.9                   |
| 45°      | 186.2                        | 72.2     | 457.0                   |
| 50°      | 168.3                        | 70.7     | 527.7                   |
| 55°      | 149.7                        | 67.2     | 594.9                   |
| 60°      | 131.4                        | 62.4     | 657.3                   |
| 65°      | 113.6                        | 56.5     | 713.7                   |
| 70°      | 96.7                         | 49.8     | 763.5                   |
| 75°      | 81.1                         | 42.9     | 806.5                   |
| 80°      | 66.9                         | 36.1     | 842.6                   |
| 85°      | 54.3                         | 29.7     | 872.3                   |
| 90°      | 43.3                         | 23.8     | 896.0                   |
| 95°      | 34.1                         | 18.6     | 914.6                   |
| 100°     | 26.4                         | 14.3     | 928.9                   |
| 105°     | 20.6                         | 10.9     | 939.8                   |
| 110°     | 16.4                         | 8.4      | 948.2                   |
| 115°     | 13.8                         | 6.9      | 955.1                   |
| 120°     | 12.5                         | 6.0      | 961.0                   |
| 125°     | 12.2                         | 5.5      | 966.5                   |
| 130°     | 12.4                         | 5.2      | 971.7                   |
| 135°     | 12.8                         | 5.0      | 976.7                   |
| 140°     | 13.3                         | 4.7      | 981.4                   |
| 145°     | 13.9                         | 4.4      | 985.7                   |
| 150°     | 14.4                         | 4.0      | 989.7                   |
| 155°     | 14.9                         | 3.5      | 993.2                   |
| 160°     | 15.4                         | 2.9      | 996.0                   |
| 165°     | 15.3                         | 2.2      | 998.2                   |
| 170°     | 13.2                         | 1.3      | 999.5                   |
| 175°     | 10.3                         | 0.5      | 1000.0                  |
| 180°     | 6.6                          | 0.0      | 1000.0                  |

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|                              |     |                     |                                                    |      |      |      |                    |      |      |                       |      |
|------------------------------|-----|---------------------|----------------------------------------------------|------|------|------|--------------------|------|------|-----------------------|------|
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| UGR-Table                    |     |                     | Standard room                                      |      |      |      |                    |      |      | siteco                |      |
| 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  | 18.1                | 19.7                                               | 18.5 | 20.1 | 20.6 | 18.1               | 19.7 | 18.5 | 20.1                  | 20.6 |
|                              | 3H  | 19.9                | 21.4                                               | 20.4 | 21.9 | 22.4 | 19.9               | 21.4 | 20.4 | 21.9                  | 22.4 |
|                              | 4H  | 20.8                | 22.2                                               | 21.3 | 22.6 | 23.2 | 20.8               | 22.2 | 21.3 | 22.6                  | 23.2 |
|                              | 6H  | 21.6                | 22.9                                               | 22.2 | 23.4 | 24.0 | 21.6               | 22.9 | 22.2 | 23.4                  | 24.0 |
|                              | 8H  | 22.1                | 23.3                                               | 22.6 | 23.8 | 24.4 | 22.1               | 23.3 | 22.6 | 23.8                  | 24.4 |
|                              | 12H | 22.5                | 23.6                                               | 23.0 | 24.1 | 24.7 | 22.5               | 23.6 | 23.0 | 24.1                  | 24.7 |
| 4H                           | 2H  | 18.8                | 20.2                                               | 19.3 | 20.7 | 21.2 | 18.8               | 20.2 | 19.3 | 20.7                  | 21.2 |
|                              | 3H  | 20.8                | 22.0                                               | 21.4 | 22.5 | 23.1 | 20.8               | 22.0 | 21.4 | 22.5                  | 23.1 |
|                              | 4H  | 21.9                | 23.0                                               | 22.4 | 23.5 | 24.1 | 21.9               | 23.0 | 22.4 | 23.5                  | 24.1 |
|                              | 6H  | 22.9                | 23.9                                               | 23.5 | 24.4 | 25.1 | 22.9               | 23.9 | 23.5 | 24.4                  | 25.1 |
|                              | 8H  | 23.4                | 24.3                                               | 24.0 | 24.9 | 25.5 | 23.4               | 24.3 | 24.0 | 24.9                  | 25.5 |
|                              | 12H | 23.9                | 24.7                                               | 24.5 | 25.3 | 26.0 | 23.9               | 24.7 | 24.5 | 25.3                  | 26.0 |
| 8H                           | 4H  | 22.3                | 23.2                                               | 22.9 | 23.8 | 24.4 | 22.3               | 23.2 | 22.9 | 23.8                  | 24.4 |
|                              | 6H  | 23.5                | 24.3                                               | 24.2 | 24.9 | 25.6 | 23.5               | 24.3 | 24.2 | 24.9                  | 25.6 |
|                              | 8H  | 24.2                | 24.8                                               | 24.8 | 25.5 | 26.2 | 24.2               | 24.8 | 24.8 | 25.5                  | 26.2 |
|                              | 12H | 24.8                | 25.4                                               | 25.5 | 26.0 | 26.8 | 24.8               | 25.4 | 25.5 | 26.0                  | 26.8 |
| 12H                          | 4H  | 22.4                | 23.2                                               | 23.0 | 23.8 | 24.5 | 22.4               | 23.2 | 23.0 | 23.8                  | 24.5 |
|                              | 6H  | 23.7                | 24.3                                               | 24.3 | 25.0 | 25.7 | 23.7               | 24.3 | 24.3 | 25.0                  | 25.7 |
|                              | 8H  | 24.4                | 25.0                                               | 25.0 | 25.6 | 26.3 | 24.4               | 25.0 | 25.0 | 25.6                  | 26.3 |

|                 |                    |                                 |                               |         |                           |                              |
|-----------------|--------------------|---------------------------------|-------------------------------|---------|---------------------------|------------------------------|
| Luminance table |                    | Max. for $\gamma \geq 65^\circ$ | Photometric dimensions in mm: | D = 360 | H(C0) = 45<br>H(C90) = 45 | H(C180) = 45<br>H(C270) = 45 |
| C-planes        | 0°                 |                                 |                               |         |                           |                              |
| $\gamma$        | Luminance in cd/m² |                                 |                               |         |                           |                              |
| 45°             | 6693.7             |                                 |                               |         |                           |                              |
| 50°             | 6487.3             |                                 |                               |         |                           |                              |
| 55°             | 6268.3             |                                 |                               |         |                           |                              |
| 60°             | 6070.2             |                                 |                               |         |                           |                              |
| 65°             | 5908.2             |                                 |                               |         |                           |                              |
| 70°             | 5797.8             |                                 |                               |         |                           |                              |
| 75°             | 5794.2             |                                 |                               |         |                           |                              |
| 80°             | 5969.0             |                                 |                               |         |                           |                              |
| 85°             | 6514.4             |                                 |                               |         |                           |                              |

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LP number  
59497\_14

Luminance values in cd/m²

γ 65°

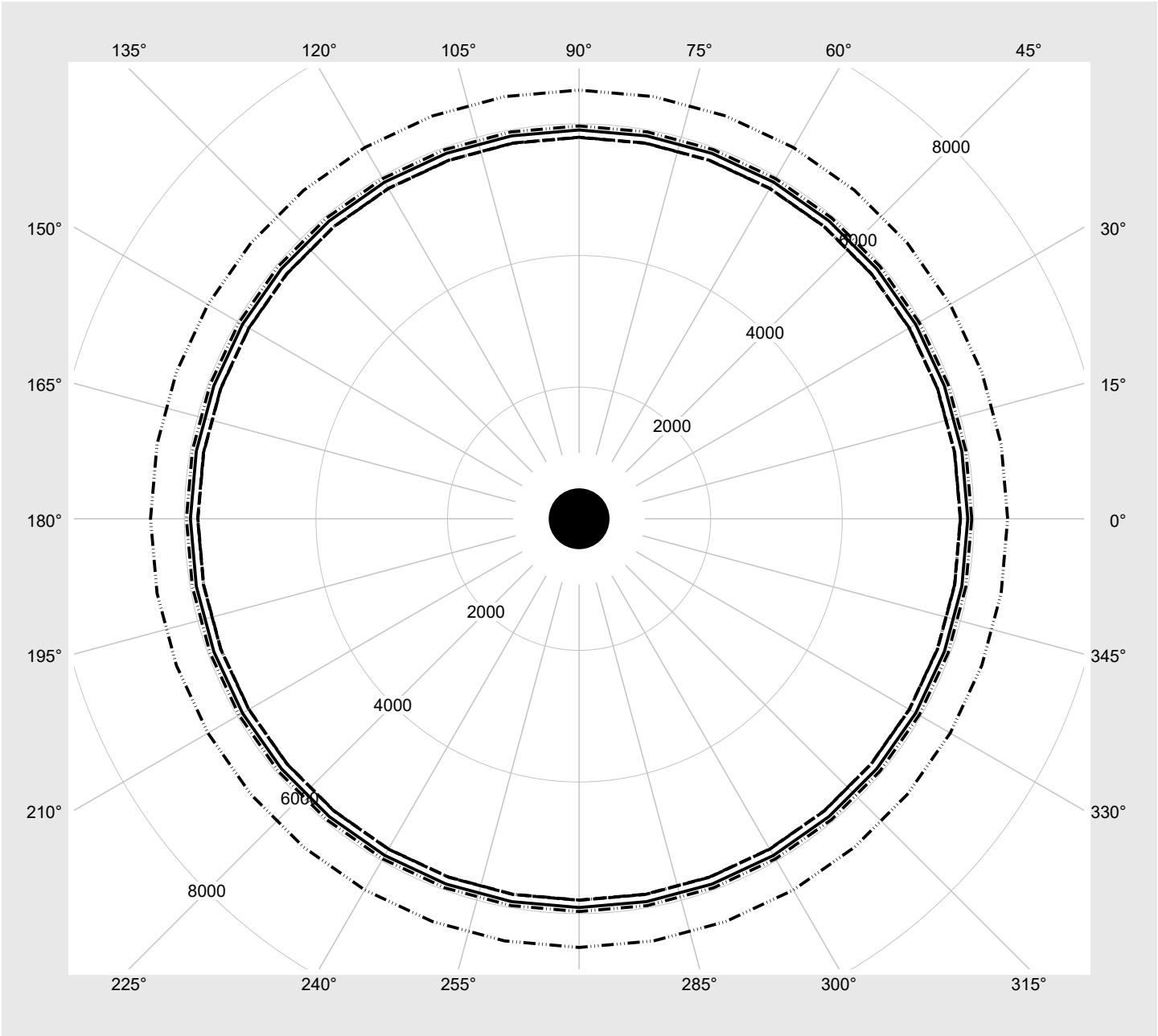
γ 70°

γ 75°

γ 80°

γ 85°

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|                     |                                                    |                       |
|---------------------|----------------------------------------------------|-----------------------|
| Family<br>Rondel 31 | Order number: 5PJDN11MB1G30B<br>EAN: 4069025155924 | LP number<br>59497_14 |
| Multilumen Table    | environmental temperature: 25°C                    | siteco                |

| DIP-Step | Switch Setting |     |     | Luminous flux [lm] | Power consumption [W] |
|----------|----------------|-----|-----|--------------------|-----------------------|
|          | 1              | 2   | 3   |                    |                       |
| 7        | ON             | ON  | ON  | 3000               | 24.0                  |
| 6        | OFF            | ON  | ON  | 2800               | 22.0                  |
| 5        | ON             | OFF | ON  | 2600               | 21.0                  |
| 4        | OFF            | OFF | ON  | 2400               | 19.0                  |
| 3        | ON             | ON  | OFF | 2200               | 17.0                  |
| 2        | OFF            | ON  | OFF | 2000               | 15.0                  |
| 1        | ON             | OFF | OFF | 1800               | 14.0                  |
| 0        | OFF            | OFF | OFF | 1600               | 12.0                  |