



## RINO

NIEWIDOCZNY STRÓŻ, KTÓRY CZUWA

Oświetla w czasie awarii zasilania, w zależności od wersji, przestrzenie biurowe lub korytarze ze strumieniem świetlnym przekraczającym 457 lumenów przy mocy 5W. Wersja RINO Z z dołączonym dyfuzorem i zwieszem, pełni funkcję oprawy ewakuacyjnej.



INVISIBLE GUARDIAN ANGEL

Depending on the version, RINO is designed to lighten office spaces or corridors in the event of a power failure with a luminous flux greater than 457 lumens at 5W. The RINO Z version with diffuser and suspension serves as the evacuation fitting.

już w ofercie !

✓ Oświetlenie antypaniczne  
Antipanic lighting



**RINO M1**



**RINO M2**



**RINO M5**



**RINO S1**



**RINO S2**

✓ Oświetlenie drogi ewakuacji  
Evacuation road lighting



**RINO C1**



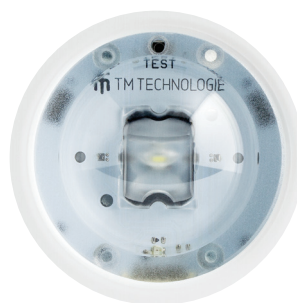
**RINO C2**



**RINO F1**



**RINO F2**



**RINO W1**

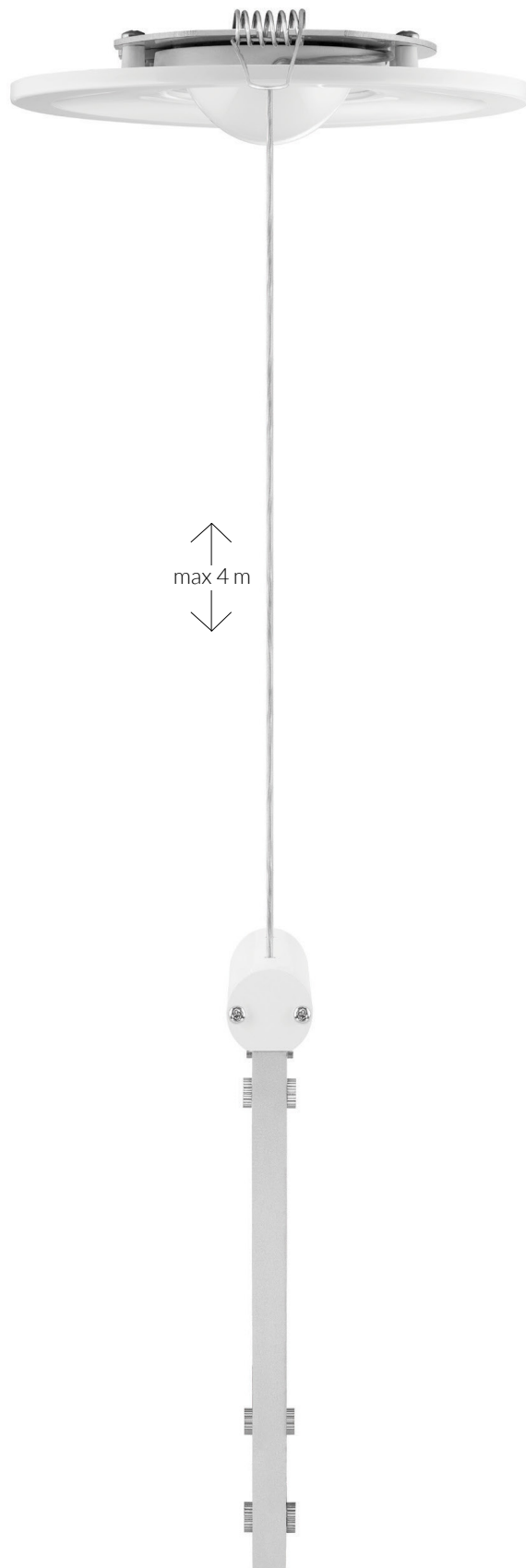


**RINO W2**

**RINO Z**

Widoczność 24 m

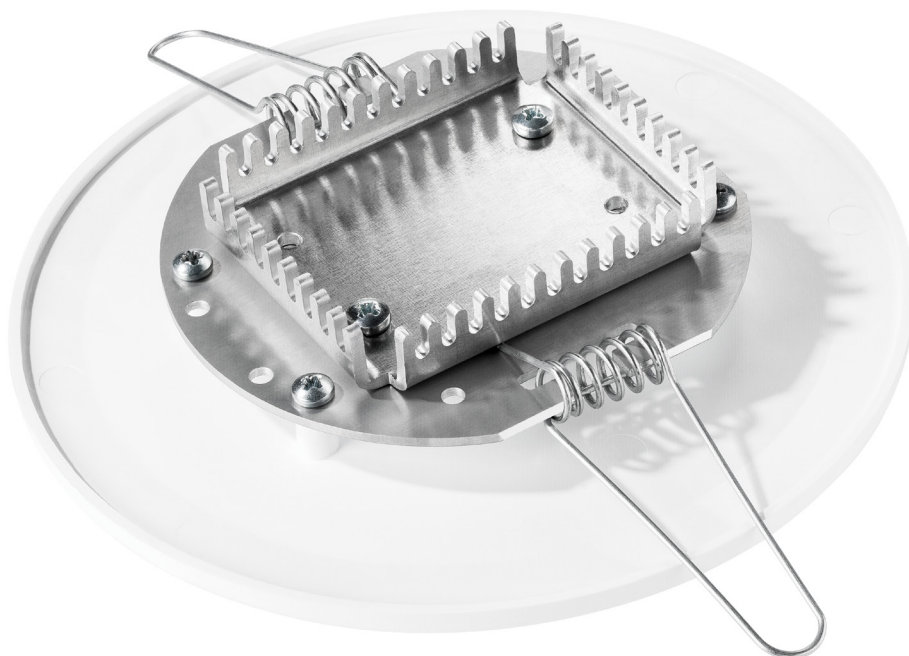
Visability 24 m



**KOMPONENT DO OPRAWY RINO / COMPONENT FOR RINO**



Metalowa obudowa zawierająca elektronikę do opraw z serii RINO:  
 M1, M2, M5, S1, S2, C1, C2, W1, W2, F1, F2  
 Metal housing covering electronics for fittings of the series of RINO:  
 M1, M2, M5, S1, S2, C1, C2, W1, W2, F1, F2

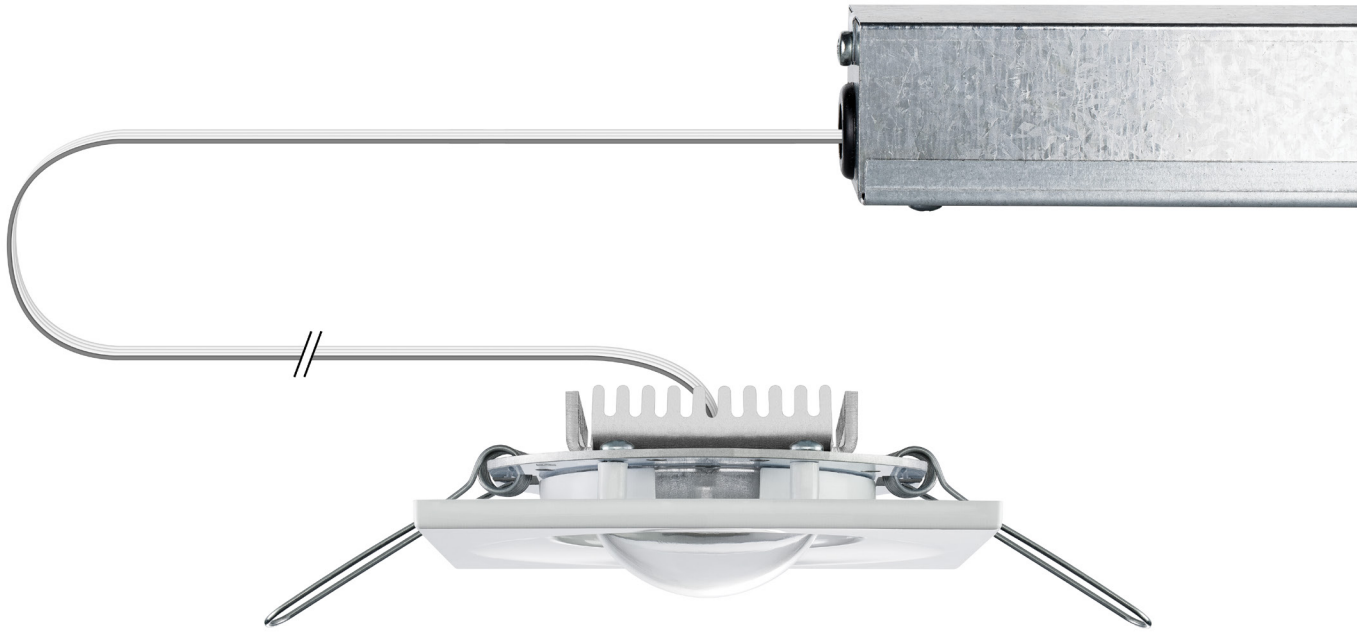


**RINO**  
 radiator zapewnia optymalne warunki  
 chłodzenia podczas pracy diody LED  
 heat sink provides the most favourable cooling  
 conditions during operation of the LED





Łatwy montaż wpuszczany  
Easy recessed mounting

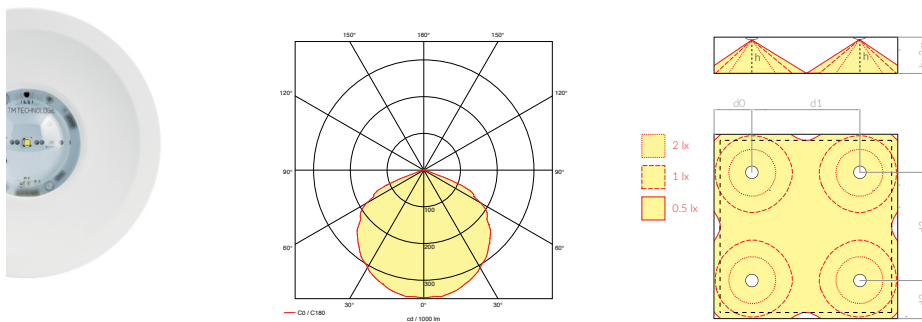


|   |   |
|---|---|
| Źródło światła<br>Light source                            | LED   |
| Zastosowanie<br>Application                               | RINO: M1, M2, M5, S1, S2 oświetlenie antypaniczne / antipanic lighting<br>RINO: C1, C2, F1, F2, W1, W2 oświetlenie drogi ewakuacji / evacuation road lighting       |
| Testowanie<br>Testing                                     | Test ręczny, test automatyczny, centralny monitoring, centralna bateria<br>Manual test, autotest, central monitoring, central battery                               |
| Zasilanie<br>Power supply                                 | 230 V AC / 50 - 60Hz ± 10%  |
| Zasilanie - CB<br>Power supply - CB                       | 230 V AC / 50 - 60Hz ± 10%<br>186 - 254 V DC  |
| Stopień szczelności<br>Protection type                    | IP20  |
| Klasa izolacji<br>Isolation class                         | I   |
| Materiał<br>Material                                      | RINO: obudowa / housing: PC/ABS + ALU/Metal<br>klosz / cover: PC przezroczysty / transparent<br>RINO Z: obudowa / housing: PC/ABS + ALU<br>dyfuzor / diffuser: PMMA |
| Kolor obudowy<br>Housing colour                           | <input type="checkbox"/> RAL 9003 <input type="checkbox"/> RAL 7035 <input type="checkbox"/> RAL 9004 <input type="checkbox"/> kolor specjalny / special colour     |
| Tryb pracy<br>Mode  | M/NM  |
| Autonomia<br>Autonomy                                     | 1h/3h   |
| Zakres temperatury pracy $t_a$<br>Temperature range $t_a$ | $t_a$ 10°C ÷ +40°C  |
| Normy<br>Standards  | PN-EN 60598-1, PN-EN 60598-2-22, PN-EN 61347-2-13, PN-EN 61347-1,<br>PN-EN 55015, PN-EN 61000-3-2, PN-EN 62031, PN-EN 62471   |

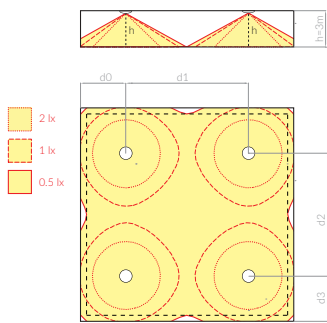
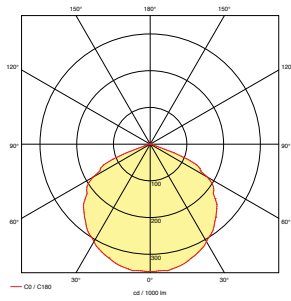
# RINO M1, M2, M5 oświetlenie antypaniczne antipanic lighting

|  |  |
|--|--|
| <p>Wymiary [mm]<br/>Dimensions [mm]</p>    | <p>Montaż<br/>Mounting</p>                             |
| <p>Akcesoria [mm]<br/>Accessories [mm]</p> | <p>Ilość opakowań:<br/>quantity of boxes: 350 szt.</p> |

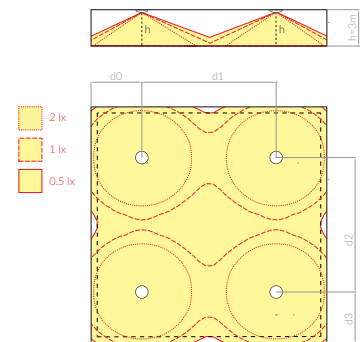
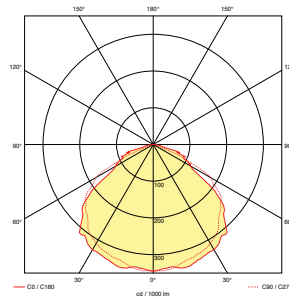
## RINO M1 >



| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |     |     | Maks. dystans oprawa/ściana [m]<br>Max. distance fitting/wall [m] |      |      |
|---|---|-----|-----|--|------|------|--|-----|-----|---|------|------|
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   | 1h   | 3h  | CB  | 1h  | 3h   | CB   |
| 2,5   | 3.0   | 3.0 | 3.0 | 8.2  | 8.2  | 8.2  | 3.0  | 3.0 | 3.0 | 8.2   | 8.2  | 8.2  |
| 3,0   | 3.2   | 3.2 | 3.2 | 8.9  | 8.9  | 8.9  | 3.2  | 3.2 | 3.2 | 8.9   | 8.9  | 8.9  |
| 4,0   | 3.2   | 3.2 | 3.2 | 10.0   | 10.0 | 10.0 | 3.2  | 3.2 | 3.2 | 10.0  | 10.0 | 10.0 |
| 5,0   | 3.2   | 3.2 | 3.2 | 10.7   | 10.7 | 10.7 | 3.2  | 3.2 | 3.2 | 10.7  | 10.7 | 10.7 |
| 6,0   | 3.3   | 3.3 | 3.3 | 11.1   | 11.1 | 11.1 | 3.3  | 3.3 | 3.3 | 11.1  | 11.1 | 11.1 |
| 7,0   | 3.0   | 3.0 | 3.0 | 11.4   | 11.4 | 11.4 | 3.0  | 3.0 | 3.0 | 11.4  | 11.4 | 11.4 |
| 8,0   | 2.7   | 2.7 | 2.7 | 11.2   | 11.2 | 11.2 | 2.7  | 2.7 | 2.7 | 11.2  | 11.2 | 11.2 |

**RINO M2**


| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |     |     | Maks. dystans oprawa/ściana [m]<br>Max. distance fitting/wall [m] |      |      |
|---|---|-----|-----|--|------|------|--|-----|-----|---|------|------|
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   | 1h   | 3h  | CB  | 1h  | 3h   | CB   |
| 2,5   | 3,8   | 3,8 | 3,8 | 9,0  | 9,0  | 9,0  | 3,8  | 3,8 | 3,8 | 9,0   | 9,0  | 9,0  |
| 3,0   | 3,8   | 3,8 | 3,8 | 10,1   | 10,1 | 10,1 | 3,8  | 3,8 | 3,8 | 10,1  | 10,1 | 10,1 |
| 4,0   | 4,1   | 4,1 | 4,1 | 11,6   | 11,6 | 11,6 | 4,1  | 4,1 | 4,1 | 11,6  | 11,6 | 11,6 |
| 5,0   | 4,2   | 4,2 | 4,2 | 12,6   | 12,6 | 12,6 | 4,2  | 4,2 | 4,2 | 12,6  | 12,6 | 12,6 |
| 6,0   | 4,3   | 4,3 | 4,3 | 13,2   | 13,2 | 13,2 | 4,3  | 4,3 | 4,3 | 13,2  | 13,2 | 13,2 |
| 7,0   | 4,3   | 4,3 | 4,3 | 14,0   | 14,0 | 14,0 | 4,3  | 4,3 | 4,3 | 14,0  | 14,0 | 14,0 |
| 8,0   | 4,2   | 4,2 | 4,2 | 14,2   | 14,2 | 14,2 | 4,2  | 4,2 | 4,2 | 14,2  | 14,2 | 14,2 |

**RINO M5**


| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |     |     | Maks. dystans oprawa/ściana [m]<br>Max. distance fitting/wall [m] |      |      |
|---|---|-----|-----|--|------|------|--|-----|-----|---|------|------|
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   | 1h   | 3h  | CB  | 1h  | 3h   | CB   |
| 2,5   | 4,0   | 4,0 | 4,0 | 10,0   | 10,0 | 10,0 | 4,0  | 4,0 | 4,0 | 10,0  | 10,0 | 10,0 |
| 3,0   | 4,2   | 4,2 | 4,2 | 11,1   | 11,1 | 11,1 | 4,2  | 4,2 | 4,2 | 11,1  | 11,1 | 11,1 |
| 4,0   | 4,9   | 4,9 | 4,9 | 12,7   | 12,7 | 12,7 | 4,9  | 4,9 | 4,9 | 12,7  | 12,7 | 12,7 |
| 5,0   | 5,8   | 5,8 | 5,8 | 14,4   | 14,4 | 14,4 | 5,8  | 5,8 | 5,8 | 14,4  | 14,4 | 14,4 |
| 6,0   | 6,4   | 6,4 | 6,4 | 15,8   | 15,8 | 15,8 | 6,4  | 6,4 | 6,4 | 15,8  | 15,8 | 15,8 |
| 7,0   | 6,8   | 6,8 | 6,8 | 17,2   | 17,2 | 17,2 | 6,8  | 6,8 | 6,8 | 17,2  | 17,2 | 17,2 |
| 8,0   | 6,8   | 6,8 | 6,8 | 18,5   | 18,5 | 18,5 | 6,8  | 6,8 | 6,8 | 18,5  | 18,5 | 18,5 |
| 9,0   | 6,8   | 6,8 | 6,8 | 19,7   | 19,7 | 19,7 | 6,8  | 6,8 | 6,8 | 19,7  | 19,7 | 19,7 |
| 10,0  | 6,6   | 6,6 | 6,6 | 20,6   | 20,6 | 20,6 | 6,6  | 6,6 | 6,6 | 20,6  | 20,6 | 20,6 |



| Typ<br>Type   | Model<br>Model       | Źródło światła<br>Light source | Czas<br>Time | Tryb pracy<br>Mode | Strumień<br>Luminous flux |
|---|----------------------|--------------------------------|--------------|--------------------|---------------------------|
| ST - TEST RĘCZNY / MANUAL TEST [S]  |                      |                                |              |                    |                           |
| RINO  | M1 101 ST            | 1W / 1xLED                     | 1h           | NM                 | 128 lm                    |
| RINO  | M1 301 ST            | 1W / 1xLED                     | 3h           | NM                 | 128 lm                    |
| RINO  | M2 302 ST            | 2W / 1xLED                     | 3h           | M/NM               | 218 lm                    |
| RINO  | M5 105 ST            | 5W / 2xLED                     | 1h           | M/NM               | 457 lm                    |
| RINO  | M5 305 ST            | 5W / 2xLED                     | 3h           | M/NM               | 457 lm                    |
| AT - TEST AUTOMATYCZNY / SELFTEST (AUTOTEST) [P]  |                      |                                |              |                    |                           |
| RINO  | M1 101 AT            | 1W / 1xLED                     | 1h           | NM                 | 128 lm                    |
| RINO  | M1 301 AT            | 1W / 1xLED                     | 3h           | NM                 | 128 lm                    |
| RINO  | M2 302 AT            | 2W / 1xLED                     | 3h           | M/NM               | 218 lm                    |
| RINO  | M5 105 AT            | 5W / 2xLED                     | 1h           | M/NM               | 457 lm                    |
| RINO  | M5 305 AT            | 5W / 2xLED                     | 3h           | M/NM               | 457 lm                    |
| DATA - TEST CENTRALNY AUTOMATYCZNY (MONITORING) / AUTOMATIC CENTRAL TEST (MONITORING) [ER or PRN] |                      |                                |              |                    |                           |
| RINO  | M1 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 128 lm                    |
| RINO  | M1 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 128 lm                    |
| RINO  | M2 302 DATA (DATA 2) | 2W / 1xLED                     | 3h           | M/NM               | 218 lm                    |
| RINO  | M5 105 DATA (DATA 2) | 5W / 2xLED                     | 1h           | M/NM               | 457 lm                    |
| RINO  | M5 305 DATA (DATA 2) | 5W / 2xLED                     | 3h           | M/NM               | 457 lm                    |
| CB - CENTRALNA BATERIA / CENTRAL BATTERY [ER or PRN]  |                      |                                |              |                    |                           |
| RINO  | M1 01 CBm            | 1W / 1xLED                     | -            | -                  | 128 lm                    |
| RINO  | M2 02 CBm            | 2W / 1xLED                     | -            | -                  | 218 lm                    |
| RINO  | M5 05 CBm            | 5W / 2xLED                     | -            | -                  | 457 lm                    |

NM - praca awaryjna / non maintained  
M - praca sieciowo-awaryjna / maintained  
CBm - do centralnej baterii / to central battery

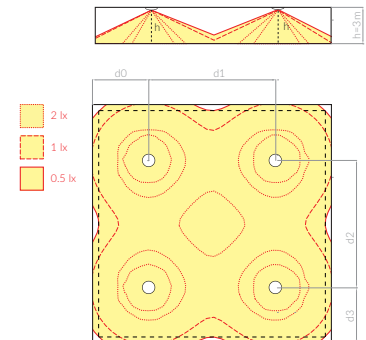
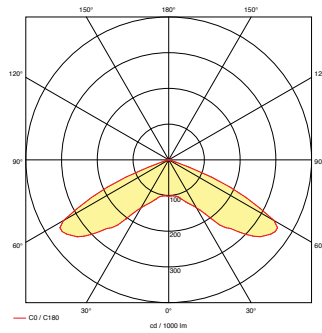
m - 1 bez modułu adresowego / 1 with no addressable module  
2 moduł adresowy v1 / 2 addressable module v1  
3 moduł adresowy v3 / 3 addressable module v2

# RINO S1, S2

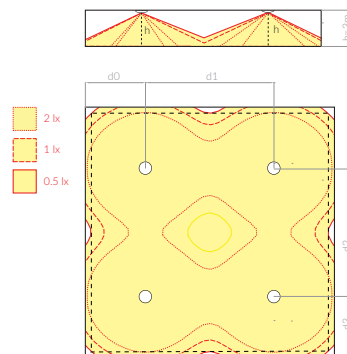
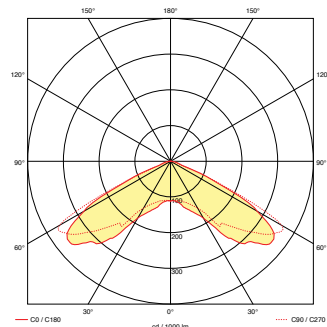
oświetlenie antypaniczne  
antipanic lighting

|   |  |
|---|--|
| <p>Wymiary [mm]<br/>Dimensions [mm]</p> | <p>Montaż<br/>Mounting</p>                 |
|   | <p>Akcesoria [mm]<br/>Accessories [mm]</p> |

## RINO S1



| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |     |     | Maks. dystans oprawa/ściana [m]<br>Max. distance fitting/wall [m] |      |      |
|---|---|-----|-----|--|------|------|--|-----|-----|---|------|------|
|   | d0  |     |     | d1   |      |      | d2   |     |     | d3  |      |      |
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   | 1h   | 3h  | CB  | 1h  | 3h   | CB   |
| 2,5   | 4.1   | 4.1 | 4.1 | 9.1  | 9.1  | 9.1  | 4.1  | 4.1 | 4.1 | 9.1   | 9.1  | 9.1  |
| 3,0   | 4.6   | 4.6 | 4.6 | 10.5   | 10.5 | 10.5 | 4.6  | 4.6 | 4.6 | 10.5  | 10.5 | 10.5 |
| 4,0   | 5.2   | 5.2 | 5.2 | 12.8   | 12.8 | 12.8 | 5.2  | 5.2 | 5.2 | 12.8  | 12.8 | 12.8 |
| 5,0   | 5.4   | 5.4 | 5.4 | 14.7   | 14.7 | 14.7 | 5.4  | 5.4 | 5.4 | 14.7  | 14.7 | 14.7 |

**RINO S2**


| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |     |     | Maks. dystans oprawa/ściana [m]<br>Max. distance fitting/wall [m] |      |      |
|---|---|-----|-----|--|------|------|--|-----|-----|---|------|------|
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   | 1h   | 3h  | CB  | 1h  | 3h   | CB   |
| 2,5   | 4,4   | 4,4 | 4,4 | 9,3  | 9,3  | 9,3  | 4,4  | 4,4 | 4,4 | 9,3   | 9,3  | 9,3  |
| 3,0   | 5,0   | 5,0 | 5,0 | 10,6   | 10,6 | 10,6 | 5,0  | 5,0 | 5,0 | 10,6  | 10,6 | 10,6 |
| 4,0   | 6,0   | 6,0 | 6,0 | 13,2   | 13,2 | 13,2 | 6,0  | 6,0 | 6,0 | 13,2  | 13,2 | 13,2 |
| 5,0   | 6,7   | 6,7 | 6,7 | 15,7   | 15,7 | 15,7 | 6,7  | 6,7 | 6,7 | 15,7  | 15,7 | 15,7 |
| 6,0   | 7,4   | 7,4 | 7,4 | 17,9   | 17,9 | 17,9 | 7,4  | 7,4 | 7,4 | 17,9  | 17,9 | 17,9 |
| 7,0   | 7,8   | 7,8 | 7,8 | 19,9   | 19,9 | 19,9 | 7,8  | 7,8 | 7,8 | 19,9  | 19,9 | 19,9 |
| 8,0   | 7,9   | 7,9 | 7,9 | 21,5   | 21,5 | 21,5 | 7,9  | 7,9 | 7,9 | 21,5  | 21,5 | 21,5 |

| Typ<br>Type  | Model<br>Model        | Źródło światła<br>Light source | Czas<br>Time | Tryb pracy<br>Mode | Strumień<br>Luminous flux |
|--|-----------------------|--------------------------------|--------------|--------------------|---------------------------|
| <b>ST - TEST RĘCZNY / MANUAL TEST [S]</b>  |                       |                                |              |                    |                           |
| RINO   | S1 302 ST             | 2W / 1xLED                     | 3h           | M/NM               | 217 lm                    |
| RINO   | S1E 101 ST            | 1W / 1xLED                     | 1h           | NM                 | 217 lm                    |
| RINO   | S1E 301 ST            | 1W / 1xLED                     | 3h           | NM                 | 217 lm                    |
| RINO   | S2 105 ST             | 5W / 2xLED                     | 1h           | M/NM               | 427 lm                    |
| RINO   | S2 305 ST             | 5W / 2xLED                     | 3h           | M/NM               | 427 lm                    |
| <b>AT - TEST AUTOMATYCZNY / SELFTEST (AUTOTEST) [P]</b>  |                       |                                |              |                    |                           |
| RINO   | S1 302 AT             | 2W / 1xLED                     | 3h           | M/NM               | 217 lm                    |
| RINO   | S1E 101 AT            | 1W / 1xLED                     | 1h           | NM                 | 217 lm                    |
| RINO   | S1E 301 AT            | 1W / 1xLED                     | 3h           | NM                 | 217 lm                    |
| RINO   | S2 105 AT             | 5W / 2xLED                     | 1h           | M/NM               | 427 lm                    |
| RINO   | S2 305 AT             | 5W / 2xLED                     | 3h           | M/NM               | 427 lm                    |
| <b>DATA - TEST CENTRALNY AUTOMATYCZNY (MONITORING) / AUTOMATIC CENTRAL TEST (MONITORING) [ER or PRN]</b> |                       |                                |              |                    |                           |
| RINO   | S1 302 DATA (DATA 2)  | 2W / 1xLED                     | 3h           | M/NM               | 217 lm                    |
| RINO   | S1E 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 217 lm                    |
| RINO   | S1E 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 217 lm                    |
| RINO   | S2 105 DATA (DATA 2)  | 5W / 2xLED                     | 1h           | M/NM               | 427 lm                    |
| RINO   | S2 305 DATA (DATA 2)  | 5W / 2xLED                     | 3h           | M/NM               | 427 lm                    |

CB - CENTRALNA BATERIA / CENTRAL BATTERY [ER or PRN]

|      |            |            |   |   |        |
|------|------------|------------|---|---|--------|
| RINO | S1 02 CBm  | 2W / 1xLED | - | - | 217 lm |
| RINO | S1E 01 CBm | 1W / 1xLED | - | - | 217 lm |
| RINO | S2 05 CBm  | 5W / 2xLED | - | - | 427 lm |

NM - praca awaryjna / non maintained  
M - praca sieciowo-awaryjna / maintained  
CBm - do centralnej baterii / to central battery

m - 1 bez modułu adresowego / 1 with no addressable module  
2 moduł adresowy v1 / 2 addressable module v1  
3 moduł adresowy v3 / 3 addressable module v2

## RINO C1, C2

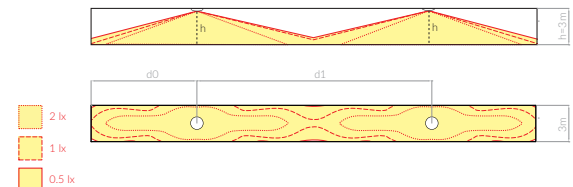
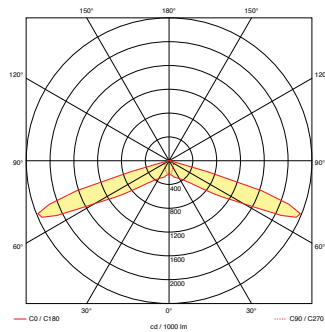
oświetlenie drogi ewakuacji  
escape route lighting

|   |  |
|---|--|
| <p>Wymiary [mm]<br/>Dimensions [mm]</p> | <p>Montaż<br/>Mounting</p>                 |
|   | <p>Aksesoria [mm]<br/>Accessories [mm]</p> |

25 x 19,5 x 5 [cm]  
Ilość opakowań:  
quantity of boxes: 350 szt.

80 cm 120 cm

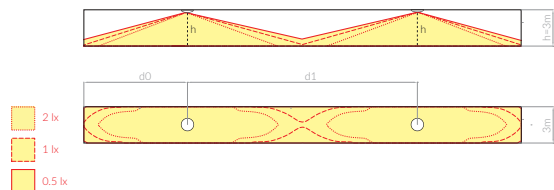
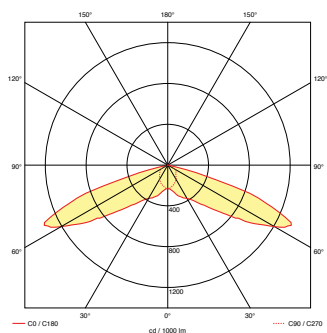
### RINO C1



| Wysokość<br>montażu h (m)<br>Mounting<br>height h (m) | Maks. dystans ściana/<br>oprawa [m]<br>Max. distance wall/<br>fitting [m] |      |      | Maks. dystans oprawa/<br>oprawa [m]<br>Max. distance fitting/<br>fitting [m] |      |      |
|---|---|------|------|--|------|------|
|   | 1h  | 3h   | CB   | 1h   | 3h   | CB   |
| 2,5   | 7.7   | 7.7  | 7.7  | 16.8   | 16.8 | 16.8 |
| 3,0   | 8.7   | 8.7  | 8.7  | 19.4   | 19.4 | 19.4 |
| 4,0   | 10.2  | 10.2 | 10.2 | 24.0   | 24.0 | 24.0 |
| 5,0   | 9.5   | 9.5  | 9.5  | 27.0   | 27.0 | 27.0 |
| 6,0   | 2.5   | 2.5  | 2.5  | 19.0   | 19.0 | 19.0 |



## RINO C2



| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |      |      | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      |
|---|---|------|------|--|------|------|
|   | 1h  | 3h   | CB   | 1h   | 3h   | CB   |
| 2,5   | 7,6   | 7,6  | 7,6  | 16,5   | 16,5 | 16,5 |
| 3,0   | 8,6   | 8,6  | 8,6  | 19,0   | 19,0 | 19,0 |
| 4,0   | 10,0  | 10,0 | 10,0 | 23,2   | 23,2 | 23,2 |
| 5,0   | 11,2  | 11,2 | 11,2 | 26,6   | 26,6 | 26,6 |
| 6,0   | 11,9  | 11,9 | 11,9 | 29,2   | 29,2 | 29,2 |
| 7,0   | 11,1  | 11,1 | 11,1 | 31,4   | 31,4 | 31,4 |
| 8,0   | 7,7   | 7,7  | 7,7  | 33   | 33   | 33   |

| Typ<br>Type   | Model<br>Model        | Źródło światła<br>Light source | Czas<br>Time | Tryb pracy<br>Mode | Strumień<br>Luminous flux |
|---|-----------------------|--------------------------------|--------------|--------------------|---------------------------|
| ST - TEST RĘCZNY / MANUAL TEST [S]  |                       |                                |              |                    |                           |
| RINO  | C1 302 ST             | 2W / 1xLED                     | 3h           | M/NM               | 188 lm                    |
| RINO  | C1E 101 ST            | 1W / 1xLED                     | 1h           | NM                 | 188 lm                    |
| RINO  | C1E 301 ST            | 1W / 1xLED                     | 3h           | NM                 | 188 lm                    |
| RINO  | C2 105 ST             | 5W / 2xLED                     | 1h           | M/NM               | 398 lm                    |
| RINO  | C2 305 ST             | 5W / 2xLED                     | 3h           | M/NM               | 398 lm                    |
| AT - TEST AUTOMATYCZNY / SELFTEST (AUTOTEST) [P]  |                       |                                |              |                    |                           |
| RINO  | C1 302 AT             | 2W / 1xLED                     | 3h           | M/NM               | 188 lm                    |
| RINO  | C1E 101 AT            | 1W / 1xLED                     | 1h           | NM                 | 188 lm                    |
| RINO  | C1E 301 AT            | 1W / 1xLED                     | 3h           | NM                 | 188 lm                    |
| RINO  | C2 105 AT             | 5W / 2xLED                     | 1h           | M/NM               | 398 lm                    |
| RINO  | C2 305 AT             | 5W / 2xLED                     | 3h           | M/NM               | 398 lm                    |
| DATA - TEST CENTRALNY AUTOMATYCZNY (MONITORING) / AUTOMATIC CENTRAL TEST (MONITORING) [ER or PRN] |                       |                                |              |                    |                           |
| RINO  | C1 302 DATA (DATA 2)  | 2W / 1xLED                     | 3h           | M/NM               | 188 lm                    |
| RINO  | C1E 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 188 lm                    |
| RINO  | C1E 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 188 lm                    |
| RINO  | C2 105 DATA (DATA)    | 5W / 2xLED                     | 1h           | M/NM               | 398 lm                    |
| RINO  | C2 305 DATA (DATA 2)  | 5W / 2xLED                     | 3h           | M/NM               | 398 lm                    |
| CB - CENTRALNA BATERIA / CENTRAL BATTERY [ER or PRN]  |                       |                                |              |                    |                           |
| RINO  | C1 02 CBm             | 2W / 1xLED                     | -            | -                  | 188 lm                    |
| RINO  | C1E 01 CBm            | 1W / 1xLED                     | -            | -                  | 188 lm                    |
| RINO  | C2 05 CBm             | 5W / 2xLED                     | -            | -                  | 398 lm                    |

NM - praca awaryjna / non maintained  
M - praca sieciowo-awaryjna / maintained  
CBm - do centralnej baterii / to central battery

m - 1 bez modułu adresowego / 1 with no addressable module  
2 moduł adresowy v1 / 2 addressable module v1  
3 moduł adresowy v3 / 3 addressable module v2

# RINO F1, F2

oświetlenie drogi ewakuacji  
escape route lighting

**Wymiary [mm]**  
Dimensions [mm]

230 x 65 x 40

70 cm

ø 85

ø 120

25 x 19,5 x 5 [cm]

Ilość opakowań:  
quantity of boxes: 350 szt.

180 cm  
80 cm 120 cm

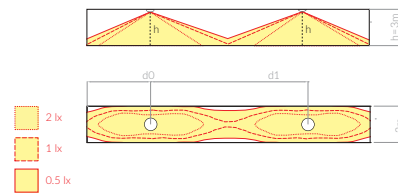
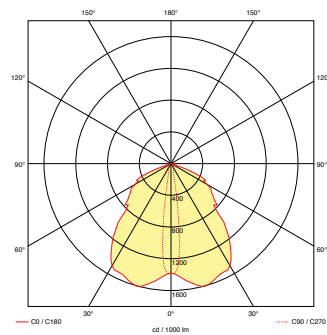
**Montaż**  
Mounting

**Akcesoria [mm]**  
Accessories [mm]

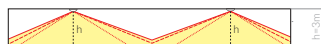
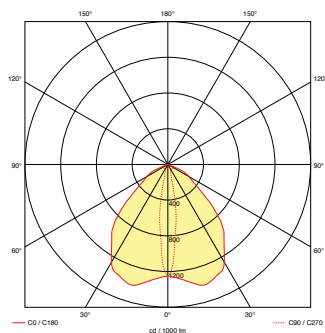
90

90

## RINO F1 >



| Wysokość<br>montażu h (m)<br>Mounting<br>height h (m) | Maks. dystans ściana/<br>oprawa [m]<br>Max. distance wall/<br>fitting [m] |     |     | Maks. dystans oprawa/<br>oprawa [m]<br>Max. distance fitting/<br>fitting [m] |      |      |
|---|---|-----|-----|--|------|------|
|   | 1h  | 3h  | CB  | 1h   | 3h   | CB   |
| 2,5   | 4,8   | 4,8 | 4,8 | 11,7   | 11,7 | 11,7 |
| 3,0   | 5,2   | 5,2 | 5,2 | 13,0   | 13,0 | 13,0 |
| 4,0   | 5,9   | 5,9 | 5,9 | 14,5   | 14,5 | 14,5 |
| 5,0   | 6,2   | 6,2 | 6,2 | 15,9   | 15,9 | 15,9 |
| 6,0   | 6,3   | 6,3 | 6,3 | 16,8   | 16,8 | 16,8 |
| 7,0   | 6,7   | 6,7 | 6,7 | 17,3   | 17,3 | 17,3 |
| 8,0   | 7,1   | 7,1 | 7,1 | 17,8   | 17,8 | 17,8 |
| 9,0   | 7,3   | 7,3 | 7,3 | 18,2   | 18,2 | 18,2 |
| 10,0  | 7,4   | 7,4 | 7,4 | 19   | 19   | 19   |

**RINO F2**


| Wysokość montażu h (m)<br>Mounting height h (m) | Maks. dystans ściana/oprawa [m]<br>Max. distance wall/fitting [m] |     |     | Maks. dystans oprawa/oprawa [m]<br>Max. distance fitting/fitting [m] |      |      |
|---|---|-----|-----|--|------|------|
|   | d0  | d1  | CB  | 1h   | 3h   | CB   |
| 2,5   | 5.0   | 5.0 | 5.0 | 11.5   | 11.5 | 11.5 |
| 3,0   | 5.5   | 5.5 | 5.5 | 13.0   | 13.0 | 13.0 |
| 4,0   | 6.2   | 6.2 | 6.2 | 15.2   | 15.2 | 15.2 |
| 5,0   | 6.9   | 6.9 | 6.9 | 16.6   | 16.6 | 16.6 |
| 6,0   | 7.6   | 7.6 | 7.6 | 17.9   | 17.9 | 17.9 |
| 7,0   | 8.2   | 8.2 | 8.2 | 19.3   | 19.3 | 19.3 |
| 8,0   | 8.8   | 8.8 | 8.8 | 20.7   | 20.7 | 20.7 |
| 9,0   | 9.3   | 9.3 | 9.3 | 22   | 22   | 22   |
| 10,0  | 9.7   | 9.7 | 9.7 | 23.2   | 23.2 | 23.2 |

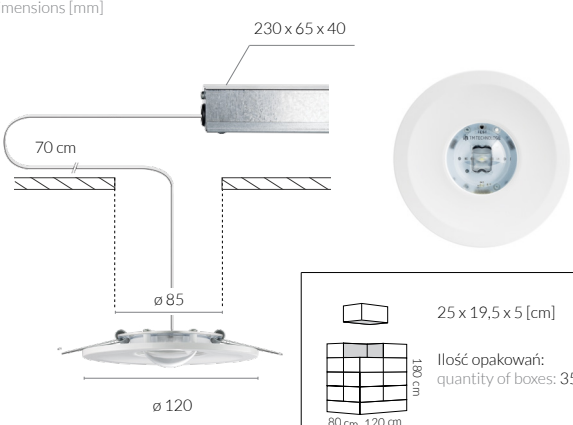
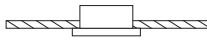
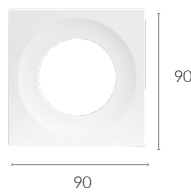
| Typ<br>Type  | Model<br>Model        | Źródło światła<br>Light source | Czas<br>Time | Tryb pracy<br>Mode | Strumień<br>Luminous flux |
|--|-----------------------|--------------------------------|--------------|--------------------|---------------------------|
| <b>ST – TEST RĘCZNY / MANUAL TEST [S]</b>  |                       |                                |              |                    |                           |
| RINO   | F1 302 AT             | 2W / 1xLED                     | 3h           | M/NM               | 199 lm                    |
| RINO   | F1E 101 AT            | 1W / 1xLED                     | 1h           | NM                 | 199 lm                    |
| RINO   | F1E 301 AT            | 1W / 1xLED                     | 3h           | NM                 | 199 lm                    |
| RINO   | F2 105 AT             | 5W / 2xLED                     | 1h           | M/NM               | 442 lm                    |
| RINO   | F2 305 AT             | 5W / 2xLED                     | 3h           | M/NM               | 422 lm                    |
| <b>AT – TEST AUTOMATYCZNY / SELFTEST (AUTOTEST) [P]</b>  |                       |                                |              |                    |                           |
| RINO   | F1 302 DATA (DATA 2)  | 2W / 1xLED                     | 3h           | M/NM               | 199 lm                    |
| RINO   | F1E 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 199 lm                    |
| RINO   | F1E 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 199 lm                    |
| RINO   | F2 105 DATA (DATA 2)  | 5W / 2xLED                     | 1h           | M/NM               | 442 lm                    |
| RINO   | F2 305 DATA (DATA 2)  | 5W / 2xLED                     | 3h           | M/NM               | 422 lm                    |
| <b>DATA – TEST CENTRALNY AUTOMATYCZNY (MONITORING) / AUTOMATIC CENTRAL TEST (MONITORING) [ER or PRN]</b> |                       |                                |              |                    |                           |
| RINO   | F1 302 DATA (DATA 2)  | 2W / 1xLED                     | 3h           | M/NM               | 199 lm                    |
| RINO   | F1E 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 199 lm                    |
| RINO   | F1E 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 199 lm                    |
| RINO   | F2 105 DATA (DATA 2)  | 5W / 2xLED                     | 1h           | M/NM               | 442 lm                    |
| RINO   | F2 305 DATA (DATA 2)  | 5W / 2xLED                     | 3h           | M/NM               | 422 lm                    |
| <b>CB – CENTRALNA BATERIA / CENTRAL BATTERY [ER or PRN]</b>  |                       |                                |              |                    |                           |
| RINO   | F1 02 CBm             | 2W / 1xLED                     | -            | -                  | 199 lm                    |
| RINO   | F1E 01 CBm            | 1W / 1xLED                     | -            | -                  | 199 lm                    |
| RINO   | F2 05 CBm             | 5W / 2xLED                     | -            | -                  | 442 lm                    |

NM – praca awaryjna / non maintained  
M – praca sieciowo-awaryjna / maintained  
CBm – do centralnej baterii / to central battery

m – 1 bez modułu adresowego / 1 with no addressable module  
2 moduł adresowy v1 / 2 addressable module v1  
3 moduł adresowy v3 / 3 addressable module v2

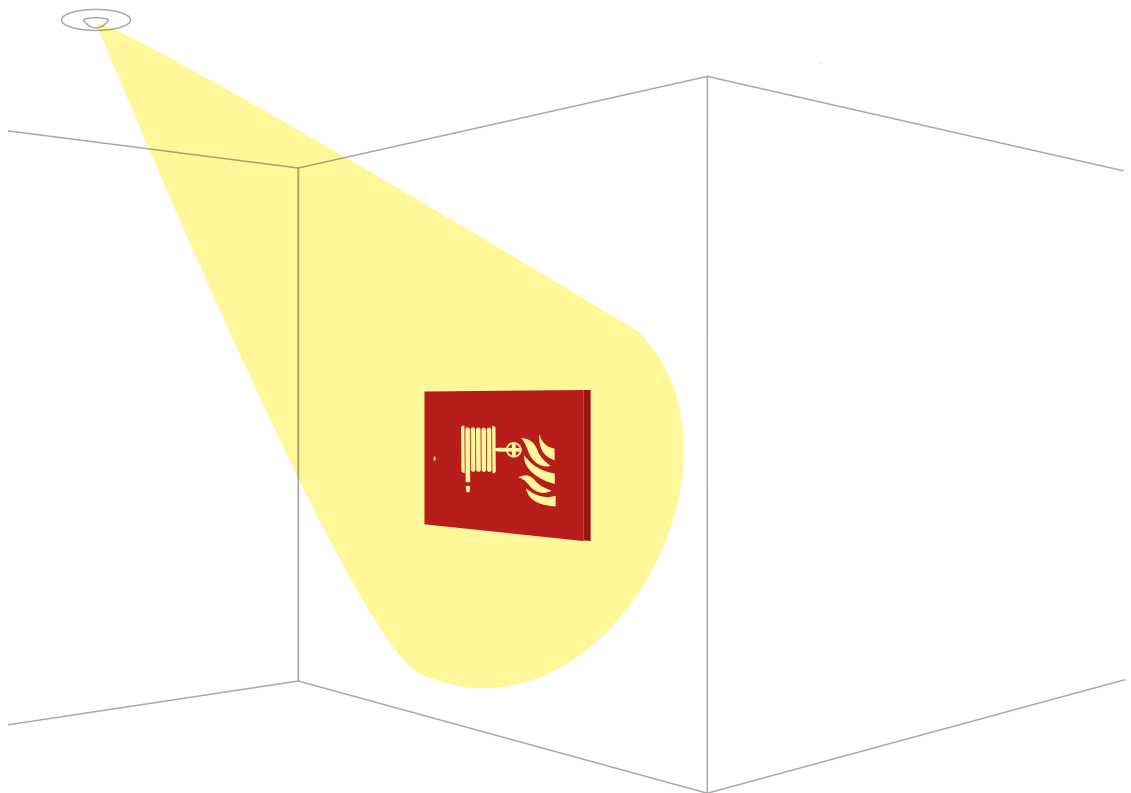
# RINO W1, W2 oświetlenie drogi ewakuacji

escape route lighting

|   |  |
|---|--|
| <p>Wymiary [mm]<br/>Dimensions [mm]</p>  <p>230 x 65 x 40</p> <p>70 cm</p> <p>ø 85</p> <p>ø 120</p> <p>25 x 19,5 x 5 [cm]</p> <p>Ilość opakowań:<br/>quantity of boxes: 350 szt.</p> <p>180 cm</p> <p>80 cm 120 cm</p> | <p>Montaż<br/>Mounting</p>  |
| <p>Aksesoria [mm]<br/>Accessories [mm]</p>  <p>90</p> <p>90</p>  |  |

## ZASTOSOWANIE RINO W1, W2

THE USE OF RINO W1, W2





| Typ<br>Type   | Model<br>Model        | Źródło światła<br>Light source | Czas<br>Time | Tryb pracy<br>Mode | Strumień<br>Luminous flux |
|---|-----------------------|--------------------------------|--------------|--------------------|---------------------------|
| ST – TEST RĘCZNY / MANUAL TEST [S]  |                       |                                |              |                    |                           |
| RINO  | W1 302 ST             | 2W / 1xLED                     | 3h           | M/NM               | 205 lm                    |
| RINO  | W1E 101 ST            | 1W / 1xLED                     | 1h           | NM                 | 205 lm                    |
| RINO  | W1E 301 ST            | 1W / 1xLED                     | 3h           | NM                 | 205 lm                    |
| RINO  | W2 105 ST             | 5W / 2xLED                     | 1h           | M/NM               | 372 lm                    |
| RINO  | W2 305 ST             | 5W / 2xLED                     | 3h           | M/NM               | 372 lm                    |
| AT – TEST AUTOMATYCZNY / SELFTTEST (AUTOTEST) [P]   |                       |                                |              |                    |                           |
| RINO  | W1 302 AT             | 2W / 1xLED                     | 3h           | M/NM               | 205 lm                    |
| RINO  | W1E 101 AT            | 1W / 1xLED                     | 1h           | NM                 | 205 lm                    |
| RINO  | W1E 301 AT            | 1W / 1xLED                     | 3h           | NM                 | 205 lm                    |
| RINO  | W2 105 AT             | 5W / 2xLED                     | 1h           | M/NM               | 372 lm                    |
| RINO  | W2 305 AT             | 5W / 2xLED                     | 3h           | M/NM               | 372 lm                    |
| DATA – TEST CENTRALNY AUTOMATYCZNY (MONITORING) / AUTOMATIC CENTRAL TEST (MONITORING) [ER or PRN] |                       |                                |              |                    |                           |
| RINO  | W1 302 DATA (DATA 2)  | 2W / 1xLED                     | 3h           | M/NM               | 205 lm                    |
| RINO  | W1E 101 DATA (DATA 2) | 1W / 1xLED                     | 1h           | NM                 | 205 lm                    |
| RINO  | W1E 301 DATA (DATA 2) | 1W / 1xLED                     | 3h           | NM                 | 205 lm                    |
| RINO  | W2 105 DATA (DATA 2)  | 5W / 2xLED                     | 1h           | M/NM               | 372 lm                    |
| RINO  | W2 305 DATA (DATA 2)  | 5W / 2xLED                     | 3h           | M/NM               | 372 lm                    |
| CB – CENTRALNA BATERIA / CENTRAL BATTERY [ER or PRN]  |                       |                                |              |                    |                           |
| RINO  | W1 02 CBm             | 2W / 1xLED                     | -            | -                  | 205 lm                    |
| RINO  | W1E 01 CBm            | 1W / 1xLED                     | -            | -                  | 205 lm                    |
| RINO  | W2 05 CBm             | 5W / 2xLED                     | -            | -                  | 372 lm                    |

NM – praca awaryjna / non maintained  
M - praca sieciowo-awaryjna / maintained  
CBm - do centralnej baterii / to central battery

m - 1 bez modułu adresowego / 1 with no addressable module  
2 moduł adresowy v1 / 2 addressable module v1  
3 moduł adresowy v3 / 3 addressable module v2