

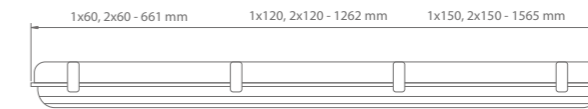
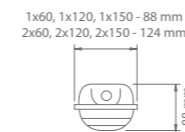


Wars LED Panel



- ▶ Stopień ochrony IP65
- ▶ Korpus i klosz wykonany z wysokiej jakości poliwęglanu (PC)
- ▶ Zatrzaski klosza z poliwęglanu (PC), opcjonalnie ze stali nierdzewnej (INOX)
- ▶ Napięcie zasilania: 230VAC (wersje MT, AT i CT) lub 230VAC/220VDC (wersja CB)
- ▶ Źródło światła: nowoczesne panele LED
- ▶ Wersje wielkości obudowy: 6 (3 długości: 60, 120 i 150 / 2 szerokości: 1x i 2x)
- ▶ Zakres dostępnych mocy opraw: od 19W do 60W
- ▶ Dostępne wykonania: oświetlenie podstawowe, awaryjne i awaryjne LT do niskich temperatur (do -25°C)
- ▶ Dostępne moce świecenia awaryjnego: od 2W do 12W
- ▶ Tryby awaryjne: A – awaryjny lub SA – sieciowo-awaryjny
- ▶ Czasy autonomii: 2h, 3h
- ▶ Opcje testowania: MT – test ręczny, AT – test automatyczny, CT – test centralny (Wells) lub CB – wykonanie do baterii centralnej
- ▶ Akumulatory do wykonania awaryjnych: NiCd lub LiFePO4 (zależnie od wersji)
- ▶ Montaż: sufitowy lub na zwieszakach – regulowany
- ▶ Do oświetlania hal przemysłowych, magazynów, tuneli, piwnic, garaży, itp. (oświetlenie podstawowe) oraz do oświetlania stref otwartych, dróg i wyjść ewakuacyjnych (oświetlenie awaryjne) w budynkach użyteczności publicznej
- ▶ Temperatura barwowa: 4000K
- ▶ Współczynnik oddawania barw: Ra>=80
- ▶ Zakres temperatur pracy: $t_a = -25^{\circ}\text{C} \div +40^{\circ}\text{C}$ (oświetlenie podstawowe), $t_a = +10^{\circ}\text{C} \div +30^{\circ}\text{C}$ (oświetlenie awaryjne) lub $t_a = -25^{\circ}\text{C} \div +30^{\circ}\text{C}$ (oświetlenie awaryjne LT do niskich temperatur)

- ▶ IP65 protection rating of a housing
- ▶ Housing's base and diffuser made of high quality polycarbonate (PC)
- ▶ Diffuser's clips made of polycarbonate (PC), optionally of stainless steel (INOX)
- ▶ Power supply voltage: 230VAC (MT, AT and CT versions) or 230VAC/220VDC (CB version)
- ▶ Light source: modern LED panels
- ▶ Housing's sizes versions: 6 (3 lengths: 60, 120 and 150 / 2 widths: 1x and 2x)
- ▶ Luminaires' available power's range: from 19W to 60W
- ▶ Available models: standard, emergency and LT low temperature (up to -25°C) emergency lighting
- ▶ Available emergency powers: from 2W to 12W
- ▶ Emergency modes: A – Non-Maintained or SA – Maintained
- ▶ Autonomy times: 2h, 3h
- ▶ Testing options: MT – manual test, AT – auto test, CT – central test (Wells) or CB – central battery version
- ▶ Batteries for emergency versions: NiCd or LiFePO4 (depending on version)
- ▶ Ceiling installation or pendant type installation – adjustable
- ▶ For illuminating industrial halls, warehouses, tunnels, basements, garages, etc. (standard lighting) and open spaces, evacuation ways and exits (emergency lighting) in public utility buildings
- ▶ Colour temperature: 4000K
- ▶ Colour rendering index: Ra>=80
- ▶ Temperature working range: $t_a = -25^{\circ}\text{C} \div +40^{\circ}\text{C}$ (standard lighting), $t_a = +10^{\circ}\text{C} \div +30^{\circ}\text{C}$ (emergency lighting) or $t_a = -25^{\circ}\text{C} \div +30^{\circ}\text{C}$ (LT low temperature emergency lighting)



MODELE STANDARDOWE / STANDARD MODELS

| Model / Model | Numer katalogowy / Catalogue number | Moc całkowita / Total power | Strumień świetlny / Luminous flux | Temperatura barwowa / Colour temperature |
|----------------------------|-------------------------------------|-----------------------------|-----------------------------------|--|
| WARS LED PANEL 1X60 4000K | 93101 | 19W | 2100 lm | 4000K |
| WARS LED PANEL 2X60 4000K | 93102 | 24W | 2700 lm | 4000K |
| WARS LED PANEL 1X120 4000K | 93103 | 39W | 3200 lm | 4000K |
| WARS LED PANEL 2X120 4000K | 93104 | 49W | 4500 lm | 4000K |
| WARS LED PANEL 1X150 4000K | 93105 | 49W | 4900 lm | 4000K |
| WARS LED PANEL 2X150 4000K | 93106 | 60W | 5800 lm | 4000K |

MODELE AWARYJNE Z TESTEM MANUALNYM / EMERGENCY MODELS WITH MANUAL TEST



| Model / Model | Numer katalogowy / Catalogue number | Moc całkowita / Total power | Moc awaryjna / Emergency power | Strumień świetlny sieciowy / Mains luminous flux | Strumień świetlny awaryjny / Emergency luminous flux | Tryb / Mode | Autonomia / Autonomy | Akumulator / Battery Pack | Test / Test |
|-------------------------------------|-------------------------------------|-----------------------------|--------------------------------|--|--|-------------|----------------------|---------------------------|-------------|
| WARS LED PANEL 1X60 SA 2H MT 4000K | 93119 | 22W | 2W | 2100 lm | 285 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 2X60 SA 2H MT 4000K | 93120 | 27W | 2W | 2700 lm | 275 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 2X60 SA 3H MT 4000K | 93126 | 27W | 2W | 2700 lm | 275 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 1X120 SA 2H MT 4000K | 93121 | 42W | 2W | 3200 lm | 255 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 1X120 SA 3H MT 4000K | 93127 | 42W | 2W | 3200 lm | 255 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 2X120 SA 2H MT 4000K | 93122 | 52W | 2W | 4500 lm | 255 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 2X120 SA 3H MT 4000K | 93128 | 52W | 2W | 4500 lm | 255 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 1X150 SA 2H MT 4000K | 93123 | 52W | 2W | 4900 lm | 245 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 1X150 SA 3H MT 4000K | 93129 | 52W | 2W | 4900 lm | 245 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 2X150 SA 2H MT 4000K | 93124 | 63W | 2W | 5800 lm | 230 lm | SA (M) | 2h | NiCd 3,6V 2500mAh | MT |
| WARS LED PANEL 2X150 SA 3H MT 4000K | 93130 | 63W | 2W | 5800 lm | 230 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |

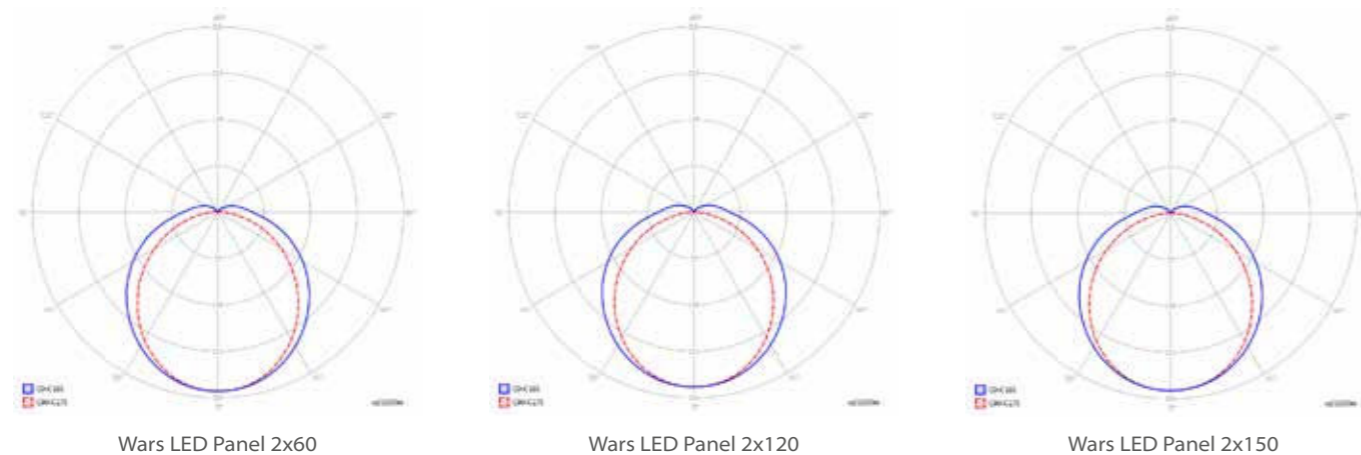
MODELE AWARYJNE Z TESTEM AUTOMATYCZNYM / EMERGENCY MODELS WITH AUTO TEST



| Model / Model | Numer katalogowy / Catalogue number | Moc całkowita / Total power | Moc awaryjna / Emergency power | Strumień świetlny sieciowy / Mains luminous flux | Strumień świetlny awaryjny / Emergency luminous flux | Tryb / Mode | Autonomia / Autonomy | Akumulator / Battery Pack | Test / Test |
|---|-------------------------------------|-----------------------------|--------------------------------|--|--|-------------|----------------------|---------------------------|-------------|
| WARS LED PANEL 1X60 SA-3W 2H AT 4000K | 93137 | 22W | 3W | 2100 lm | 490 lm | SA (M) | 2h | LiFePO4 12,8V 1000mAh | AT |
| WARS LED PANEL 1X60 SA-3W 3H AT 4000K | 93143 | 22W | 3W | 2100 lm | 490 lm | SA (M) | 3h | LiFePO4 12,8V 1600mAh | AT |
| WARS LED PANEL 2X60 SA-6W 2H AT 4000K | 93138 | 27W | 6W | 2700 lm | 900 lm | SA (M) | 2h | LiFePO4 12,8V 1600mAh | AT |
| WARS LED PANEL 1X120 SA-6W 2H AT 4000K | 93139 | 42W | 6W | 3200 lm | 790 lm | SA (M) | 2h | LiFePO4 12,8V 1600mAh | AT |
| WARS LED PANEL 1X120 SA-6W 3H AT 4000K | 93145 | 42W | 6W | 3200 lm | 790 lm | SA (M) | 3h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 2X120 SA-9W 2H AT 4000K | 93140 | 52W | 9W | 4500 lm | 1195 lm | SA (M) | 2h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 2X120 SA-9W 3H AT 4000K | 93146 | 52W | 9W | 4500 lm | 1195 lm | SA (M) | 3h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 1X150 SA-9W 2H AT 4000K | 93141 | 52W | 9W | 4900 lm | 1290 lm | SA (M) | 2h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 1X150 SA-9W 3H AT 4000K | 93147 | 52W | 9W | 4900 lm | 1290 lm | SA (M) | 3h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 2X150 SA-12W 2H AT 4000K | 93142 | 63W | 12W | 5800 lm | 1575 lm | SA (M) | 2h | LiFePO4 12,8V 3000mAh | AT |
| WARS LED PANEL 2X150 SA-12W 3H AT 4000K | 93148 | 63W | 12W | 5800 lm | 1575 lm | SA (M) | 3h | LiFePO4 12,8V 4000mAh | AT |

A (NM) - tryb awaryjny / non-maintained mode
SA - tryb sieciowo-awaryjny / maintained mode

MT - tryb ręczny / manual test
AT - tryb automatyczny / autotest



Wars LED Panel 2x60

Wars LED Panel 2x120

Wars LED Panel 2x150



MODELE AWARYJNE PRZYSTOSOWANE DO NISKICH TEMPERATUR /
EMERGENCY MODELS ADEPTED FOR LOW TEMPERATURES



| Model / Model | Numer katalogowy / Catalogue number | Moc całkowita / Total power | Moc awaryjna / Emergency power | Strumień świetlny sieciowy / Mains luminous flux | Strumień świetlny awaryjny / Emergency luminous flux | Tryb / Mode | Autonomia / Autonomy | Akumulator / Battery Pack | Test / Test |
|--|-------------------------------------|-----------------------------|--------------------------------|--|--|-------------|----------------------|---------------------------|-------------|
| WARS LED PANEL 2X60 SA 3H MT 4000K LT | 93185 | 41W | 2W | 2700 lm | 275 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 2X120 SA 3H MT 4000K LT | 93182 | 66W | 2W | 4500 lm | 255 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |
| WARS LED PANEL 2X150 SA 3H MT 4000K LT | 93186 | 77W | 2W | 5800 lm | 230 lm | SA (M) | 3h | NiCd 3,6V 4000mAh | MT |

SA (M) - tryb sieciowo-awaryjny / maintained mode

MT - test ręczny / manual test

LT - Model przystosowany do niskich temperatur (do t_a -25°C) / Model adapted for low temperatures (up to t_a -25°C)

MODELE DO BATERII CENTRALNEJ / MODELS FOR CENTRAL BATTERY

| Model / Model | Numer katalogowy / Catalogue number | Moc całkowita / Total power | Strumień świetlny / Luminous flux | Temperatura barwowa / Colour temperature |
|-------------------------------|-------------------------------------|-----------------------------|-----------------------------------|--|
| WARS LED PANEL 1X60 CB 4000K | 93107 | 19W | 2100 lm | 4000K |
| WARS LED PANEL 2X60 CB 4000K | 93108 | 24W | 2700 lm | 4000K |
| WARS LED PANEL 1X120 CB 4000K | 93109 | 39W | 3200 lm | 4000K |
| WARS LED PANEL 2X120 CB 4000K | 93110 | 49W | 4500 lm | 4000K |
| WARS LED PANEL 1X150 CB 4000K | 93111 | 49W | 4900 lm | 4000K |
| WARS LED PANEL 2X150 CB 4000K | 93112 | 60W | 5800 lm | 4000K |

TABELE ODSTEPÓW DLA PŁASKICH DRÓG EWAKUACYJNYCH I PRZESTRZENI OTWARTYCH / SPACING TABLES FOR FLAT EVACUATION ROUTES AND OPEN SPACES

WARS LED PANEL 2x60 MT

| Wysokość montażu (m) / Installation height (m) | 3,7 | 9,5 | 8,7 | 3,4 |
|--|-----|------|------|-----|
| 2,5 | 3,7 | 9,5 | 8,7 | 3,4 |
| 3 | 3,8 | 10,1 | 9,2 | 3,5 |
| 4 | 3,8 | 10,8 | 10,0 | 3,6 |

WARS LED PANEL 2x120 MT

| Wysokość montażu (m) / Installation height (m) | 3,5 | 9,4 | 8,5 | 3,3 |
|--|-----|------|-----|-----|
| 2,5 | 3,5 | 9,4 | 8,5 | 3,3 |
| 3 | 3,7 | 9,9 | 9,1 | 3,4 |
| 4 | 3,7 | 10,5 | 9,8 | 3,4 |

WARS LED PANEL 2x150 MT

| Wysokość montażu (m) / Installation height (m) | 3,4 | 9,0 | 8,4 | 3,3 |
|--|-----|------|-----|-----|
| 2,5 | 3,4 | 9,0 | 8,4 | 3,3 |
| 3 | 3,4 | 9,4 | 8,8 | 3,3 |
| 4 | 3,4 | 10,0 | 9,5 | 3,3 |

WARS LED PANEL 2x60 SA-6W AT

| Wysokość montażu (m) / Installation height (m) | 5,6 | 12,1 | 10,7 | 4,9 |
|--|-----|------|------|-----|
| 2,5 | 5,6 | 12,1 | 10,7 | 4,9 |
| 3 | 5,8 | 14,5 | 12,8 | 5,2 |
| 4 | 6,4 | 16,6 | 14,9 | 5,9 |

WARS LED PANEL 2x120 SA-9W AT

| Wysokość montażu (m) / Installation height (m) | 6,1 | 12,4 | 10,9 | 5,3 |
|--|-----|------|------|-----|
| 2,5 | 6,1 | 12,4 | 10,9 | 5,3 |
| 3 | 6,4 | 14,8 | 13,0 | 5,8 |
| 4 | 7,2 | 18,4 | 16,3 | 6,4 |

WARS LED PANEL 2x150 SA-12W AT

| Wysokość montażu (m) / Installation height (m) | 6,1 | 12,3 | 10,9 | 5,6 |
|--|-----|------|------|-----|
| 2,5 | 6,1 | 12,3 | 10,9 | 5,6 |
| 3 | 7,0 | 15,3 | 13,3 | 6,1 |
| 4 | 7,8 | 19,4 | 17,1 | 6,9 |

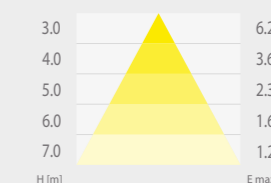
WYKRESY STOJKOWE / CONE DIAGRAMS



Wars LED Panel 2x60 MT*



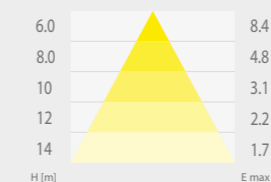
Wars LED Panel 2x120 MT*



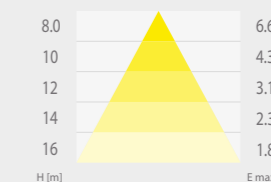
Wars LED Panel 2x150 MT*



Wars LED Panel 2x60 SA-6W AT*



Wars LED Panel 2x120 SA-9W AT*



Wars LED Panel 2x150 SA-12W AT*

* Wykresy dla wersji awaryjnych / Diagrams for emergency versions

AKCESORIA / ACCESSORIES

| Wykonanie produktu / Product version | Numer katalogowy / Catalogue number |
|---|-------------------------------------|
| Zestaw do montażu zwieszanego / Suspended mounting kit | 93075 |
| Zestaw klipsów INOX do Wars Led Panel 6 sztuk * / Set of INOX clips for Wars Led Panel 6 pcs. * | 93231 |
| Zestaw klipsów INOX do Wars Led Panel 10 sztuk ** / Set of INOX clips for Wars Led Panel 10 pcs. ** | 93232 |

* użycie: 1 zestaw do opraw 1x60 lub 2x60; 2 zestawy do opraw 1x150 lub 2x150 / use: 1 set for 1x60 or 2x60 luminaires; 2 sets for 1x150 or 2x150 luminaires

** użycie: 1 zestaw do opraw 1x120 lub 2x120 / use: 1 set for 1x120 or 2x120 luminaires

