



+ 150 lm/W



POLESTAR

LED LUMINAIRE FOR ROADWAY & PUBLIC AREA LIGHTING. STREAMLINED BODY WITH EXTREMELY ROBUST MATERIALS AND ADJUSTABLE ADAPTER.

REFINED TECHNOLOGY

COVER

The cover is made of tempered glass, it effectively reduces light pollution and makes the clean work easier in maintenance.



LATCHES

Tool-free access to the electrical compartment thanks to well latches design.



TILTED ADAPTER

The luminaire features an unique adapter that suitable for poles with Ø40 ... Ø76 mm, tilt function for both side-entry and post-top installations.

SERIES POLESTAR

| | |
|---------------|----------------|
| LED MODULES | 1 ... 4 |
| POWER | 60 ... 240 |
| LUMINOUS FLUX | 8300 ... 38500 |



HOUSING

The luminaire body is made of die-cast aluminum, with powder coated finishing for harsh outdoor environments. Streamlined design significantly lower wind resistance as well as guarantees fresh appearance. Prepared hole on the electrical compartment for optional NEMA socket, photocell and shorting cap.



BREATHHER VALVE

The electrical compartment is equipped with an advanced breather valve for improved waterproof and heat dissipation performance.

LIGHT SOURCE

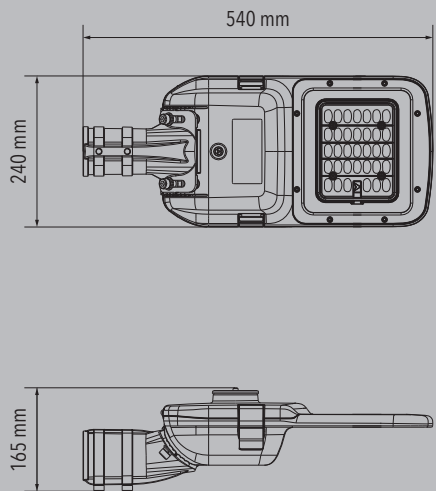
Modular light source with high power LEDs, the LED modules are made of quality polycarbonate lenses and massive aluminum cooling fins, guarantees professional light distributions and thermal management. Available in a wide range of optics improve the necessary flexibility to meet different lighting requirements.



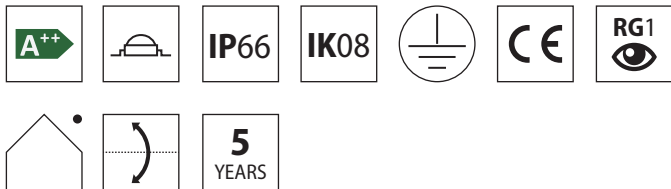
POLESTAR M1



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



FEATURES



CONTROL



TECHNICAL SPECIFICATIONS

| LUMINAIRE BODY | |
|------------------------|---|
| Material | Die-cast aluminum |
| Finsihing process | Powder coated |
| Standard colour | Grey |
| Mounting type | Side-entry / post-top |
| Adjustability | 90° [in 5° step] |
| Net weight | Approx. 4.5 kg |
| Protection class | IP66 |
| Cover | Tempered glass |
| Impact resistance | IK08 |
| PHOTOMETRICAL DATA | |
| Light source type | 1x LED module with 5050 LED |
| Optic material | Polycarbonate lens |
| Optic type | Asymmetrical |
| Light distributions | Type I short |
| | Type II short |
| | Type III short |
| | 150°x100° |
| CCT | 3000K / 4000K / 5000K / 5700K |
| Luminous efficacy | 150 lm/W |
| SDCM | ≤5 |
| CRI | ≥70 |
| Photobiological risk | RG1 |
| ELECTRICAL DATA | |
| Power supply | Built-in LED driver |
| Protection class IEC | Safety class I |
| Input voltage | 100-240VAC 50/60 Hz |
| Wattage | 60W |
| Power factor | >0.95 |
| Surge protection | 10 kV line-earth |
| Standard control | 1-10V |
| INSTALLATION | |
| Environment | Outdoor |
| Application areas | Traffic routes and main access roads, city centersand main streets, urban and residential areas, public areas |
| Operating temperature | -40°C ... +50 °C |
| Operating humidity | 10% ... 90% |
| Type of connection | Cable [3-pole] |
| CAPABILITIES | |
| Lifespan | 50,000 hours |
| LED module replaceable | No |
| Optional control | DALI, ON/OFF, Photocell |

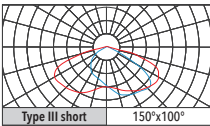
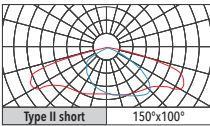
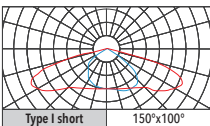
COLOURS



PRODUCT CODES



| | | | | |
|---------------------|--------|-----|--------|-------|
| 1605W60.T1S.3070.04 | 34 LED | 60W | 8300lm | 3000K |
| 1605W60.T1S.4070.04 | 34 LED | 60W | 8500lm | 4000K |
| 1605W60.T1S.5070.04 | 34 LED | 60W | 8900lm | 5000K |
| 1605W60.T1S.5770.04 | 34 LED | 60W | 9200lm | 5700K |



| | | | | |
|---------------------|--------|-----|--------|-------|
| 1605W60.T2S.3070.04 | 34 LED | 60W | 8300lm | 3000K |
| 1605W60.T2S.4070.04 | 34 LED | 60W | 8500lm | 4000K |
| 1605W60.T2S.5070.04 | 34 LED | 60W | 8900lm | 5000K |
| 1605W60.T2S.5770.04 | 34 LED | 60W | 9200lm | 5700K |

| | | | | |
|---------------------|--------|-----|--------|-------|
| 1605W60.T3S.3070.04 | 34 LED | 60W | 8300lm | 3000K |
| 1605W60.T3S.4070.04 | 34 LED | 60W | 8500lm | 4000K |
| 1605W60.T3S.5070.04 | 34 LED | 60W | 8900lm | 5000K |
| 1605W60.T3S.5770.04 | 34 LED | 60W | 9200lm | 5700K |

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

STANDARD ACCESSORIES



| | |
|------|---|
| +A50 | Adapter for pole Ø40 ... Ø50mm, depth 90mm |
| +A60 | Adapter for pole Ø55 ... Ø65mm, depth 100mm |
| +A70 | Adapter for pole Ø66 ... Ø76mm, depth 100mm |

OPTIONAL ACCESSORIES

| | |
|--------|-------------------------------|
| +03002 | On/off |
| +03010 | DALI dimmable |
| +00250 | Photocell |
| +00260 | Shorting cap |
| +00313 | NEMA 3-PIN [non-dimmable] |
| +00315 | NEMA 5-PIN [1-10V dimmable] |
| +00317 | NEMA 7-PIN [DALI dimmable] |

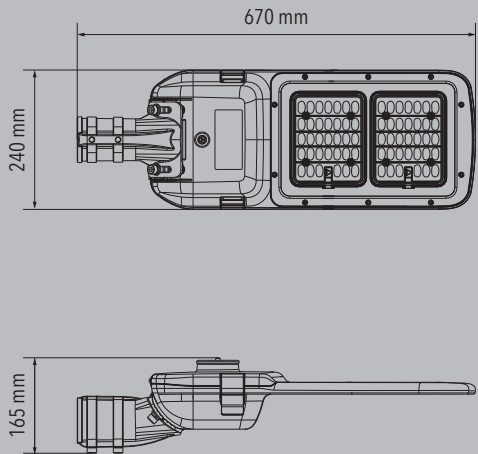
*Example of complete code: 1605W60.T1S.3070.04+A50+03002



POLESTAR M2

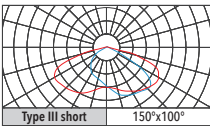
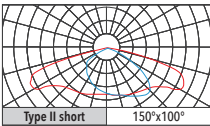
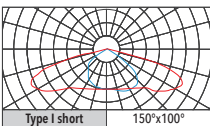


LED LUMINAIRE FOR ROADWAY & PUBLIC AREA LIGHTING



TECHNICAL SPECIFICATIONS

| LUMINAIRE BODY | |
|------------------------|---|
| Material | Die-cast aluminum |
| Finsihing process | Powder coated |
| Standard colour | Grey |
| Mounting type | Side-entry / post-top |
| Adjustability | 90° [in 5° step] |
| Net weight | Approx. 5.4 kg |
| Protection class | IP66 |
| Cover | Tempered glass |
| Impact resistance | IK08 |
| PHOTOMETRICAL DATA | |
| Light source type | 2x LED modules with 5050 LED |
| Optic material | Polycarbonate lens |
| Optic type | Asymmetrical |
| Light distributions | Type I short |
| | Type II short |
| | Type III short |
| | 150°x100° |
| CCT | 3000K / 4000K / 5000K / 5700K |
| Luminous efficacy | 150 lm/W |
| SDCM | ≤5 |
| CRI | ≥70 |
| Photobiological risk | RG1 |
| ELECTRICAL DATA | |
| Power supply | Built-in LED driver |
| Protection class IEC | Safety class I |
| Input voltage | 100-240VAC 50/60 Hz |
| Wattage | 120W |
| Power factor | >0.95 |
| Surge protection | 10 kV line-earth |
| Standard control | 1-10V |
| INSTALLATION | |
| Environment | Outdoor |
| Application areas | Traffic routes and main access roads, city centersand main streets, urban and residential areas, public areas |
| Operating temperature | -40°C ... +50 °C |
| Operating humidity | 10% ... 90% |
| Type of connection | Cable [3-pole] |
| CAPABILITIES | |
| Lifespan | 50,000 hours |
| LED module replaceable | No |
| Optional control | DALI, ON/OFF, Photocell |



PRODUCT CODES



| | | | | |
|-----------------------------|--------|------|---------|-------|
| 1605W120.T1S.3070.04 | 68 LED | 120W | 16500lm | 3000K |
| 1605W120.T1S.4070.04 | 68 LED | 120W | 17400lm | 4000K |
| 1605W120.T1S.5070.04 | 68 LED | 120W | 18300lm | 5000K |
| 1605W120.T1S.5770.04 | 68 LED | 120W | 19250lm | 5700K |

| | | | | |
|-----------------------------|--------|------|---------|-------|
| 1605W120.T2S.3070.04 | 68 LED | 120W | 16500lm | 3000K |
| 1605W120.T2S.4070.04 | 68 LED | 120W | 17400lm | 4000K |
| 1605W120.T2S.5070.04 | 68 LED | 120W | 18300lm | 5000K |
| 1605W120.T2S.5770.04 | 68 LED | 120W | 19250lm | 5700K |

| | | | | |
|-----------------------------|--------|------|---------|-------|
| 1605W120.T3S.3070.04 | 68 LED | 120W | 16500lm | 3000K |
| 1605W120.T3S.4070.04 | 68 LED | 120W | 17400lm | 4000K |
| 1605W120.T3S.5070.04 | 68 LED | 120W | 18300lm | 5000K |
| 1605W120.T3S.5770.04 | 68 LED | 120W | 19250lm | 5700K |

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

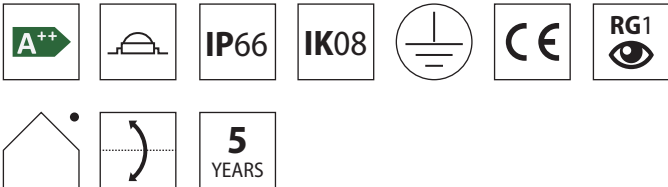
STANDARD ACCESSORIES

| | |
|-------------|---|
| +A50 | Adapter for pole Ø40 ... Ø50mm, depth 90mm |
| +A60 | Adapter for pole Ø55 ... Ø65mm, depth 100mm |
| +A70 | Adapter for pole Ø66 ... Ø76mm, depth 100mm |

OPTIONAL ACCESSORIES

| | |
|---------------|-------------------------------|
| +03002 | On/off |
| +03010 | DALI dimmable |
| +00250 | Photocell |
| +00260 | Shorting cap |
| +00313 | NEMA 3-PIN [non-dimmable] |
| +00315 | NEMA 5-PIN [1-10V dimmable] |
| +00317 | NEMA 7-PIN [DALI dimmable] |

FEATURES



CONTROL



COLOURS



* Example of complete code: **1605W120.T1S.3070.04+A50+03002**

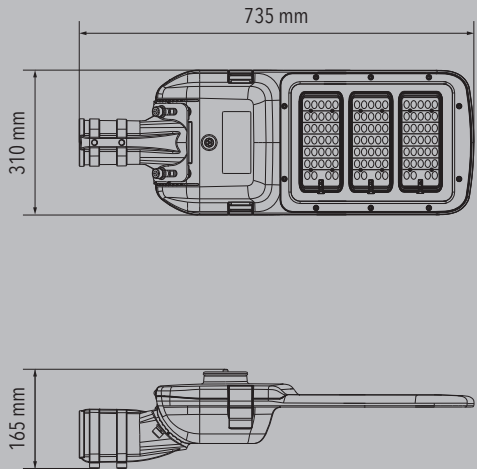




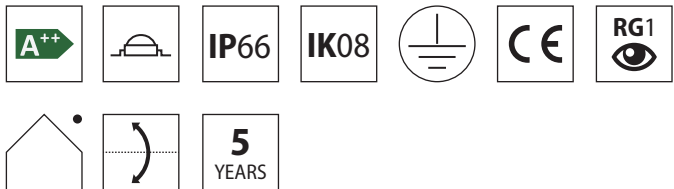
POLESTAR M3



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



FEATURES



CONTROL



TECHNICAL SPECIFICATIONS

| LUMINAIRE BODY | |
|------------------------|---|
| Material | Die-cast aluminum |
| Finsihing process | Powder coated |
| Standard colour | Grey |
| Mounting type | Side-entry / post-top |
| Adjustability | 90° [in 5° step] |
| Net weight | Approx. 7.1 kg |
| Protection class | IP66 |
| Cover | Tempered glass |
| Impact resistance | IK08 |
| PHOTOMETRICAL DATA | |
| Light source type | 3x LED modules with 5050 LED |
| Optic material | Polycarbonate lens |
| Optic type | Asymmetrical |
| Light distributions | Type I short |
| | Type II short |
| | Type III short |
| | 150°x100° |
| CCT | 3000K / 4000K / 5000K / 5700K |
| Luminous efficacy | 150 lm/W |
| SDCM | ≤5 |
| CRI | ≥70 |
| Photobiological risk | RG1 |
| ELECTRICAL DATA | |
| Power supply | Built-in LED driver |
| Protection class IEC | Safety class I |
| Input voltage | 100-240VAC 50/60 Hz |
| Wattage | 180W |
| Power factor | >0.95 |
| Surge protection | 10 kV line-earth |
| Standard control | 1-10V |
| INSTALLATION | |
| Environment | Outdoor |
| Application areas | Traffic routes and main access roads, city centersand main streets, urban and residential areas, public areas |
| Operating temperature | -40°C ... +50 °C |
| Operating humidity | 10% ... 90% |
| Type of connection | Cable [3-pole] |
| CAPABILITIES | |
| Lifespan | 50,000 hours |
| LED module replaceable | No |
| Optional control | DALI, ON/OFF, Photocell |

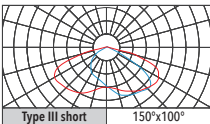
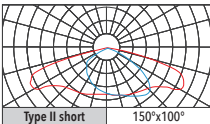
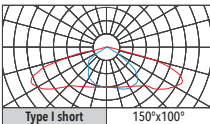
COLOURS



PRODUCT CODES



| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W180.T1S.3070.04 | 102 LED | 180W | 24800lm | 3000K |
| 1605W180.T1S.4070.04 | 102 LED | 180W | 26100lm | 4000K |
| 1605W180.T1S.5070.04 | 102 LED | 180W | 27500lm | 5000K |
| 1605W180.T1S.5770.04 | 102 LED | 180W | 28900lm | 5700K |



| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W180.T2S.3070.04 | 102 LED | 180W | 24800lm | 3000K |
| 1605W180.T2S.4070.04 | 102 LED | 180W | 26100lm | 4000K |
| 1605W180.T2S.5070.04 | 102 LED | 180W | 27500lm | 5000K |
| 1605W180.T2S.5770.04 | 102 LED | 180W | 28900lm | 5700K |

| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W180.T3S.3070.04 | 102 LED | 180W | 24800lm | 3000K |
| 1605W180.T3S.4070.04 | 102 LED | 180W | 26100lm | 4000K |
| 1605W180.T3S.5070.04 | 102 LED | 180W | 27500lm | 5000K |
| 1605W180.T3S.5770.04 | 102 LED | 180W | 28900lm | 5700K |

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

STANDARD ACCESSORIES



| | |
|------|---|
| +A50 | Adapter for pole Ø40 ... Ø50mm, depth 90mm |
| +A60 | Adapter for pole Ø55 ... Ø65mm, depth 100mm |
| +A70 | Adapter for pole Ø66 ... Ø76mm, depth 100mm |

OPTIONAL ACCESSORIES

| | |
|--------|-------------------------------|
| +03002 | On/off |
| +03010 | DALI dimmable |
| +00250 | Photocell |
| +00260 | Shorting cap |
| +00313 | NEMA 3-PIN [non-dimmable] |
| +00315 | NEMA 5-PIN [1-10V dimmable] |
| +00317 | NEMA 7-PIN [DALI dimmable] |

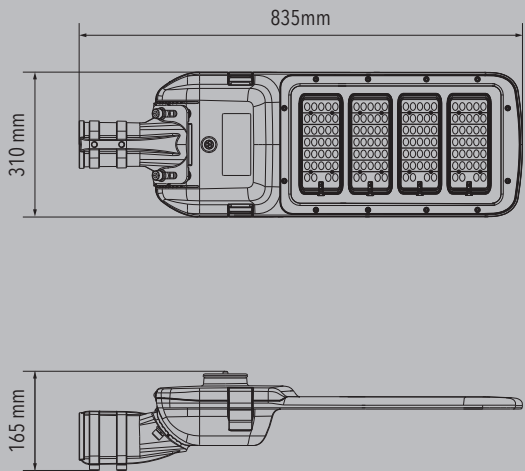
* Example of complete code: 1605W180.T1S.3070.04+A50+03002



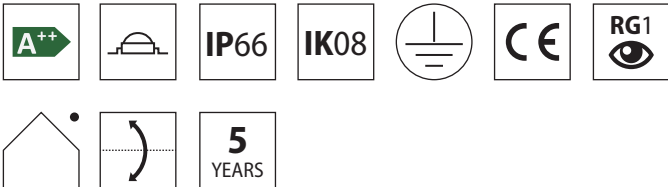
POLESTAR M4



LED LUMINAIRE FOR
ROADWAY & PUBLIC AREA LIGHTING



FEATURES



CONTROL



TECHNICAL SPECIFICATIONS

| LUMINAIRE BODY | |
|------------------------|---|
| Material | Die-cast aluminum |
| Finsihing process | Powder coated |
| Standard colour | Grey |
| Mounting type | Side-entry / post-top |
| Adjustability | 90° [in 5° step] |
| Net weight | Approx. 8.2 kg |
| Protection class | IP66 |
| Cover | Tempered glass |
| Impact resistance | IK08 |
| PHOTOMETRICAL DATA | |
| Light source type | 4x LED modules with 5050 LED |
| Optic material | Polycarbonate lens |
| Optic type | Asymmetrical |
| Light distributions | Type I short |
| | Type II short |
| | Type III short |
| | 150°x100° |
| CCT | 3000K / 4000K / 5000K / 5700K |
| Luminous efficacy | 150 lm/W |
| SDCM | ≤5 |
| CRI | ≥70 |
| Photobiological risk | RG1 |
| ELECTRICAL DATA | |
| Power supply | Built-in LED driver |
| Protection class IEC | Safety class I |
| Input voltage | 100-240VAC 50/60 Hz |
| Wattage | 240W |
| Power factor | >0.95 |
| Surge protection | 10 kV line-earth |
| Standard control | 1-10V |
| INSTALLATION | |
| Environment | Outdoor |
| Application areas | Traffic routes and main access roads, city centersand main streets, urban and residential areas, public areas |
| Operating temperature | -40°C ... +50 °C |
| Operating humidity | 10% ... 90% |
| Type of connection | Cable [3-pole] |
| CAPABILITIES | |
| Lifespan | 50,000 hours |
| LED module replaceable | No |
| Optional control | DALI, ON/OFF, Photocell |

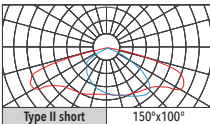
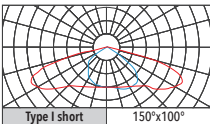
COLOURS



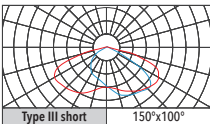
PRODUCT CODES



| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W240.T1S.3070.04 | 136 LED | 240W | 33100lm | 3000K |
| 1605W240.T1S.4070.04 | 136 LED | 240W | 34800lm | 4000K |
| 1605W240.T1S.5070.04 | 136 LED | 240W | 36700lm | 5000K |
| 1605W240.T1S.5770.04 | 136 LED | 240W | 38500lm | 5700K |



| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W240.T2S.3070.04 | 136 LED | 240W | 33100lm | 3000K |
| 1605W240.T2S.4070.04 | 136 LED | 240W | 34800lm | 4000K |
| 1605W240.T2S.5070.04 | 136 LED | 240W | 36700lm | 5000K |
| 1605W240.T2S.5770.04 | 136 LED | 240W | 38500lm | 5700K |



| | | | | |
|----------------------|---------|------|---------|-------|
| 1605W240.T3S.3070.04 | 136 LED | 240W | 33100lm | 3000K |
| 1605W240.T3S.4070.04 | 136 LED | 240W | 34800lm | 4000K |
| 1605W240.T3S.5070.04 | 136 LED | 240W | 36700lm | 5000K |
| 1605W240.T3S.5770.04 | 136 LED | 240W | 38500lm | 5700K |

*The luminaires are supplied with CRI 70 standard, CRI 80 and CRI 90 optional

Safety class I standard, class II optional

Body colour grey (04) standard, black (03) and RAL optional

STANDARD ACCESSORIES



| | |
|------|---|
| +A50 | Adapter for pole Ø40 ... Ø50mm, depth 90mm |
| +A60 | Adapter for pole Ø55 ... Ø65mm, depth 100mm |
| +A70 | Adapter for pole Ø66 ... Ø76mm, depth 100mm |

OPTIONAL ACCESSORIES

| | |
|--------|-------------------------------|
| +03002 | On/off |
| +03010 | DALI dimmable |
| +00250 | Photocell |
| +00260 | Shorting cap |
| +00313 | NEMA 3-PIN [non-dimmable] |
| +00315 | NEMA 5-PIN [1-10V dimmable] |
| +00317 | NEMA 7-PIN [DALI dimmable] |

* Example of complete code: 1605W240.T1S.3070.04+A50+03002



← สถานีรถไฟ
RAILWAY STATION