

# ASTRA LED ALU 12200LM 830 AR2 IP66 II CL. WIRE 0,7M WTYK/GN SP10KV (103W)

DETAILED CARD



## TECHNICAL PARAMETERS

|   |        |
|---|--------|
| <b>Index:</b>                             | 580604 |
| <b>Ingress protection:</b>                | IP66   |
| <b>Impact resistance:</b>                 | IK08   |
| <b>Rated power of the luminaire [W]*:</b> | 103    |
| <b>Luminous flux [lm]*:</b>               | 12200  |
| <b>Colour temperature [K]:</b>            | 3000   |
| <b>Colour rendering index:</b>            | > 80   |
| <b>Electrical protection class:</b>       | II     |
| <b>Optics:</b>                            | AR2    |
| <b>Colour of the body:</b>                | grey   |

## CHARACTERISTICS

LED road luminaire with high luminous efficacy (up to 151 lm/W) and energy-efficient integrated LED module. Self-cleaning body and handle made of powder-coated aluminium. The luminaire uses directional lens matrices (made of polycarbonate PC). The luminaire is characterised by a high degree of protection IP66 and mechanical impact resistance IK08 (vandal resistant). The integrated bracket, adjustable in increments of 5 degrees, allows adjustment from: -5° to +15° (top, on pole); -15° to +5° (side, on boom). Constructed as standard with 0.7m of H07RN-F cable with IP66 quick-connector. Additional options: painting in any RAL colour; RCR sensor controlled by remote control. Certifications: CE, RoHS, ENEC.

## APPLICATION

Road luminaire for use in open areas, for lighting: streets, local roads, cycle paths, alleys, pavements, car parks and squares.

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## TECHNICAL PARAMETERS TABLE

|                                   |                         |                             |                                    |
|-----------------------------------|-------------------------|-----------------------------|------------------------------------|
| Index:                            | 580604                  | Colour of the body:         | grey                               |
| EAN:                              | 5905963580604           | Dimensions (H/W/T/S) [mm]:  | 640/233/113                        |
| ETIM class:                       | EC000062                | Mounting dimensions [mm]:   | ø60                                |
| Category type:                    | street lighting         | Impact resistance:          | IK08                               |
| Light source:                     | LED module              | Ingress protection:         | IP66                               |
| Rated power of the luminaire [W]: | 103                     | Mounting version:           | Top, on pole / Side, on boom       |
| Supply voltage [V]:               | 220 - 240               | Beam angle adjustment [°]:  | -5 to +15 (peak); -15 to +5 (side) |
| Frequency [Hz]:                   | 50 - 60                 | Lateral surface (SCx) [m2]: | 0.018                              |
| Luminous flux [lm]:               | 12200                   | Working temperature [°C]:   | from -20 to +35                    |
| Luminous efficacy [lm/W]:         | 118                     | LED lifespan L90B10 [h]:    | 35000                              |
| Energy efficiency class:          | D                       | Wire type:                  | H07RN-F                            |
| Electrical protection class:      | II                      | ULOR:                       | 0%                                 |
| Colour temperature [K]:           | 3000                    | LED lifespan L70B50 [h]:    | 112000                             |
| Colour rendering index:           | > 80                    | LED lifespan L80B20 [h]:    | 71000                              |
| SDCM:                             | ≤ 5                     | Control:                    | ON/OFF                             |
| Power factor:                     | 0.98                    | Cable length [m]:           | 0.70                               |
| Surge protection [kV]:            | 10                      | Net weight [kg]:            | 2.950                              |
| Diffuser type:                    | matrix led              | Warranty [years]:           | 5                                  |
| Optics material:                  | PC                      | CE certificate:             | <a href="#">467/2023</a>           |
| Optics:                           | AR2                     | ENEC Certificate:           | <a href="#">0324/ENEC/23</a>       |
| Material of the body:             | powder coated aluminium | Manual:                     | <a href="#">Download PDF</a>       |

## LIGHT CURVES



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## ACCESSORIES AVAILABLE

| index   | Name                     |
|---------|--------------------------|
| 314049  | wall holder (galvanized) |
| 314056  | wall holder (grey)       |
| UL00229 | mounting grip 78 mm      |



wall holder (galvanized) (314049)



wall holder (grey) (314056)



mounting grip 78 mm (UL00229)

Card creation date: 12 September 2023

The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer. \* Parameter tolerance is +/- 10%



This product is a subject to electric and electronic waste equipment regulations (WEEE).



Certificate CE - Nr: 467/2023