

# ASTRA LED S

GENERAL CARD



## TECHNICAL PARAMETERS

<b>Ingress protection:</b>	IP66
<b>Rated power of the luminaire [W]*:</b>	12.00 - 34.00
<b>Luminous flux [lm]*:</b>	1700 - 5300
<b>Colour temperature [K]:</b>	3000; 4000; 5700
<b>Colour rendering index:</b>	>80
<b>Electrical protection class:</b>	I; II
<b>Optics:</b>	AR2; AR5
<b>Colour of the body:</b>	grey
<b>Luminous efficacy [lm/W]:</b>	128.00 - 164.00
<b>Energy efficiency class:</b>	B; C; D
<b>Material of the body:</b>	PP+15% GF; PP+GF
<b>Diffuser type:</b>	clear; matrix led
<b>Diffuser material:</b>	PC
<b>Optics material:</b>	PC
<b>SDCM:</b>	≤ 4
<b>Impact resistance:</b>	IK08

## CHARACTERISTICS

LED road luminaire with high luminous efficiency and energy-saving integrated LED module. Self-cleaning body made of polypropylene (PP) with fibreglass (FG), handle made of aluminium. The luminaire uses directional lens matrices (made of polycarbonate PC). The luminaire is characterised by a high IP66 ingress protection rating and mechanical impact resistance. The integrated bracket, which is adjustable in increments of 5 degrees, allows adjustment from: -5° to +15° (top, on pole); -5° to +15° (side, on boom). Supplied with 0.7m of H07RN-F cable as standard.

## APPLICATION

Road luminaire suitable for illumination of: streets and municipal, local, internal and neighbourhood roads, cycle paths, alleys, pavements, car parks, squares, private properties and all open spaces.

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## AVAILABLE VERSIONS



Click index >>, to see details

### ASTRA LED S

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
13	1700	131	D	3000	>80	I	AR2		<a href="#">&gt;&gt; 433696</a>
13	1700	131	D	3000	>80	II	AR2		<a href="#">&gt;&gt; 433733</a>
13	1800	138	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 433504</a>
13	1800	138	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 433542</a>
21	2750	133	D	3000	>80	I	AR2		<a href="#">&gt;&gt; 433702</a>
21	2750	133	D	3000	>80	II	AR2		<a href="#">&gt;&gt; 433740</a>
21	2900	140	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 433511</a>
21	2900	140	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 433559</a>
24	3200	131	D	3000	>80	I	AR2		<a href="#">&gt;&gt; 433719</a>
24	3350	138	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 433528</a>
25	3200	131	D	3000	>80	II	AR2		<a href="#">&gt;&gt; 433757</a>
25	3350	138	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 433566</a>
31	4050	128	D	3000	>80	I	AR2		<a href="#">&gt;&gt; 433726</a>
31	4050	128	D	3000	>80	II	AR2		<a href="#">&gt;&gt; 433764</a>
31	4250	135	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 433535</a>
31	4250	135	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 433573</a>

### ASTRA LED S PRO

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
12	1850	154	C	3000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436673</a>
12	1850	154	C	3000	>80	I	AR2		<a href="#">&gt;&gt; 436161</a>
12	1850	154	C	3000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436710</a>
12	1850	154	C	3000	>80	II	AR2		<a href="#">&gt;&gt; 436208</a>
12	1850	154	C	3000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436758</a>
12	1850	154	C	3000	>80	I	AR5		<a href="#">&gt;&gt; 436246</a>
12	1850	154	C	3000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436796</a>
12	1850	154	C	3000	>80	II	AR5		<a href="#">&gt;&gt; 436284</a>
12	1970	164	B	4000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436512</a>
12	1970	164	B	4000	>80	I	AR2		<a href="#">&gt;&gt; 436000</a>
12	1970	164	B	4000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436550</a>
12	1970	164	B	4000	>80	II	AR2		<a href="#">&gt;&gt; 436048</a>
12	1970	164	B	4000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436598</a>
12	1970	164	B	4000	>80	I	AR5		<a href="#">&gt;&gt; 436086</a>

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## GENERAL CARD

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
12	1970	164	B	4000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436635</a>
12	1970	164	B	4000	>80	II	AR5		<a href="#">&gt;&gt; 436123</a>
12	1970	164	B	5700	>80	I	AR2	yes	<a href="#">&gt;&gt; 436833</a>
12	1970	164	B	5700	>80	I	AR2		<a href="#">&gt;&gt; 436321</a>
12	1970	164	B	5700	>80	II	AR2	yes	<a href="#">&gt;&gt; 436871</a>
12	1970	164	B	5700	>80	II	AR2		<a href="#">&gt;&gt; 436369</a>
12	1970	164	B	5700	>80	I	AR5	yes	<a href="#">&gt;&gt; 436918</a>
12	1970	164	B	5700	>80	I	AR5		<a href="#">&gt;&gt; 436406</a>
12	1970	164	B	5700	>80	II	AR5	yes	<a href="#">&gt;&gt; 436956</a>
12	1970	164	B	5700	>80	II	AR5		<a href="#">&gt;&gt; 436444</a>
20	3000	150	C	3000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436680</a>
20	3000	150	C	3000	>80	I	AR2		<a href="#">&gt;&gt; 436178</a>
20	3000	150	C	3000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436727</a>
20	3000	150	C	3000	>80	II	AR2		<a href="#">&gt;&gt; 436215</a>
20	3000	150	C	3000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436765</a>
20	3000	150	C	3000	>80	I	AR5		<a href="#">&gt;&gt; 436253</a>
20	3000	150	C	3000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436802</a>
20	3000	150	C	3000	>80	II	AR5		<a href="#">&gt;&gt; 436291</a>
20	3200	160	B	4000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436529</a>
20	3200	160	B	4000	>80	I	AR2		<a href="#">&gt;&gt; 436017</a>
20	3200	160	B	4000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436567</a>
20	3200	160	B	4000	>80	II	AR2		<a href="#">&gt;&gt; 436055</a>
20	3200	160	B	4000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436604</a>
20	3200	160	B	4000	>80	I	AR5		<a href="#">&gt;&gt; 436093</a>
20	3200	160	B	4000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436642</a>
20	3200	160	B	4000	>80	II	AR5		<a href="#">&gt;&gt; 436130</a>
20	3200	160	B	5700	>80	I	AR2	yes	<a href="#">&gt;&gt; 436840</a>
20	3200	160	B	5700	>80	I	AR2		<a href="#">&gt;&gt; 436338</a>
20	3200	160	B	5700	>80	II	AR2	yes	<a href="#">&gt;&gt; 436888</a>
20	3200	160	B	5700	>80	II	AR2		<a href="#">&gt;&gt; 436376</a>
20	3200	160	B	5700	>80	I	AR5	yes	<a href="#">&gt;&gt; 436925</a>
20	3200	160	B	5700	>80	I	AR5		<a href="#">&gt;&gt; 436413</a>
20	3200	160	B	5700	>80	II	AR5	yes	<a href="#">&gt;&gt; 436963</a>
20	3200	160	B	5700	>80	II	AR5		<a href="#">&gt;&gt; 436451</a>
25	3600	144	C	3000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436697</a>
25	3600	144	C	3000	>80	I	AR2		<a href="#">&gt;&gt; 436185</a>
25	3600	144	C	3000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436734</a>
25	3600	144	C	3000	>80	II	AR2		<a href="#">&gt;&gt; 436222</a>

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Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
25	3600	144	C	3000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436772</a>
25	3600	144	C	3000	>80	I	AR5		<a href="#">&gt;&gt; 436260</a>
25	3600	144	C	3000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436819</a>
25	3600	144	C	3000	>80	II	AR5		<a href="#">&gt;&gt; 436307</a>
25	3870	155	C	4000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436536</a>
25	3870	155	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 436024</a>
25	3870	155	C	4000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436574</a>
25	3870	155	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 436062</a>
25	3870	155	C	4000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436611</a>
25	3870	155	C	4000	>80	I	AR5		<a href="#">&gt;&gt; 436109</a>
25	3870	155	C	4000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436659</a>
25	3870	155	C	4000	>80	II	AR5		<a href="#">&gt;&gt; 436147</a>
25	3870	155	C	5700	>80	I	AR2	yes	<a href="#">&gt;&gt; 436857</a>
25	3870	155	C	5700	>80	I	AR2		<a href="#">&gt;&gt; 436345</a>
25	3870	155	C	5700	>80	II	AR2	yes	<a href="#">&gt;&gt; 436895</a>
25	3870	155	C	5700	>80	II	AR2		<a href="#">&gt;&gt; 436383</a>
25	3870	155	C	5700	>80	I	AR5	yes	<a href="#">&gt;&gt; 436932</a>
25	3870	155	C	5700	>80	I	AR5		<a href="#">&gt;&gt; 436420</a>
25	3870	155	C	5700	>80	II	AR5	yes	<a href="#">&gt;&gt; 436970</a>
25	3870	155	C	5700	>80	II	AR5		<a href="#">&gt;&gt; 436468</a>
34	4950	146	C	3000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436703</a>
34	4950	146	C	3000	>80	I	AR2		<a href="#">&gt;&gt; 436192</a>
34	4950	146	C	3000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436741</a>
34	4950	146	C	3000	>80	II	AR2		<a href="#">&gt;&gt; 436239</a>
34	4950	146	C	3000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436789</a>
34	4950	146	C	3000	>80	I	AR5		<a href="#">&gt;&gt; 436277</a>
34	4950	146	C	3000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436826</a>
34	4950	146	C	3000	>80	II	AR5		<a href="#">&gt;&gt; 436314</a>
34	5300	156	C	4000	>80	I	AR2	yes	<a href="#">&gt;&gt; 436543</a>
34	5300	156	C	4000	>80	I	AR2		<a href="#">&gt;&gt; 436031</a>
34	5300	156	C	4000	>80	II	AR2	yes	<a href="#">&gt;&gt; 436581</a>
34	5300	156	C	4000	>80	II	AR2		<a href="#">&gt;&gt; 436079</a>
34	5300	156	C	4000	>80	I	AR5	yes	<a href="#">&gt;&gt; 436628</a>
34	5300	156	C	4000	>80	I	AR5		<a href="#">&gt;&gt; 436116</a>
34	5300	156	C	4000	>80	II	AR5	yes	<a href="#">&gt;&gt; 436666</a>
34	5300	156	C	4000	>80	II	AR5		<a href="#">&gt;&gt; 436154</a>
34	5300	156	C	5700	>80	I	AR2	yes	<a href="#">&gt;&gt; 436864</a>
34	5300	156	C	5700	>80	I	AR2		<a href="#">&gt;&gt; 436352</a>

# ASTRA LED S

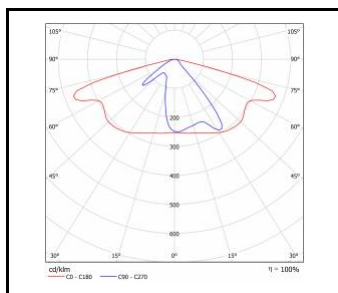
## GENERAL CARD

Rated power of the luminaire [W]*	Luminous flux [lm]*	Luminous efficacy [lm/W]	Energy efficiency class	Colour temperature [K]	Colour rendering index	Electrical protection class	Optics	DIMM DALI	Index
34	5300	156	C	5700	>80	II	AR2	yes	<a href="#">&gt;&gt; 436901</a>
34	5300	156	C	5700	>80	II	AR2		<a href="#">&gt;&gt; 436390</a>
34	5300	156	C	5700	>80	I	AR5	yes	<a href="#">&gt;&gt; 436949</a>
34	5300	156	C	5700	>80	I	AR5		<a href="#">&gt;&gt; 436437</a>
34	5300	156	C	5700	>80	II	AR5	yes	<a href="#">&gt;&gt; 436987</a>
34	5300	156	C	5700	>80	II	AR5		<a href="#">&gt;&gt; 436475</a>

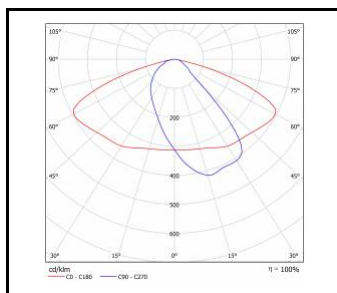
# ASTRA LED S

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## LUMINOUS INTENSITY DISTRIB. CURVE



AR2



AR5

Card creation date: 13 November 2024

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: 16/2024; 42/2024