

Ampera

LED



Ampera Midi

Ampera product family set a new level of LED road- and street lighting when speaking about efficient and versatile product range and pay back time. Long lifetime and little need of maintenance enables to minimize operational costs and the total investment.

BaseDim

Ensto BaseDim -solution makes energy saving easy without compromising safety or area lighting. BaseDim drops light output 50% during 8 hours in dark time. It's automatic and simple, but gives you benefits in energy saving.

SmartDim

Ensto SmartDim is a programmable dimming solution which gives you optimized energy saving and light output when and where it's needed. You can choose maximum of 5-steps and levels during the dark hours.

Owlet

Owlet is a tailor made solution for IoT in outdoor lighting. Ensto Luminaires with Owlet are connected to cloud based UI which gives you remote access to monitor and control your outdoor fleet of luminaires.

DALI

DALI drivers enable luminaires to be connected to DALI based control systems and Smart Buildings. Compared to a fixed output installation, the dimming and individual control capability provided by DALI enables considerable energy savings and control, depending on luminaire specifications.



"Ampera is the new modern standard for street lighting."



Ampera Mini



Ampera Midi



Ampera Maxi

Structure

- › Body high-pressure, die-cast aluminium, polyester powder coated
- › Tool free access to body with driver compartment and optical unit by releasing the lateral latches and pivoting downwards
- › Equipped with knife switch
- › Extra-clear hardened glass
- › Lens optics
- › Colour: Akzo 900 grey

Technical information

- › Several alternative optics from narrow road to motorway and large areas
- › Connected power: 20-279W
- › Luminous flux: 2100-29300 lm
- › Colour rendering index CRI>70
- › Scattered light output 0 %
- › Power factor > 0,9
- › Ambient temperature -40 °C + 55 °C
- › Lifetime of LED-module 100 000h T_a=25 °C: 350mA & 500mA (L90B10); 700mA (L80B10); 1000mA (L70B10)
- › Overvoltage protection 10kV
- › DALI + CLO

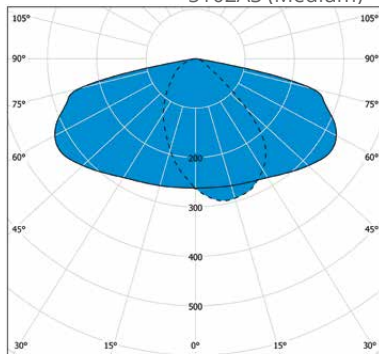
Mounting

- › Reversible fitting ø 48 - 60 mm
- › Tightened with 2 stainless steel screws
- › Can be tilted by 5° steps on a vertical pole from 0 to +15°; on a horizontal spigot from 0 to -15°
- › Tool free access for maintenance

Made to order

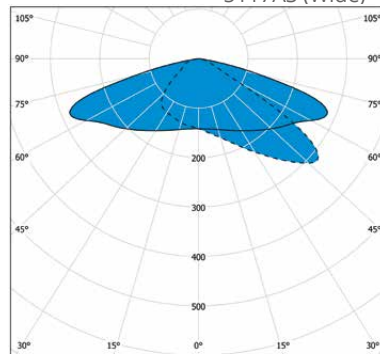
- › In Schröder selection you will find if needed more power-, optics- and control options

5102AS (Medium)



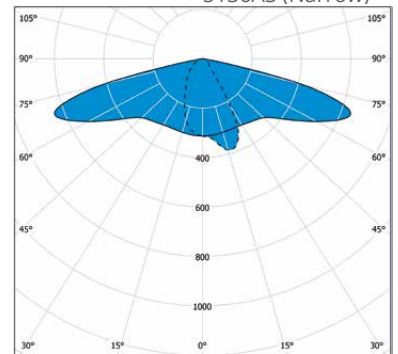
cd/klm — C0 - C180 — C90 - C270 **100%**

5117AS (Wide)



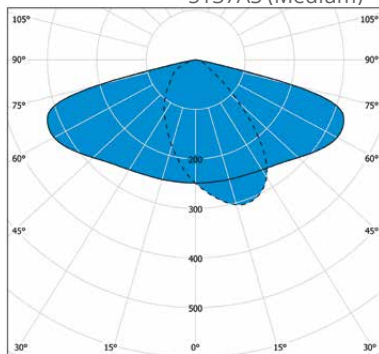
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5136AS (Narrow)



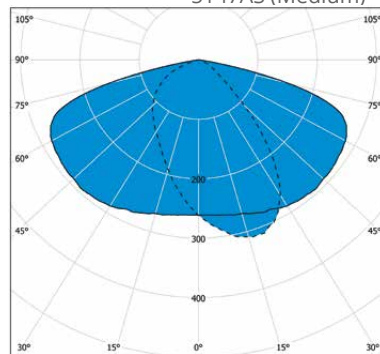
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5137AS (Medium)



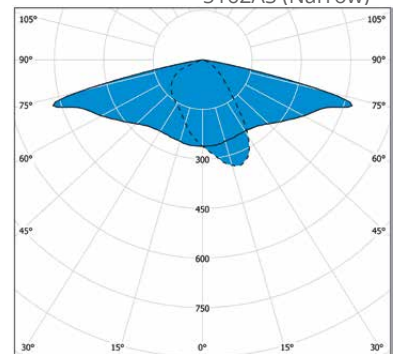
cd/klm — C0 - C180 — C90 - C270 **100%**

5147AS (Medium)



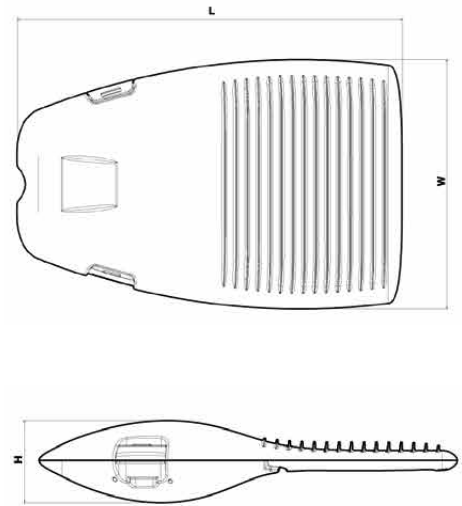
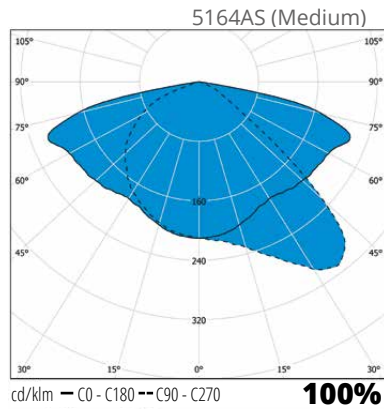
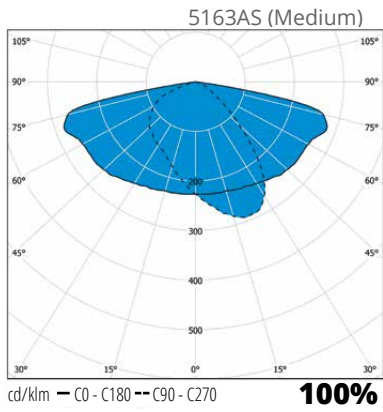
cd/klm — C0 - C180 — C90 - C270 **100%**

5162AS (Narrow)



cd/klm — C0 - C180 — C90 - C270 **100%**





E Number	Type	Product name	Base	Kg	Length	Width	Height	Windage	Luminous flux
Ampera Mini									
45 343 93	AMPERM-002587	AMPERM 16LED 20W 4000K 5102	LED	8,0	583	340	90	0,087 m ²	2100 lm
45 343 94	AMPERM-005777	AMPERM 16LED 20W 4000K 5117	LED	8,0	583	340	90	0,087 m ²	2100 lm
45 343 95	AMPERM-005778	AMPERM 16LED 20W 4000K 5136	LED	8,0	583	340	90	0,087 m ²	2100 lm
45 344 93	AMPERM-006512	AMPERM 16LED 20W 4000K 5137	LED	8,0	583	340	90	0,087 m ²	2100 lm
45 343 96	AMPERM-005779	AMPERM 24LED 38W 4000K 5102	LED	8,0	583	340	90	0,087 m ²	4300 lm
45 343 97	AMPERM-005780	AMPERM 24LED 38W 4000K 5117	LED	8,0	583	340	90	0,087 m ²	4300 lm
45 343 98	AMPERM-002973	AMPERM 24LED 38W 4000K 5136	LED	8,0	583	340	90	0,087 m ²	4300 lm
45 344 94	AMPERM-007184	AMPERM 24LED 38W 4000K 5137	LED	8,0	583	340	90	0,087 m ²	4300 lm
45 344 95	AMPERM-007185	AMPERM 24LED 53W 4000K 5147	LED	8,0	583	340	90	0,087 m ²	6600 lm
45 344 96	AMPERM-007186	AMPERM 24LED 53W 4000K 5162	LED	8,0	583	340	90	0,087 m ²	6600 lm
45 344 97	AMPERM-007187	AMPERM 24LED 53W 4000K 5163	LED	8,0	583	340	90	0,087 m ²	6600 lm
45 344 98	AMPERM-007206	AMPERM 24LED 53W 4000K 5164	LED	8,0	583	340	90	0,087 m ²	6600 lm
45 344 99	AMPERM-007188	AMPERM 24LED 76W 4000K 5147	LED	8,0	583	340	90	0,087 m ²	8800 lm
45 345 00	AMPERM-007189	AMPERM 24LED 76W 4000K 5162	LED	8,0	583	340	90	0,087 m ²	8800 lm
45 345 01	AMPERM-007190	AMPERM 24LED 76W 4000K 5163	LED	8,0	583	340	90	0,087 m ²	8800 lm
45 345 02	AMPERM-006916	AMPERM 24LED 76W 4000K 5164	LED	8,0	583	340	90	0,087 m ²	8800 lm
Ampera Midi									
45 343 99	AMPERD-003645	AMPERD 32LED 51W 4000K 5102	LED	12,0	674	436	132	0,115 m ²	5800 lm
45 344 00	AMPERD-007409	AMPERD 32LED 51W 4000K 5117	LED	12,0	674	436	132	0,115 m ²	5800 lm
45 344 01	AMPERD-002355	AMPERD 32LED 51W 4000K 5136	LED	12,0	674	436	132	0,115 m ²	5800 lm
45 345 03	AMPERD-008274	AMPERD 32LED 51W 4000K 5137	LED	12,0	674	436	132	0,115 m ²	5800 lm
45 344 02	AMPERD-003647	AMPERD 48LED 75W 4000K 5102	LED	12,0	674	436	132	0,115 m ²	8700 lm
45 344 03	AMPERD-007411	AMPERD 48LED 75W 4000K 5117	LED	12,0	674	436	132	0,115 m ²	8700 lm
45 344 04	AMPERD-003947	AMPERD 48LED 75W 4000K 5136	LED	12,0	674	436	132	0,115 m ²	8700 lm
45 345 04	AMPERD-002356	AMPERD 48LED 75W 4000K 5137	LED	12,0	674	436	132	0,115 m ²	8700 lm
45 344 05	AMPERD-007412	AMPERD 64LED 99W 4000K 5102	LED	12,0	674	436	132	0,115 m ²	11600 lm
45 344 06	AMPERD-007413	AMPERD 64LED 99W 4000K 5117	LED	12,0	674	436	132	0,115 m ²	11600 lm
45 344 07	AMPERD-007414	AMPERD 64LED 99W 4000K 5136	LED	12,0	674	436	132	0,115 m ²	11600 lm
45 345 05	AMPERD-013158	AMPERD 64LED 98W 4000K 5137	LED	12,0	674	436	132	0,115 m ²	13100 lm
45 344 08	AMPERD-003649	AMPERD 64LED 139W 4000K 5102	LED	12,0	674	436	132	0,115 m ²	15100 lm
45 344 09	AMPERD-000619	AMPERD 64LED 139W 4000K 5117	LED	12,0	674	436	132	0,115 m ²	15100 lm
45 344 10	AMPERD-007415	AMPERD 64LED 139W 4000K 5136	LED	12,0	674	436	132	0,115 m ²	15100 lm
45 345 06	AMPERD-009011	AMPERD 64LED 139W 4000K 5137	LED	12,0	674	436	132	0,115 m ²	15100 lm

E Number	Type	Product name	Base	Kg	Length	Width	Height	Windage	Luminous flux
Ampera Maxi									
45 344 11	AMPERX-000862	AMPERX 112LED 124W 4000K 5102	LED	18,0	900	438	135	0,176 m ²	14800 lm
45 344 12	AMPERX-001934	AMPERX 112LED 124W 4000K 5117	LED	18,0	900	438	135	0,176 m ²	14800 lm
45 344 13	AMPERX-001935	AMPERX 112LED 124W 4000K 5136	LED	18,0	900	438	135	0,176 m ²	14800 lm
45 345 07	AMPERX-002271	AMPERX 112LED 124W 4000K 5137	LED	18,0	900	438	135	0,176 m ²	14800 lm
45 344 14	AMPERX-001938	AMPERX 128LED 198W 4000K 5102	LED	18,0	900	438	135	0,176 m ²	22900 lm
45 344 15	AMPERX-001937	AMPERX 128LED 198W 4000K 5117	LED	18,0	900	438	135	0,176 m ²	22900 lm
45 344 16	AMPERX-001936	AMPERX 128LED 198W 4000K 5136	LED	18,0	900	438	135	0,176 m ²	22900 lm
45 345 08	AMPERX-002477	AMPERX 128LED 198W 4000K 5137	LED	18,0	900	438	135	0,176 m ²	22900 lm
45 344 17	AMPERX-001939	AMPERX 128LED 279W 4000K 5102	LED	18,0	900	438	135	0,176 m ²	29300 lm
45 344 18	AMPERX-000092	AMPERX 128LED 279W 4000K 5117	LED	18,0	900	438	135	0,176 m ²	29300 lm
45 344 19	AMPERX-000650	AMPERX 128LED 279W 4000K 5136	LED	18,0	900	438	135	0,176 m ²	29300 lm
45 345 09	AMPERX-002478	AMPERX 128LED 279W 4000K 5137	LED	18,0	900	438	135	0,176 m ²	29300 lm

Luminaire's luminous flux and connected power are indicative values and they can vary depending on optics, diffuser and ambient temperature. The values have been given according to the tolerances mentioned in international standards (IEC62717).



Energy efficient luminaire in a durable body with multiple options. Great number of lumen packages and optics.