



F.P.H. Art Metal Sp.j.

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Luminare 23 ANTARES LED specification (78W)

1. The luminaire have the CE and ENEC mark
2. Impact protection IK08
3. Protection from the environment IP66
4. IEC protection class I
5. Surge protection of the luminaire 10kV
6. ZHAGA socket
7. Supply voltage 220-240V 50Hz
8. The wattage of light source as indicated on the label inside the luminary
9. Luminaire power factor $\cos \phi$ - 0,98 for 100% of power, 0,96 for 50% of power
10. Colour temperature 3000K
11. CRI 80
12. Luminary live time L70B10 – 100 000h, 25C
13. Service - a carriage that opens to the bottom without any tools
14. Bracket fastening - thread M20
15. UV stabilized PC diffuser
16. Aluminum body, painted in standard color RAL7021
17. Ambient temperature -30C +35C
18. No QR code on the luminary body.
19. Photobiological safety - no risk
20. Luminaire characteristics that allow you to use the Dialux program available on the manufacturer's website
21. General requirements for the construction and operation of a luminaire:
 1. Designed for street and city lighting according to PN-EN 13201
 2. IEC protection class I, available on order II
 3. Protection from the environment IP66
 4. Equalizing connection to housing EQUI
 5. Dimming range 100-50% Pn
 6. Starter current - 70A $t=435\mu s$ (78W)
 7. Supply voltage 220-240V, 50-60Hz
 9. It has protection against overheating, overload, short circuit, loss of load, in case of overheating, luminaire is dimmed to the minimum.
22. Dali driver version, with 5-step dimming scenario.
23. CLO
24. Weight 17,5kg
25. Wind area =0,18m²
26. Warranty period – 5 years

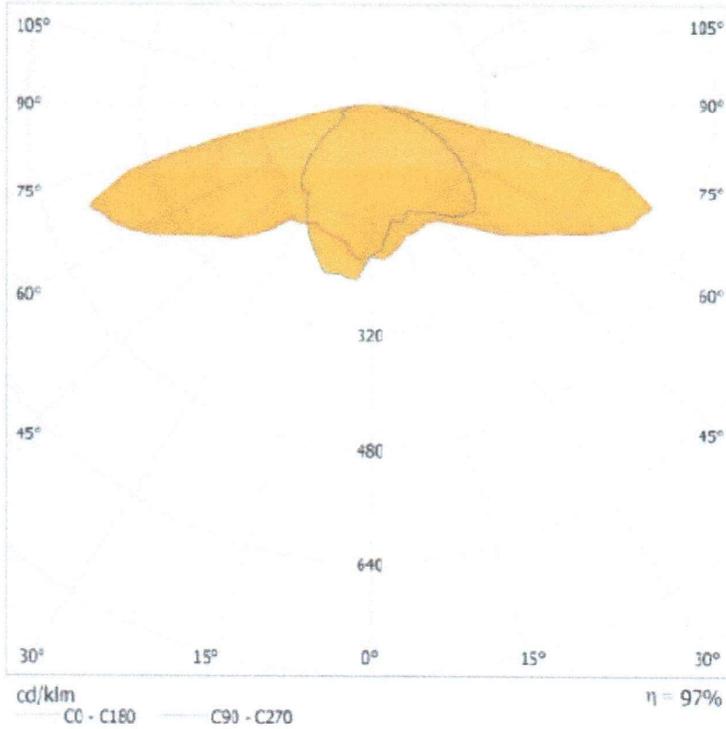


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Luminary options:

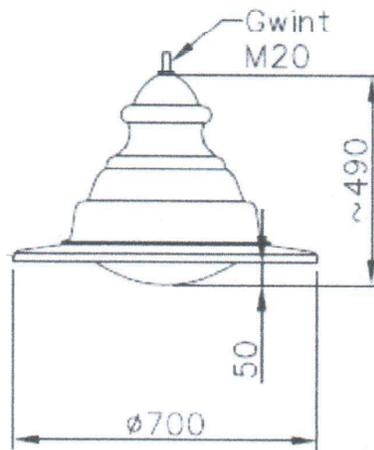
Modul	Temp [K]	Pn [W]	I [mA]	Flux [lm]
CMA2550	3000	78	1880	8091

Luminous flux tolerance manufacturer +/-7%Flux value for ambient temperature Ta=25



Photometry (polar plot)

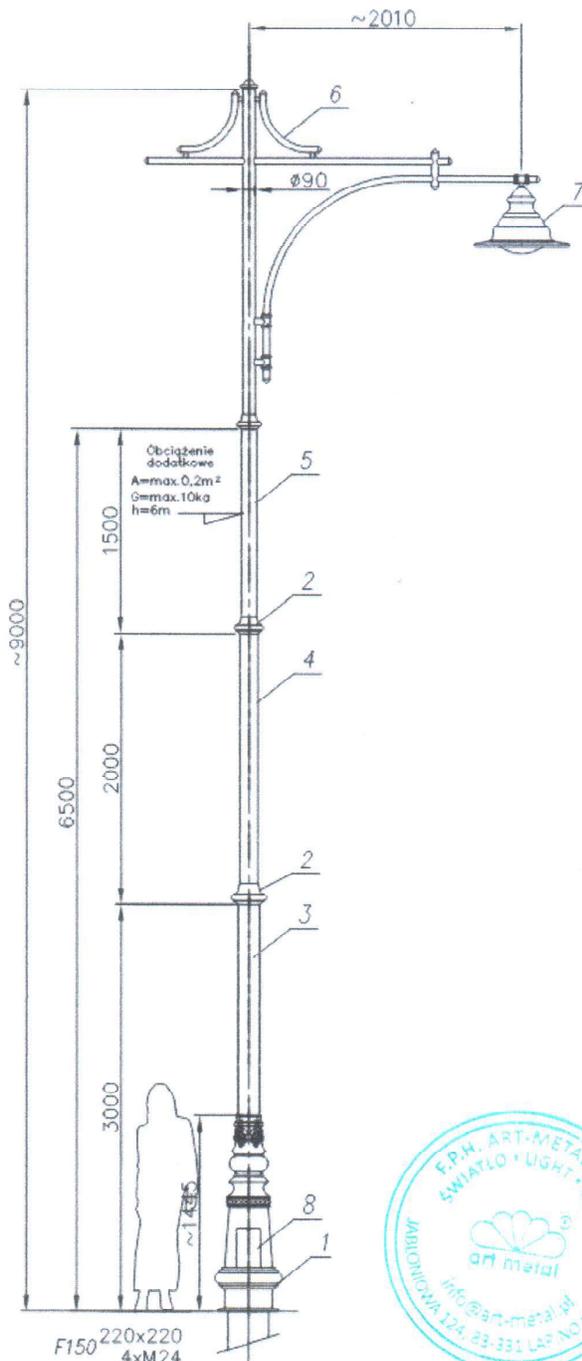
Wersja B



05.05.2024

Decorative pole LT with arm R44 LT/1xR44

1. Base pole LT (alum., cast)
2. Decorations (alum., cast)
3. Steel pipe \varnothing 159 x 5mm (steel)
4. Steel pipe \varnothing 133 x 4mm (steel)
5. Steel pipe \varnothing 89 x 3mm (steel)
6. Arm R44 \varnothing 75 x 5mm (aluminium)
7. Luminary 23 Antares
8. Painted RAL7021
9. Foundation F150 included



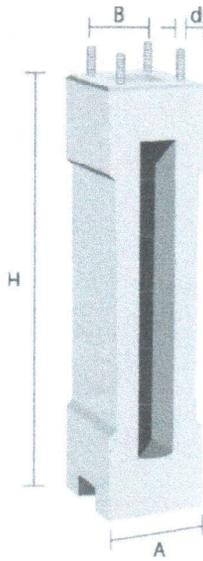
Name	Value
Wind zone	III
Dynamic rate	1.2
Terrain category	I
Load class	B
Partial rate for wind load	1.2
Partial rate for fixed load	1.2
Wind speed	36 [m/s]

According to PN-EN 40-3-1, PN-EN 40-3-3



05.09.2024

Foundation F150



Type	H, mm	A, mm	B, mm	d, mm	Weight, Kg	H (bolt) mm
Fbw	1500	350	220	24	~260	50

Full name	Fbw 150S (1500/350) 4xM24/220 AB K
Concrete	C30/37
Arming	STEEL B500SP
Anchors	STEEL S235



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Luminary 01 VERA LED specification (programmable version)

1. The luminaire have the CE and ENEC mark
2. Impact protection IK10
3. Protection from the environment IP65
4. IEC protection class I
5. Surge protection of the luminaire 10kV
6. ZHAGA socket
7. Supply voltage 220-240V 50Hz
8. The wattage of light source as indicated on the label inside the luminary
9. Luminaire power factor cos ϕ - 0,95 for 100% of power, 0,80 for 50% of power
10. Colour temperature 2700K
11. CRI 80
12. Luminary live time L90B10 -100 000h
13. Service - a carriage that opens to the bottom without any tools or 1 screws for installation or service
14. Bracket fastening - thread M20/on pipe D=60~90mm
15. Painting in standard colour RAL9005 or RAL7021
16. Ambient temperature -30C +35C
17. No QR code on the luminary body.
18. Photobiological safety - no risk
19. Luminaire characteristics that allow you to use the Dialux program available on the manufacturer's website
20. General requirements for the construction and operation of a luminaire:
 1. Designed for street and city lighting according to PN-EN 13201
 2. IEC protection class I, available on order II
 3. Protection from the environment IP65
 4. Equalizing connection to housing EQUI
 5. Dimming range 100-50% Pn
 6. Starter current - 43A $t=260\mu s$
 7. Supply voltage 220-240V, 50Hz
 9. It has protection against overheating, overload, short circuit, loss of load
 10. Luminous flux stabilization (CLO)
21. Driver in DALI version, with 5-step dimming scenario
22. Dimentions : \varnothing 530/460 x 860 mm
23. Weight 12,1kg
24. Wind area 0,21m²
25. Warranty period – 5 years

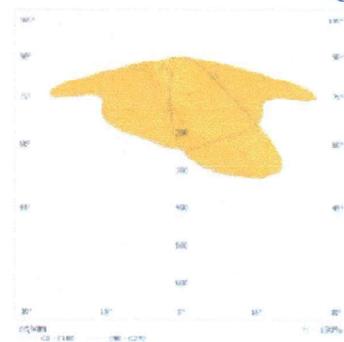
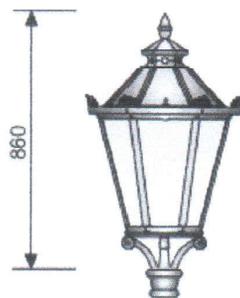
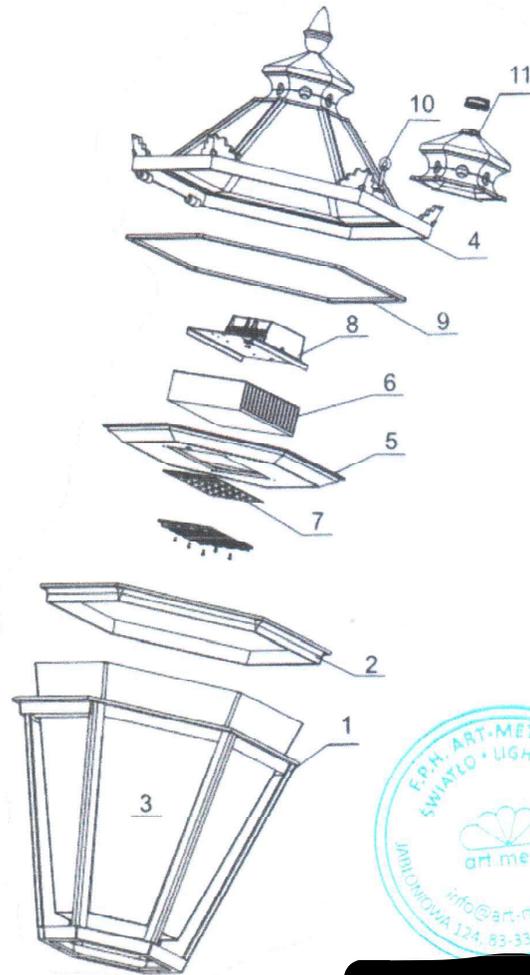


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Luminary options:

LED source	Temp [K]	Pn [W]	I [mA]	Flux [lm]
24-LED G5	2700	32	400	3606

1. Aluminum body, painted RAL7021
2. Mounting frame
3. A shade
4. Cover painted RAL7021
5. Disk
6. LED sources radiator
7. LED sources
8. Power supply
9. Gasket
10. Bolt
11. ZHAGA socket



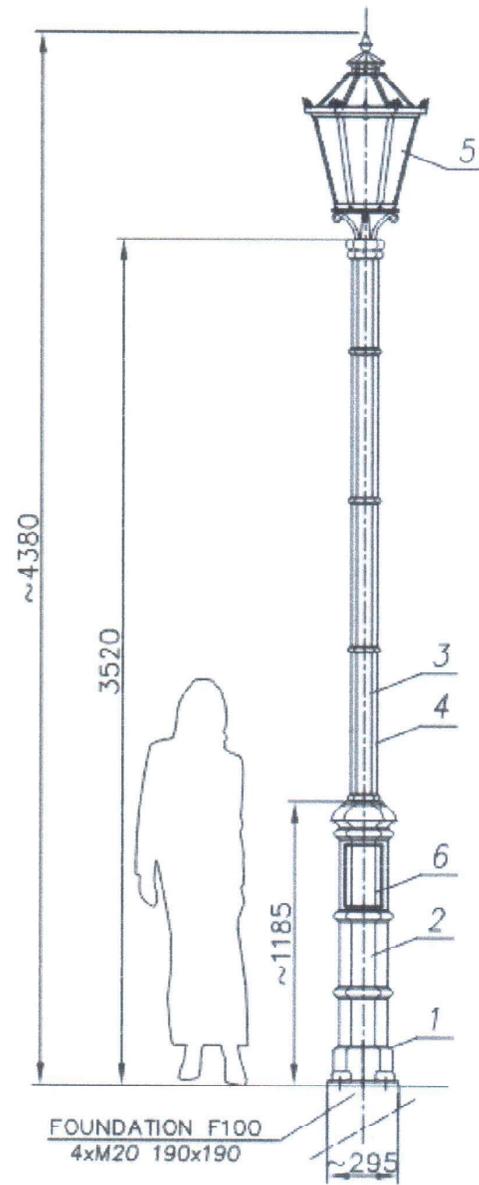
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Decorative pole P1/01

- 1. Base pole P (alum.)
 - 2. Steel pipe \varnothing 133mm (steel s235)
 - 3. Steel pipe \varnothing 60 mm (steel s235)
 - 4. Pole section (aluminium)
 - 5. 01 VERA
 - 6. Doors
- Color RAL7021
 Foundation not included

Name	Value
Wind zone	I
Dynamic rate	1.2
Terrain category	II
Load class	B
Partial rate for wind load	1.2
Partial rate for fixed load	1.2
Wind speed	22 [m/s]

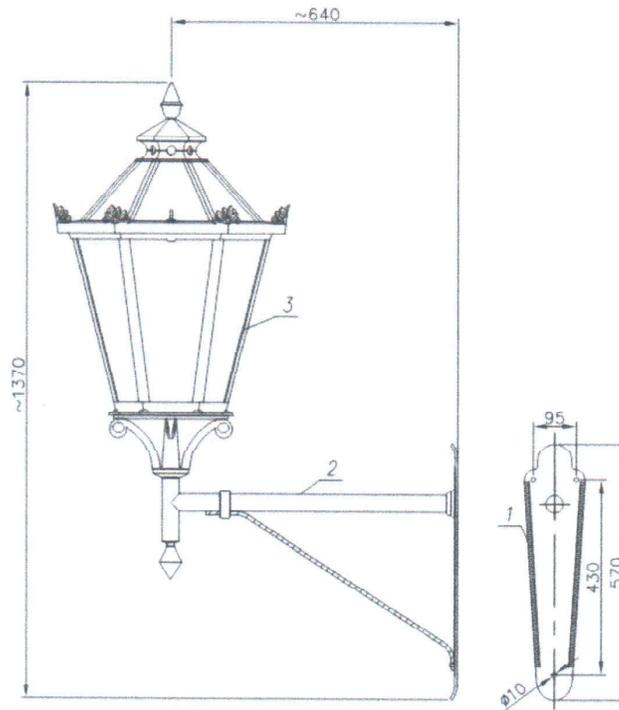


According to PN-EN 40-3-1, PN-EN 40-3-3



05.08.2024

Arm NA68



1. Wall fixing NAP (Steel S235)
2. Arm R50 (Steel S235)
3. Luminary 01 VERA

Color RAL7021



05.09.2024