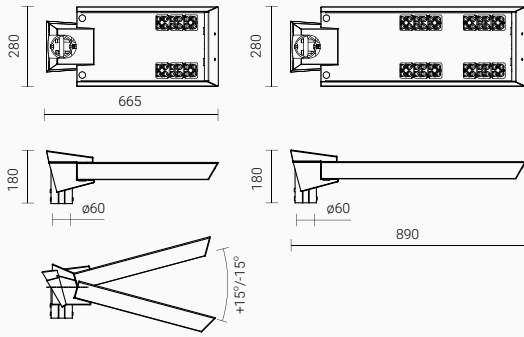
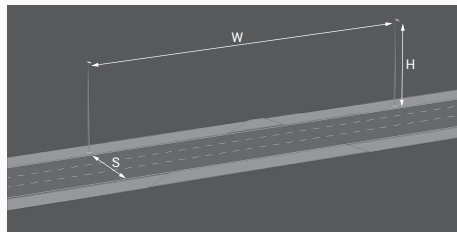


URSA LED ALFA



Lighting example

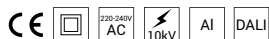
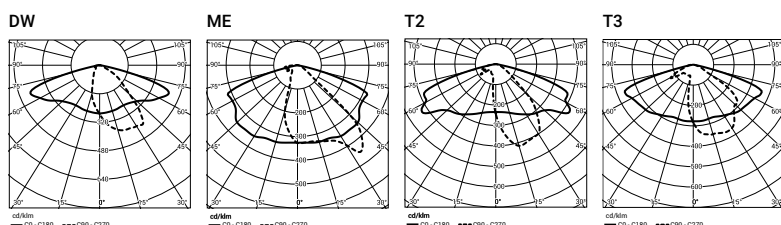
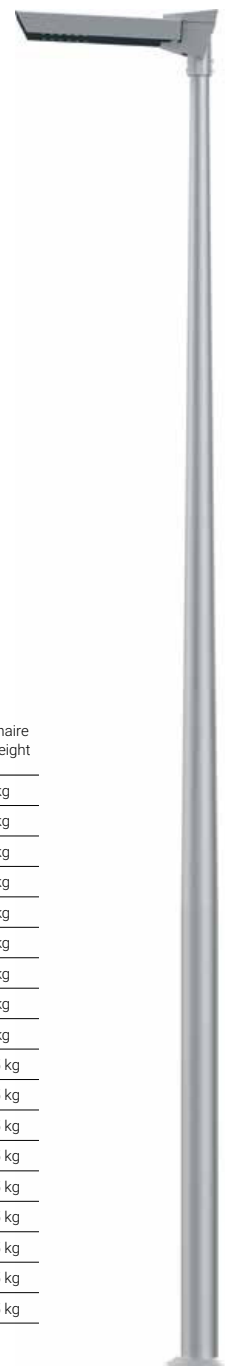


Single carriageway
with three lanes
URSA LED ALFA 120W, DW optics

Parameters:
H – luminaire mounting height: 10 m
W – pole spacing: 39 m
S – road width: 10,5 m

Lighting class M3

Application: urban roads, residential streets, pedestrian walkways, parking lots, motorways and expressways
Installation: pole top mounted with $\varnothing 60 \times 95$ mm ending
Luminaire angular adjustment: in the range from -15° to 15°
Ingress protection: IP 66 for the optical part and the driver
Material: anodised aluminium alloy,
Colour: inox / black
Optical system: PMMA optics, interchangeable LED module
Number of LEDs: 24 (for 48 W, 60 W, 72 W), 48 (for 96 W, 120 W, 144 W)
Operating temperature range: od -40°C do $+55^\circ\text{C}$ (dla 48 W, 60 W, 72 W, 96 W, 120 W), od -40°C do $+40^\circ\text{C}$ (dla 144 W)
Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h
CRI: for 4000 K, 5000 K > 70 , for 3500 K > 80
Unit volume: 0,028 m³ (for 48 W, 60 W, 72 W), 0,037 m³ (for 96 W, 120 W, 144 W)
Input voltage frequency: 50/60 Hz
Power factor: ≥ 0.95
 Luminaire URSA LED ALFA has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10 V).



Code	Name	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Luminaire net weight
2221033/3/...	URSA LED ALFA 48	48 W	55 W	700 mA	3500 K	7000 lm	6550 lm	119 lm/W	8 kg
2221033/4/...	URSA LED ALFA 48	48 W	55 W	700 mA	4000 K	7300 lm	6800 lm	124 lm/W	8 kg
2221033/6/...	URSA LED ALFA 48	48 W	55 W	700 mA	5000 K	8150 lm	7100 lm	129 lm/W	8 kg
2221034/3/...	URSA LED ALFA 60	60 W	67 W	830 mA	3500 K	8050 lm	7700 lm	115 lm/W	8 kg
2221034/4/...	URSA LED ALFA 60	60 W	67 W	830 mA	4000 K	8950 lm	8000 lm	119 lm/W	8 kg
2221034/6/...	URSA LED ALFA 60	60 W	67 W	830 mA	5000 K	9350 lm	8400 lm	125 lm/W	8 kg
2221035/3/...	URSA LED ALFA 72	72 W	80 W	1000 mA	3500 K	9400 lm	8950 lm	112 lm/W	8 kg
2221035/4/...	URSA LED ALFA 72	72 W	80 W	1000 mA	4000 K	10450 lm	9300 lm	116 lm/W	8 kg
2221035/6/...	URSA LED ALFA 72	72 W	80 W	1000 mA	5000 K	10950 lm	9750 lm	122 lm/W	8 kg
2221037/3/...	URSA LED ALFA 96	96 W	105 W	700 mA	3500 K	14050 lm	13100 lm	125 lm/W	10,5 kg
2221037/4/...	URSA LED ALFA 96	96 W	105 W	700 mA	4000 K	14650 lm	13550 lm	129 lm/W	10,5 kg
2221037/6/...	URSA LED ALFA 96	96 W	105 W	700 mA	5000 K	16350 lm	14250 lm	136 lm/W	10,5 kg
2221039/3/...	URSA LED ALFA 120	120 W	129 W	830 mA	3500 K	16100 lm	15450 lm	120 lm/W	10,5 kg
2221039/4/...	URSA LED ALFA 120	120 W	129 W	830 mA	4000 K	17850 lm	15950 lm	124 lm/W	10,5 kg
2221039/6/...	URSA LED ALFA 120	120 W	129 W	830 mA	5000 K	18750 lm	16750 lm	130 lm/W	10,5 kg
2221041/3/...	URSA LED ALFA 144	144 W	154 W	1000 mA	3500 K	18850 lm	17950 lm	117 lm/W	10,5 kg
2221041/4/...	URSA LED ALFA 144	144 W	154 W	1000 mA	4000 K	20850 lm	18600 lm	121 lm/W	10,5 kg
2221041/6/...	URSA LED ALFA 144	144 W	154 W	1000 mA	5000 K	21900 lm	19500 lm	127 lm/W	10,5 kg

/... Symbol of selected optical system