MOVA



Weight (without cable)	6.21 kg
Scx	0.048 m²
A (length)	677 mm
B (width)	320 mm
C (height)	103 mm

MATERIALS — SURFACE TREATMENT

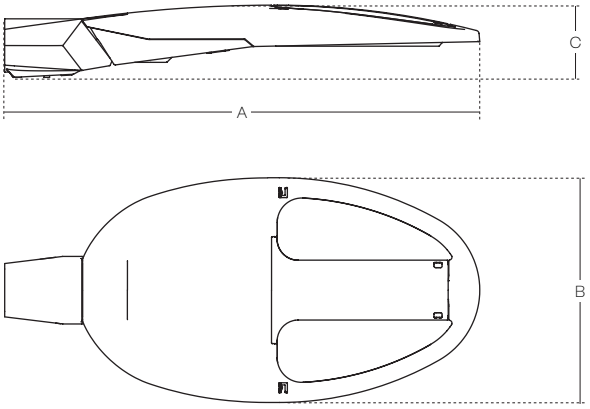
Body: Die-cast aluminum.
Diffuser: Polycarbonate (PC)
Polyester powder coating.
Choice of RAL colours.

OPTION:
Special seaside treatment.

MOUNTING — WIRING

Reversible top/side mounting.
Top pole mounting: Ø60-62 mm, length 90 mm
Tilt 0°, +5°, +10° et +15°.
Side mounting: on tubular arm Ø60-62 mm, length 100 mm,
Tilt 0°, -5°, -10°, et -15°.
Pre-wired according to installation (standard: 2x1.5 mm² HO7RNF, 10 m)

OPTIONS:
Pre-wiring HO7RNF 4x1.5 mm² for DALI & D4i system.
Screws for brackets Ø42 & Ø49 mm.



PRODUCT DESCRIPTION

Class II luminaire.
Power, luminaire flux, and efficiency: see summary table

Color temperatures :
2200K - 2700K - 3000K.
Amber*-1800K*-2400K*-4000K*.
CRI 80 on request.
Lifetime: L90 B50.
(< 50% of LEDs have output below 90% of initial flux at 100,000h)
Thermal management.
Available in 16 LED version.
Zhaga Book 15 LED module & Zhaga Book 13 driver.

OPTIONS:
Proprietary Abel DALI sensor, integrated or remote.
ZD4i sensor, integrated or remote.
Connection base for Zhaga Book 18 socket, top and/or bottom.
Connection base for Nema socket, top.

INSTALLATION — MAINTENANCE

Tool-free opening.
Tool-free LED module replacement.
Tool-free driver board replacement.Special treatment for pressure screws (sleeve/pole or sleeve/bracket).
Good repairability: replaceable driver & LED modules.

OPTICS

Types: Narrow path, Narrow street, Roadway, Avenue, Parking.
See document «Optics & Photometry».

SURGE PROTECTION

Category IV luminaire.
Resistant to 6kV between phase-neutral & earth.
10kV-5kA surge protector between phase-neutral & earth, and on DALI bus, to be installed at the base of the pole.

*on request



SUMMARY TABLE

NUMBER OF LEDS			16			16
MOVA (Up to 220 lm/w (LED))			≤700mA			≤1050mA
LED voltage (mA)			350	530	700	1000
LUMINAIRE	Power consumed (W)		17.1	26.3	35.4	49.7
	Driver power (W)		1.9	2.9	4	3.6
	Flux (lm) ESC (Energy Saving Certificate)	3000K CRI 70	2740 ESC	4082 ESC	5314 ESC	7400 ESC
		2700K CRI 70	2643 ESC	3937 ESC	5124 ESC	7138 ESC
		2200K CRI 70	2424 ESC	3612 ESC	4702 ESC	6550 ESC
		1800K* CRI 70	2079 ESC	3098 ESC	4033 ESC	5617 ESC
Luminaire efficiency				83 %		
LED	LED Flux (lm) Efficacy (lm/W) LED Power (W) EEI (Energy Efficiency Index)	3000K CRI 70	3301 217 15.2 B	4918 210 23.4 B	6402 204 31.4 B	8916 193 46.1 C
		2700K CRI 70	3184 209 15.2 B	4743 203 23.4 B	6174 197 31.4 C	8600 187 46.1 C
		2200K CRI 70	2921 192 15.2 C	4352 186 23.4 C	5665 180 31.4 C	7891 171 46.1 D
		1800K* CRI 70	2505 165 15.2 D	3733 160 23.4 D	4859 155 31.4 D	6767 147 46.1 D

* on request

If you know the required power and luminous flux, determine the necessary LED current with the configuration tool available here:
https://abeleclairage-iadjust.web.app/