



ALFA Hbled GRACE

Professional LED lamps equipped with individually programmable module controlling the electricity usage, with the latest Hbled technology used as a light source.

The luminaire may optionally be equipped with an individual motion sensor.

APPLICATION

- Roads, streets
- Alleys, pavements
- Bicycle paths
- Parking places
- Industrial zones
- Residential areas

MOUNTING SYSTEM

- Can be mounted on a pole peak. Unified tip diameter Of 42 to 60mm.
- Can be mounted on the boom side. Unified tip diameter Of 42 to 60mm.
- Adjustable joint allows smooth change of the inclination angle Relative to the illuminated surface $35^{\circ} + 45^{\circ}$

LUMINAIRE TYPES

Luminaire type	Power strenght [W]	The luminous power [lm]
1M	30	4553
1M	40	5776
1M	50	7185
2M	60	8672
2M	70	10159
2M	80	11496
2M	90	12933
2M	100	14370
3M	110	15935
3M	120	17249
3M	150	21546

Due to technical progress may be varied





PROFESSIONAL LED LIGHTING

DANE TECHNICZNE

Voltage power	230 [V] AC
Power consumption	30-150 [W]
Light source	4/8/12 HBLED
Frequency power	50/60 [Hz]
Level of protection	IP 66
IK Shock-Protection Rate	IK 09
WFactor distortions THD	<15 [%]
Power factor cos α	>0,95
Time ignition	<1 [s]
Range work	-40 [°C] do +55 [°C]
Guarantee	4 years
Costruction	1/2/3 Modules
Binding	Aluminium
Optical system	Polycarbonate
Temperature colour	Neutral: 4.000 [K] Cold: 5.700 [K]
Motion sensor	YES- optional
Power regulation	YES- optional

BENEFITS OF APPLICATION

- Low power consumption
- A large luminous flux
- Durability
- Solid housing
- Easy assembly
- Significant reduction in maintenance costs
- Fast return on investment

Coloring - standard

Black - RAL 9005

Grey - RAL 9006

Coloring - other version

the individual needs of
versions available as
RAL palette

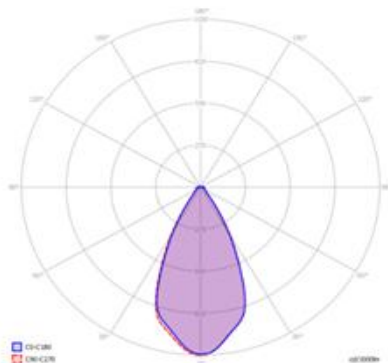




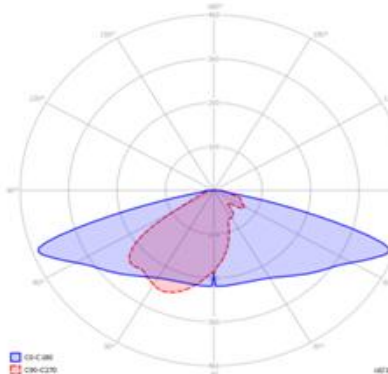
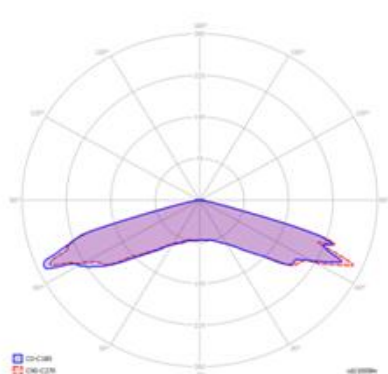
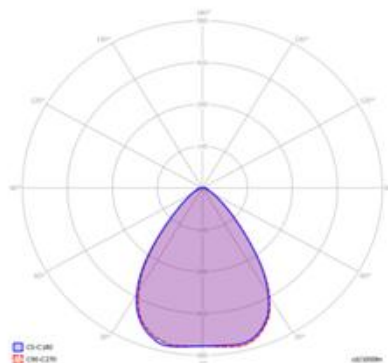
PROFESSIONAL LED LIGHTING

LIGHT DISTRIBUTION GRAPHS

ALFA MX-W



ALFA MX-WWW

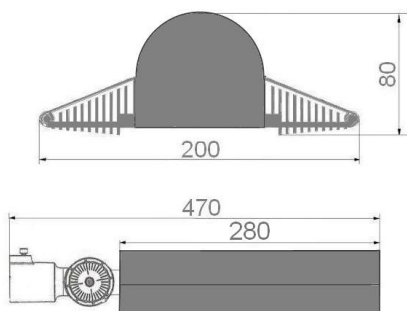


ALFA MX-VSM

ALFA MX-DWC

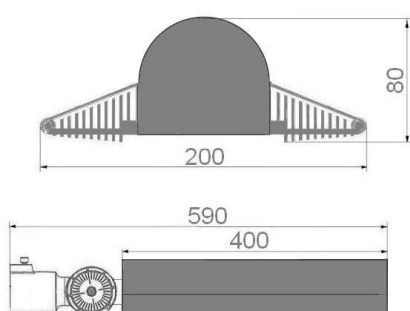
DIMENSIONS

1M



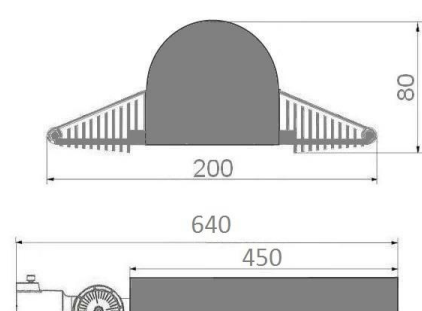
waga: 3,0 kg

2M



waga: 4,4 kg

3M



waga: 4,8 kg

PRODUCER OF ILLUMINATION

ALFA HBLED

Poland, 62-800 Kalisz
ul. Chodyńskiego3-4A

biuro@hbled.pl www.hbled.pl