The **Alfa Roadway Lighting** luminaires are powered by the Gruppe Crystal OpticLED™ platform, and featuring innovative thermal management design, offers exceptional performance and value. This versatile luminaire can be tailored to the unique specifications of each project by offering multiple drivers, wattage options and dimming options to further maximise energy savings and provide the most cost-effective solution. The Alfa luminaires can be adjusted on-site for optimal photometric performance. This flexibility ensures that the light distributions are specifically adapted to the real needs of the area to be lit.

Using state-of-the-art technology, Alfa luminaires have been designed to fulfil the FutureProof concept. The photometric engine is IP 66 sealed to protect the LEDs and lenses from coming into contact with the outside environment and so maintain photometric performance over time.

The photometry engine and gear compartment can easily be removed (plug & play system), allowing real on-site maintenance and future upgrading technology development. This easy and rapid procedure reduces maintenance costs and contributes to reducing the total cost of ownership. The luminaire is equipped with knife switch safety feature to cut off the power supply when open the device.

Application
Roadway, highway, residental, parking, etc.
Security, perimeter lighting, architecture & landscape.

Features
High pressure die cast aluminium alloy housing.
Corrosion resistant.
Finished with polyester powder paint.
Standard colour grey.
Tool free maintenance
Easy access from the top for maintenance.
Easy replacement of the entire LED module and electronic system by removing the top cover.
Replaceable electronic unit in gear tray "plug and play".
Adjustable mounting spigot for tilting and mounting flexibility on pole top or side entry.
Anti-aging silicone rubber gasket.
Clear tempered glass protector.
Clip on closure.
Operating temperature (Ta) -25°C ~ 50°C.
Salt spray tested (ISO 9227:2012)
Anti vibration up to 5G
Dimming and smart lighting system available upon request.

Characteristic
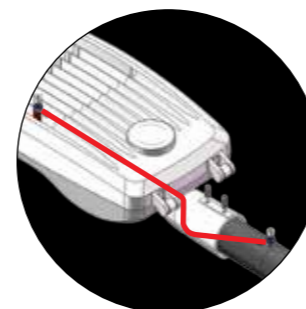|		
Light source	:	Mid Power LED
Optical	:	PC Lens modules, Muiltiple beams Anti glare optic
Power correction factor	:	> 0.9
Insulation	:	Class 1
Compliance	:	IEC 60598-1, IEC 60598-2-3 IEC 62722
Ingress Protection (IP)	:	IP66
Protection against surge (SPD)	:	10KA ~ 20KA
Colour rendering (CRI)	:	≥ 70
Colour temperature (CCT)	:	3000K ~ 6000K
Other CCT & CRI available upon request		
Weight	:	5.0kg ~12.0kg

Option : Remote Control System & Smart Intelligent System available upon request

Anti Drop System

Robust, Slim Sleek design

IOT Ready

Energy saving with remote control system

Network for smart intelligent system
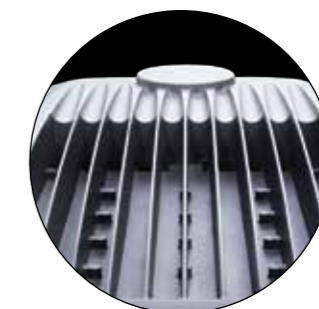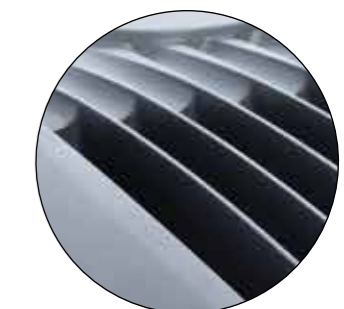

GlareSafe® Multiple lens

Good heat dissipation and Air ventilation

IOT Ready

ThermalSafe® Thermal system

ALFA Roadway Lighting

The connected intelligent road luminaire...

ThermalSafe®
GlareSafe®
TightSafe®
Smart Intelligent System *itouch*™
Future Proof
Anti Drop System

CE IP 66 IK 09 **LED** *Generation*

Flexibility (Plug & Play System)

ALFA

The luminiares various sizes and its photometric versatility
makes it perfectly suited to multiple road & public lighting applications

Tool Free Opening Clip

High Power LED

Top Opening Easy Maintenance

Knife Switch

Side Entry

Post Top

Specification

Type	Alfa series
Light source	LED-module
Wattage	30W ~ 240W
Nominal efficacy	100 ~ 120 lm/W
Color Temperature (CCT)	3000K ~ 6000K
Color rendering Index (CRI)	≥ 70. Other CRI available upon request (≥ 80, ≥ 90)
Useful life	50,000 hours ~ Base on the light source
Operating temperature range (Ta)	-25°C~ 50°C
Driver	Built-in electronic system
Main voltage	100~277V / 50~60Hz
Options	Dimming system
	Photocell
	Nema socket (7 pin)
Optical lens photometry	T2A, T3A, T4A, T3, T4, T5, T12, T13, T14
	* Refer to the Lens application page
Material	Housing : High pressure die-cast aluminium alloy
	Protector : Clear tempered flat glass
	Finishing : Polyster powder paint
Color	Grey
	Other RAL colors available on request
Maintenance	Easy access from the top. Replacement of the entire module & electronic system by removing top cover.
	Replaceable mounting in gear tray "plug and play"
Installation	Post top : 60 mm
	Side entry : 60mm
	Recommended mounting height : 6m ~ 15m
	Standard tilt angle post top : 0, -5° and -10°
	Adjustable tilt angle 0, -5° and -10°

Ordering Code Dimensions

Code	Wattage	Leds	Nominal Flux	a	b	c	d	e	f
ALF03040	30W	12	3300	445	350	230	121	85	60
ALF06040	60W	24	6600	495	400	230	121	85	60
ALF09040	90W	48	9900	670	570	280	138	110	60
ALF12040	120W	48	13200	720	620	290	138	110	60
ALF15040	150W	60	16500	720	620	290	138	110	60
ALF18040	180W	80	19800	830	730	345	138	110	60
ALF20040	200W	96	22000	830	730	345	138	110	60
ALF24040	240W	112	26400	830	730	345	138	110	60

* The above ordering code is base on CCT~4000K

Dimensions (mm)

Photometry ~ 240W