

COMBI TOP 4 COMBI TOP 5

AUTONOMOUS LIGHTING
A DURABLE SOLUTION

GRIFF XL

TEKK

GRIFF

NOVEA
LEADER IN SOLAR STREET
LIGHTING

endurance+
TECHNOLOGY

THE MOST DURABLE AND
PERFORMING BATTERY OF
THE MARKET



0€ OF TRENCH WORK
0€ OF CABLE
0€ OF ELECTRICITY BILL
0€ OF CONSOMMATION
0€ OF SUBSCRIPTION



PARKING
RESIDENTIAL AREA
BACKSTREET
CROSSING
PEDESTRIAN CROSSING
REST AREA
ZAC



TECHNICAL CHARACTERISTICS

COMBI TOP 4 COMBI TOP 5

SOLAR PANEL

Power / Area	210 Wp / 1,3 m ²	260 Wp / 1,6 m ²
Technology	Cristallin high efficiency	
Lifetime	> 25 years	

BATTERY

Technology	Endurance +, Lithium Iron phosphate	
Capacity	819 at 1 638Wh	
Location	NOVBOX aluminium casing, IP66, fast connectors, located under solar panel	
Lifetime	> 20 years*	

LUMINAIRE

Template	GRIFF S, TEKK S 16 at 32 LED GRIFF XL, TEKK M, 48 at 80 LED	
Mechanical data	Cast aluminium - Plate tempered glass protection - IP66 - IK08	
Light height	5.0 m, 6.0 m or 7.0 m	6.0 m, 7.0 m or 8.0 m
Power consumption	20 - 60 W	
Luminous flux leaving	3 200 - 9 600 lm	
Light efficiency	Up to 165 lm/W	
Color temperature	3 000 K or 4 000 K // IRC > 70	
Lifetime	> 80 000 h at 80% of initial flux	

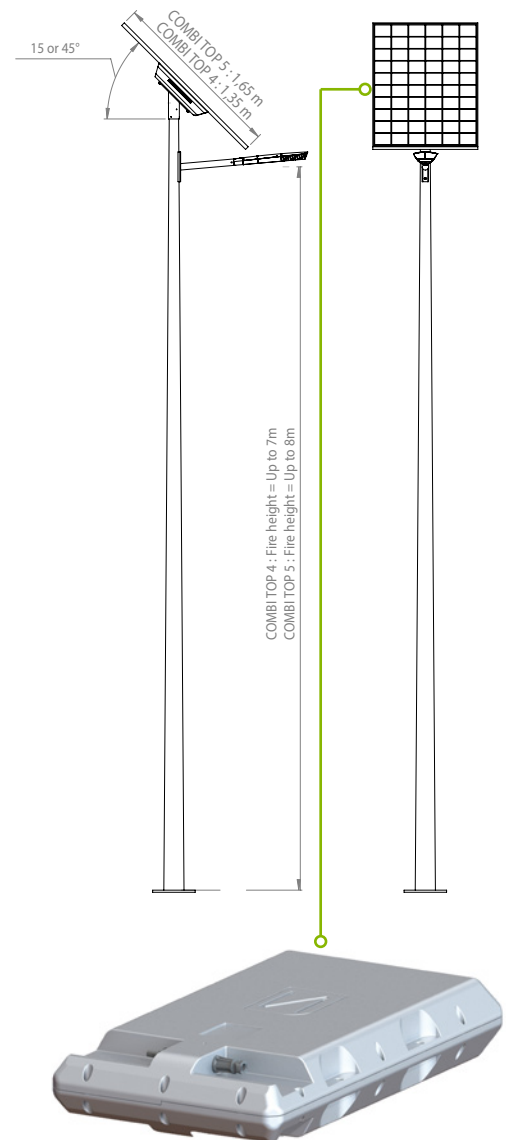
LIGHT CONTROL

Electronic NOVEMS	Designed by Novea 70W/-20°C +80°C / Efficiency 95% Expected lifetime of 20 years
Functions and lighting management	Switchoff and/or dimming during the night Presence detection (option) Informations storage Weather counter of operation Calculation of the battery charge level
Protection	Deep discharge, Overload, Temperature, Short circuit

BRACKET MAST AND STICK

Mast material	Cylindro-conical powder-coated galvanized steel
EN40 compliant	Wind zone 28m/s (solar panel inclined at 45°) and 36m/s (solar panel inclined at 15°)

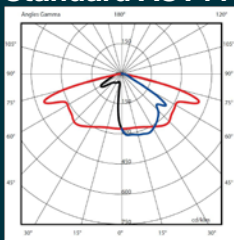
Dimensions



NOVBOX
RUGGED AND
LONG-LASTING
Service life > 20 years*

Photometry

Standard ASY11

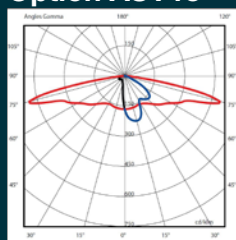


Designed for the lighting of average road and lighting street.

ASY10 Designed for the lighting of narrow road and urban streets.

PC02 Designed for the lighting of wide road and pedestrian crossing.

Option ASY13



Designed for the pedestrian lighting street and bike paths.

Surface	Ht	30 W	40 W	50 W	Uniformity
20*5 m	5 m	23	30	38	0.41
25*6 m	5 m	17	23	28	0.37
25*6 m	6 m	15	20	25	0.39
30*7 m	6 m	12	16	20	0.37
30*7 m	7 m	11	14	18	0.38
35*8 m	7 m	8.8	12	15	0.37
40*9 m	8 m	6.8	9	11	0.36

Luminous flux expressed in middle flux.

For each application, an energetic study will be provided to validate capacities of the product (power, lighting time, autonomy).

* For the temperate area

