

GAVITA AS

- ☉ Norwegian company with daughter companies in Holland and Canada.
- ☉ Manufacturer of horticultural lighting fittings and reflectors.
- ☉ Lighting design, advising, based on more than 20 years experience in greenhouse lighting.
- ☉ One of market leaders in Europe.
- ☉ Export of 80 % of total production.



GAVITA offers GAN AL universal High Pressure Sodium luminaire for greenhouse lighting, available as:

☉ **Standard 230 V:**

- ☼ GAN 400 AL
- ☼ GAN 600 AL
- ☼ GAN 750 AL

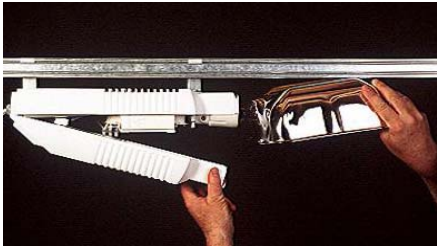
☉ **Superagro combination fitting 230 V:**

- ☼ GAN 4 – 550 AL Superagro
- ☼ GAN 6 - 750 AL Superagro

☉ **400 V system**

- ☼ GAN 600 AL 390/400V

GAN AL



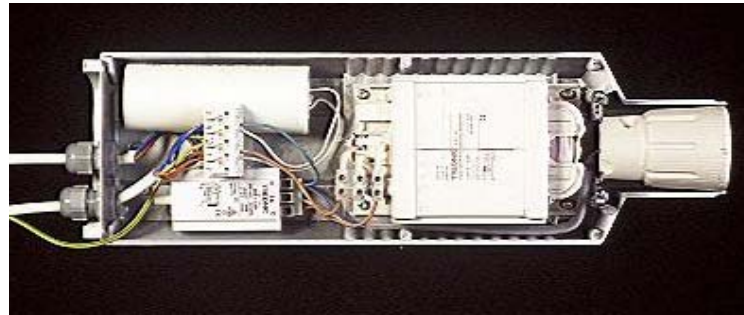
Easy

- ☯ Mounting
- ☯ Service
- ☯ Reflector cleaning
- ☯ Reflector exchange



Easy, time-saving installation and services

- ☯ No screws no tools
- ☯ Only snap-in connections



Technical data GAN AL & GAN AL Superagro

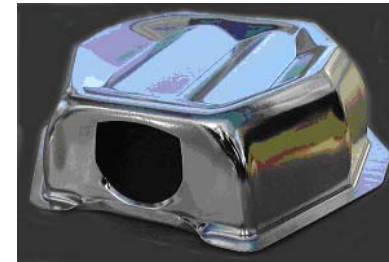
	GAN AL		GAN AL Superagro		400V System
	GAN 400 AL	GAN 600 AL	GAN 550 AL	GAN 750 AL	GAN 600 AL
Light source	HPS Plus 400W	HPS Plus 600W	HPS Plus 400W	HPS Plus 600W	HPS Plus 600W
Light output	55 000 lum	90 000 lum	74 000 lum	112 000 lum	90 000 lum
Total power consumption	440,00 W	650,00 W	590,00 W	810,00 W	640 +/- 10%
Voltage/ Frequency	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	390/400V/50Hz
Normal / start current	2,10 A / 2,50 A	3,10 A / 3,50 A	2,85 A / 3,30 A	4,10 A / 4,60 A	1,85 A / 2,10 A
Cos φ	> 0,90i	> 0,90i	> 0,90i	> 0,90i	> 0,90i
Weight of luminaire	6,4 kg	8,8 kg	6,4 kg	8,8 kg	7,8 kg

REFLECTORS

- ☯ The detachable reflectors easy:
 - to keep clean
 - change to another kind if necessary
- ☯ The reflectors are pressed from high quality aluminium (99.95%), and anodised
- ☯ The new anodising technology means:
 - brilliant, lustrous upper layer
 - higher resistance against dirtiness
- ☯ This results in:
 - high efficiency
 - uniform light distribution
 - excellent reliability



Reflector Deep 9530



Reflector Medium2001



Integrated reflector lamp0

IR lamp 600 W HPS

Advantages of IR Lamp Installations for Greenhouse Lighting



- ☉ Highest reflector efficiency 95%
- ☉ Up to 20 % higher light output compared to standard systems
- ☉ Light distribution ideal for wide greenhouse sections
- ☉ Internal reflector has life-time high quality
- ☉ Reduced maintenance, operating and installation cost

Practical measurement by DLV

There is the some Installed power (Watt) in all tested lighting installations

	GAN 600 AL Deep Without three phases capacitor	GAN 600 AL Deep With three phases capacitor	GAN 600 AL IR lamp With three phases capacitor
Calculated light level	6900 lux	6900 lux	7400 lux
Measured light level	6700 lux	6950 lux	8080 lux
Difference, %	100%	+ 4%	+ 20%



Using of GAVITA lamps

Flowers:



Cuttings

- Rose
- Gerbera
- Lily
- Chrysanthemum
- Anthurium
- Orchids

Pot flowers

Vegetables:



- Cucumber
- Tomato
- Paprika
- Lettuce
- Herbs
- Seedlings

Interlight



Grass

