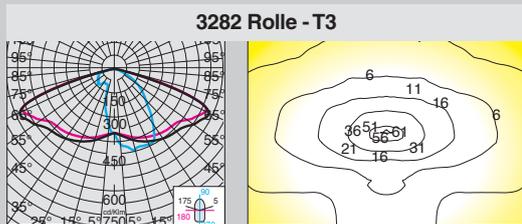
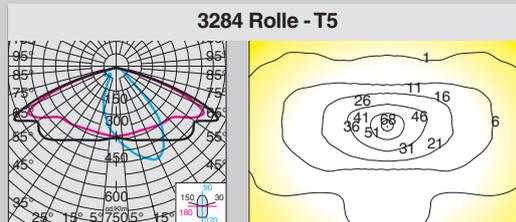
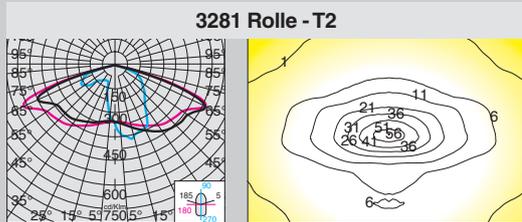
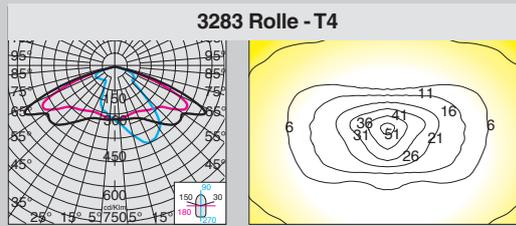
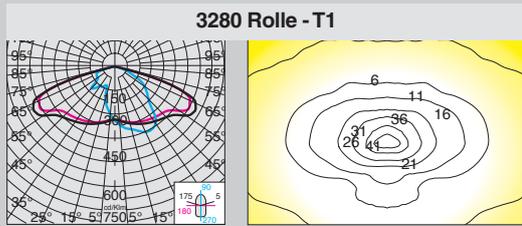




## Disano Rolle



## What is a smart city?

A smart city is a city where there is a better quality of life and where public spaces can help citizens achieve their full potential and move more freely, while saving time and respecting the environment. The intelligence of a «Smart City» is a distributed, shared, horizontal and social intelligence. It is an intelligence that promotes the participation of citizens and the organization of the city towards a greater optimization of resources and results. Energy consumption, public resource use and time are all optimized. With the Web and the new technologies, access to services is easier and public spaces can be organized to favour mobility, save time and turn our cities smarter. Remote management systems make objects more intelligent and recognizable, so that they can communicate data and provide access to aggregated information. Thanks to a more efficient use of the Web, everything within a city (urban fittings, public buildings, monuments, etc.) can play an active role and become collectors and distributors of information about traffic, energy consumption, services and assistance to citizens, cultural and touristic attractions and much more.

**Photometric performance:** designed with an optical system capable of controlling the potential glare created by the growing light intensity of LEDs while achieving high photometric performance. This allows the application in street lighting schemes where there is a significant distance between the poles. In these cases, greater light control is reached with the optics equipped with auxiliary lens.

**Optical system:** the modularity of the optical system, the solutions used for the electronic circuit design and the optimal control of operating temperatures, make the Rolle line a highly professional, flexible and reliable product, capable of guaranteeing huge application advantages in several situations

**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 15° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 46-76.

**Diffuser:** clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN 12150-1 : 2001)

**Coating:** polyester resin for powder coating, resistant to corrosion and saline environments.

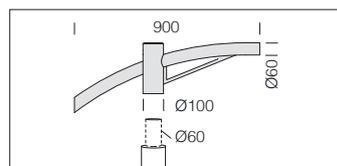
**Standard supply:** automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Complete with quick connection.

**Energy-saving:** the possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions, and also help you deal with maintenance and retrofitting problems. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

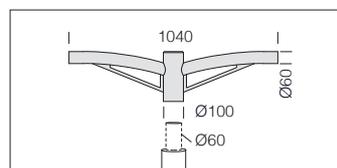
**Heat sink:** the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

Table for the various options for managing the supply point

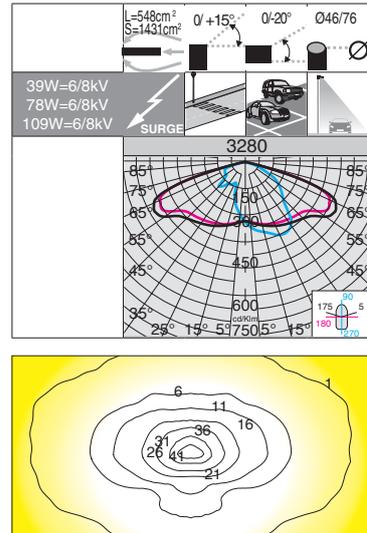
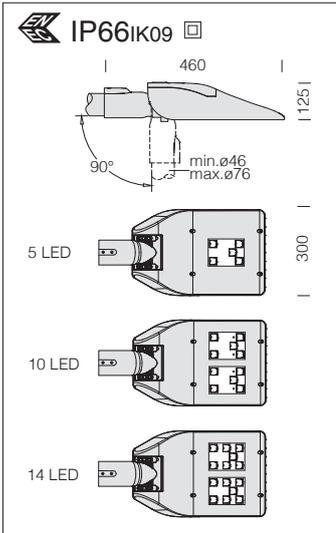
1-10V dimming	Virtual midnight	PLC remote control	Wi-Fi remote control (to be agreed upon)
Adjustment range from 10%-100% with 1-10V	Stand alone system with reduction of luminous flux and surge protector 6/10 KV	Point-to-point and system management and diagnosis system	Point-to-point and system management and diagnosis system with Wi-Fi system



<b>acc. 504 single arm</b>	
s. silver	991262-00
Suited for poles with a diameter 60mm.	



<b>acc. 508 double arm</b>	
s. silver	991266-00
Suited for poles with a diameter 60mm.	



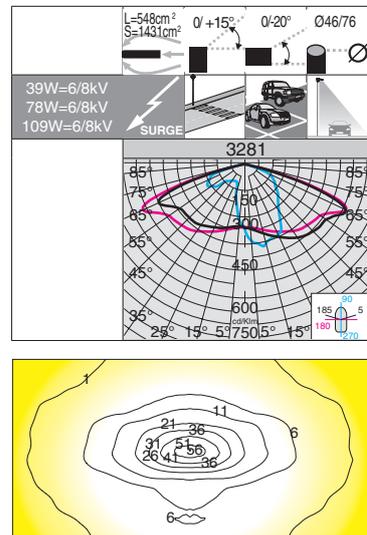
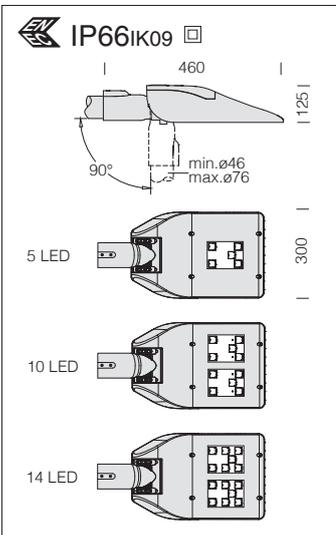
**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**LED:** Luminous flux maintenance 80% 80.000h (L70B20)  
Power factor  $\geq 0.9$

3280 Rolle - T1					
		CLD CELL		LED (Tj=85°C)	
wattage 700mA	colour	weight	code	W	K - $\phi$ lm 700mA - CRI
LED	s. silver	7.70	330400-00	39	4000K - 5400lm - CRI 70
LED	s. silver	7.70	330401-00	78	4000K - 10800lm - CRI 70
LED	s. silver	7.70	330402-00	109	4000K - 15120lm - CRI 70

**On request:** possibility to control each individual light point (see table on p. 125).

	Power Supply	n.LED	W	$\phi$ lm
On request	350mA	5	19	2970 lm
		10	38	5940 lm
		14	53	8316 lm
On request	530mA	5	30	4050 lm
		10	59	8100 lm
		14	83	11340 lm



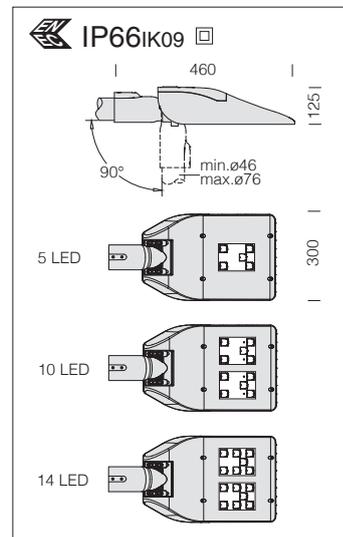
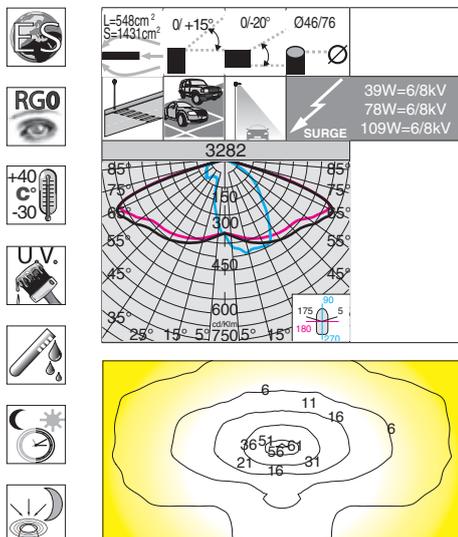
**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**LED:** Luminous flux maintenance 80% 80.000h (L70B20)  
Power factor  $\geq 0.9$

3281 Rolle - T2					
		CLD CELL		LED (Tj=85°C)	
wattage 700mA	colour	weight	code	W	K - $\phi$ lm 700mA - CRI
LED	s. silver	7.70	330410-00	39	4000K - 5400lm - CRI 70
LED	s. silver	7.70	330411-00	78	4000K - 10800lm - CRI 70
LED	s. silver	7.70	330412-00	109	4000K - 15120lm - CRI 70

**On request:** possibility to control each individual light point (see table on p. 125).

	Power Supply	n.LED	W	$\phi$ lm
On request	350mA	5	19	2970 lm
		10	38	5940 lm
		14	53	8316 lm
On request	530mA	5	30	4050 lm
		10	59	8100 lm
		14	83	11340 lm



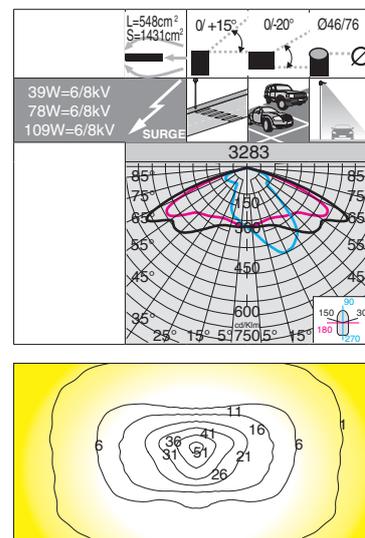
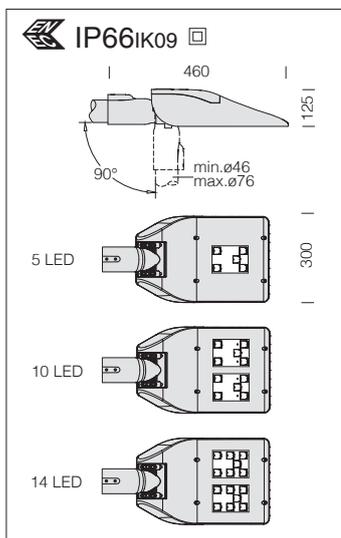
3282 Rolle - T3					
		CLD CELL		W	LED (Tj=85°C)
wattage 700mA	colour	weight	code		K - ølm 700mA - CRI
LED	s. silver	7.70	330420-00	39	4000K - 5400lm - CRI 70
LED	s. silver	7.70	330421-00	78	4000K - 10800lm - CRI 70
LED	s. silver	7.70	330422-00	109	4000K - 15120lm - CRI 70

**On request:** possibility to control each individual light point (see table on p. 125).

**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**LED:** Luminous flux maintenance 80% 80.000h (L70B20)  
Power factor ≥0.9

	Power Supply	n.LED	W	ølm
On request	350mA	5	19	2970 lm
		10	38	5940 lm
		14	53	8316 lm
On request	530mA	5	30	4050 lm
		10	59	8100 lm
		14	83	11340 lm



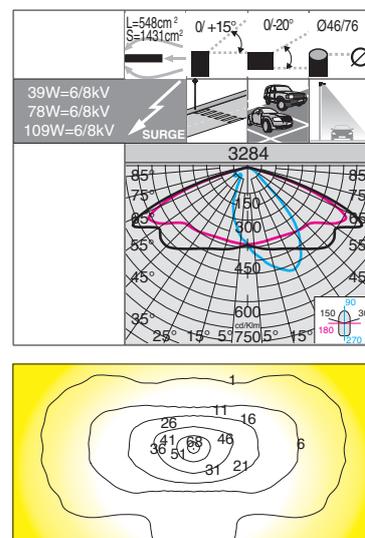
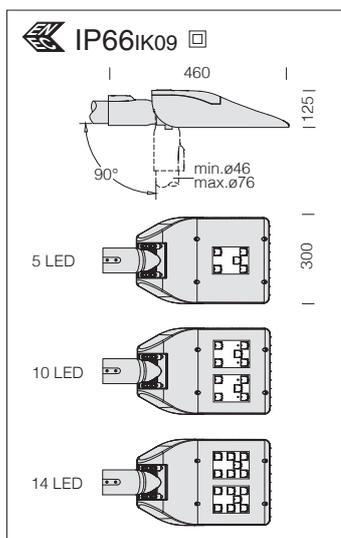
**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**LED:** Luminous flux maintenance 80% 80.000h (L70B20)  
Power factor  $\geq 0.9$

3283 Rolle - T4					
wattage 700mA		CLD CELL		W	LED (T <sub>j</sub> =85°C)
LED	s. silver	7.70	330430-00	39	K - 4000K - 5400lm - CRI 70
LED	s. silver	7.70	330431-00	78	4000K - 10800lm - CRI 70
LED	s. silver	7.70	330432-00	109	4000K - 15120lm - CRI 70

**On request:** possibility to control each individual light point (see table on p. 125).

	Power Supply	n.LED	W	ølm
On request	350mA	5	19	2970 lm
		10	38	5940 lm
		14	53	8316 lm
On request	530mA	5	30	4050 lm
		10	59	8100 lm
		14	83	11340 lm



**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**LED:** Luminous flux maintenance 80% 80.000h (L70B20)  
Power factor  $\geq 0.9$

3284 Rolle - T5					
wattage 700mA		CLD CELL		W	LED (T <sub>j</sub> =85°C)
LED	s. silver	7.70	330440-00	39	K - 4000K - 5400lm - CRI 70
LED	s. silver	7.70	330441-00	78	4000K - 10800lm - CRI 70
LED	s. silver	7.70	330442-00	109	4000K - 15120lm - CRI 70

**On request:** possibility to control each individual light point (see table on p. 125).

	Power Supply	n.LED	W	ølm
On request	350mA	5	19	2970 lm
		10	38	5940 lm
		14	53	8316 lm
On request	530mA	5	30	4050 lm
		10	59	8100 lm
		14	83	11340 lm

Rated average design life where stated is based upon application of the product's operating and maintenance guidelines; Actual product life may vary dependent upon frequency of maintenance and product application. Lumens noted are chip lumens. Wattages noted are module wattages. Due to continual product improvement, information is subject to change without notification. Gerard Lighting Pty Ltd standard Terms and Conditions apply. Correct as at date 14/3/2017.