INFRALUX

HighPower IR-LED illuminators

Thinking of the new INFRALUX illuminators as "standard" illuminators would be extremely reductive. This new line comes from an extensive research and is based on the implementation of technologies usually applied exclusively to High-tech sectors. Our challenge was that of achieving the best quality-price ratio. SERINN's engineers were therefore asked to propose new and innovative solutions whose results have gone further beyond the already ambitious goals that were set in the first place.
The mechanics behind it was designed specifically in order to achieve an efficient heat dissipation, therefore respecting MTBF and low consumption of the applied sources. This new heat sink was developed according to the same pattern of the previous one, but with a higher heat dissipation rate. The idea of the front panel comes from a project that uses special Techno-polymers applied for selective lighting applications. Special additives are also used in order to provide a protection against corrosion and weather conditions.
In designing its new INFRALUX line, SERINN particularly focused on the electronic side for controlling and steering these brand new semiconductors which guarantee top performances in terms of emissions' quality (specific IR-LED for CCTV applications). These top performances (to be found usually in the Automotive business only and at extremely great costs) make it possible to offer the most suitable product for each and every CCTV need.
New collimators, reduced bulk and a series of new mounting accessories make the INFRALUX line a state-of-the-art product in terms of IR-illuminating technique for CCTV systems.

PROJECT'S MAIN FEATURES:

- Voltage for all illuminators is 12Vdc, thus each illuminator can be fed with a standard power supply. Switching power packs and harnessed fully-equipped power kits can be purchased separately.
- The INFRALUX030 series comes with a U-shaped fixing bracket, automatic twilight switch, 3m cable with an external sheath made of Compound and suitable for outdoor use. Wall-mounting bracket and other accessories can be purchased separately.
- INFRALUX100, INFRALUX150, INFRALUX200 and INFRALUX300 are supplied with a U-shaped fixing bracket, automatic twilight switch with adjustable or ON/OFF threshold (by shutting off its photocell, the illuminator can be controlled through the steering circuit in the additional power unit), 3m cable with an external sheath made of Compound and suitable for outdoor use. Wall-mounting bracket and other accessories can be purchased separately.
- The INFRALUX400 series is made up of 2 INFRALUX300 illuminators, which can be installed on the same bracket by using an adaptor (included).

As for lighting distances (range), 2 major figures are given: 1) for CCD 1/3" B/W 0.03LUX cameras; 2) for CCD 1/3" mechanic Day&Night 0.01LUX. Cameras that are currently on the market.

Measurements were collected during some recent tests carried out inside the "Parco del Centenario" (Trezzano S/N–Milan), on an open grass field. No reflection from surrounding environment detected.

OPTIONAL FEATURES:

- Switching power packs with an 12Vdc output. Various models available according to the type of illuminator (containment case not included).
  NOTE: when using this power supply, light intensity can be adjusted (IL150, IL200, IL300, IL400)
- Pre-wired power units with an aluminium die-casting body. The unit contains a switching power supply, sealed cable glands, proportional terminal boards, Input/output terminals in case of remote controlling. Various models available according to the type of illuminator.
- Wall-mounting brackets and adaptors. Various models available according to the type of illuminator.
- Pole-mounting brackets/holders. Various models available according to the type of wall bracket and power supply.

As the previous line, the new INFRALUX illuminators comply with the rules set in the LASER/LED EN60825-1 standard, fourth edition and with the new one also with EN62471-1&-2. The LEDs' service life corresponds to >50.000 nominal hours (after 50.000 hours, is guaranteed the 70% of efficiency).

The big success that our HighPower IR-LED illuminators were able to obtain up till now shows how important it is to use a separate illuminator in order to get excellent quality in terms of shooting and digital analysis.

Please, do not hesitate to contact us for any questions or further information.

Kindest regards,

Luigi Corso
Sales Manager