

Procemex Eco – Power Zoned Strobe LED Light

- engineered by our experienced project managers



- IMPROVE YOUR IMAGE QUALITY**
- REDUCE YOUR COOLING COST**
- ✓ 50% Reduction in cooling air
- ✓ Water cooling option
- ✓ 3 Times more light
- ✓ Worlds leading image quality without any bright spots
- ✓ Smaller footprint
- ✓ 100% visibility over time

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Camera controlled smart light (flash frequency, flash duration, power in each zone)



Great Vision for
Great Machines

- 50% reduction in air cooling → New way of air cooling cuts dramatically air consumption
- Cool with water – save instrument air → Water or air can be used for light cooling
- 36 Super powerful LED's → 3 x Times more light than in previous industry leading Procemex strobe LED Lights
- Superior light distribution for large areas → New custom designed lenses eliminate bright spots and dark edges
- 12 software adjustable Power Zones each with 10 power levels → Get more light into the dark areas & reduce reflections from machine elements
- Smaller Footprint → New size opens better installation positions : 270mm(W)135mm(H)70 mm(D)
- Water cleaning & stainless steel housing → Cooling water can be used also as cleaning agent
- No moving parts → Continuous visibility over time, as no mechanical cleaning equipment

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Camera controlled smart light (flash frequency, flash duration, power in each zone)

Camera Cooling

Low power consumption and heat generation cooled by air or water

Creating optimum illumination

A separate light source with flexible positioning and individual power zones allow optimum lighting with shadow creation

Continuous visibility

Continuously applied thin water film keeps protection window clean without disturbing cleaning interruptions

Procemex Eco – Power Zoned Strobe LED Illumination - a perfect Partner for our Pinhole Camera

All Procemex Flex cameras utilize the latest and most powerful LED strobe lighting technology developed by Procemex. The camera fully and automatically controls the strobe lighting to match the camera frame rate. The Camera shutter speed automatically controls the length of each light pulse resulting in the strobe light illumination only when the camera is filming. Compared to the earlier Procemex strobe LED lights, this new Zone Controlled Light provides 2,5 – 3 times more powerful illumination.

Additionally new Procemex Power Zone feature adjusts the power of each group of 3 LED units individually. With graphical user interface it is possible to enhance the areas requiring more light and respectively reduce the amount of light where necessary. This results that typical bright spots in camera pictures can be eliminated

Adjustable strobe lighting together with applied super light sensitive CMOS sensor technology, results in camera exposure times of 5-20 Microseconds freezing paper movement effectively, and producing crystal clear images.

- Stainless steel water tight housing
- New small size (: 270 mm (W), 135 mm(H), 70 mm (D)
- 36 super powerful LED units with custom made light directing lenses create a powerful and evenly distributed light flash exactly timed for camera image capture
- The power /light intensity of each group of 3 LEDs can be remotely adjusted individually with the help of graphical user interface.
- Normal day light LED reproduces all colors
- Camera cooled either with instrument air or water
- Automatic camera controlled strobing (frame rate) and flash duration (exposure time)
- Indirect air or water cooling prevents dirt/moisture entering into LED units
- Water cleaning for harsh environment
- Amount of light in each zone can be adjusted individually to bring more light where needed and vice versa
- Substantially smaller physical size opens new positions and makes installation easier
- Cooling with instrument air or water
- Strobe LED light can be positioned independently from camera to create optimum illumination (camera and light not integrated into one unit)
- Continuous visibility as no mechanical cleaning equipment
- Long life time resulted by short flash time and cool operating temperatures
- No over-clocking applied
- Dim light is non-disturbing to operators due to short exposure time