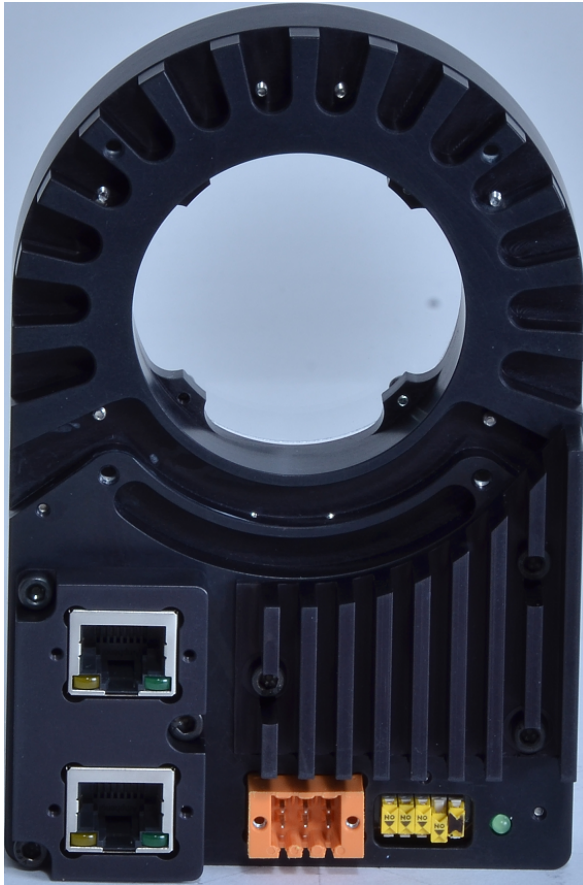SALES MEETING

2015

PoE Ring LED Light

IMPERX offers a range of
PoE powered* Ring LED lights.

Available LED Colors:

- White – 5650K

- RED – 627 nm

- Optional upon request

  - Yellow/Lime – 568 nm

  - Green – 530 nm

  - Blue – 470 nm (447 nm)

* PoE LED Patent Pending
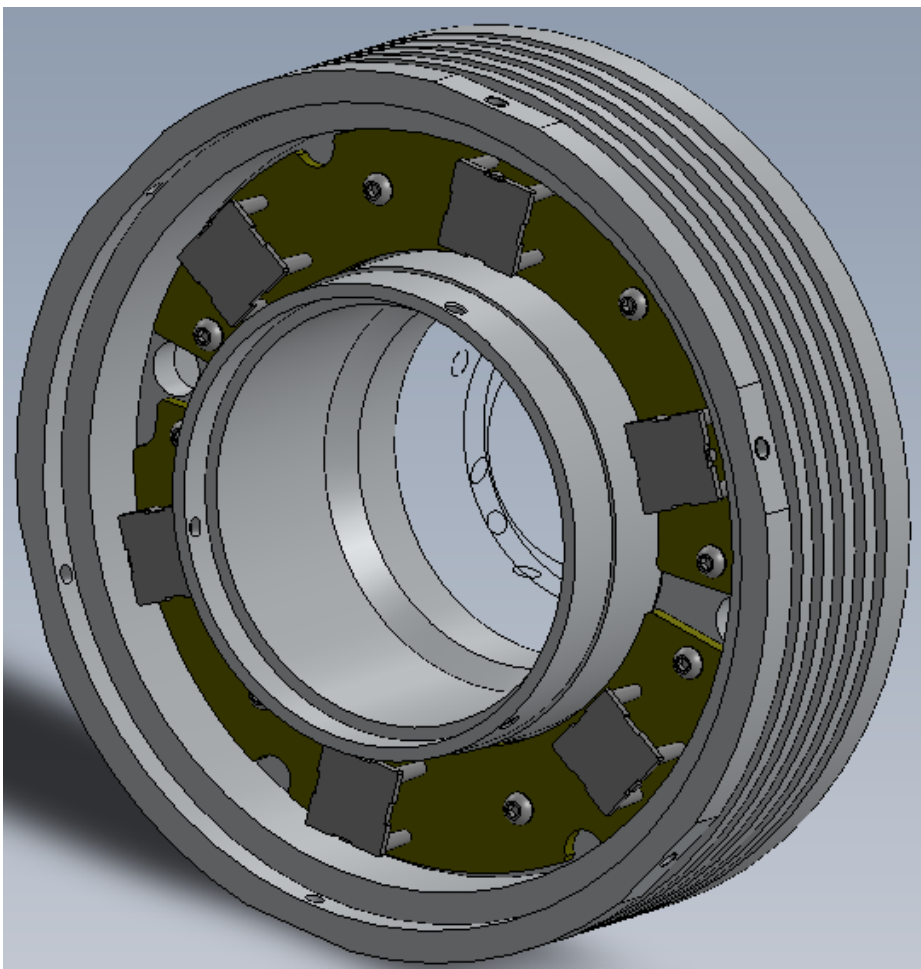
PoE Ring LED Light

IMPERX PoE Ring LED Lights – one cable solution

- One CAT 5e/6 cable interface for Light and Camera

- Input – GigE PoE/PoE+;

- Output – GigE (DATA) and 20V/1A to the cameras

- Small ring size – 87/50 (OD/ID) mm – available now

- Internal or External (PWM) brightness control

  - Continuous optical power – 10,000 lux/0.5m

  - 16 brightness steps

- LED brightness control from the camera

- Easy camera mount

  - Mounting brackets

  - M46/0.75 step ring interface for easy lens mount (optional)

- Thermal shutdown – LED temperature indicator

* PoE LED Patent Pending

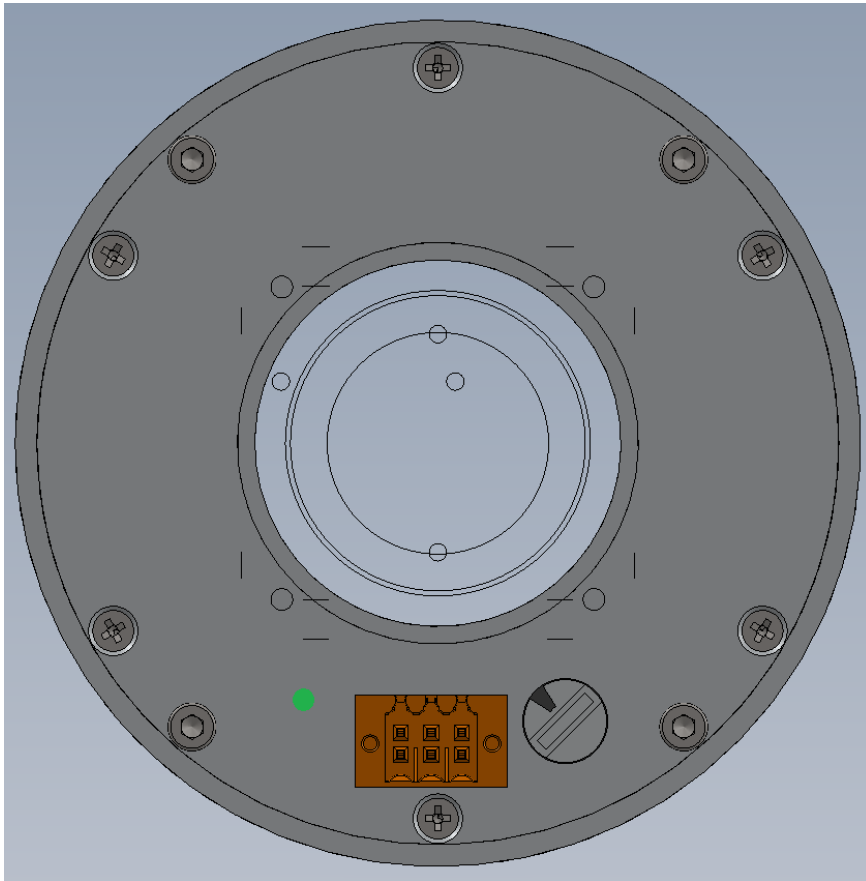## Non PoE Ring LED Light

IMPERX offers a range of Standard Ring LED lights.

Available LED Colors:

- IR – 850 nm
- UV – 365 nm,
- White – 5650K
- RED – 627 nm
- Optional upon request
  - Yellow/Lime – 568 nm
  - Green – 530 nm
  - Blue – 470 nm (447 nm)
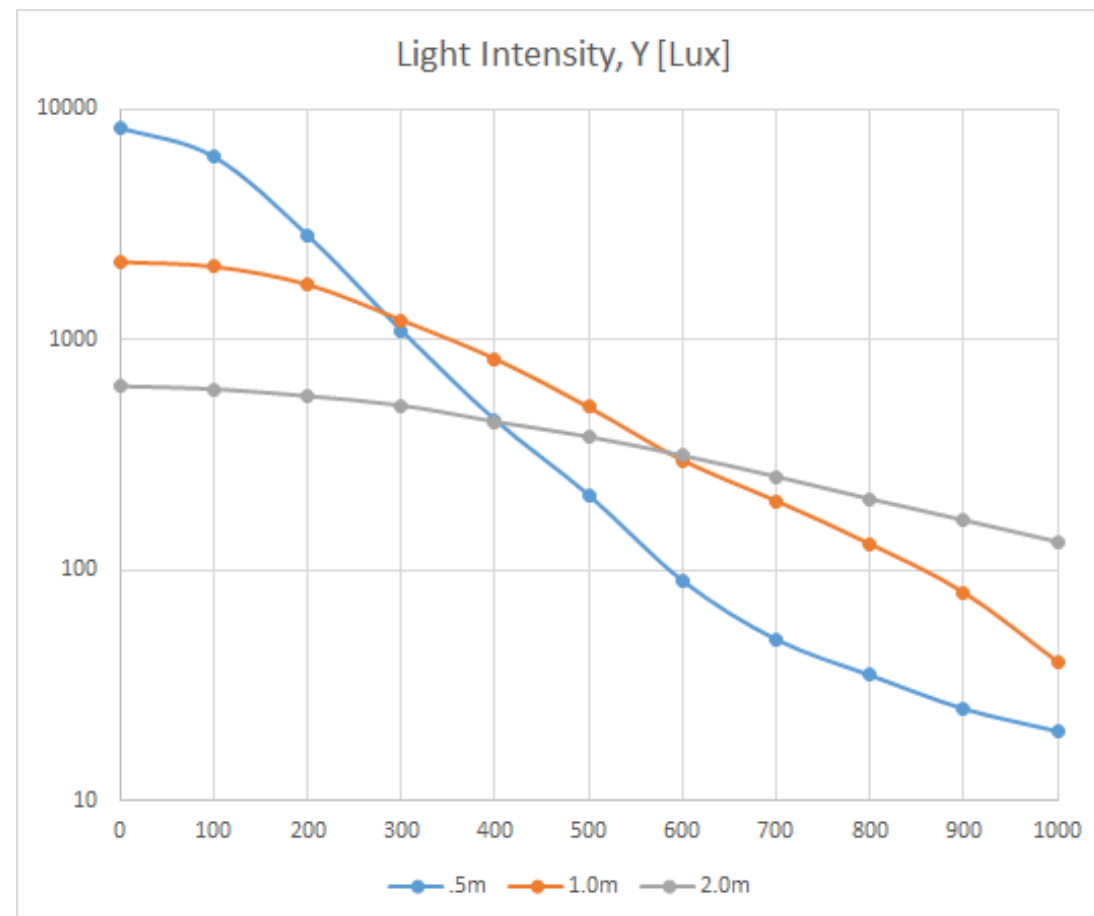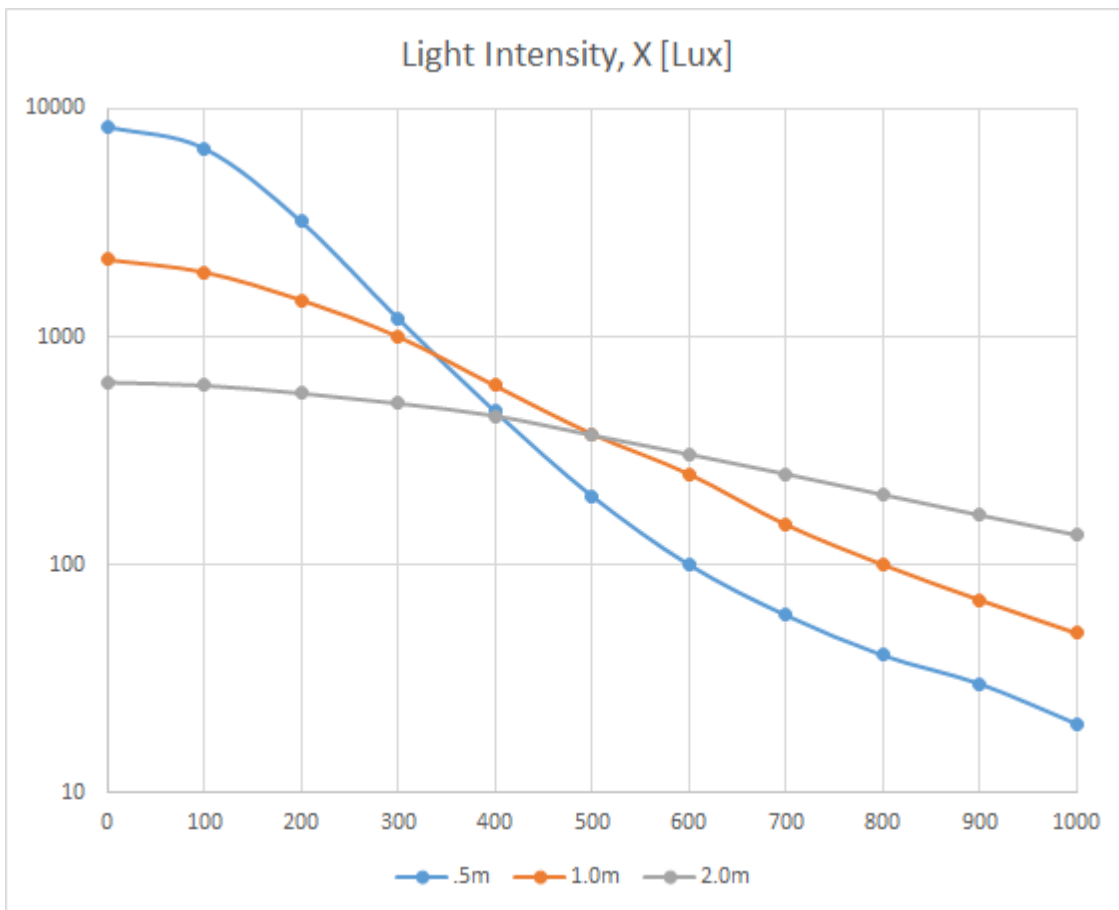
Non PoE LED Ring Light

IMPERX Non PoE Ring LED Lights – universal camera interface

- Provides 12V/2A power to the camera
- LED brightness control from the camera
- Internal or External (PWM) brightness control
  - Continuous optical power – 10,000 lux/0.5m
  - Flash mode – 15,000 lux/0.5m
  - 16 brightness steps
- Two sizes
  - 90/45 (OD/ID) mm – available now
  - 130/80 (OD/ID) mm – coming soon (F mount)
- Thermal shutdown – LED temperature indicator
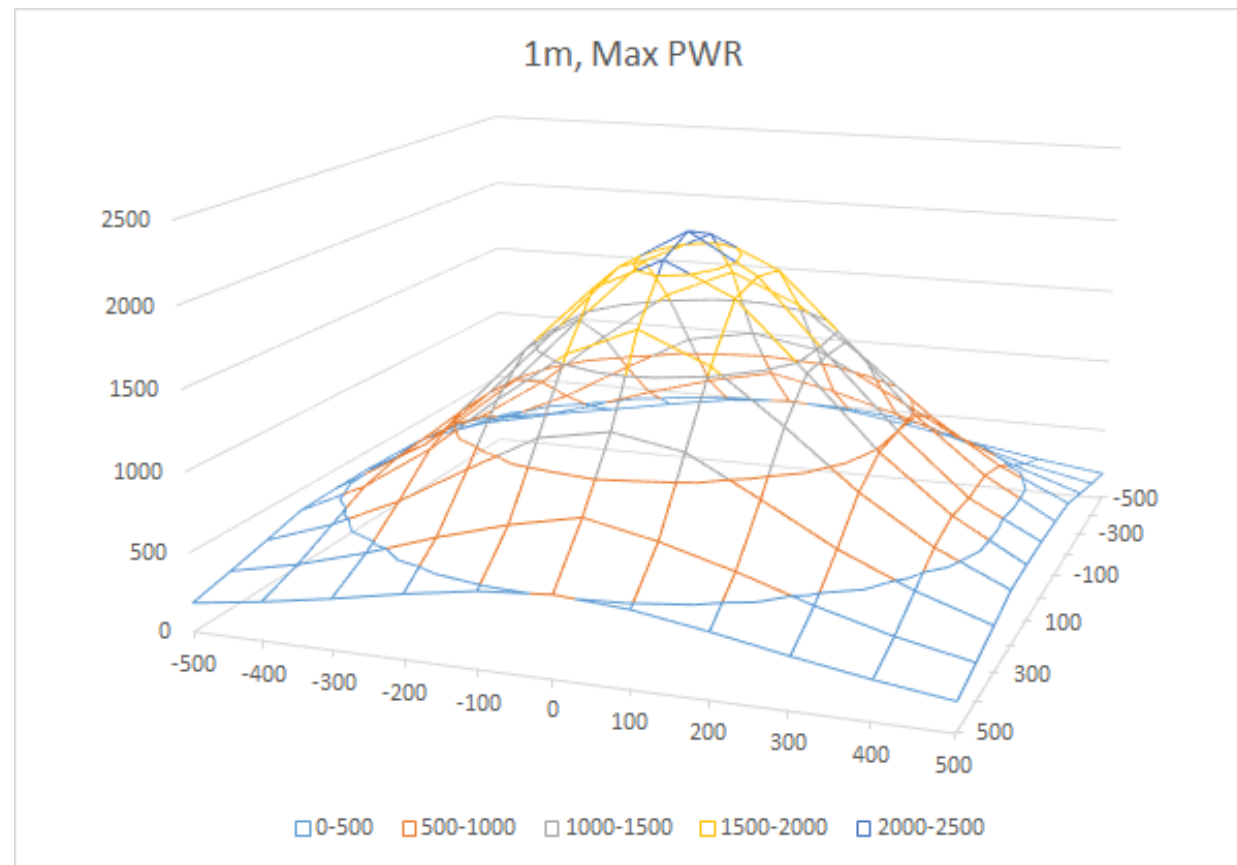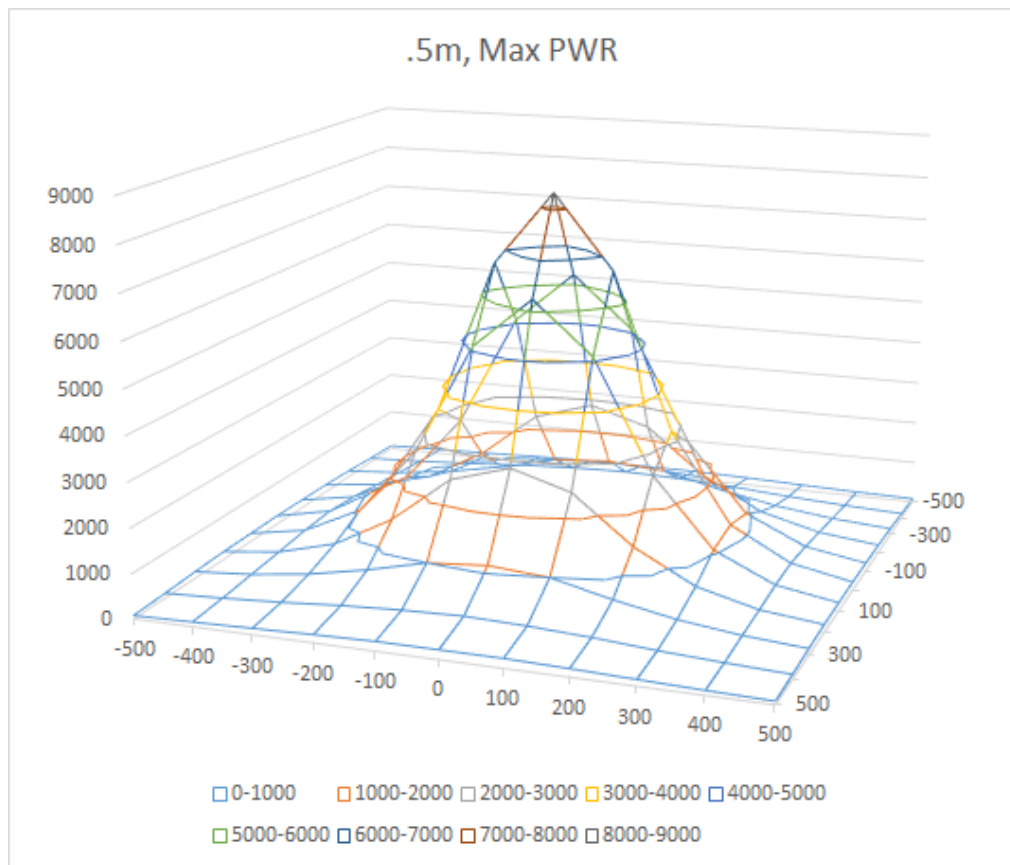- M46/0.75 step ring interface for easy lens mount
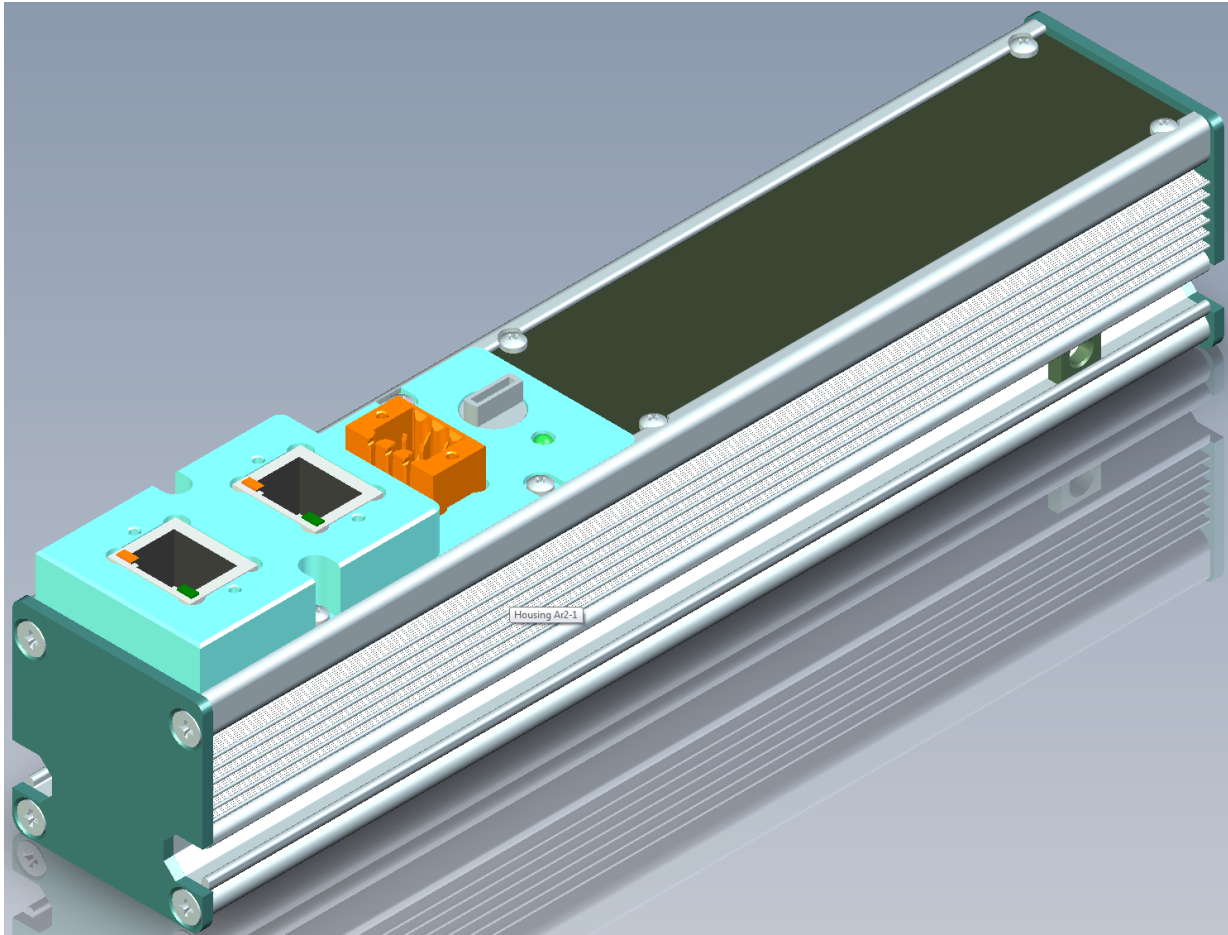
LED Ring Light Distribution

* PoE LED Patent Pending

LED Ring Light Distribution

.5m, Max PWR

1m, Max PWR

* PoE LED Patent Pending

PoE Linear LED Light

IMPERX offers a range of

PoE powered* Linear LED lights.

Available LED Colors:

- IR – 850 nm
- UV – 365 nm,
- White – 5650K
- RED – 627 nm
- Optional upon request
  - Yellow/Lime – 568 nm
  - Green – 530 nm
  - Blue – 470 nm (447 nm)

* PoE LED Patent Pending

PoE Linear LED Light

IMPERX PoE Linear LED Lights – one cable solution

- One CAT 5e/6 cable interface for Light and Camera

- Input – GigE PoE/PoE+;

- Output – GigE (DATA) and 20V/1A to the cameras

- Internal or External (PWM) brightness control
  - Continuous optical power – 10,000 lux/0.5m
  - 16 brightness steps

- LED brightness control from the camera

- 180 mm bar length

- Easy camera mount

- Thermal shutdown – LED temperature indicator

* PoE LED Patent Pending

Non PoE Linear LED Light

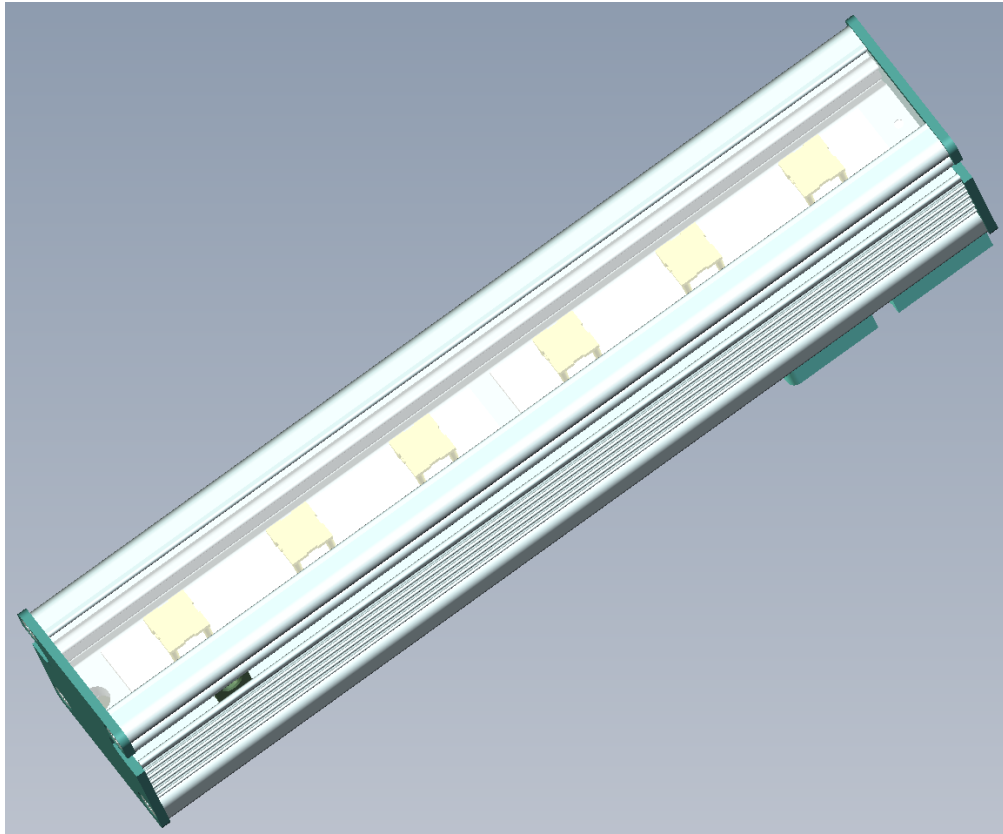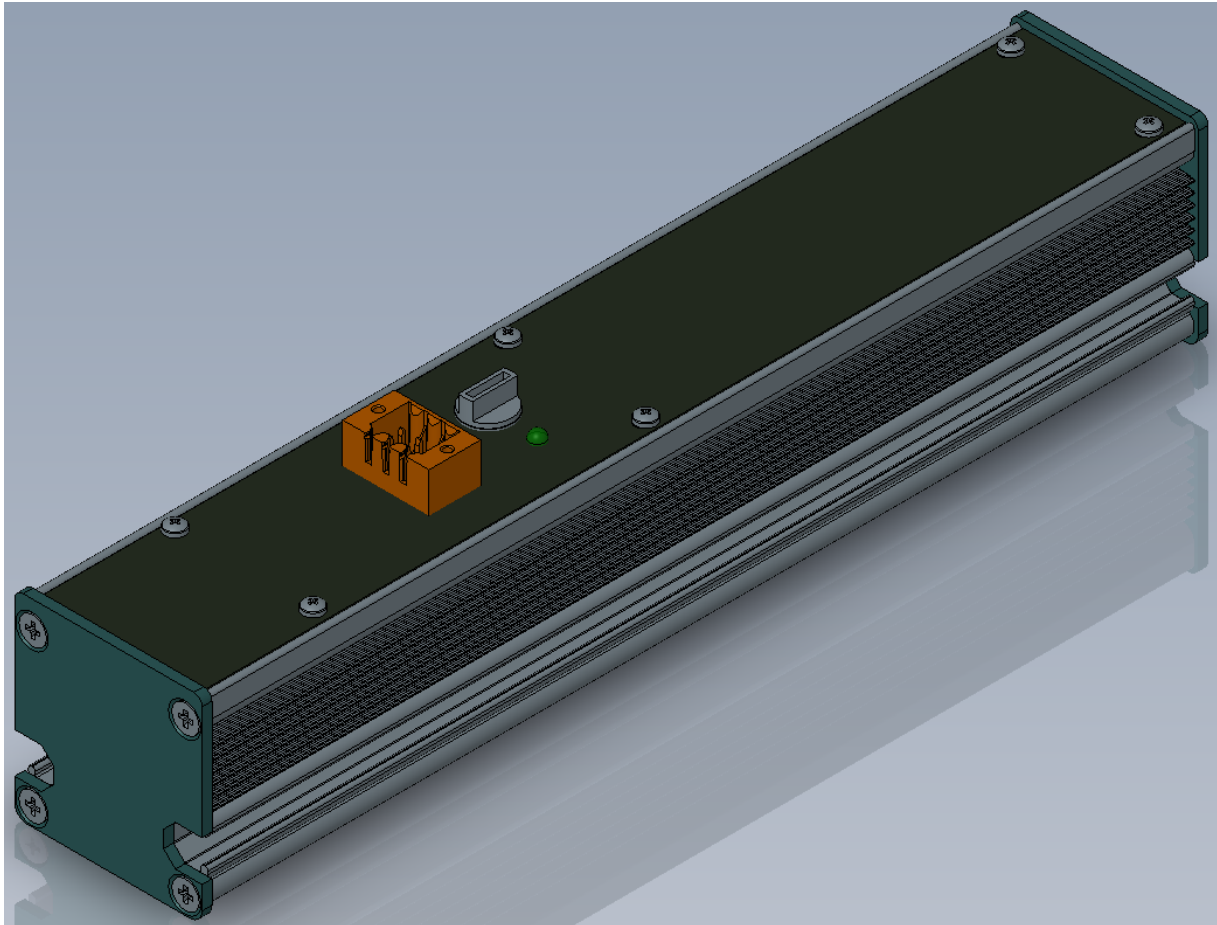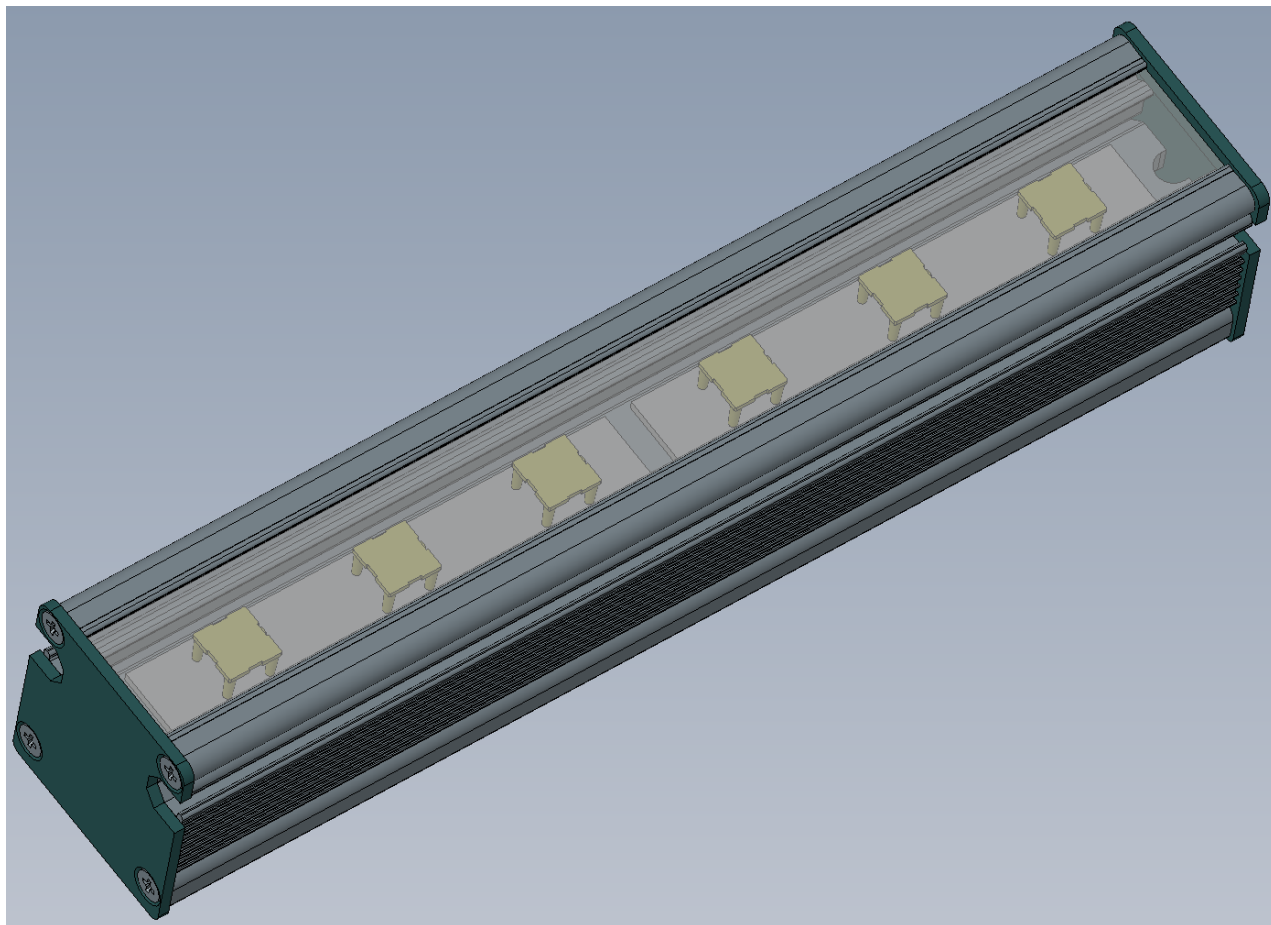IMPERX offers a range of Standard Linear LED lights.

Available LED Colors:

- IR – 850 nm
- UV – 365 nm,
- White – 5650K
- RED – 627 nm
- Optional upon request
  - Yellow/Lime – 568 nm
  - Green – 530 nm
  - Blue – 470 nm (447 nm)

Non PoE Linear LED Light
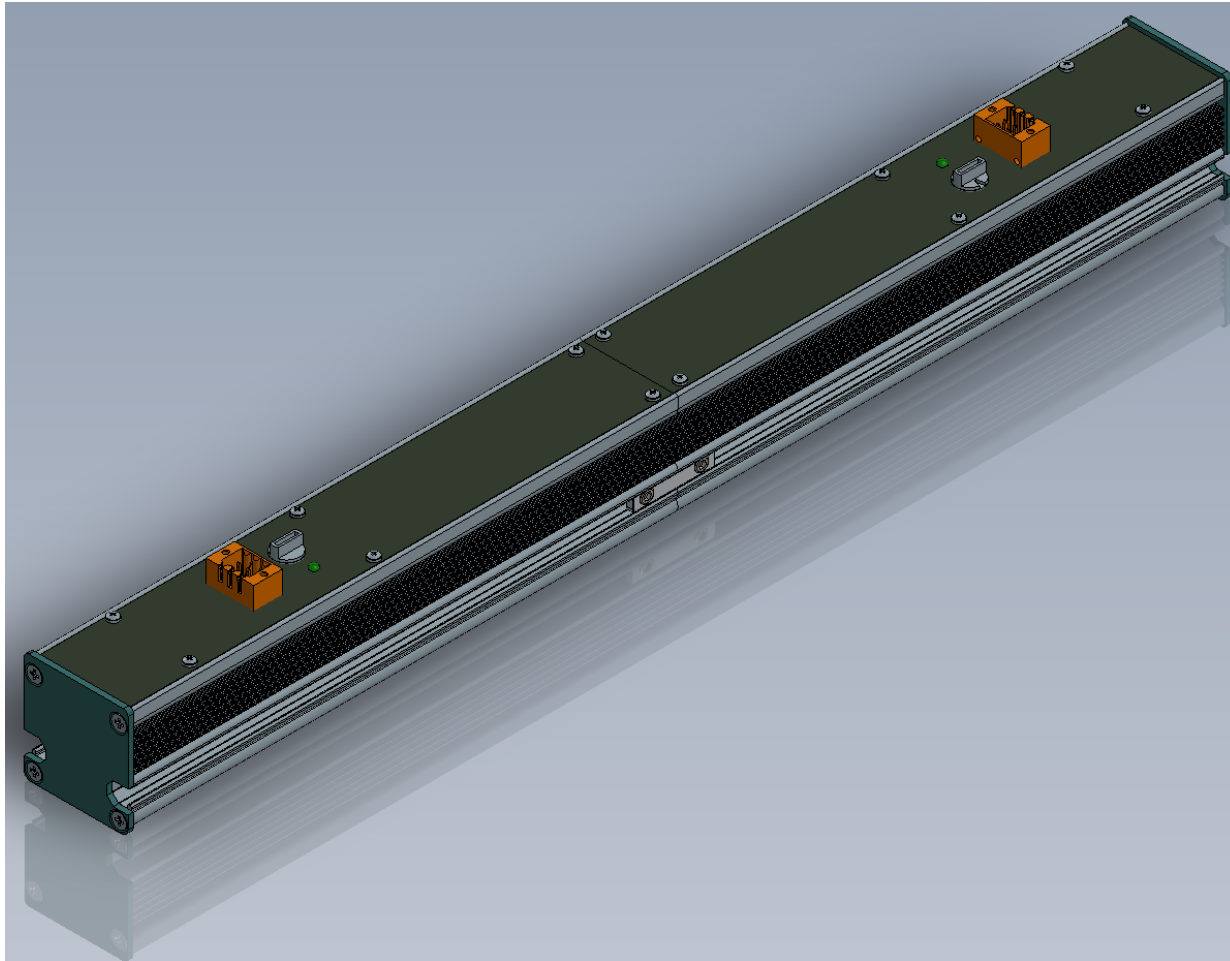

IMPERX Non PoE Linear LED Lights – universal camera interface

- Provides 12V/2A power to the camera
- LED brightness control from the camera
- Internal or External (PWM) brightness control
  - Continuous optical power – 10,000 lux/0.5m
  - Flash mode – 15,000 lux/0.5m
  - 16 brightness steps
- Thermal shutdown – LED temperature indicator
- 180 mm single bar length
- Easy camera mount

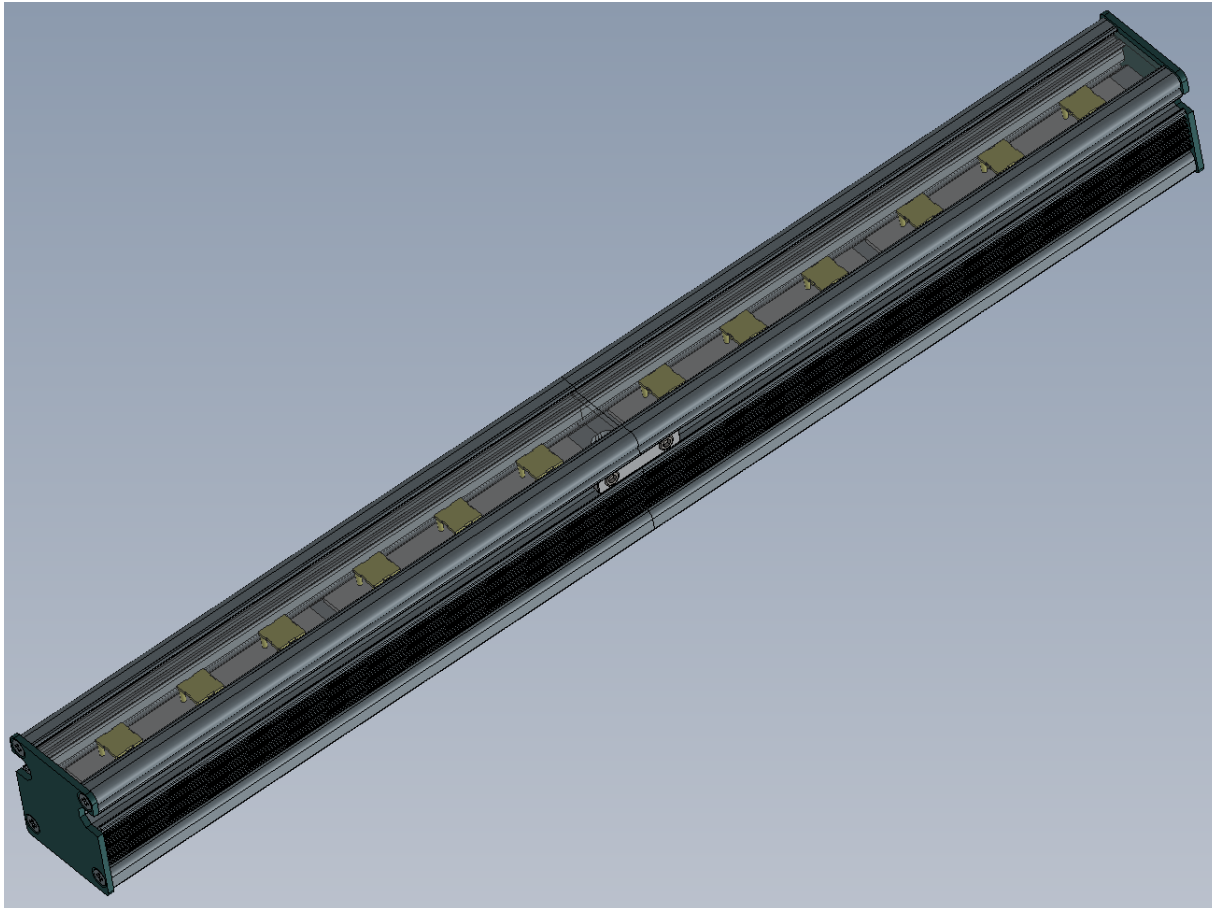SALES MEETING
2015

Stackable Linear LED Light

IMPERX Linear LED Lights – Stackable solution

- Stack as many bars as you need
  - Linear configuration
  - 2-D or 3-D arrangements
- Easy stacking
  - Common internal electrical bus
  - Easy mechanical assembly
- Only one power source required
  - Apply power to any module
  - Powers all modules
- All modules provide 12V/2A power to the camera

SALES MEETING 2015

Stackable Linear LED Light

IMPERX Linear LED Lights – Stackable solution

- Continuous light distribution
- LED brightness control from the camera
  - Apply to any module
  - Control all modules
- External (PWM) brightness control
  - Apply the PWM to any module
  - Controls all modules
  - Individual PWM control possible
- Internal brightness control
  - Individual module brightness adjustment
    - 16 brightness steps
- Thermal shutdown – LED temperature indicator

SALES MEETING
2015

Environmental Enclosures

IMPERX offers a range of environmental enclosures

- **Bobcat Camera Enclosures**
  - IP69 – hermetically sealed enclosures
  - IP67/55 – outdoor enclosures
  - Many options & configurations
- **Two enclosure sizes**
  - 70 mm for all small Bobcat cameras
  - 96 mm for all big Bobcat cameras

Airborne & Space Solutions

Airborne, Space & Underwater Cameras

This universal hermetically sealed, nitrogen filled enclosure, allows any small Bobcat 2.0 to be used in any airborne, space or underwater applications.

- With the internal pre-heating the housing can operate from -80°C to + 85°C
- Suitable for very high altitude applications > 20 km altitude
- DO 160G Compliant (testing in progress)
- Big Bobcat Solution – coming soon

SALES MEETING
2015

LED Light, Camera & Enclosures

PoE LED Light, Camera & Enclosure – one cable solution

This universal enclosure and LED combo allows any Bobcat 2.0 to be used in any a variety machine vision applications.

- Dust & contamination resistant
  - IP 69 Waterproof option available
- One CAT 5e/6 cable interface for Light & Camera
- Input – GigE PoE/PoE+
- Output:
  - GigE (DATA) from the camera
  - 20V/1A to the cameras
- Non PoE option available
- LED brightness control from the camera
  - LED Light On/OFF
  - Brightness PWM control