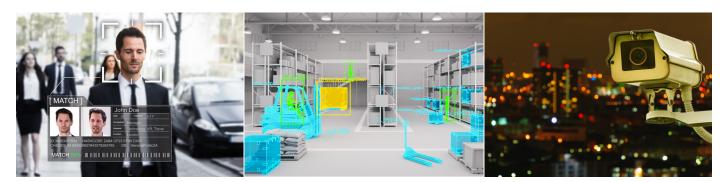


## **INFRARED**





# **LUXEON IR 2720 Line**

High power infrared emitters optimized for cost conscious applications



LUXEON IR 2720 is a line of high power infrared emitters in a reliable package design, affirming long lifetime and robustness in many types of application conditions. The LUXEON IR 2720 Line uses an industry standard footprint for ease of integration and upgrades of existing system designs.

## **FEATURES AND BENEFITS**

Available in 850nm and 940nm wavelengths to provide optimized performance for each type of application

Radiant Power: 1300 mW (850nm) and 1250 mW (940nm) for a greater system performance

 $2.75\,\mathrm{mm}$  x  $2.00\,\mathrm{mm}$  package with a 2 pad configuration that is compatible with the industry standard footprint to enable a direct upgrade in existing designs

## **PRIMARY APPLICATIONS**

Surveillance / CCTV

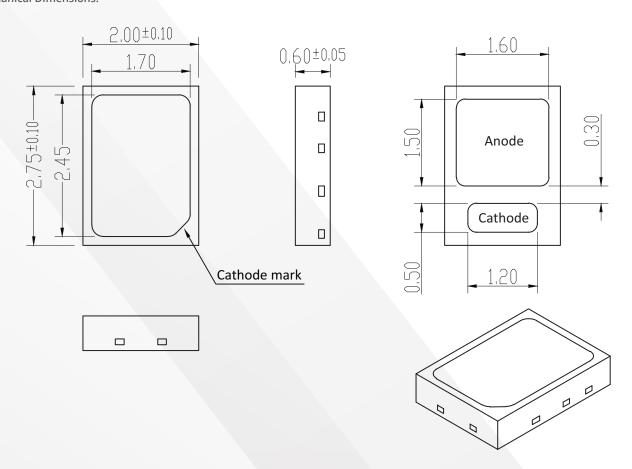
Machine Vision

Biometric Identification

## LUXEON IR 2720 Line product performance at 1000mA, T<sub>i</sub>=25°C.

| TYPICAL FWHM BEAM<br>ANGLE (°) | RADIOMETRIC POWER <sup>[1]</sup> (mW) |         | TYPICAL RADIANT<br>INTENSITY | PART NUMBER        |
|--------------------------------|---------------------------------------|---------|------------------------------|--------------------|
|                                | MINIMUM                               | TYPICAL | (mW/sr)                      |                    |
| 120                            | 1100                                  | 1300    | 420                          | L1IG-0850000000000 |
| 120                            | 1000                                  | 1250    | 408                          | L1IG-0940000000000 |

#### Mechanical Dimensions.



- Drawings are not to scale.
   All dimensions are in the scale. All dimensions are in millimeters.

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<sup>1.</sup> Lumileds maintains a tolerance of ±7% on radiometric power measurements.