

PEOPLE COUNTING

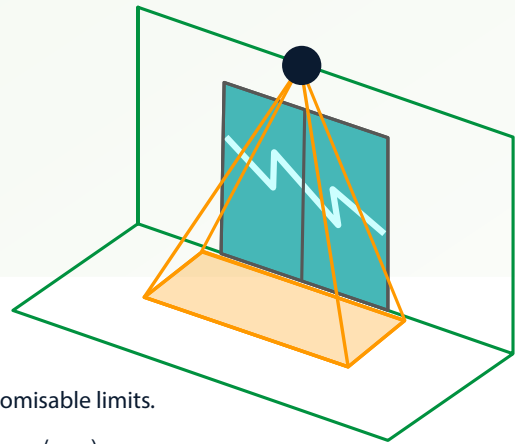
SSA people counting is provided by a stereoscopic sensor which reconstructs a 3-dimensional image through 'height' and 'directional movement' without identification.

The sensor communicates via the Thorlux Lighting SmartScan network independently without intrusion to additional site networks and without influence of the luminous environment (sunlight, objects, colours etc.)

The sensors are supplied non-integral to the luminaires either recessed or surface mounted.



People flow sensor



SUB-METRICS

BEA portal enables notification setting parameters with LIVE customisable limits.

- People counting when crossing a threshold or line (peak/average/sum).
- People counting in areas (peak/average/sum).
- Dwell time & mean dwell time.

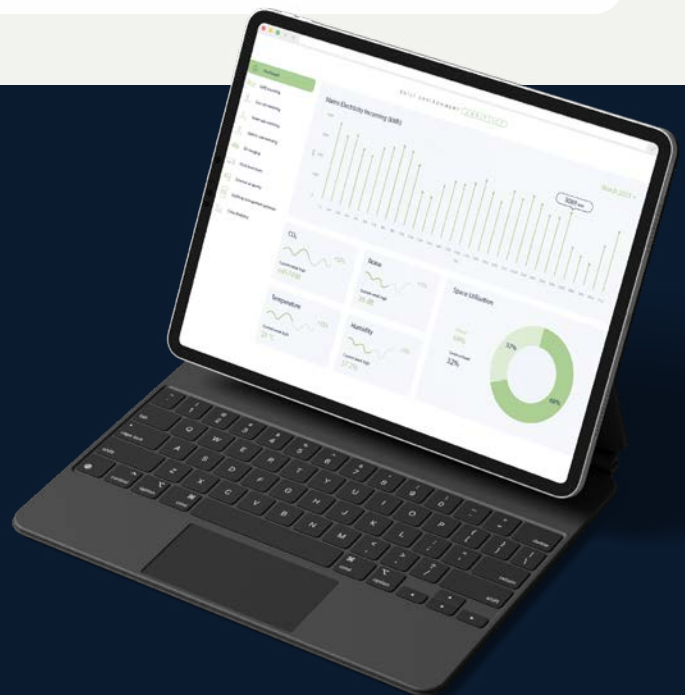
SMARTSCAN ANALYTICS

SmartScan Analytics (SSA) is an online portal that utilises the lighting network to transmit data from either stand-alone or integral sensors & meters.

SSA is a complete digital twin with defined limit notifications, alerts & trend regression, for demand side gains through open-protocol sensors and meters.

SSA records the simultaneous daily conditions & correlates previously known unknown data & metrics, i.e. power, people, movement, air quality etc, as a complete digital shadow.

A digital shadow provides evidential data of everything that happened in the space & adjoining space.





APPLICATIONS

- > People counting with high accuracy for attendance and security applications.
- > People numbering to define an occupancy rate in a space such as a queue.
- > Flow heatmapping to identify hot and cold areas, directions people take, etc.
- > Non-exhaustive applications.

IMAGE ANALYSIS

- > Reconstruction of a map in 3 dimensions allowing for detection height management: minimal, maximal and intermediate (adult/child distinction).
- > No influence during light or colour variations.
- > Better management of strong contrasts.
- > Sensitive to infrared; enables the use of an IR torch in low light conditions.

If it counts,
count it...

Linear metrics can be used to monitor trends, when combined with quantitative or qualitative metrics for cross analytics, further insights can be realised. SSA can measure anything digital or physical, please contact your Thorlux Lighting representative to discuss custom metrics for your business.



Thorlux