

Intelligent Energy-Saving Lighting - High-Level

What is Somar Eluma?

A range of energy-efficient luminaires that use sophisticated photometric design to deliver high lux levels with good quality, evenly distributed light from the latest lamp technology. Performance is further enhanced, in certain models, via an intelligent sensor system that not only monitors and reacts to occupancy but also responds to ambient light. Savings in excess of 80% have been achieved in many cases over traditional lighting.



What is the difference?

Lower connected load

An instant energy-saving of 54% when replacing a standard 400W metal halide or SON luminaire with a Somar Eluma.

Fewer luminaires needed

One Somar Eluma unit can typically replace 2 or 3 traditional fluorescent luminaires, yet still provide higher lux levels.

Additional intelligent control

Somar Eluma luminaires boast a sensor system that can monitor natural light and movement, turning on/off and dimming when required.

Instant strike

Somar Eluma luminaires can be switched on and off as required, and do not need additional time to warm-up and reach full brightness.

What will you notice?

Better quality light

Somar Eluma's high output means that you will notice a better quality light than you might be used to from either a standard fluorescent, metal halide or SON. The light colour from Eluma is a closer spectral match to sunlight.

Consistency

The light output from the lamps used in Somar Eluma luminaires remains consistent compared to metal halide or SON fittings which will dramatically degrade over a period of time, often by 40%.

Cooler

Somar Eluma runs very close to ambient temperature, often reducing load on HVAC systems when replacing inefficient metal halide or SON systems.

Less glare

An even, linear light source with less glare makes for a better working environment, especially for those repeatedly looking up towards the ceiling; such as, for example, a forklift driver.

Where can Somar Eluma be used?

Somar Eluma can provide high quality light across a variety of commercial and industrial settings. Popular locations include:

- Distribution and storage warehouses (ambient and chilled)
- Manufacturing areas
- Repair areas / shipyards / aircraft hangars /
- Bus & train depots
- Warehouse-style retail
- Loading bays
- Leisure facilities (sports halls, etc.)
- Multi-storey car parks
- Train stations

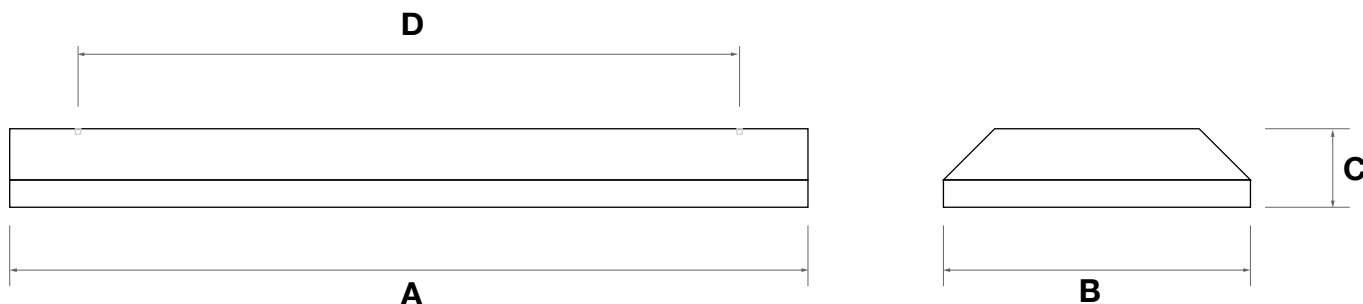


Technical Specifications

Lumen Output	Power (W)	Daylight Sensing	Presence Detection	Emergency (3hr)
20,000	227.5	YES	YES	OPTION

Weight (kg) & Size (mm)

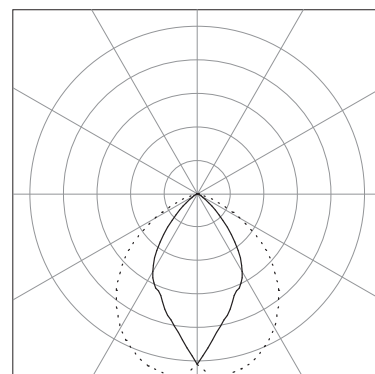
Order code	Weight (kg)	A = Length	B = Width	C = Height	D = Fixing Spacing
SE-EN	9.2	1320	455	135	1014



Additional Information

Gear	High frequency ballasts Class A2
Lamp Colour	840 (Cool white)
Supply Voltage	120V, 220V - 230V, 277V AC
Supply Frequency	50-60Hz
Power Factor	Typically >0.97
Luminaire Wattage (max)	227.5W
Luminous Flux @ 35 C	20,000 Lumens
RFI Suppression	DIN VDE0875, EN55015, CISPR15
Immunity	EN61547
Harmonics	DIN VDE0712 Part 23, EN6100-3-2, EN60929
Operating Temperature Enclosed	Non Dimming Type: -20 C - +50 C Dimming Type: 0 C - +50 C
Operating Temperature Open	Non Dimming Type: +5 C - +50 C Dimming Type: +10 C - +50 C
Relative humidity	95% (Non-condensing)
Storage Temperature	-40 - +60 C (Non-condensing)
IP rating Open (Enclosed)	IP40 (IP54)
Lamp Type	Philips TL5 HO 54W
Lamp Position	Patented Adjustable Multi-Lamp Position
Connection	Internal Fused Terminal Block
Reflector	High purity Miro 4
Sensor	Individually addressable RF sensor
WEEE	Disposal costs included in RRP
Warranties	5 years (Luminaire) / 3 years (Lamp)
Installation height	Typically 4m up to 16m
Max number on a 16A MCB	12 luminaires (C Type)
Fixings	8mm studs or chains

Light Output



— — — — — Transverse
- - - - - Axial

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