

# CLEANLINE Safety Light fittings

GSP-1107-E/B



The Dagard Cleanline Safety luminaires are specifically designed for use in cleanrooms and clean areas for different activities.

This range of luminaires is a double-flush unique design, the thickness corresponding exactly to the thickness of the ceiling. Luminaires are totally integrated in the ceiling, the access for maintenance in the plenum is possible in complete safety. (no risk to hurt any overhanging luminaire).

## Composition

Welded steel structure, White epoxy powder coat finish (close to RAL9010).

- IP65 rated on lower side and IP64 rated on upper side
- Tested to BS 6399-1:1996 Accidental walk-on protection.

Concentrated load of 0.9kN *202 lbf* as recommended for accidental walk-on protection.

- High frequency control gear
- Detachable gear tray
- Variant LED for energy saving
- power supply 220-240V AC - 50/60Hz

Options: Integral 3 hours Emergency, HF Dimmable DSI and Dali, toughened glass

## Technical characteristics

The CLEANLINE Safety luminaires are available to suit panels of thicknesses 60 2.36" to 120 mm 4.72".

Installation is both quick and simple. It can be done by one person. The maintenance is also easy.

The power is supplied from above with a fast connector, no need to open the box.

One can connect multiple fixtures in parallel with quick couplers T-shaped, the connection time of the assembly is extremely small.

The maintenance access takes place via a system of built-in quarter-turn systems particularly easy to handle and waterproof.

Power and lumens of LED:

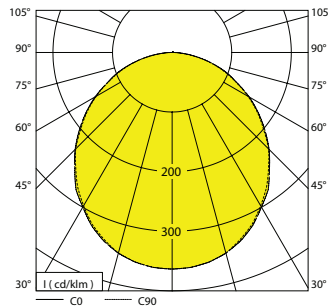


Nominal dimensions		L1	L2	L3	L4	L5	L6	L7
600 x 600 23.6" x 23.6"	power	19.62 W	21.58 W	25.51 W	29.43 W	35.32 W	47.09 W	59.52 W
	lumens	3065 lm	3355 lm	3926 lm	4485 lm	5302 lm	6854 lm	8572 lm
1200 x 300 39.4" x 11.8"	power	23.55 W	35.32 W	47.09 W	62.79 W			
	lumens	3642 lm	5302 lm	6854 lm	9139 lm			

More options available on request refer to the technical file «luminaires».

## Photometry

### CLEANLINE safety Performance



#### Key performance indicators

LI/cw = 127

Power per m<sup>2</sup>/100 lux = 1.21 w

### SAVING ENERGY AND REDUCING PAYBACK PERIOD

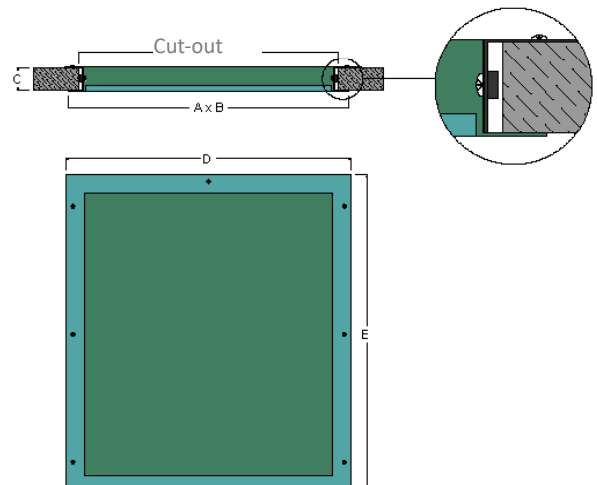
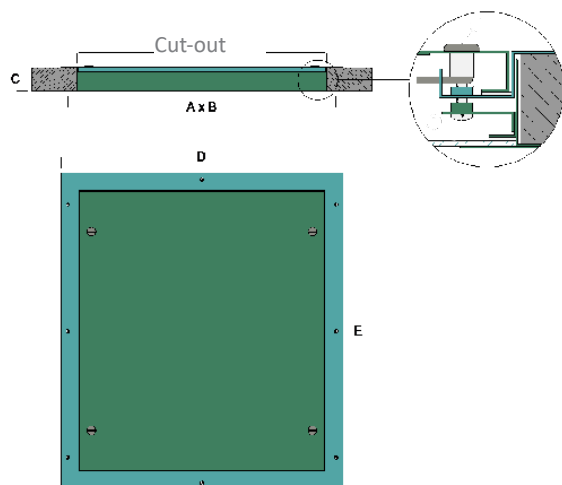
The benefits of LED Cleanline luminaires are :

- Less energy consumed, efficiencies of 127-142 li/cw (luminaire lumens per circuit watt)
- Less luminaires required, saving both luminaire and utilisation cost
- Less CO<sub>2</sub> emissions, efficient lighting reduces carbon emissions.
- Less maintenance, LED lifespan can be over 50,000 hours.
- Increasing savings, LED luminaires meet the criteria for ECA (Enhanced Capital Allowances)
- Instant light, LEDs have no 'run-up' period or re-strike delay.
- Durability, LEDs have no fragile tube or filaments.
- Glass & mercury free, the ideal choice for cleanrooms and foodsafe environments.



With many pharmaceutical manufacturing environments and hospitals operating 24/7 the energy consumption is dramatically reduced, providing increased cost savings and reducing the payback period.

## Installation



#### CLEANLINE safety rear access

A	B	C	D	E	Cut-out
644 mm 25.4"	644 mm 25.4"	50* mm 1.97"	671 mm 26.4"	671 mm 26.4"	605 x 605 mm 23.8" x 23.8"
373 mm 14.7"	1054 mm 41.5"	50* mm 1.97"	400 mm 15.7"	1081 mm 42.6"	333 x 1015 mm 13.1" x 40"

#### CLEANLINE safety dual access

A	B	C	D	E	Cut-out
630 mm 24.8"	630 mm 24.8"	50* mm 1.97"	671 mm 26.4"	671 mm 26.4"	605 x 605 mm 23.8" x 23.8"
359 mm 14.1"	1040 mm 40.9"	50* mm 1.97"	400 mm 15.7"	1081 mm 42.6"	333 x 1015 mm 13.1" x 40"

\* from 50 mm 1.97" to 200 mm 7.87", panel thickness

Luminaires lid tested to BS 6399-1:1996. Minimum concentrated load of 0.9kN 202 lbf as recommended for accidental walk-on protection.