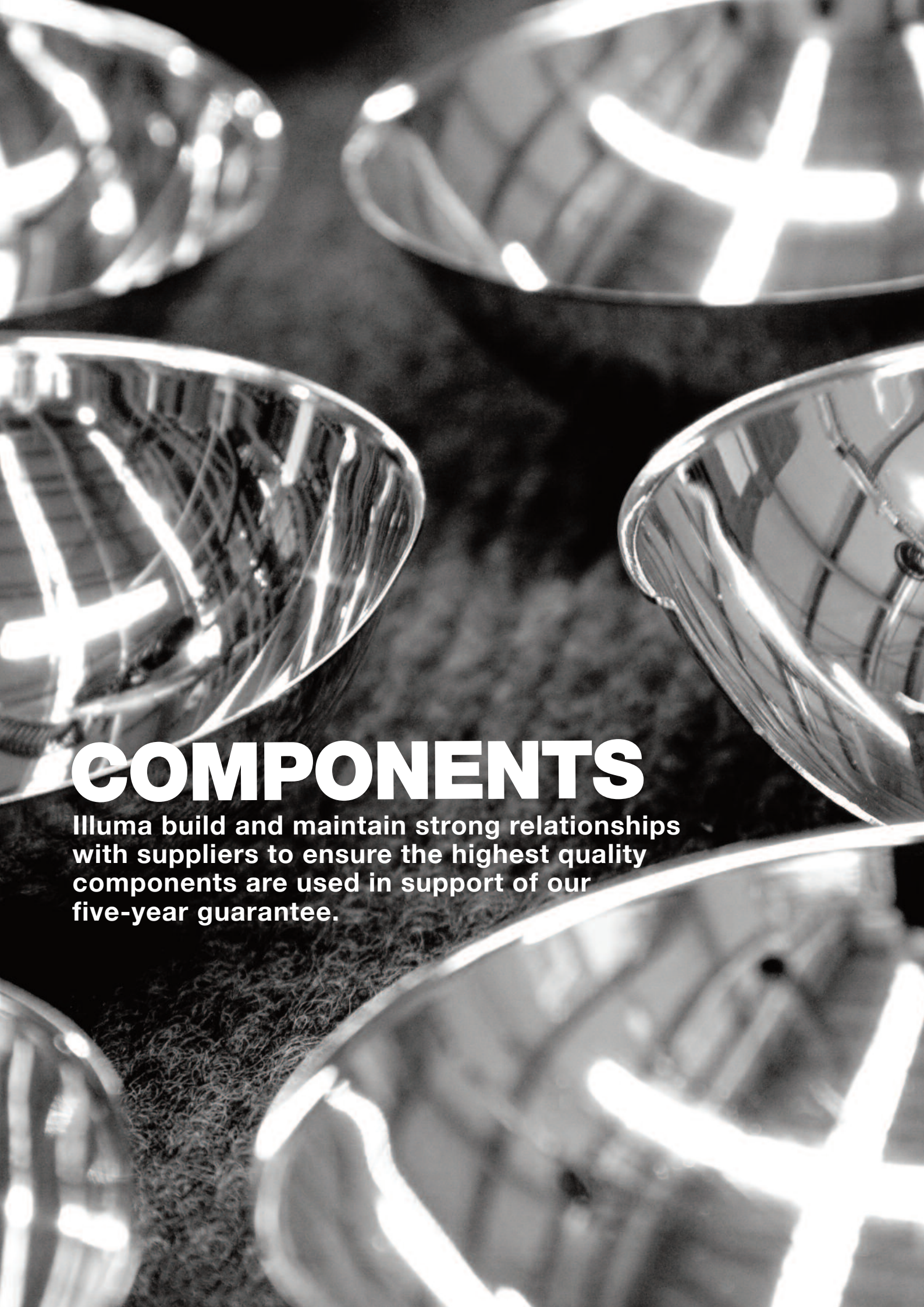


# COMPONENTS

# 08

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# COMPONENTS

Illuma build and maintain strong relationships with suppliers to ensure the highest quality components are used in support of our five-year guarantee.



# TRANSFORMERS & POWER SUPPLIES

Transformers and Power Supplies for Illuma products in SELV (Safety extra low voltage) circuits. Manufactured to all relevant QA standards and EMC recommendations.

## Toroidal Transformer

For use with downlight, surface mounted LV spotlights, and LV track.

LVTB300MOD-WH

RATING (VA)	LAMP LOAD (W)	DIMENSIONS L x W x H	WEIGHT
300	150-300	245 x 197 x 83	4.38kg

- Fusing on primary input
- Thermal cut-out on secondary circuit
- Compatible with inductive load dimmer

## Electronic Transformer

For use with downlight, surface mounted LV spotlights and LV track.

LVTE60  
LVTE105  
LVTE105/ELDD  
LVTE150  
LVTE210

Dali Dimmable

RATING (VA)	LAMP LOAD (W)	DIMENSIONS L x W x H	WEIGHT
60	20-60	150 x 48 x 44	0.126kg
105	35-105	150 x 48 x 36	0.144kg
105	35-105	170 x 45 x 32	0.170kg
150	50-150	225 x 55 x 44	0.350kg
210	100-210	225 x 55 x 44	0.350kg

- Short circuit and overload protection
- Soft start feature to protect lamp filament
- Surge protection up to 1.5kW
- Compatible with all types of dimmer
- Loop in/out primary terminals
- Multiple outlet secondary circuit wiring terminals

## Electronic Power Supply (Constant current)

350mA: FRAMELIGHT 60, \*TUUB, THE O'DRISCOLL

350mA  
350mA  
350mA

PSL03350  
\*PSL12350  
PSL18350

RATING (VA)	LAMP LOAD (W)	DIMENSIONS L x W x H	WEIGHT
3	1-3	55 x 20 x 39	0.030kg
12	6-12	168 x 39 x 30	0.115kg
18	10-18	153 x 31 x 67	0.300kg

700mA: PROJECT 50, MINI TUUB

700mA  
700mA  
700mA

PSL03700  
PSL12700  
PSL18700

- Short circuit and overload protection
- Surge protection
- Plug socket outlet available on all models
- Additional screw termination (except PSL03350 and PSL03700)
- Additional screw termination

### Accessories

PSE2350(1000)	350mA 2 way extension box (1m lead)
PSE6350(1000)	350mA 6 way extension box (1m lead) c/w 3 x PSP350
PSP350	1 x close-loop plug for 350mA
PSE2700(1000)	700mA 2 way extension box (1m lead)
PSE6700(1000)	700mA 6 way extension box (1m lead) c/w 3 x PSP700
PSP700	1 x close-loop plug for 700mA

\*TUUB is only compatible with PSL12350

## Electronic Power Supply (Constant voltage)

For constant voltage illuminated products with LED driver on board – CONCEAL, CAMINO / VIA

\*LEDPSU24020  
\*LEDPSU24100

RATING (VA)	LAMP LOAD (W)	DIMENSIONS L x W x H	WEIGHT
20	1-20	110 x 52 x 24	0.10kg
100	1-100	230 x 65 x 42	0.97kg

- 24V DC characteristic
- Overload protection

\* See product pages for maximum number of units per power supply.

# EMERGENCY PACKS

## General Information – Integral Emergency Packs

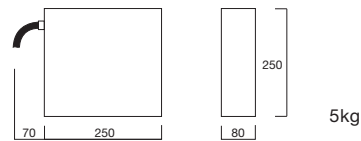
Remote boxes are used where the luminaire can not contain the emergency lighting module for thermal and space problems. The remote box may be distanced up to 1 metre away from the luminaire, and still be considered “self contained”. The remote box is connected to the luminaire by an appropriate flexible fire retardant sleeve or conduit as required. The products have been fully tested to be EMC compliant, thermally tested and CE marked. The modules employed are fully compliant with BS EN 60924/5. The cells are high temperature NiMH types suitable for use at continuous temperatures of 50°C.

## Maintained 3hr Emergency Pack

For use with LV downlight. Suitable for installation where access to ceiling void is possible.

- Operates lamp in mains mode at 12V and in emergency mode at 6V
- Sealed lead acid cell
- Dimming possible with inductive load dimmer
- Incorporates (DDP) deep discharge protection
- Supplied with LED indicator

**ECG6-WH**

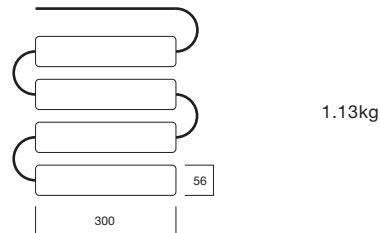


## Maintained Emergency Pack

For use with LV downlight. Suitable for installation through 60mm cut-out.

- Operates lamp in mains mode at 12V and in emergency mode at 6V
- Nickel Cadmium cells
- 20W lamp has 3 hour, and 50W lamp 1 hour emergency mode duration
- Dimming possible with inductive load dimmer
- Supplied with LED indicator

**ECG6TTH**



# DIMMING BALLASTS ELDA & ELDD

Digital Dimming: Illuma, now as standard, incorporates the latest in Dali digital dimming technology so that simple room dimming of compact fluorescent lamps can be achieved very easily at low cost using digital ballasts (suffix /ELDD) push to make mains voltage switches. i.e. one short push of a reactive push to make switch turns the lights on (or off), or if the switch is held down, the light either dims down to its minimum level or up to its maximum (depending upon initial setting) until the switch is released. This system does not require additional interfaces or rotary dimmer switches and can be wired using conventional 4 core (2 x twin and earth) mains cable. More advanced lighting control (proximity detection, lux level sensing, scene setting) can also be incorporated using the digital ballast technology (DSI or DALI), please enquire for further details.

Analogue Dimming: Traditional analogue dimming of compact fluorescent lamps using analogue ballasts (still available but to special order, suffix /ELDA) requires a 1-10V DC control signal (1Vdc = full brightness, 10Vdc = fully dimmed). This has to be provided by a 1-10Vdc analogue dimmer. Both the ballast in the Luminaire and the 1-10Vdc dimmer require a 240 volt supply. The 1-10Vdc output of the dimmer is required to be connected to the dimmable Luminaires in addition to the 240Vac supply.

When using Analogue dimming with Metal Halide products the lamp can only be dimmed down to a minimum of 55% and some colour shift in the lamp may be experienced.