



curie elite

premier IP65/65 non-modular recessed T5 luminaire

Optics

- Lamp options:
 - 4 x 14/24W T5
 - 2 or 4 x 28W T5
 - 2, 3 or 4 x 54W T5
- All optics are TP(a) rated
 - Louvre above 4mm toughened glass
 - Prismatic acrylic above 4mm toughened glass
- Glass front face resists all cleaning chemicals and is recommended in critical aseptic or ACDP category 3 and 4 applications
- Shallow profile extruded aluminium diffuser frame with fully welded and finished corners finished white with a facility to remove and replace glass or diffusers
- Lamps on an interchangeable and rapidly detachable 'four point fix' gear and lamp tray complete with fused terminal block



Body

- Front access & back access version available
 - Back access has a hinged lid and no front frame fixings
- IP65/65 protection, a smooth crevice free front face and rapid maintenance features make Curie ideally suitable for any class of clean room or containment facility requiring a recessed non-modular luminaire up to the most exacting requirement. For FS209D class 100 and 1000 cleanrooms or equivalent and ACDP class 3 and 4
- Suitable for prepared aperture ceilings and sandwich panels with capped aperture reinforcements up to a depth of 91mm front and 108mm back access with standard brackets or 155mm front and 172mm back access with special deep ceiling bracket
- Dual IP rated – to a BSI tested and certified construction as protecting the room to IP65 from void contamination with the front frame on or off
- Triple flipper thermoplastic rubber seal with welded corners to best cope with ceiling irregularity and maintain maximum room integrity
- Steel fully welded and finished body finished white
- Solid aluminium side arm jacking brackets adjusted from within the sealed body – front access/from the room above back access

ORDER CODES

Curie Elite Louvre Above Glass	HF Gear	3 hr Emergency
T5 4 x 14W	CUWGH414	CUWGH414EMIN
T5 4 x 24W	CUWGH424	CUWGH424EMIN
T5 2 x 28W	CUWGH228	CUWGH228EMIN
T5 4 x 28W	CUWGH428	CUWGH428EMIN
T5 2 x 54W	CUWGH254	CUWGH254EMIN
T5 4 x 54W	CUWGH454	CUWGH454EMIN

Curie Elite Prismatic Acrylic Above Glass	HF Gear	3 hr Emergency
T5 4 x 14W	CUAGH414	CUAGH414EMIN
T5 4 x 24W	CUAGH424	CUAGH424EMIN
T5 2 x 28W	CUAGH228	CUAGH228EMIN
T5 4 x 28W	CUAGH428	CUAGH428EMIN
T5 2 x 54W	CUAGH254	CUAGH254EMIN
T5 3 x 54W	CUAGH354	CUAGH354EMIN
T5 4 x 54W	CUAGH454	CUAGH454EMIN

Options

DALI DIMMING	Replace H with Y in order code	i.e. CUWGY414
DSI DIMMING	Replace H with D in order code	i.e. CUWGD414
SWITCH DIMMING	Replace H with X in order code	i.e. CUWGX414
EASYTEST	Add suffix /ET to order code	i.e. CUWGH414/ET
COMET	Add suffix /CT to order code	i.e. CUWGH414/CT
BACK ACCESS	Add suffix BA to order code	i.e. CUWGH414BA
	For Emergency	i.e. CUWGH414BAEMIN
DEEP CEILING BRACKET	14/24W lamps	150CBKT600
DEEP CEILING BRACKET	28/54W lamps	150CBKT1200

Ceiling Depth Selection Guide

	Standard Bracket	Optional Deep Bracket
Front Access	33-91mm	33-155mm
Back Access	52-108mm	52-172mm

LAMP PERFORMANCE

Wattage	IL@25°C	Lamp Life
1 x 14W T5	1200	24,000hrs
1 x 24W T5	1750	24,000hrs
1 x 28W T5	2600	24,000hrs
1 x 54W T5	4450	24,000hrs

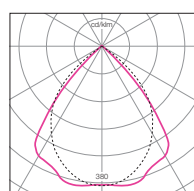
CEILING INTEGRATION

Refer to common ceiling compatibility matrix – See page 310

Plasterboard

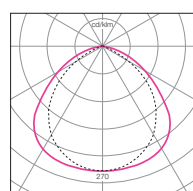
Prepared aperture

PHOTOMETRIC PERFORMANCE



4 x 14W T5
Louvre/Glass

- LOR = 57.7%
- SHR MAX = 1.55



4 x 14W T5
Prismatic/Glass

- LOR = 63.3%
- SHR MAX = 1.72

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.47	0.60	0.62

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.48	0.64	0.67



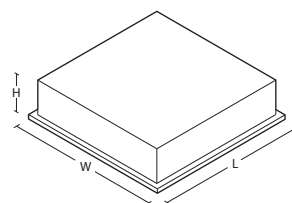
Curie Elite Louvre



Solid aluminium jacking bracket

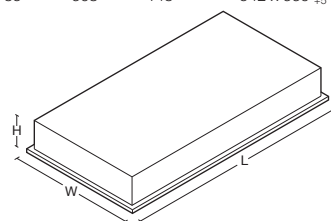
DIMENSIONS

4 x 14/24W



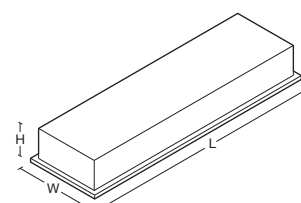
Version	L	W	H	Prepared Aperture	KG	KG
Front Access	735	608	123	542 x 669 ^{-0/+5}	18.5	19.5
Back Access	735	608	143	542 x 669 ^{-0/+5}	19.5	20.5

4 x 28/54W
3 x 54W



Version	L	W	H	Prepared Aperture	KG	KG
Front Access	1335	608	123	542 x 1269 ^{-0/+5}	28.0	29.0
Back Access	1335	608	143	542 x 1269 ^{-0/+5}	29.0	30.0

2 x 28/54W



Version	L	W	H	Prepared Aperture	KG	KG
Front Access	1335	375	123	309 x 1269 ^{-0/+5}	18.0	19.0
Back Access	1335	375	143	309 x 1269 ^{-0/+5}	19.0	20.0

PERFORMANCE GUIDE

Lamps	Illuminance	Spacing
4 x 14W T5	465 lux	2.4m x 2.4m

Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

TO SPECIFY

Recessed non-modular front (back) access T5 clean room luminaire for cut/prepared aperture ceilings. To a BSI tested and certified construction as IP65 frame on or off with fully welded body and front frame corners and triple contact welded TPR gasket. Concealed or no front frame fixings, suspension via solid aluminium jacking bracket adjusted from (inside – front access, outside – back access) the luminaire – as Whitecroft Lighting CURIE ELITE