

curie/jenner hazardous

Clean area: IP65/65 Non-modular/modular, Ex-e recessed ATEX category 2, zone 1 application, clean room luminaire

APPLICATION

Clean Room

- Pharmaceutical
- Areas where both exacting clean room and hazardous requirements must be satisfied with the reassurance provided by the combined expertise of Whitecroft and Chalmit who are both leaders in their field
- Suitable for any class of clean room or containment facility, for non modular or cut aperture ceiling (Curie) or modular ceiling (Jenner)
- Zone 1 and Zone 2 areas to EN 60079-10 and EN 50281-3 with installation to EN 60079-14 and EN 50281-1-2
- ATEX classification, group II category 2 G D

SPECIFICATION

Body and Frame

- Dual IP rated. IP65 to the void is retained with the frame either on or off. Body and frame corners are fully welded and finished to a smooth finish
- Body in 0.9mm zintec steel, frames in extruded aluminium, both painted to a depth of 120 micron stoved hard at 160-180°C for durable protection
- Visible frame finished RAL 9016
- Optics – 4 options; 3mm clear and 3mm prismatic polycarbonate (CP), 4mm toughened glass and 3mm prismatic acrylic (TA), clear polycarbonate (CW) or toughened glass (TW) with Cat 2 louvre. (Ref appears in product code)
- Smooth, easily cleanable face always room-side. All options are Tp(a) 850°C fire rated
- Side support brackets in extruded aluminium assist in pulling up the luminaire to ensure the required compression of seals against the ceiling
- High frequency gear (and integral emergency when required) is mounted on a detachable gear tray
- Electrical supply 220-254V 50/60Hz can also be 220-300V dc (non emergency only)
- 3 hour emergency option. Output 30% of one lamp – 18W and 25% of one lamp 36W
- Battery management monitoring and automatic self test
- Supplied without lamps (4000K tri-phosphor recommended for clean areas)

Curie Only

- 3 point TPR gasket integrated in frame periphery to cope with irregularities in non-modular cut aperture ceilings. Fixing range from the underside of the ceiling 32-102mm
- Solid extruded aluminium jacking brackets adjusted using the nuts under the step inside the fully sealed body
- Concealed front frame fixings for a highly cleanable front face

Jenner Only

- Pivoting extruded aluminium cam profile side suspension arms are fitted, adjusted and screwed and locked in position from outside the sealed body
- Closed cell gaskets are employed throughout



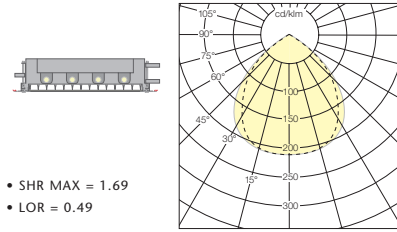
Certification

Type of protection	– Ex eqm (Increased safety, Powder filling encapsulation) Dust protected enclosure
ATEX classification	– Group II Category 2 G D
Area classification	– Zone 1 and Zone 2 areas to EN 60079-10 and EN 50281-3 with installation to EN60079-14 and EN 50281-1-2
Apparatus standard	– EN50014, EN50017, EN50019, EN50028
Certificate	– EC Type Examination Certificate Baseefa 02ATEX0117X
Coding	– ⓧ II 2 G D Ex eqm II T4 Tamb 70°C

PHOTOMETRY

Curie Hazardous

TOUGHENED GLASS & PRISMATIC ACRYLIC
4 x 18W T8 Lamps

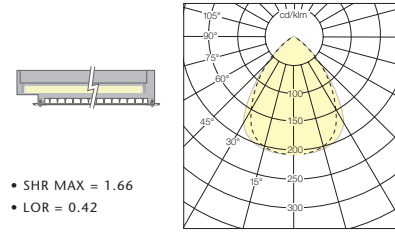


UTILISATION FACTORS UF(F) SHR NOM = 1.50

Room Reflectance Room Index	C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
0.70	0.50	0.20	0.34	0.38	0.41	0.43	0.46	0.48	0.50	0.51	0.52	
0.50	0.30	0.20	0.30	0.34	0.37	0.40	0.43	0.45	0.46	0.48	0.49	
0.00	0.00	0.00	0.27	0.31	0.37	0.36	0.39	0.40	0.42	0.43	0.45	

Jenner Hazardous

CLEAR POLYCARB & PRISMATIC POLYCARB
4 x 18W T8 Lamps



UTILISATION FACTORS UF(F) SHR NOM = 1.50

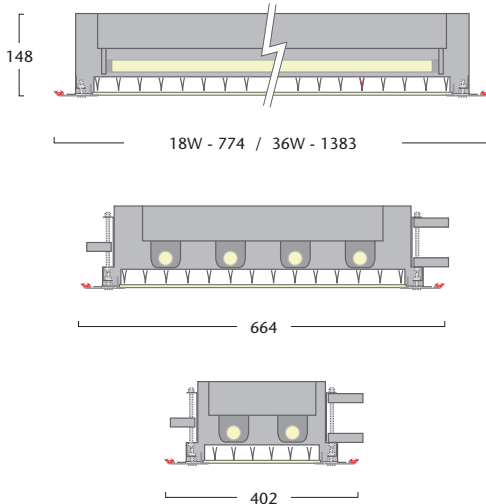
Room Reflectance Room Index	C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
0.70	0.50	0.20	0.30	0.33	0.36	0.38	0.40	0.41	0.42	0.44	0.45	
0.50	0.30	0.20	0.28	0.30	0.33	0.35	0.37	0.38	0.40	0.41	0.42	
0.00	0.00	0.00	0.25	0.28	0.30	0.32	0.34	0.35	0.36	0.37	0.38	

LAMP PERFORMANCE MATRIX

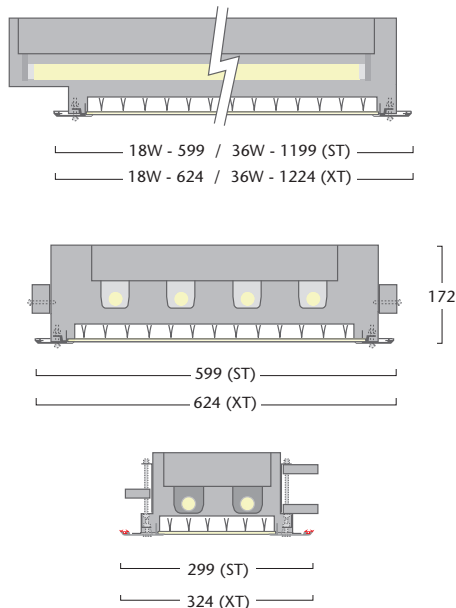
WATTAGE	IL@25°C	LAMP LIFE
1 x 18W T8	1350	15,000
1 x 36W T8	3350	15,000

DIMENSIONS

Curie – Non-modular



Jenner – Modular



Note: On exposed T (XT) the Jenner engages on the far side of the T-bar, the dimensions shown are from the T-bar edges

ORDER CODES – CURIE/JENNER HAZARDOUS

IP65/65 NON-MODULAR/MODULAR HAZARDOUS CLEAN AREA

SUPPLIED LESS LAMP	CUT APERTURES	BASE ORDER CODE Curie Non-Modular/ cut aperture
4 x 18W	Curie	580 x 710mm
2 x 36W	Curie	338 x 1319mm
4 x 36W	Curie	580 x 1319mm

SUPPLIED LESS LAMP	BASE ORDER CODE Jenner Modular exposed and spring T
4 x 18W	Jenner
2 x 36W	Jenner
4 x 36W	Jenner

OPTIC NEEDED In place of - - in base order code insert optic, all are Tp(a) 850°C fire rated

CP	Clear flat polycarbonate sheet below a prismatic polycarbonate sheet
CW	Clear flat polycarbonate sheet below a Cat 2 louver
TA	4mm flat toughened glass below a prismatic acrylic sheet
TW	4mm flat toughened glass below a Cat 2 louver

If there is a concern chemicals may be present which could attack polycarbonate either use toughened glass or check with the Whitecroft technical helpline

CEILING TYPE in place of ##, please insert

XT	If the modular ceiling is exposed T25
ST	If the modular ceiling is spring T

RECESSING PANEL to retain room integrity on spring T ceilings – Order separately as **RP600x600** (for 18W lamp options), **RP300x1200** (for 36W 'twin' lamp options) and **RP600x1200** (for 36W 'four' lamp options)

EMERGENCY Add suffixes to the end of the above order codes in the order listed

E3	3 hour integral emergency complete with battery management and automatic self test as standard
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To specify state:

Recessed non-modular clean area luminaire for cut/prepared aperture ceilings. BSI tested and certified to IP65 front frame on or off. ATEX classification – Group II Category 2 G D, type of protection Ex eqm. Suspension via swing out jacking brackets adjusted from inside the luminaire, 3 point TPR gasket to ceiling – as Whitecroft Lighting CURIE HAZARDOUS

To specify state:

Recessed modular clean area luminaire for T25 exposed T and spring T ceilings. IP65 front frame on or off. ATEX classification – Group II Category 2 G D, type of protection Ex eqm. Suspension via aluminium cam brackets adjusted from outside the luminaire – as Whitecroft Lighting JENNER HAZARDOUS