

Curie Hazardous

MOTIVATION

A specialist design with innovative features for explosive or potentially explosive environments

APPLICATION

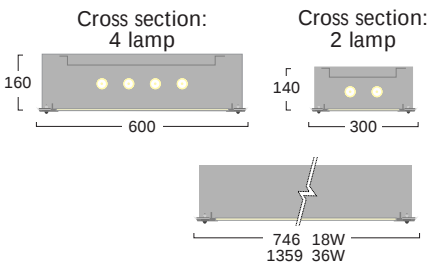
- Suitable for all classes of room with cut and prepared aperture ceilings
- Pharmaceutical Clean Rooms and containment facilities where a hazardous environment exists
- Zone 1 Ex e – in which an explosive atmosphere is likely to occur in normal operation
- Zone 2 Ex n – in which an explosive atmosphere is not likely to occur in normal operation, if it occurs it will exist only for a short time

SPECIFICATION

- BSI tested and certified IP65/65

	Curie Ex e	Curie Ex n
Certification authority	BASEEFA	BASEEFA
Principal protection method	Ex e	Ex n
Apparatus standard	BS EN 50019:1994 BS EN 50014:1992	EN 50021
Coding	Ⓔ 2G Ex e A2CTA	Ⓔ II 3G Ex n A2TA
Product Standard	BS EN 60598:1997	BS EN 60598:1997
Lamp types	T8 T12 (G13 & Fa6caps)	T8 T12
Voltage rating & frequency	110-130V, 220-277V 47-63Hz 110-130DC, 220-277DC	220-240V 50/60Hz
T rating	T4	T4
T amb	40°C	40°C
IP rating (to IP standard)	Min. IP54 to EN60529	Min. IP54 to EN60529
Product rating	IP65 to BSEN60598-1:1993	IP65 to BSEN60598-1:1993
Certificate	BAS99Y3020	BAS98ATEX3235

In certain circumstances, non hazardous 'back' access luminaires can be used in zoned areas 'provided' the luminaire is independently certified to IP65 and the room above is not zoned. Approval of the appropriate zoning committee must be obtained.

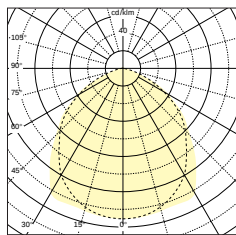


Curie Hazardous

PRISMATIC & CLEAR POLYCARBONATE DIFFUSER
2 x 36W T8 Lamps



- SHR MAX = 1.65
- DLOR = 0.419
- SHR TR MAX = 1.88



UTILISATION FACTORS UF(F)		SHR NOM=1.50										
Room Reflectance		Room Index										
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.28	0.32	0.35	0.37	0.39	0.41	0.42	0.44	0.45	
0.50	0.30	0.20	0.25	0.29	0.31	0.33	0.36	0.38	0.39	0.41	0.42	
0.00	0.00	0.00	0.23	0.26	0.28	0.30	0.33	0.34	0.35	0.37	0.38	

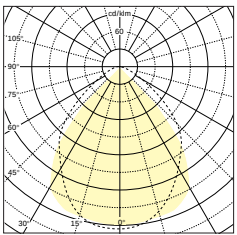
CONVERSION TABLE FOR LAMP OPTIONS		
Lamp Length	0.6m	1.2m
Lamp wattage	18W	36W
UF and PC	0.97	0.98

Curie Hazardous

PRISMATIC & CLEAR POLYCARBONATE DIFFUSER
4 x 36W T8 Lamps



- SHR MAX = 1.66
- DLOR = 0.501
- SHR TR MAX = 1.88



UTILISATION FACTORS UF(F)		SHR NOM=1.50										
Room Reflectance		Room Index										
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.34	0.38	0.41	0.44	0.47	0.49	0.50	0.52	0.53	
0.50	0.30	0.20	0.30	0.34	0.38	0.40	0.43	0.45	0.47	0.49	0.50	
0.00	0.00	0.00	0.27	0.31	0.34	0.36	0.39	0.41	0.42	0.44	0.45	

CONVERSION TABLE FOR LAMP OPTIONS		
Lamp Length	0.6m	1.2m
Lamp wattage	18W	36W
UF and PC	0.98	1.00

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ORDER CODES

ZONE 1 & ZONE 2 HAZARDOUS AREAS SUITABLE FOR CUT APERTURE CEILINGS

ZONE 1	ZONE 2	OPTIC/DIFFUSER	SUPPLIED LESS LAMP
CRZ1218	CRZ2218	Prismatic and clear polycarbonate diffuser	2 x 18W T8
CRZ1418	CRZ2418		4 x 18W T8
CRZ1236	CRZ2236		2 x 36W T8
CRZ1436	CRZ2436		4 x 36W T8

EMERGENCY Add suffix to order codes above

E 3 hour integral emergency

To specify state:
Recessed non modular luminaire for cut/prepared aperture ceilings BSI tested and certified IP65 with frame on and off. BASEEFA tested and certified. Suitable for Zone 1 Ex e (Zone 2 Ex e) environments – as Whitcroft Lighting - CURIE HAZARDOUS.