

Lamina

MOTIVATION

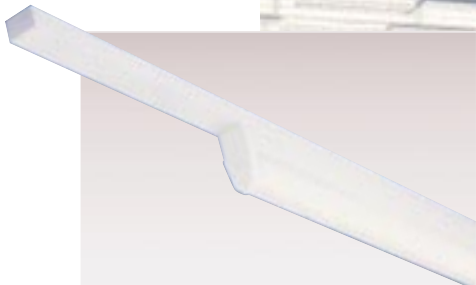
A specialist design for rooms where minimal disturbance to vertical unidirectional airflow is a priority

APPLICATION

- Clean Rooms FS209D Class 1, Class 10, and Class 100
- Micro electronic industry
- Other zones with vertical unidirectional airflow

SPECIFICATION

- Designed to cause the minimum possible disturbance to laminar air flow, to meet the demands of the micro-electronic industry
- Independently tested by Diamond Scientific Ltd.
- Individual or continuous mounting direct to T bar, or continuous trunking system
- High frequency control gear
- UV absorbent DEGALON diffuser with Polycarbonate as an option
- Dimensions allow for filter sleeve for Photosensitive application
- Rapidly detachable gear tray, minimising disruption to the room and off line maintenance
- Fully integrated emergency
- Extruded aluminium body finished RAL9016
- Supplied without lamp



LAMD158

Changing area, micro electronic factory

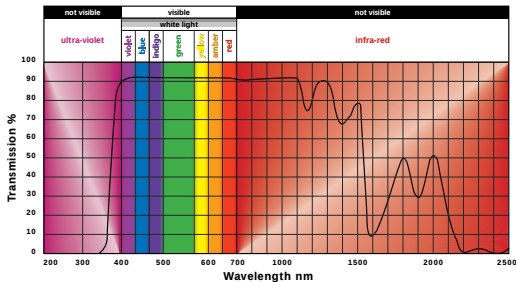


DIMENSIONS

LAMP	STANDARD A	EMERGENCY A
18W	627	1288
36W	1237	1898
58W	1537	2198

Dimensions given are for continuous mounting, add 4mm for individual luminaire. Add 2mm to completed row length

UV Transmission ~ Standard Degalon Diffuser

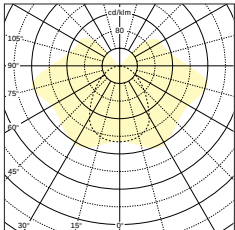


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CLEAR DEGALON
1 x 36W T8 Lamps



- SHR MAX = 1.85
- DLOR = 0.608
- ULOR = 0.261
- SHR TR MAX = 2.50



UTILISATION FACTORS UF(F)											
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	-	0.46	0.52	0.56	0.62	0.66	0.69	0.73	0.76
0.50	0.30	0.20	-	0.36	0.41	0.44	0.50	0.54	0.57	0.61	0.64
0.00	0.00	0.00	-	0.24	0.27	0.30	0.34	0.37	0.39	0.43	0.45

CONVERSION TABLE FOR LAMP OPTIONS					
Lamp Length	0.6m	1.2m	1.5m	DIFFUSER	
Lamp wattage	18W	36W	58W	POLYCARBONATE	
UF and PC	0.98	1.00	1.01	0.80	

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ORDER CODES

SURFACE TEAR DROP CLEAN ROOM LUMINAIRE

OPTIC/DIFFUSER		SUPPLIED LESS LAMP	OPTIC/DIFFUSER	
LAMD118	Clear degalon	1 x 18W T8	Clear polycarbonate	LAMC118
LAMD136		1 x 36W T8		LAMC136
LAMD158		1 x 58W T8		LAMC158

EMERGENCY Add suffix to order codes above

OPTION Add suffix to order codes above

E 3 hour integral emergency	I Individual luminaire
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OPTIONS Order as separate items

LAMT2.4	2.4m length of trunking
LAMIK	Intermediate kit:- 1 x double endcap, 0.5m connecting cable terminated with moulded Wieland plug
LAMEK	End kit:- 2 x single endcap, 1.0m cable terminated with moulded Wieland plug at one end and crimped wire at the other

To specify state:

Surface teardrop luminaire with UV absorbent Degalon diffuser causing minimum disturbance to Lamina airflow. 50mm extruded aluminium body to sit snug on 50mm T bar – as Whitecroft Lighting LAMINA.