

# MIR700 & MIS700 RANGE

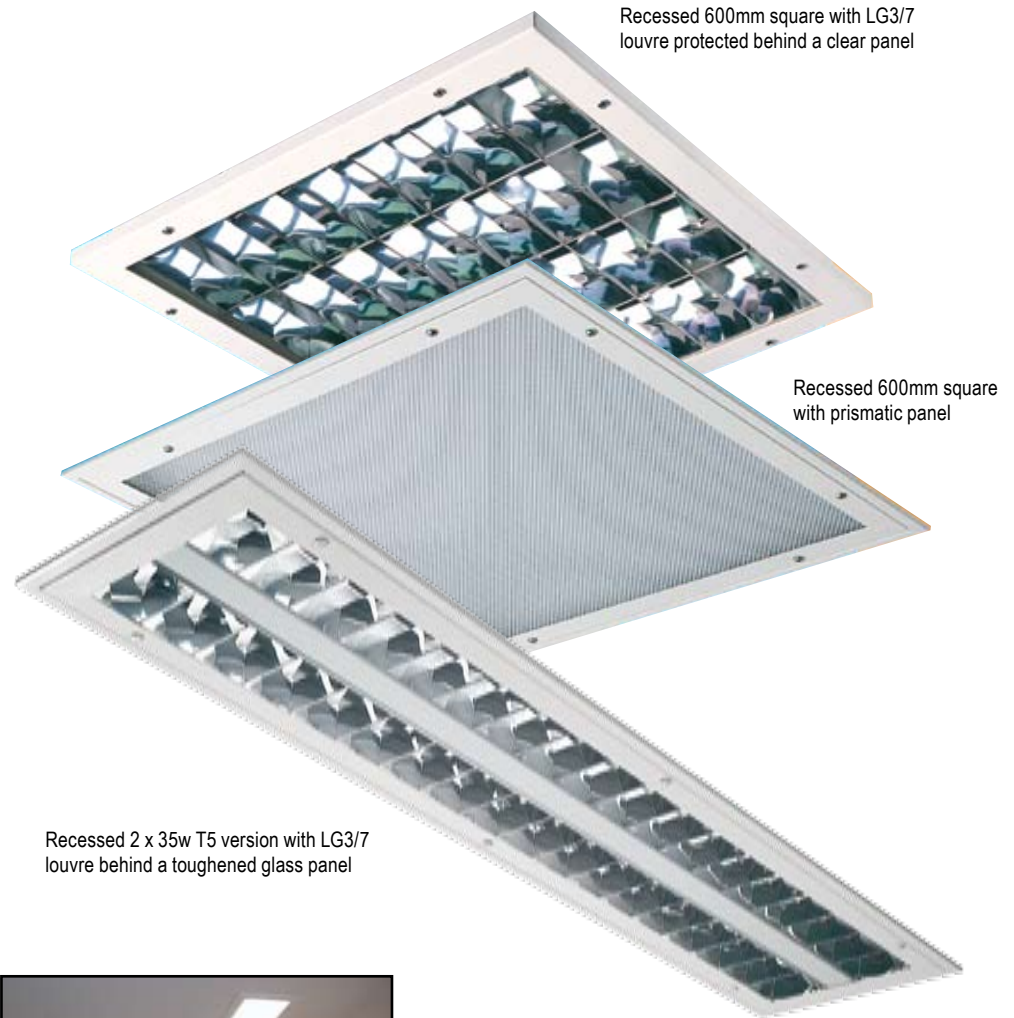
IP54 & IP65 T8, T5 & CF Luminaires for Cleanrooms, Hospitals, Kitchens & Laboratories

## Description

MID is a market leader in sealed luminaires with a wealth of experience in cleanroom type projects. The **MIR700** recessed & **MIS700** surface series is a versatile range of modular recessed or surface, T8, T5 and compact fluorescent multi lamp IP rated luminaires suitable for use in laboratories, hospitals (including LG2 & HTM-2025 applications), Showers, bathrooms, kitchens and ISO/Class/MCA/ATEX cleanroom environments. Engineered to exacting standards they are designed to integrate with specific ceiling systems as well as standard lay-in and concealed grid ceilings.

Ideal for use in areas such as:

- Cleanrooms
- Operating Theatres
- Scrub Rooms
- Pharmacies
- Kitchens
- Public areas
- Shower rooms
- Changing rooms
- Laboratories
- Public toilets
- Transport interchanges
- Food manufacturing
- Car parks
- Police stations
- Charge rooms
- Secure areas



Recessed 600mm square with LG3/7 louvre protected behind a clear panel

Recessed 600mm square with prismatic panel

Recessed 2 x 35w T5 version with LG3/7 louvre behind a toughened glass panel



Operating Theatre luminaires supplied to Edgware General Hospital

Recessed version with anti vandal features designed to integrate with specific ceiling systems used by the railway network in public areas



1200 x 600mm prismatic supplied to Cramlington Processing Facility, Northumberland



Linear spring tee ceiling version supplied to Edith Cavell Midwifery building, Norwich Hospital

When ordering quote reference number followed by essential & specific options. Standard dimming is 1-10v, for switch dim or DALI dimming please specify

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IP54 & IP65 T8, T5 & CF Luminaires for Cleanrooms, Hospitals, Kitchens & Laboratories

CLEANROOM  
MEDICAL &  
SECURE



Suitable for use in laboratories...



kitchens...



...and wet rooms



Earth Science Dept. Hoare Lea  
600mm<sup>2</sup> T5 MRL2 louvred luminaire with  
(TG) toughened glass cover

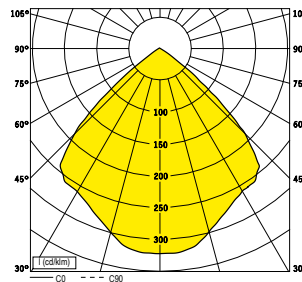
Utilization Factors / TM5 - MIR700 418 MRL2 - 4 x 18w T8											
Reflection			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	44	49	52	54	57	59	60	61	62

SHRnom: 1.50  
SHRmax: 1.648

LOR: 57.0%



(DD) Drop dish diffuser  
option in various materials to  
special order



Modular recessed luminaires supplied to the John Radcliffe Hospital  
diabetic facility



Cambridge Electronics  
LG3/7 recessed version to suit grid ceiling system



MIS700 with special moulded prismatic dish diffuser in RAL9006 silver



Surface mount versions for all lamp types  
available. Standard profile shown

## General Features

- Manufactured in steel and painted powder coat white as standard. Other colours and (Stainless Steel) versions are available on special request
- Front & rear IP rated option with all joints welded or sealed to prevent dust & moisture penetration
- One piece steel frame to support various attachment options, sealed via closed cell EPDM gasket with optional (SC) safety cords to retain the frame when re-lamping
- Frame fixed by corrosion resistant screws as standard. (WCC) white cover cap versions may be specified. (VR) vandal resistant screws also available
- (DZ) Dzus quick release toggles options available
- A wide choice of lamping options including compact fluorescent, T8 and T5
- (HF) high frequency gear supplied as standard with (DIM) 1-10v, Switch dim or DALI dimming gear options available
- Available in various IP rating formats: (IP54F) IP54 front rating as standard, (IP54R) sealed front & rear, (IP65F) front rating to IP65 and (IP65R) rating front and rear
- Frame fitted with a U.V resistant Tp(a) rated Polycarbonate/PETG (PP) prismatic panel as standard with optional Tp(a) rated (DD) dish diffuser, (OP) opal panel, (DLP) daylight or (FS) clear flat panel cover for easy cleaning. Alternative LG3/LG7 (MRL) specular wedge, (SMR) satin wedge or (LB) flat cross blade louvre options mounted behind the clear flat Tp(a) panel
- (TG) toughened glass panels may be specified for high classification areas with a rigorous cleaning program where a chemically inert diffuser may be appropriate.
- (RA) rear access luminaires suitable for walk on ceiling/gantry access from behind the ceiling line
- Surface luminaires available with optional (CH) chamfer profile

When ordering quote reference number followed by essential & specific options. Note: \*\* CF lamps with MRL2 louvres have a recess depth of 150mm

Tel: 01494 437962

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Email: sales@midlighting.co.uk

Due to ongoing research and development specifications are subject to change without prior notice. Some availability subject to minimum order quantity

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## Ceiling systems & installation

- Designed to fit (T15) & (T24) exposed tee systems as standard
- (SSPT) side fix or (ESPT) end fix spring tee version specifiable
- (FOAM) Foam ceiling version lined out and screw fixed by others
- (PB) plasterboard version
- (NM) non modular versions can be manufactured to suit your specific project/ceiling system requirements eg. extra narrow or extra wide to coordinate with structural beams or specific ceiling systems not otherwise indicated
- (SA) side arm brackets can be specified
- (RH) rod hanger suspension to contractors requirements can be specified
- Surface mount options are secured by way of screw fix as standard
- All versions assume access to lamps and control gear from the room side via a removable front frame
- (RSSH) room side service hatch version for void maintenance
- (RA) rear access version with removable back plate for use in walk on ceilings etc where luminaire maintenance can only be undertaken from above the ceiling
- Final seal to ceiling by others



1200 x 600mm nominal recessed LG3/7 luminaires designed to fit a prepared aperture in a walk on foam ceiling system as supplied to this Oxford Electronics manufacturing Building



A slimline appearance is achieved by specifying a chamfered edge detail on these Surface T5 600 x 600mm luminaires with prismatic diffuser supplied to the kitchens at the Orangery, Kew Gardens.

Consultant: Posford Duvivier

### ORDERING INFORMATION - For other sizes/lamp types/finishes/styles not listed please call us

Reference Number	Nominal Size l x w x h mm	Lamp & Wattage	Control Gear Options		Diffuser Options										Additional Attachments			
			HF	DIM	PP	DD	OP	DLP	LB	MRL	SMR	FS	TG	SC	WCC	VR	DZ	
MIR700 6318	600 x 600 x 100	3 x 18w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 6418	600 x 600 x 100	4 x 18w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 3236	1200 x 300 x 100	2 x 36w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 6336	1200 x 600 x 100	3 x 36w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 6436	1200 x 600 x 100	4 x 36w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 3258	1500 x 300 x 100	2 x 58w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 3270	1800 x 300 x 100	2 x 70w T8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 5236	500 x 500 x 100	2 x 36w CF	•	•	•	•	•	•	•	•	•**	•**	•	•	•	•	•	•
MIR700 5436	1000 x 500 x 100	4 x 36w CF	•	•	•	•	•	•	•	•	•**	•**	•	•	•	•	•	•
MIR700 6240	600 x 600 x 100	2 x 40w CF	•	•	•	•	•	•	•	•	•**	•**	•	•	•	•	•	•
MIR700 6255	600 x 600 x 100	2 x 55w CF	•	•	•	•	•	•	•	•	•**	•**	•	•	•	•	•	•
MIR700 6455	1200 x 600 x 100	4 x 55w CF	•	•	•	•	•	•	•	•	•**	•**	•	•	•	•	•	•
MIR700 214	600 x 300 x 76	2 x 14w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 314	600 x 600 x 76	3 x 14w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 414	600 x 600 x 76	4 x 14w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 224	600 x 300 x 76	2 x 24w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 324	600 x 600 x 76	3 x 24w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 424	600 x 600 x 76	4 x 24w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 221	900 x 300 x 76	2 x 21w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 239	900 x 300 x 76	2 x 39w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 228	1200 x 300 x 76	2 x 28w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 328	1200 x 600 x 76	3 x 28w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 428	1200 x 600 x 76	4 x 28w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 254	1200 x 300 x 76	2 x 54w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 354	1200 x 600 x 76	3 x 54w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 454	1200 x 600 x 76	4 x 54w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 235	1500 x 300 x 76	2 x 35w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 249	1500 x 300 x 76	2 x 49w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MIR700 280	1500 x 300 x 76	2 x 80w T5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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**RSSH: Room Side Service Hatch Version**

MIR700 (RSSH) Room Side Service Hatch luminaire in situ

Remove diffuser assembly first leaving outer frame undisturbed/remaining sealed to ceiling interface. Then remove gear tray/lamp assembly and top cover from room side.

This allows a service hatch access to allow maintenance in void above

**RA: Rear Access Version for maintenance from above the ceiling**

Special MIR700 designed to fit within a foam walk on ceiling

Access to lamps and control gear is via a removable back panel maintaining the IP rated seal within the cleanroom

## Control Gear

Lamps are operated by (HF) high frequency control gear as standard with (DIM) 1-10v, Switch dim or DALI dimming available upon request

## Fixings & Connections

Supplied complete with standard terminal block. Alternative plug & socket options available. Please advise sales of your requirements.

## Emergency conversion reference

(ME3) Emergency luminaires are supplied with integral packs (ME3/ST) self test emergency packs are available.

(R) Remote emergency

## How to specify

For example: MIR7006418/HF/MRL2/IP54F for a 600mm square modular 4 x 18w T8 lamp with high frequency gear supplied with LG3/7 wedge louvre and clear polycarbonate panel sealed to IP54 from below.

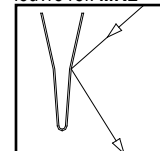
## ORDERING INFORMATION - For other sizes/lamp types/finishes/styles not listed please call us

Ceiling & Installation Options												IP Rating				Weight	Emergency Option
T15	T24	SSPT	ESPT	FOAM	BB	NM	SA	RH	RSSH	RA	IP54F	IP54R	IP65F	IP65R	Kg	ME3	
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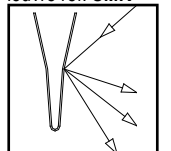
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## Optional Attachments:

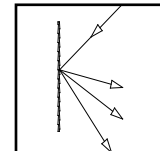
Specular wedge louvre ref: **MRL**



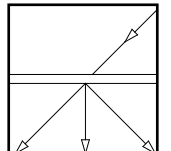
Satin wedge louvre ref: **SMR**



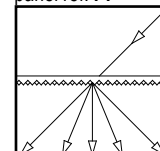
Low brightness louvre ref: **LB**



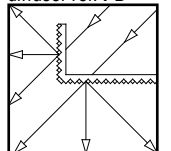
Opal flat panel ref: **OP**



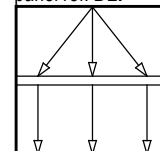
Prismatic flat panel ref: **PP**



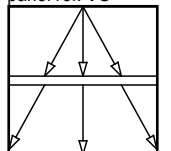
Prismatic dish diffuser ref: **PD**



Daylight panel ref: **DLP**



Toughened glass panel ref: **TG**



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