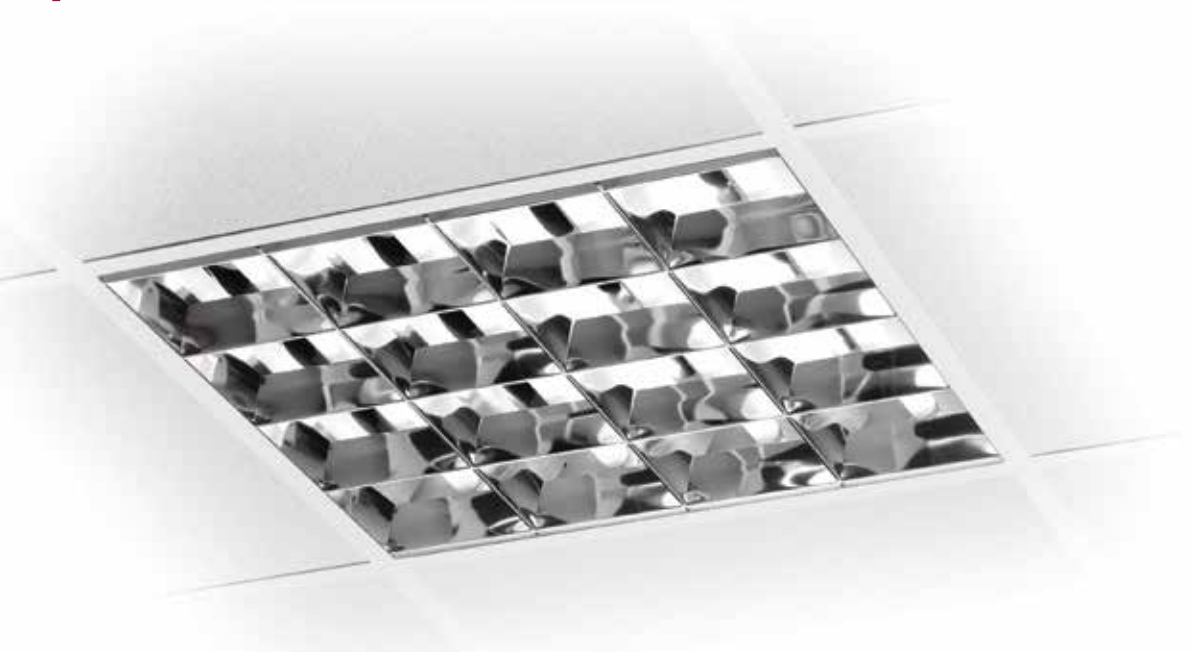


# Modulay



1

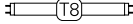
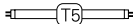


The Modulay range has ingenious design features popular for all types of installations where high quality, competitive luminaires are demanded. The full box, fully enclosed body construction gives additional strength, whilst reducing light spill into the void, important for open cell ceilings. The housing offers enhanced attachment retention and cleverly maintains the compatibility with both 15mm and 24mm exposed 'T' ceilings, including the higher Armstrong Peakform style.

The range is offered with a choice of switch start or high frequency control gear and with or without triphosphor lamps. There is also a choice of louvre types and prismatic panel material options.

- Fully enclosed body, reducing light spill into the void
- Luminaire fits 15 and 24mm exposed 'T' ceiling grids
- Choice of 65°- 1000 cd/m<sup>2</sup> or general purpose louvres or prismatic controllers
- Fully integral emergency options
- Available with a choice of triphosphor or less lamp options

## Lamp and Control Gear Options

- 18W, 36W T8 fluorescent 4000°K - G13 cap 
- 14W, 28W (HE), 54W (HO) T5 fluorescent 4000°K - G5 cap 
- High frequency or switch start control gear as standard
- DSI digital dimming also available

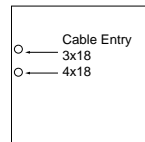
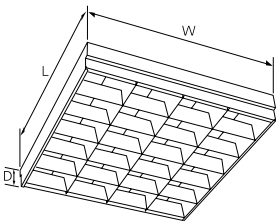
## Materials

- Body - full box steel construction, powder coated in RAL9016 finish
- Louvres - high grade specular aluminium
- Prismatic controller - TPa flame retardant, UV stable PVC. TPb UV stable styrene

## Installation Notes

- Designed for exposed 'T' ceilings with 15mm and 24mm tees
- Compatible with 'T' up-stands up to and including the 43.5mm high Armstrong Peakform system
- Luminaire lies onto table of tee
- Louvre and prismatic controllers fitted by lifting and tilting in and out of body. Louvre supported on hanging straps for hands free re-lamping
- High frequency control gear used in conjunction with triphosphor lamps are recommended for the most energy efficient results
- Supplied either less lamp or complete with triphosphor lamps

## Dimensions



Lamp Rating	L (mm)	W (mm)	D (mm)
3/4 x 18W/14W	611	593	90
3/4 x 36W/28W/54W	1221	593	90

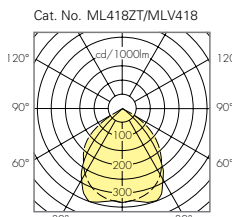
## Options

- Intellem self-test emergency versions available
- Suitable for use on defined escape routes with louvre and TPa attachment
- Available fitted with pre-wired socket to suit Connect rapid wiring system. Add suffix 'CX' to catalogue number
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment

## Specification

To specify state: Lay-in recessed luminaire, of full box construction with post coat powder paint, RAL9016 White, for both 15mm and 24mm tees, for use with 65°-1000 cd/m<sup>2</sup> mirror finish/ ribbed cross blade general purpose louvre/prismatic controller in TPa/TPb material, as Eaton's Modulay range, part no. \_\_\_\_\_

## Photometric Data

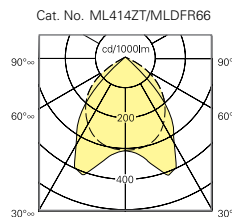


LOR: 0.62  
ULOR: 0.00  
DLOR: 0.62  
SHR nom: 1.50  
SHR max: 1.557

Utilisation factors / TM5

Reflectances			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	48	53	56	59	62	63	65	66	67
	30		45	50	53	56	59	61	63	65	66
	10		43	47	51	54	57	60	61	63	65
50	50	20	48	52	55	57	60	61	63	64	65
	30		45	49	52	55	58	60	61	63	64
	10		43	47	51	53	56	58	60	62	63
30	50	20	47	51	54	56	58	60	61	62	63
	30		44	48	52	54	57	58	59	61	62
	10		42	47	50	52	55	57	58	60	61
0	0	0	41	45	49	51	53	55	56	57	58
BZ-class			1	1	1	1	1	1	1	1	1

See page 468 for design guide



LOR: 0.68  
ULOR: 0.00  
DLOR: 0.68  
SHR nom: 1.50  
SHR max: 1.66

Utilisation factors / TM5

Reflectances			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	46	53	58	61	65	68	69	72	73
	30		42	49	54	57	62	65	67	70	71
	10		38	46	51	54	59	62	65	68	70
50	50	20	45	52	56	59	63	65	67	69	70
	30		41	48	53	56	60	63	65	67	69
	10		38	45	50	53	58	61	63	66	68
30	50	20	44	51	55	57	61	63	65	67	68
	30		41	48	52	55	59	61	63	65	67
	10		38	45	50	53	57	60	62	64	66
0	0	0	37	44	48	51	55	57	59	61	62
BZ-class			2	2	2	2	2	2	2	2	2

See page 468 for design guide

## Catalogue Numbers

Lamp Rating	Lamp Type	Modular Size	Gear Option	Cat No	Weight (kg)	Emergency Cat No	Weight (kg)
<b>Body - supplied with triphosphor lamps - order attachment separately</b>							
3 x 18W	T8	600 x 600	High Frequency	ML318ZT	3.1	EBML318ZT	4.1
4 x 18W	T8	600 x 600	High Frequency	ML418ZT	3.2	EBML418ZT	4.2
3 x 36W	T8	600 x 1200	High Frequency	ML336ZT	5.7	EBML336ZT	6.7
4 x 36W	T8	600 x 1200	High Frequency	ML436ZT	5.9	EBML436ZT	6.9
3 x 14W	T5	600 x 600	High Frequency	ML314ZT	3.1	EBML314ZT	4.1
4 x 14W	T5	600 x 600	High Frequency	ML414ZT	3.2	EBML414ZT	4.2
3 x 28W	T5	600 x 1200	High Frequency	ML328ZT	5.7	EBML328ZT	6.7
4 x 28W	T5	600 x 1200	High Frequency	ML428ZT	5.9	EBML428ZT	6.9
3 x 54W	T5	600 x 1200	High Frequency	ML354ZT	5.7	EBML354ZT	6.7
4 x 54W	T5	600 x 1200	High Frequency	ML454ZT	5.9	EBML454ZT	6.9
3 x 18W	T8	600 x 600	DSI Digital Dim	ML318RDT	3.3	EBML318RDT	4.3
4 x 18W	T8	600 x 600	DSI Digital Dim	ML418RDT	3.4	EBML418RDT	4.4
3 x 36W	T8	600 x 1200	DSI Digital Dim	ML336RDT	5.9	EBML336RDT	6.9
4 x 36W	T8	600 x 1200	DSI Digital Dim	ML436RDT	6.1	EBML436RDT	7.1
3 x 14W	T5	600 x 600	DSI Digital Dim	ML314RDT	3.3	EBML314RDT	4.3
4 x 14W	T5	600 x 600	DSI Digital Dim	ML414RDT	3.4	EBML414RDT	4.4
3 x 28W	T5	600 x 1200	DSI Digital Dim	ML328RDT	5.9	EBML328RDT	6.9
4 x 28W	T5	600 x 1200	DSI Digital Dim	ML428RDT	6.1	EBML428RDT	7.1
3 x 54W	T5	600 x 1200	DSI Digital Dim	ML354RDT	5.9	EBML354RDT	6.9
4 x 54W	T5	600 x 1200	DSI Digital Dim	ML454RDT	6.1	EBML454RDT	7.1
3 x 18W	T8	600 x 600	Switch Start	ML318ST	3.8	EBML318ST	4.8
4 x 18W	T8	600 x 600	Switch Start	ML418ST	3.9	EBML418ST	4.9
3 x 36W	T8	600 x 1200	Switch Start	ML336ST	7.5	EBML336ST	8.5
4 x 36W	T8	600 x 1200	Switch Start	ML436ST	7.7	EBML436ST	8.7
<b>Body - supplied without lamps - order attachment separately</b>							
3 x 18W	T8	600 x 600	High Frequency	ML318ZX	2.8	EBML318ZX	3.8
4 x 18W	T8	600 x 600	High Frequency	ML418ZX	2.8	EBML418ZX	3.8
3 x 36W	T8	600 x 1200	High Frequency	ML336ZX	5.1	EBML336ZX	6.1
4 x 36W	T8	600 x 1200	High Frequency	ML436ZX	5.1	EBML436ZX	6.1
3 x 18W	T8	600 x 600	DSI Digital Dim	ML318RDX	3.0	EBML318RDX	4.0
4 x 18W	T8	600 x 600	DSI Digital Dim	ML418RDX	3.0	EBML418RDX	4.0
3 x 36W	T8	600 x 1200	DSI Digital Dim	ML336RDX	5.3	EBML336RDX	6.3
4 x 36W	T8	600 x 1200	DSI Digital Dim	ML436RDX	5.3	EBML436RDX	6.3
3 x 18W	T8	600 x 600	Switch Start	ML318SX	3.5	EBML318SX	4.5
4 x 18W	T8	600 x 600	Switch Start	ML418SX	3.5	EBML418SX	4.5
3 x 36W	T8	600 x 1200	Switch Start	ML336SX	6.9	EBML336SX	7.9
4 x 36W	T8	600 x 1200	Switch Start	ML436SX	6.9	EBML436SX	6.9

Lamp Rating	Modular Size (mm)	Louvres 65°- 1000cd/m <sup>2</sup>	Louvres Gen Purpose	Weight (kg)	Lamp Rating	Modular Size (mm)	TPa PVC	TPb Styrene	Weight (kg)
<b>Louvre attachment - order body separately</b>					<b>Prismatic Controller - order body separately</b>				
3 x 18W	600 x 600	MLV318	MLG318	0.8	3 x 18W	600 x 600	MLDFR66	MLD66	0.6
4 x 18W	600 x 600	MLV418	MLG418	0.8	4 x 18W	600 x 600	MLDFR66	MLD66	0.6
3 x 36W	600 x 1200	MLV336	MLG336	1.7	3 x 36W	600 x 1200	MLDFR612	MLD612	1.2
4 x 36W	600 x 1200	MLV436	MLG436	1.7	4 x 36W	600 x 1200	MLDFR612	MLD612	1.2

For more information on the installation requirements and product specifications, please visit our website: <https://uk.eaton.com/content/gb/en/products/product-catalog/recessed-ceiling-lights-modulay-eaton.html>