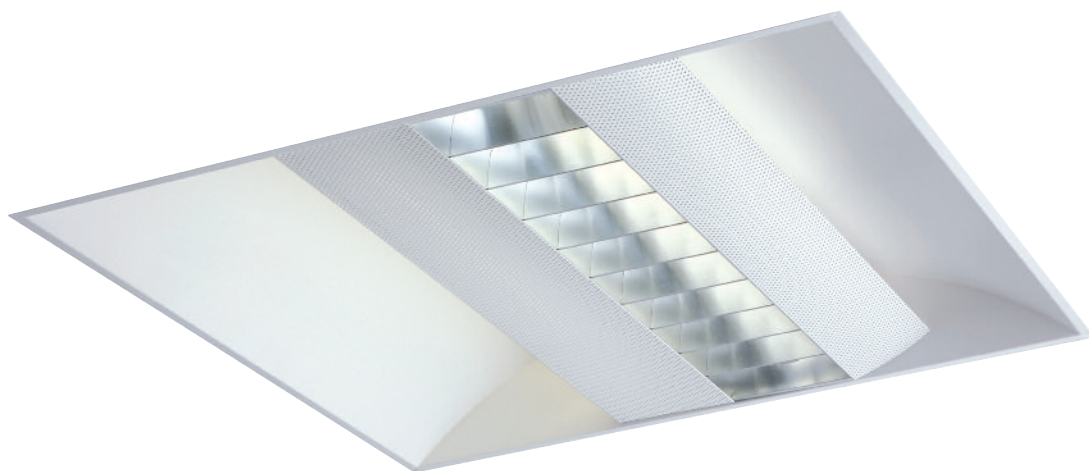




cascade TSI

teaching surface illuminance luminaire

Optics

- Asymmetrical light output with one half of the luminaire providing ambient direct/indirect lighting and the other half providing wall illumination
- MIRO 5 semi-specular louvre on ambient half with perforated wings. On the wall wash side the lamp is covered by a flat perforated foil
- Lamp options:
 - 4 x 14W T5
 - 2 x 40/55W TC-L

Body

- Steel body with tightly jointed end plates finished white
- Designed to rest above 600mm x 600mm exposed T (15mm and 25mm) ceilings. Installation in plasterboard ceilings possible using optional frame



cascade TSI

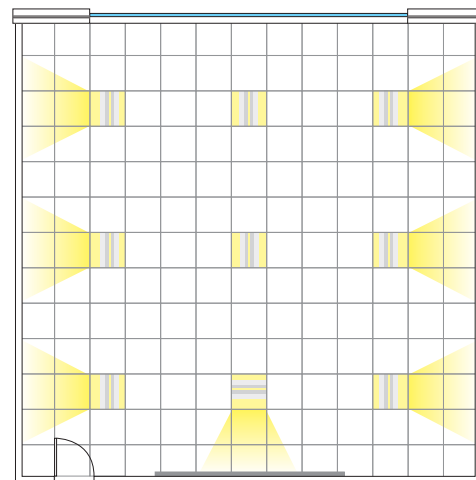
> weblink > **CTSI**

ORDER CODES

Cascade TSI	HF Gear	3 hr Emergency
T5 4 x 14W	CTSH414	CTSH414EMIN
TC-L 2 x 40W	CTSH240	CTSH240EMIN
TC-L 2 x 55W	CTSH255	CTSH255EMIN

Options

DALI DIMMING	Replace H with Y in order code	i.e. CTS Y 414
DSI DIMMING	Replace H with D in order code	i.e. CTS D 414
SWITCH DIMMING	Replace H with X in order code	i.e. CTS X 414
COMMAND 4	Replace H with Q4Y in order code	i.e. CTS Q4Y 414
COMMAND 3	Replace H with Q3Y in order code	i.e. CTS Q3Y 414
EASYTEST	Add suffix /ET to order code	i.e. CTSH414/ ET
COMET	Add suffix /CT to order code	i.e. CTSH414/ CT
PLASTERBOARD INSTALLATION FRAME		CSDPBF



Cascade TSI used in conjunction with standard Cascade in a 9 luminaire typical classroom arrangement

LAMP PERFORMANCE

Wattage	IL@25°C	Lamp Life
1 x 14W T5	1200	24,000hrs
1 x 40W TC-L	3500	20,000hrs
1 x 55W TC-L	4800	20,000hrs

CEILING INTEGRATION

Refer to common ceiling compatibility matrix – See page 310

Exposed T Grids

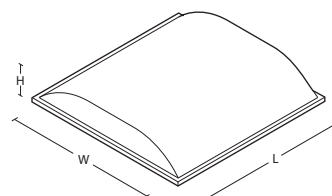
T25 Lay in

T15 Lay in

Plasterboard (Installation frame required)

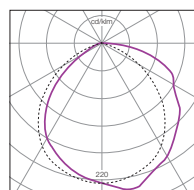
Prepared aperture

DIMENSIONS

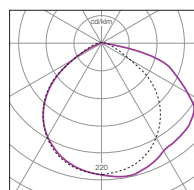


Version	L	W	H	Prepared Aperture	KG	KG
Exposed T	593	591	95	–	6.0	7.0
Plasterboard	660	660	95	625 x 625 ± 3	8.0	9.0

PHOTOMETRIC PERFORMANCE



2 x 40W TC-L
 • LOR = 59.2%
 • SHR MAX = 1.60



4 x 14W T5
 • LOR = 59.1%
 • SHR MAX = 1.66

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.42	0.58	0.62

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.42	0.58	0.62

TO SPECIFY

Recessed direct/indirect fluorescent T5 module for classroom lighting. Rolled steel body finished white, with MIRO 5 louvre and perforated side panels. Asymmetrical light distribution with half of the luminaire providing 'Teaching Surface Illumination' – as Whitecroft CASCADE TSI

