

Duo 500 centre optic

Recessed fluorescent: Intermediate brightness zone luminaire for 500 x 500mm exposed T ceilings



Duo is a high specification and efficient modular recessed luminaire with a modern clean and pure aesthetic, which delivers exceptional illumination. For 500 x 500mm exposed T grids the product is available with a centre optic and Vivant style 'living louvre'.

APPLICATION

- Offices
- Reception spaces
- Ambient retail lighting
- Hospital consulting rooms, waiting areas and offices
- Education classrooms and circulation spaces
- Corridors
- Board rooms
- Conference rooms

SPECIFICATION

Body

- Lamp Options:
 - 4 x14w T5
- For 500 x 500mm grids:
 - Exposed T 15mm and 25mm (lay in)
 - Exposed T 15mm Tegular
- High quality fully boxed and jointed body, with full flange to eliminate light spill
- Body manufactured from 0.7mm gauge steel.
- Luminaire IP20
- High frequency, DSI regulating, and DALI control gear options.
- Adjustable side support brackets
- Air handling as standard.
- Supplied less lamps

Optics

- Micro Film reflector 'living louvre' - vacuum metalized injection moulded and textured louvre
- Intermediate brightness zone technology, delivering high efficiency and controlled contrast, for a uniquely comfortable working environment.
- Plastics fully UV protected and fully TPa building regulation compliant.
- Impact resistant polycarbonate
- Positive retention to all optical elements.
- Easy access for maintenance and service.

Options

- 3hr integral maintained emergency.
-  Easytest – integral self test version available

PHOTOMETRY

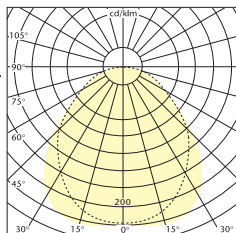
DUO 500 Centre Optic

LIVING LOUVRE

4 x 14W T5



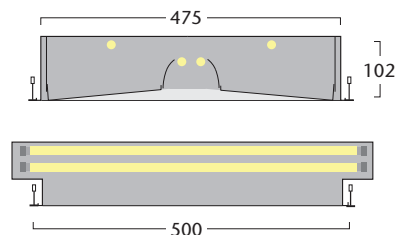
- 65° Max* = 2446cd/m²
- LOR* = 54.6%
- SHR MAX = 1.67



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	0.37	0.41	0.45	0.47	0.50	0.53	0.54	0.56	0.58
0.50	0.30	0.20	0.33	0.37	0.40	0.43	0.46	0.49	0.50	0.53	0.54
0.00	0.00	0.00	0.29	0.33	0.36	0.39	0.42	0.44	0.45	0.47	0.49

Typical UGR (70:50:20) 4H 4H = 18

DIMENSIONS



LAMP PERFORMANCE

WATTAGE	IL@25°C	LAMP LIFE
1 x 14W T5	1,200	20,000hrs

WEIGHT

	KG
500 x 500	4.2
500 x 500 emergency	5.5

ORDER CODES – DUO CENTRE OPTIC

OPTIC	LAMP TYPE	ORDER CODE
Luminaires for exposed tee ceilings (supplied without lamps)		
Living Louvre	4 x 14W	DUO5CH414VXT

T15 REGULAR CEILING INTEGRATION *Additional Order Code*

DUO600BKTKIT Bracket Kit to allow XT variants to 'pull up' onto T15 Regular ceilings

GEAR *Replace suffix on order codes above, e.g.*

D Digital DSI Gear, i.e. **DUO5CD414VXT**

Y Digital DALI Gear, i.e. **DUO5CY414VXT**

EMERGENCY *Add suffix to order codes above, e.g.*

/EMIN Emergency pack, i.e. **DUO5CH414VXT/EMIN**

EASYTEST OPTION *Add suffix to luminaire order codes above, e.g.*

/ET Easytest self test emergency i.e. **DUO5CH414VXT/ET**

To specify state:

Recessed T5 500mm² luminaire with dual optic configuration and Air return facility. Incorporating Intermediate Brightness Zone element to diffuse light and graduate brightness across the ceiling, manufactured in a Tp(a) rated polycarbonate, and 1 optical cell with Living Louvre to control light and reduce glare – as Whitecroft Lighting DUO.

QuickLink

DUOS

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