

foil DUO

Suspended: T5 fluorescent luminaire with acoustic panels and DUO optic



Foil is a suspended luminaire system. The incorporation of acoustic panels ensures that it is ideal for use in classrooms with solid ceilings. The chamfered low profile minimises visual intrusion. Conduits within the luminaire enable non-lighting services to be run through a continuous row of luminaires.

APPLICATION

- Universities, colleges or schools
- Offices
- Conference facilities

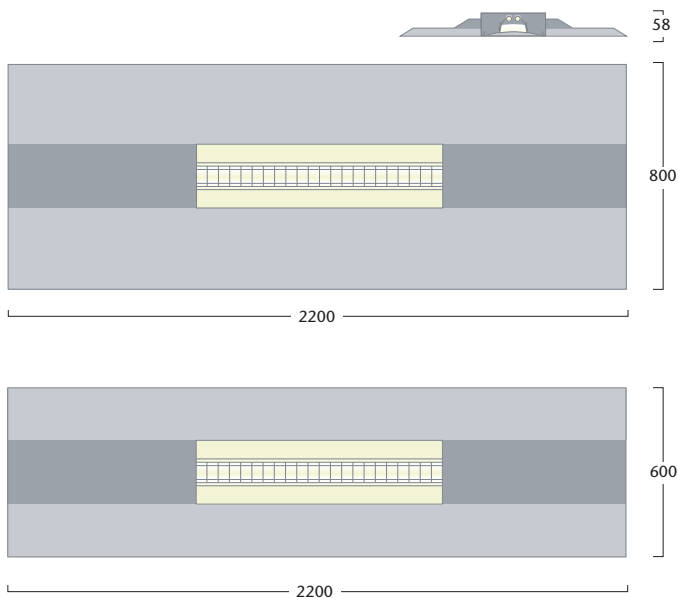
SPECIFICATION

- 2 x 21/28/35/39/49 or 54W T5 lamps all in 2.2m long sections.
- Micro Prism 'DUO' panels with a central 'Living Louvre'.
- Light distribution: 80% down and 20% up. Up-light designed to give an asymmetric throw to aid vertical illuminance.
- Chamfered 0.6m or 0.8m wide, 2.2m long steel bodies painted Silver (RAL9006) or White (RAL9010), 30% gloss.
- Infill panels available in 400 and 800mm lengths
- Perforated side panels of luminaires and infill panels contain 30mm or 48mm acoustic absorbing material
- Twin adjustable stainless steel suspension kits 1.5m maximum drop. The recommended suspension range for best acoustic performance and avoidance of lighting hot spots on the ceiling is between 0.4 – 1.0m below the soffit.
- 3 segregated cable conduits. Central one for lamp control, outer ones for data, or power
- Includes 6 laser cut conduit entry caps
- Subject to project size and upon request luminaire infill panels can be modified to incorporate items such as speakers, smoke detectors, fire alarms, and sprinkler heads. Radiant heating panels can also be incorporated.
- High frequency and DSI dimming control gear as standard
- 6 way piano block termination
- 3 hour self contained emergency version.
- Lamps to be ordered separately

Options

-  Easytest – Integral self test emergency
-  Comet - Addressable emergency
-  Command 3 intelligent integrated luminaire control system

DIMENSIONS

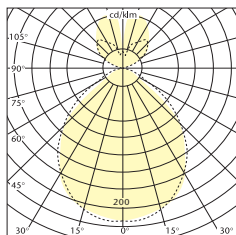


PHOTOMETRY

FOIL TWIN CELL LOUVRE 2 x 54W T5 Lamp



- LOR = 64.2%
- SHR MAX = 1.48



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
0.70	0.50	0.20	0.37	0.42	0.46	0.49	0.53	0.55	0.57
0.50	0.30	0.20	0.30	0.36	0.39	0.42	0.45	0.48	0.49
0.50	0.00	0.00	0.23	0.27	0.30	0.32	0.34	0.36	0.37
0.50	0.00	0.00	0.23	0.27	0.30	0.32	0.34	0.36	0.37

SHR NOM 1.25

LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 21W T5	1900	20,000
1 x 28W T5	2600	20,000
1 x 35W T5	3300	20,000
1 x 39W T5	3100	20,000
1 x 49W T5	4300	20,000
1 x 54W T5	4450	20,000

ORDER CODES – FOIL DUO OPTIC

T5 FLUORESCENT LUMINAIRE WITH ACOUSTIC PANELS AND DUO OPTIC

LAMP LESS SUPPLIED	COLOUR	HIGH FREQUENCY
2 x 21W T5	SILVER	FDL830H221S
2 x 28W T5	SILVER	FDL830H228S
2 x 35W T5	SILVER	FDL830H235S
2 x 39W T5	SILVER	FDL830H239S
2 x 49W T5	SILVER	FDL830H249S
2 x 54W T5	SILVER	FDL830H254S
400mm long infill	SILVER	FLL830INF400S
800mm long infill	SILVER	FLL830INF800S
End cap 30mm acoustic absorber, 800mm wide	SILVER	FLL830ECS
End cap 48mm acoustic absorber, 800mm wide	SILVER	FLL848ECS
Wire Suspension Kit for one luminaire supplied separately	Full suspension assembly	FLLSUSKIT
Bracket set for one luminaire	Drop rods to be supplied by others	FLLBRAKIT

COLOUR – Replace the suffix S in the above order codes

W White i.e. **FDL830H221W**

48MM ACOUSTIC ABSORPTION MATERIAL – Replace the 30 (5th and 6th) digits in the above codes

48 48mm thick acoustic absorption material i.e. **FDL848H221S**

600MM WIDE RAFT – Replace the 8 (4th digit) in the above part codes

6 600mm wide raft i.e. **FDL630H221S**

EMERGENCY Add suffix to order codes above

EMIN 3 hour integral emergency, i.e. **FDL830H221SEMIN**

EASYTEST OPTION Add suffix to luminaire order codes above

/ET Easytest self test emergency, i.e. **FDL830H221S/ET**

Dimming Replace **H** with

D DSI Dimming, i.e. **FDL830D221S**

C Command 3 Sensor, i.e. **FDL830C221S**

UPON REQUEST DEPENDING ON PROJECT SIZE

INFILL APERTURES

Apertures cut as required to house sprinkler heads, smoke alarms etc.

To specify state:

Suspended T5 lighting, acoustic and integrated services 600 or 800mm raft with concealed 30 or 48mm thick acoustic absorbers behind perforated side panels in a shallow chamfered steel body. 3 segregated 28mm x 28mm wiring channels, living louvre centrally mounted in micro polymer optic – as Whitecroft Lighting FOIL DUO

QuickLink

FOILD

Go