

TRAFFLEX SUBWAY LIGHT UNITS



The Trafflex Subway Lighting Range has been designed with the aim to combat the public's fears associated with underground passageways by creating an atmosphere in which to move freely without fear of crime.

The lights combine good illumination, conforming to BS5489 Part 9, and allows for easy access for maintenance, using special vandal resistant fixings whilst still offering maximum protection against malicious damage.



FEATURES

Flexibility

The Trafflex subway unit can be produced to any size or configuration of lighting, giving added flexibility to designers whilst offering an adaptable system suitable for maintenance of existing subways.

Vandal Resistant

The external casing is made from 2mm heavy duty steel, making the unit virtually indestructible when located into position.

Using an unbreakable 3mm opaque polymer lens the unit can withstand the most severe conditions encountered.

Fitted with a 2mm heavy duty mesh behind the lens preventing damage to the light source.

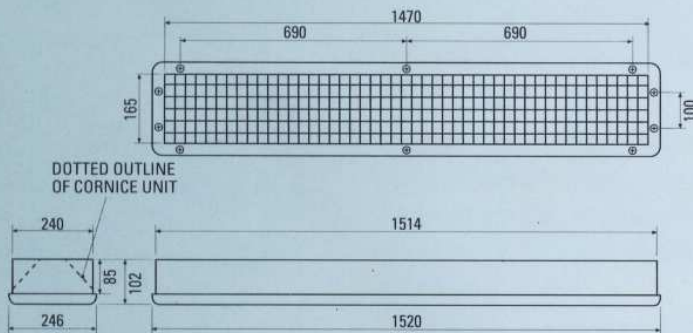
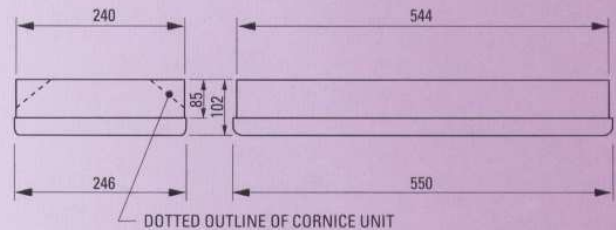
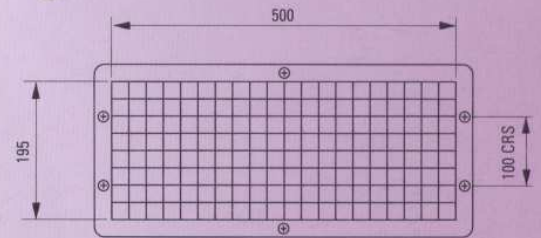
As an added feature all external fittings are tamper proof type to prevent unauthorised entry.

Graffiti Resistance

As an added protection against the attack from spray paints, common to the majority of subways, the lens will not allow any paint to adhere to the surface. When dry the paint will be able to be taken off without causing any lasting effect, this is due to the formulation of the polymer lens.

Lighting

The use of compact fluorescent (PL) lamps enable the units to meet all the requirements of BS5489 Part 9, whilst giving a brighter light with longer life expectancy over conventional fluorescent lamps.



Reduced Maintenance Costs

With the unbreakable polymer lens, anti-graffiti protection and the added protection to the lamps by the mesh, we strongly believe the need for replacing component parts will be eliminated showing an overall saving on maintenance costs.

SPECIAL FEATURES

Emergency Lighting

Units can be fitted with a separately wired battery backup contained within the unit, in order to secure safety from a potentially hazardous situation in the event of a mains power failure.

The unit automatically switches itself on in the event of a mains failure.

SPECIFICATION

Box, Frame and Mesh

Made from 2mm heavy duty steel and powder coated.

Lens

3mm opaque polymer.

Light Source

Independently circuited units with in built power factor correction.

550mm units 2 x 11 watt compact fluorescents
1520mm units 3 x 36 watt compact fluorescents

The 1520mm units can be wired to enable 1 or 2 lamps to be operated at any one time.

Ingress protection

Rated 5:4

Fittings

Front frame fitted with stainless steel anti vandal M6 x 25mm avdels.

Pre-drilled to take 4 no. 6mm x 40mm stainless steel bolts for fixing unit to subway wall or ceiling.

Cable Entry

Knock outs for 25mm cable entry located in the back of the box.

Cornice Infill Panels

Designed to fit between the cornice units to aid protection against unauthorised tampering in addition to carrying supply cabling and enhancing the overall appearance of the subway.

Made from 2mm heavy duty steel powder coated white and fitted directly to cornice unit using standard stainless steel fixings supplied with box.

End Plates

Used in conjunction with infill panels. designed to fit to the end of each subway run.

Made from 2mm heavy duty steel powder coated white and fitted directly to the end of cornice boxes by 3 no. M4 x 25mm stainless steel screws.

STANDARD AVAILABLE UNITS

Cornice Units:

Designed to fit between ceilings and wall and considered to be the most effective way of lighting subway.

Product Code 550C for 550mm units

Product Code 1520C for 1520mm units

Bulkhead Units:

Designed to fit in the centre of subway directly onto the subway ceiling.

Product Code 550B for 550mm units

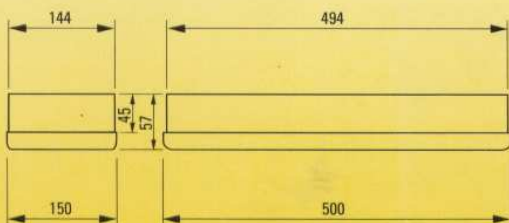
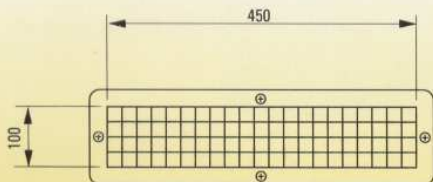
Product Code 1520B for 1520mm units

Recessed Units:

Designed to fit in the centre of subway recessed into the ceiling.

Product Code 550R for 550mm units

Product Code 1520R for 1520mm units



TRAFFLEX CAR PARK LIGHT

The Trafflex Car Park Light has been developed specially for car park use. The unit has all the features of the subway units but has been designed to be fixed to side walls and columns of car park offering a more suitable lighting arrangement.

The standard size available is 500mm and the unit is surface mounted to the wall or column. However, as with the subway unit, any available size or configuration of lighting can be met.

TRAFFLEX SUBWAY LIGHTING GUIDE

The table below offers engineers and designers a simple reference guide for determining requirements for subway units. The nature of each subway can vary considerably, such as the entrance to and the exit from the subway and the finish of the interior which will affect the lighting levels attained.

Because of these factors the table below should be used for guidance purposes only. For more precise information and advice for lighting subways contact the sales office.

Trafflex are able to offer a site survey and design recommendations service.

SUBWAY HEIGHT BETWEEN 2 TO 4 METRES

WIDTH	2 to 3 Metres	3 to 4 Metres	Over 4 Metres
LENGTH OF SUBWAY IN METRES			
4	2	2	4
6	3	3	6
8	4	4	8
10	4	6	8
12	5	6	10
14	6	7	12
16	7	8	14
18	8	9	16
20	8	10	16

The table is based on using standard 1520mm Cornice units with 3 x 36 Watt Compact Fluorescents.



18 Clarendon Court, Winwick Quay, Warrington, Cheshire WA2 8QP

Tel: 0925 444593 Fax: 0925 444390

To use the table simply choose the width of the subway from the columns at the top of the table and match with the length of subway running down the left hand side of the table. This will give you the number of 1520mm Cornice units required to light the subway, under normal circumstances, to meet BS5489 Part 9.

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ANTI VANDAL SUBWAY LIGHT UNITS



CORNICE UNIT

- End closing panels available



SPECIAL CORNICE

- Gives wall to ceiling cover.
- Other specials made to order.



- Standard length 1530mm to take 3/36w compact fluorescent lamps on individual circuits.
- All electrical components are to British and European standards.



BOX UNIT (DEEP SIDE)

- Deep side means no edge lip on cover

- 2mm thick steel grill behind lense.
- All units are manufactured from 2mm zintec steel.
- Powder coated to any BS colour.
- Lense 3mm polypropylene.
- Cover fixed with tamperproof screws.
- Infill panels available to give continuous run.
- Units available for building in.
- Other lengths available.
- Running gear is on removable gear tray.

MAELOR-TRAFFLEX LTD.

Unit F13, Bersham Enterprise Centre, Plas Grono Road, Rhostyllen, Wrexham, LL14 4EG
Tel: (01978) 310298 Fax: (01978) 313770