

SPECIALS

**Lighting for
Tunnels
Underpasses
Subways
Covered Precincts**

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Phosco
L I G H T I N G

SUBWAY

Reinforced glass fibre bodied Semi - Recessed ceiling and Cornice fixings designed for public subways and covered thoroughfares.

BS4533 Section 102.3

IP Classification: 54

Body: Resin bonded glass fibre.

Reinforcement: Zinc coated steel.

Optics: White stove enamelled reflector.

Lamp Types: Fluorescent up to 1500mm (5ft), 90W Sox.

Control Gear: Mounted on steel reflector.

Visor: Vandal resistant DR Acrylic.

Finish: Self coloured.

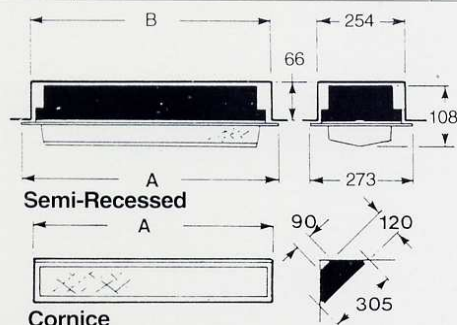
Options: Vandal resistant cover fixings.

SEMI - RECESSED

Cat No.	Lamps	A mm	B mm
F412	Twin 600mm (2ft)	680	664
F413	Single/Twin 1200mm (4ft)	1290	1271
F414/16	Single/Twin 1500mm (5ft)	1594	1576

CORNICE

Cat No.	Lamps	A mm
F406	Single/Twin 600mm (2ft)	680
F407	Single/Twin 1200mm (4ft)	1290
F408	Single/Twin 1500mm (5ft)	1594
F420	Single 90W Sox	680



All dimensions in millimetres

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LIGHTING

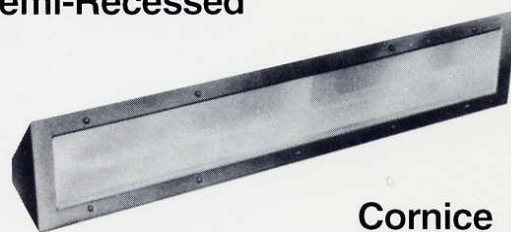
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The right is reserved to change specifications without prior notification or public announcement.
12/92

Glass Fibre Fluorescent & Sox LIGHTING



Semi-Recessed



Cornice



FM 13959

SUBWAY

Soffit Lanterns

Variable optics and enclosed control gear

P392

Specification:

The canopy is of cast LM6-M alloy for soffit mounting using through-bolts to the ceiling. A readily detachable control gear unit is provided internally suitable for 70/110 watt SON or 80/125 watt MBF lamps. The lantern is enclosed by a clear vandal-resistant acrylic cover attached to the canopy with stainless steel clips and hinges.

Optical control is by two chemically brightened and anodised aluminium reflectors, producing asymmetric cut-off distribution. The reflectors may be set at three different positions to vary the direction of each of the two main beams from 0° to 25° in azimuth.

I.P. Classification: IP23

Finish:

Stove enamelled grey outside, white inside.

P410:

150/250/400 watt SON/T:
250/400 watt MBI

Specification:

The canopy is of cast LM6-M alloy for soffit mounting via a combined 3-hole ceiling plate and cable entry. Access to the control gear compartment is achieved from below by removal of a white cover plate. The lantern portion comprises a spun aluminium body enclosed by a bowl of clear polycarbonate plastic and contains two adjustable reflectors which may be set at predetermined positions for axial or non-axial asymmetric distribution, the possible variation being from 0° to 30° in azimuth for each of the two main beams. The cover bowl is attached by a hinge and stainless steel catches. A gasket is provided to obtain a weather-proof seal.

I.P. Classification

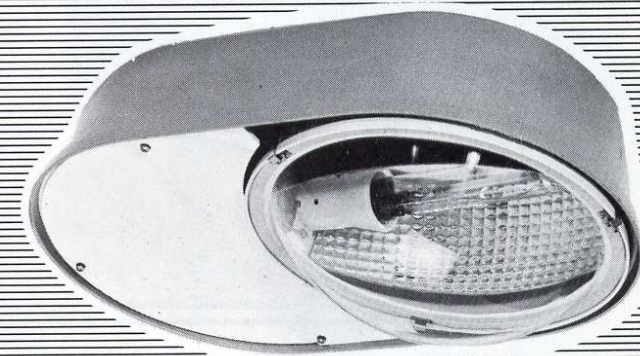
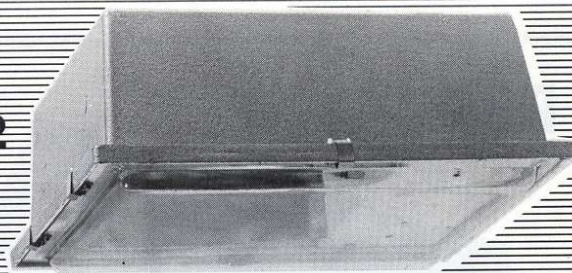
Lamp compartment: IP54

Gear compartment: IP43

Finish:

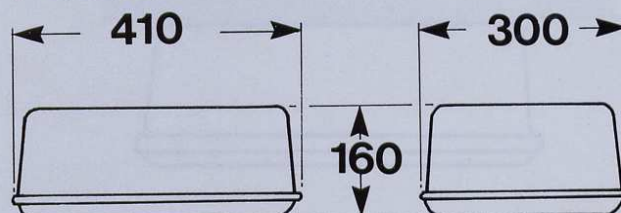
Body-Stove enamel hammered grey and white.

P392

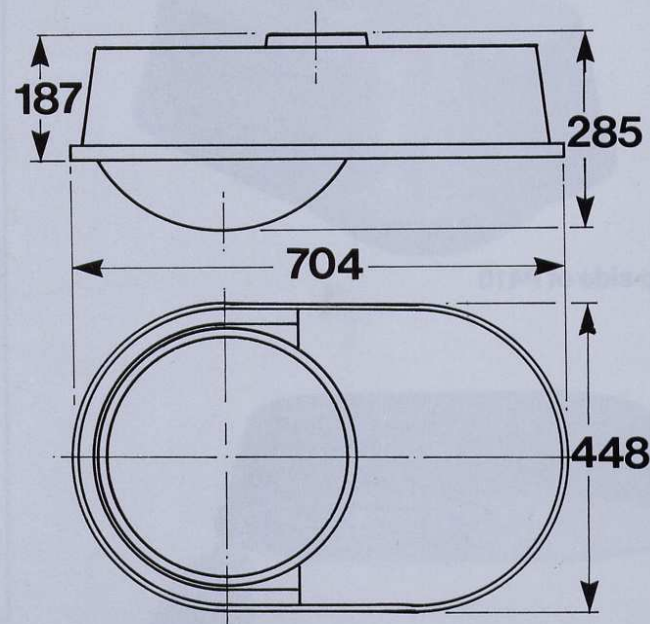


P410

P392



P410



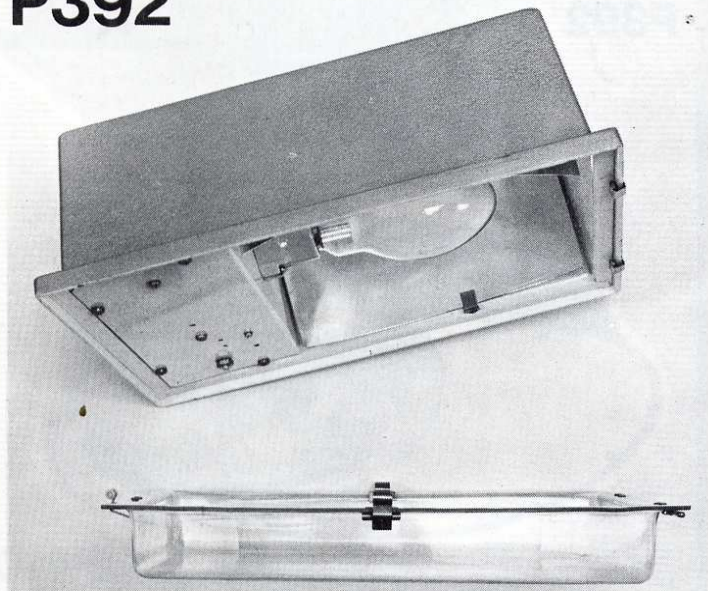
Dimensions in millimetres

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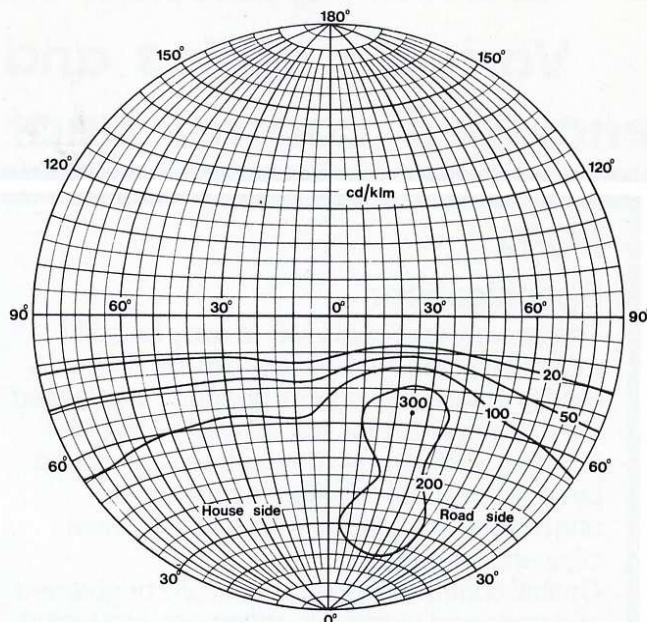
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P392 P410

P392

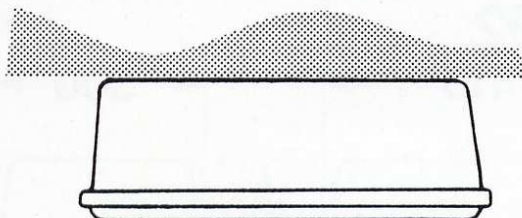


P392 shown with cover removed for access to lamp

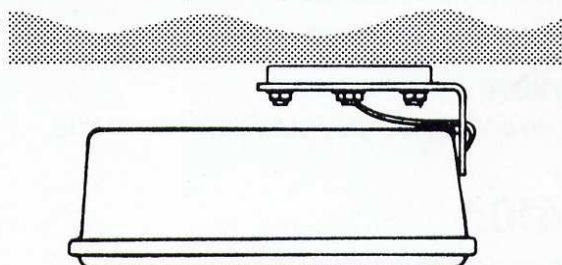


Light Distribution with 70 watt SON lamp

Weight (max) 8.3 kg
Downward light output ratio 0.73



Soffit Mounting (without Bracket)



Soffit Mounting (with Bracket)

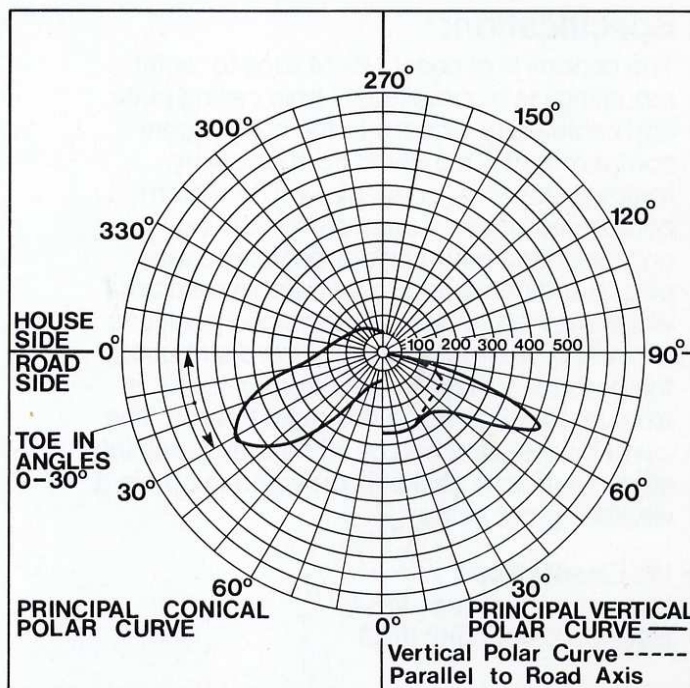
P410



Top side of P410



P410 shown with cover removed for access to lamp



Weight (max).....21 kg
Downward light output ratio0.82
Peak intensity460 cd/klm
Upper limit of beam68°
Lower limit of beam59°
0° - 30° zone max220 cd/klm
min170 cd/klm

Sealed Linear Tunnel Luminaire

Dust and jet proof luminaire for the lighting of tunnels using tubular fluorescent, high pressure sodium or low pressure sodium lamps. Specifically styled for ease of installation and maintenance. Designed to withstand the adverse conditions commonly encountered in tunnels.

SPECIFICATION

The rigid body is extruded from HE9 aluminium with aluminium end panels. Full length extrusions act as hinge and clamp for the aluminium framed window of heat resisting glass. A special heat resisting gasket provides a jet proof seal. Aluminium components are heavily anodised for additional protection and the luminaire contours are designed to prevent the retention of surface moisture.

Two internal ducts are provided to facilitate through wiring and cable entry is either through the sides or ends of the body as required. Special clamp fixings which engage at any position on lengthwise flanges each side of the body are provided for mounting.

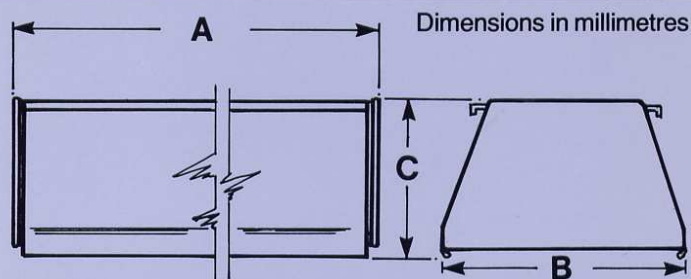
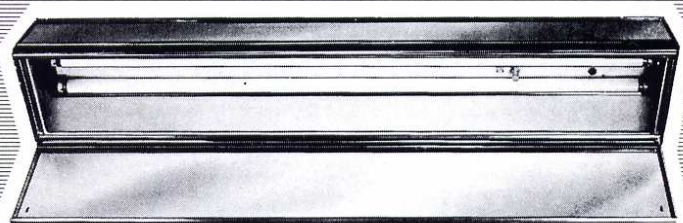
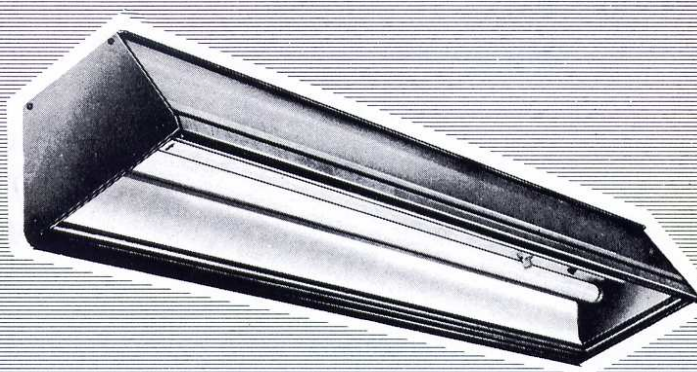
I.P. Classification: IP55

CONTROL GEAR ARRANGEMENT

Each lamp circuit is independently wired and fused. Plug and socket connections allow the gear tray to be easily removed.

EMERGENCY LIGHTING FACILITY

Battery packs and interior units are available mounted on gear trays in fluorescent tube versions to provide emergency lighting in the event of mains power failure.



RANGE AND DIMENSIONS	A LENGTH	B WIDTH	C HEIGHT
Single lamp SON/T 150w. 250w. 400w.	800	320	210
Single or Twin 5ft 65w. fluorescent	1620	320	210
Twin lamp SON/T 150w. 250w. 400w.			
Single lamp SOX 180w.			
Three lamp 5ft 65w. fluorescent	1620	400	210
Twin lamp SOX 180w.			
Single or Twin 6ft 85w. fluorescent	1950	320	210
Three lamp 6ft 85w. fluorescent	1950	400	210

Photometric data available on request. Glare restricting louvres can be supplied for most variants.

Phosco
LIGHTING

T400
Series