

# DECORATIVE AMENITY

**Decorative, amenity  
and side road lighting  
Pedestrian Precincts  
Car Parks**

Phosco Limited  
Charles House,  
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**Phosco**  
LIGHTING



# PHOSCO Spheres



**CU**  
**Phosco**  
LIGHTING



# P456 Range

**P**hosco Spheres are available in a variety of styles, based on 450 mm and 500 mm diameter SEAMLESS enclosures, in opal uv-stabilized high density polyethylene NPE or Clear or Gold Polycarbonate double uv-stabilized.

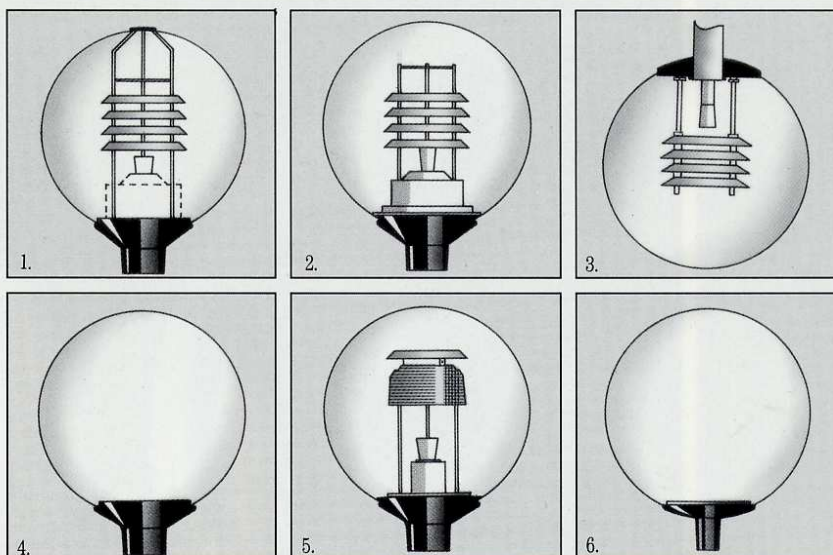
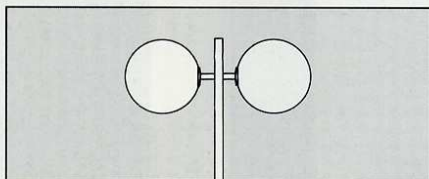
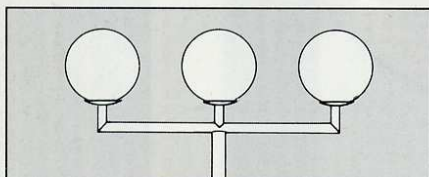
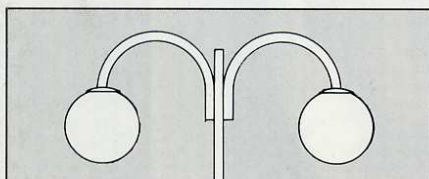
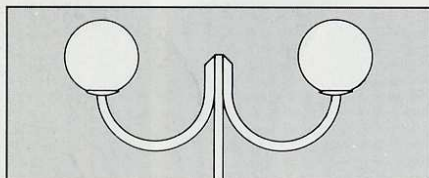
Special bowl finishes in Smoke, Bronze or Frosted are available together with alternative shapes such as cubes and cylinders, details on request.

1. Top fixing with Louvres — 76 mm spigot
2. Base fixing with Louvres — 76 mm spigot
3. Inverted top entry threaded 2" BSP — with Louvres
4. Opal sphere — 76 mm spigot
5. Base fixing with refractor — 76 mm spigot
6. Opal sphere — 60 mm spigot

#### MAXIMUM lamp Wattage and Type. (\* — Integral Gear Possible)

SON	SOX	MBF	MBI	GLS
120W* 150W	35W	125W*	100W*	150W

Some typical column and bracket options:



#### ORDER DATA

	P456	P456LGW	P456TE
Post Top — Top Fixing	•	N/A	N/A
Post Top — Base Fixing	N/A	•	N/A
Top Entry	N/A	N/A	•
Bowl Size: 450 mm	•	•	•
500 mm	•	•	•
Painted Spigot: 76 mm	•	•	N/A
(internal) 60 mm	•	•	N/A
Bowl Colour: Opal	•	•	•
Clear	•	•	•
Gold	•	•	•
Louvre Colour:			
(Anodised Finish) Silver	•	•	•
Gold	•	•	•
Gear: (Spun Cover) Integral	•	•	N/A
Glass Refractor	N/A	•	•
<b>SPECIAL OPTIONS</b>			
Miniature Photocell	•	•	N/A
Tandem Safety Lamp 100 watt TH	•	•	N/A
400 mm Opal only	•	•	•
550 mm 650 mm 750 mm	•	•	•
Side Entry Spigot — opal only	N/A	•	N/A

• Indicates availability

**Phosco**  
LIGHTING

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# POST TOP LANTERN

## GROUP B

### SPECIFICATION

The Phosco P75 post top lantern was designed by Jack Howe, RDI, FRIBA, FSIA and Andrew Bain, ARIBA, ASIA and has been approved by the Design Council. It is suitable for 80/125 watt MBF/U, 35/55 watt SOX, 70/150 watt SON or up to 200 watt Tungsten lamps. Built-in control gear may be supplied for all versions with discharge lamps, except P75/4 with 150 watt SON lamp.

The bowl is made of opalescent ultra-violet stabilised vandal resistant, high density polythene with a spun aluminium canopy.

The lantern base is of die-cast LM6-M alloy incorporating an internal spigot cap and outer flange. All the metal components are protected against corrosion.

Black spinning and spigot.

The Phosco P75 lantern has been designed for lighting pedestrian precincts, conservation areas, subsidiary roads etc.

### DIMENSIONS

Overall diameter	-390mm
Overall height	-500mm
Weight	-6.35 kilos (14 lbs)
Projected area	-0.196m <sup>2</sup>
Fixing	-76mm x 76mm dia. (3" x 3") spigot

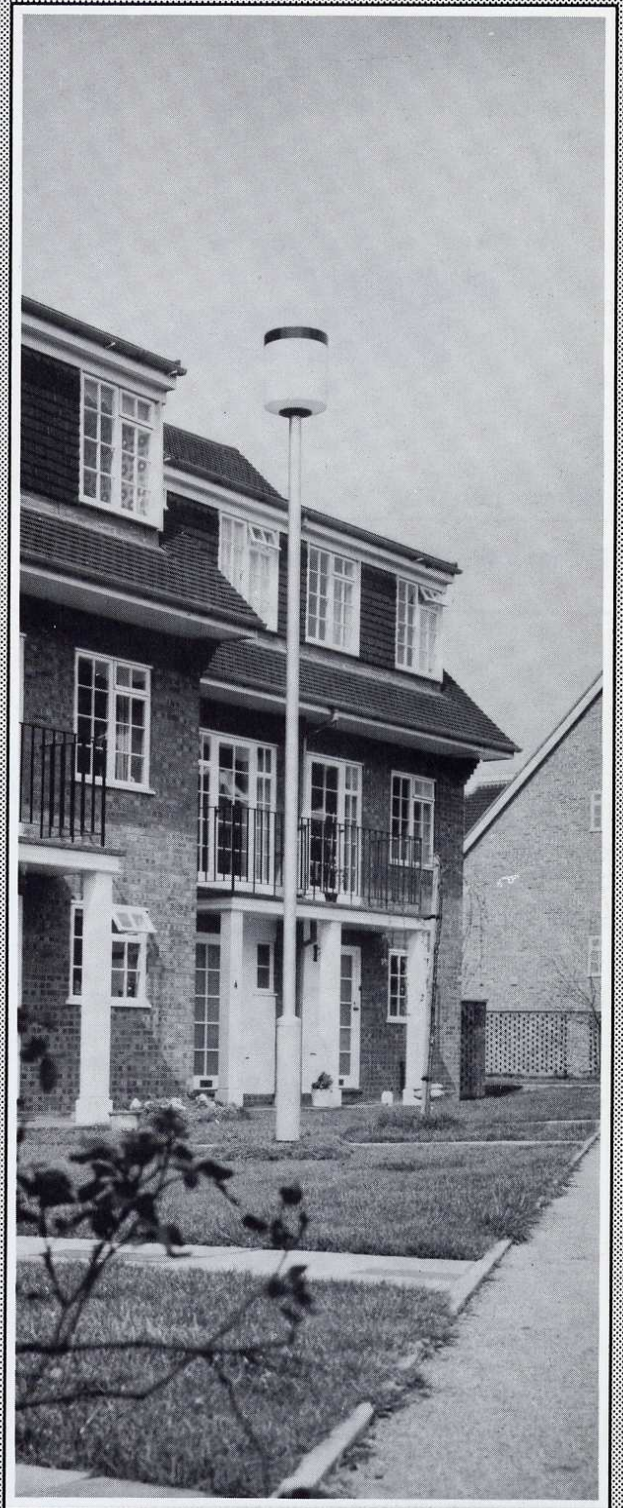
To BS4533. IP54 (Class 1) and BS5489 Part 3 for group B5/6 installing.

Catalogue No.	Lamp
P75/GLS	60/150 Watt G.L.S.
P75/3PBC*	80/125 Watt MBF/U
P75/ES*	200 Watt G.L.S. or 80/125 Watt MBF/U 70/110 Watt SON
P75/GES	150 Watt SON
P75/BC*	35/55 Watt SOX

\*If required with built-in control gear, please add suffix G to Cat. No. and indicate lamp type. E.G. P75/2/G (125 Watt MBF/U) Photocell option.

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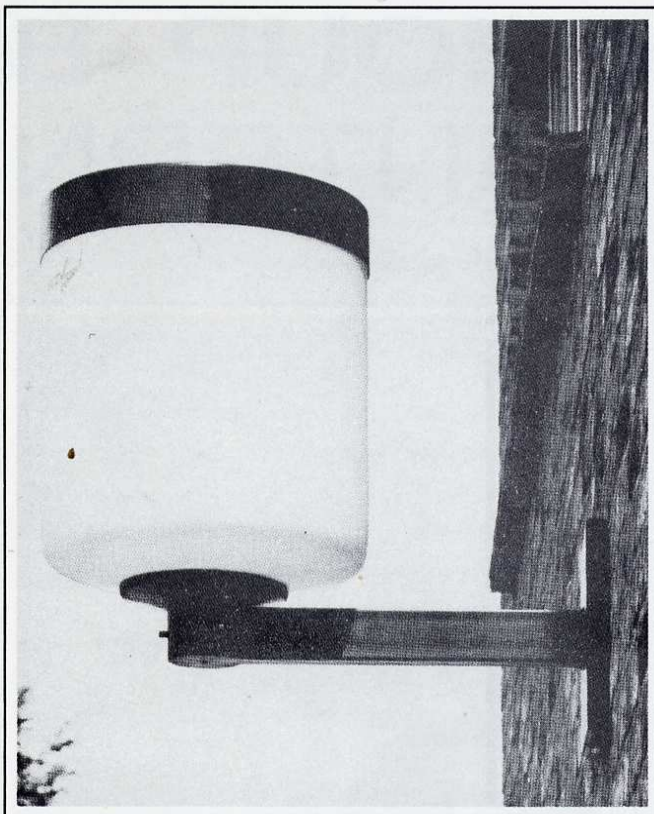
Phosco Lighting  
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Tlx: 81398



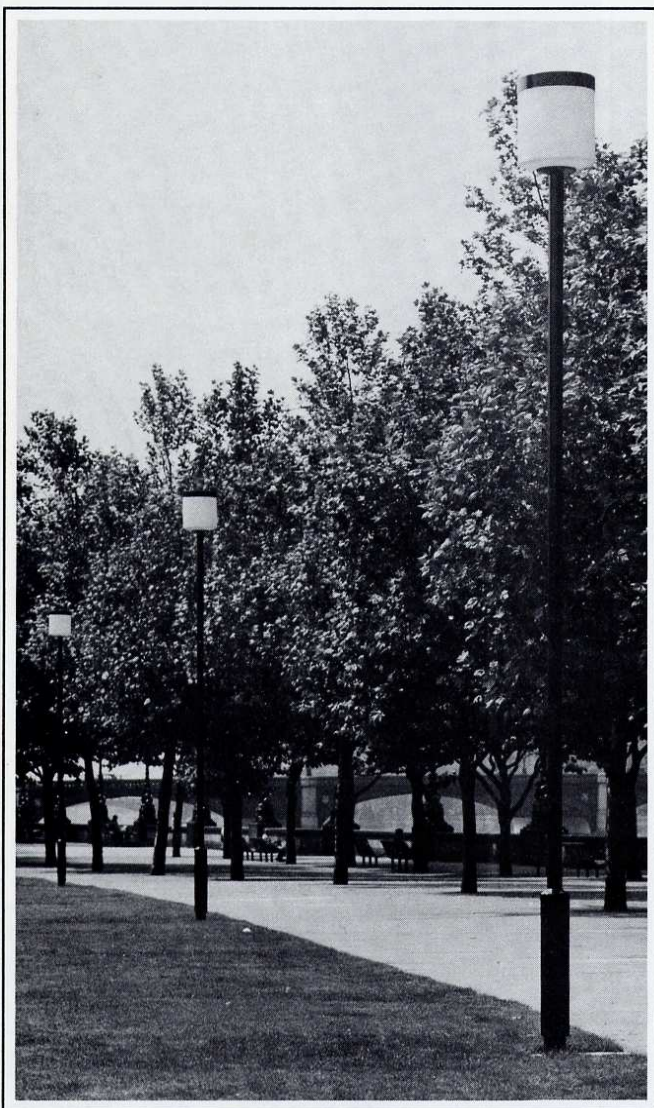
P75 on CU Jubilee Column.

**P75**





P75 on a WB500 Wall Bracket.



Jubilee Gardens, South Bank Centre, London.

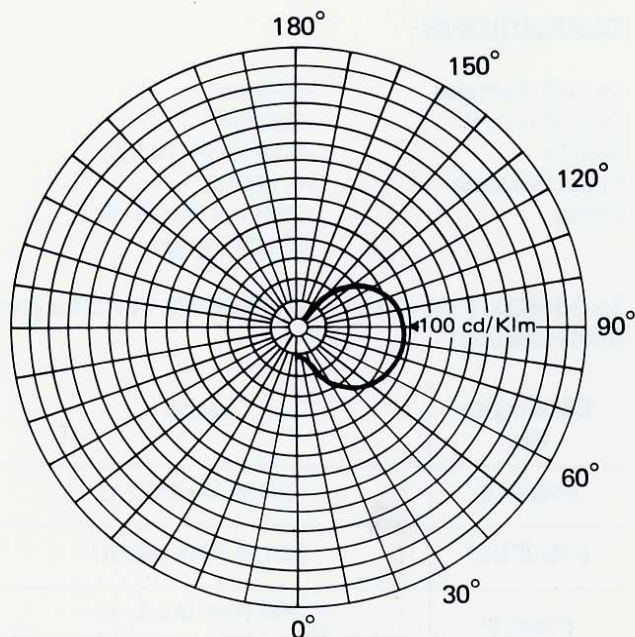
## WALL BRACKET MOUNTING

The wall bracket WB500 consists of a rectangular section steel arm, welded to a mild steel wall plate. A separate steel plate is provided for fixing to the wall by four  $\frac{3}{8}$ " Whitworth Rawlbolts at 153mm (6") centres, to which the bracket and wall plate may be attached.

Alternatively a corner fixing bracket WB501 is available. Fixing by  $\frac{3}{8}$ " Rawlbolts, two on each face, vertical distance apart 224mm, at a distance of 100mm from the corner of the wall. The standard finish of both brackets is matt black stove enamel.

## PERFORMANCE DATA

Light distribution	-symmetric
total light output ratio	-0.82



Phosco Limited reserve the right to amend the design and/or specification without prior notice.



# POST TOP

The P170 'CHINE' lantern has been commended by the Design Council.

## SPECIFICATION

- The P170 lantern consists of an opal diffusing or pin spot bowl of DR acrylic plastic attached to a round cast LM6M aluminium spigot. An internal frame carries the lampholder assembly.

The hood is spun aluminium, powder coated black and is secured by a decorative captive top knob which allows access to the lantern interior. The spigots are finished to match.

The P170 lantern will meet the appropriate requirements of BS 4533 Part 201.3 and BS 5489: Part 3 group B5/6 installations.

IP Classification: IP54

## ORDERING DETAILS

Catalogue No.	Lamp
P170/GLS	60/150w GLS
P170/3 Pin PBC	80/125w MBF
P170/ES	50/80/125w MBF 50/70/110w SON

Options: Photocell, Colour.

Note: Integral control gear is NOT available for P170.

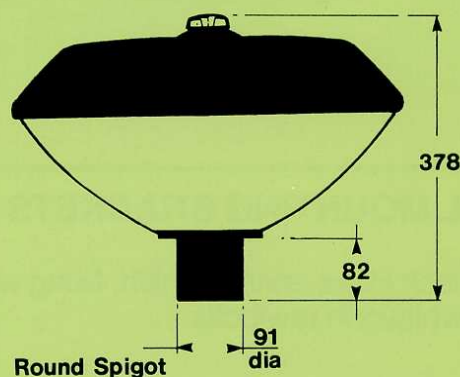
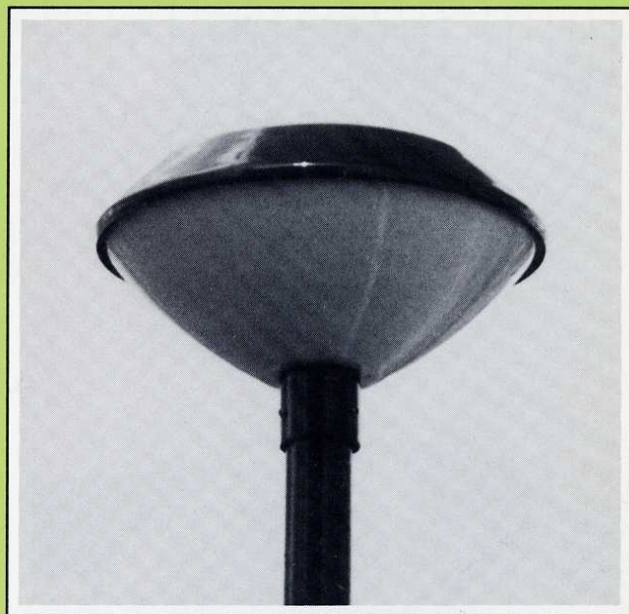
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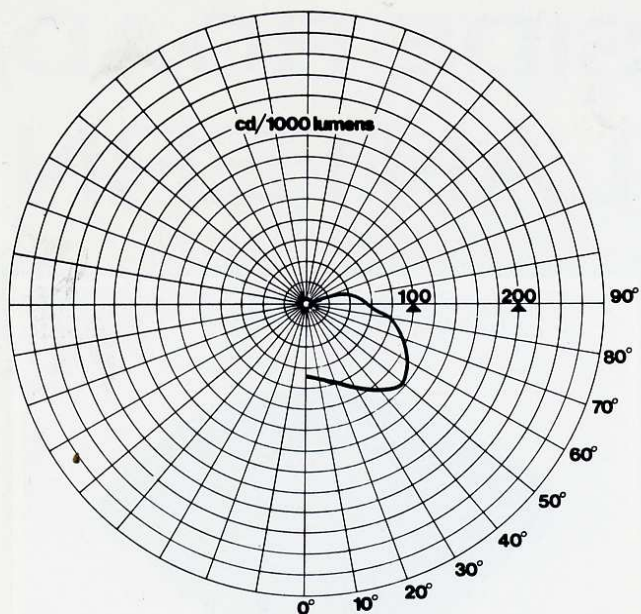
# SIDE ROAD LANTERN



FM 13959

# P170



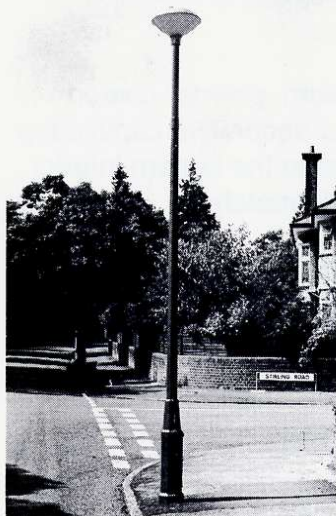
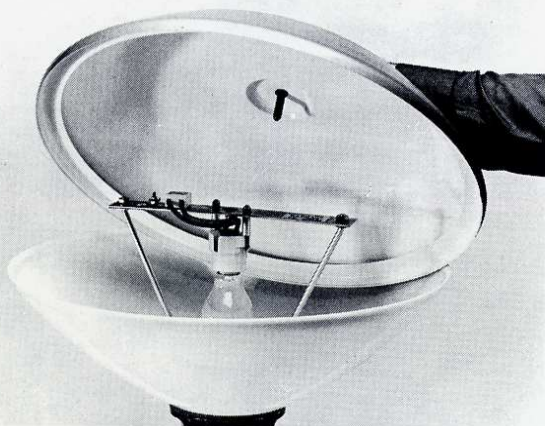


## PERFORMANCE DATA

Light distribution — symmetric  
 Total light output ratio — 0.84  
 Light distribution in the vertical plane —  
 M.B.F./SON

## DIMENSIONS

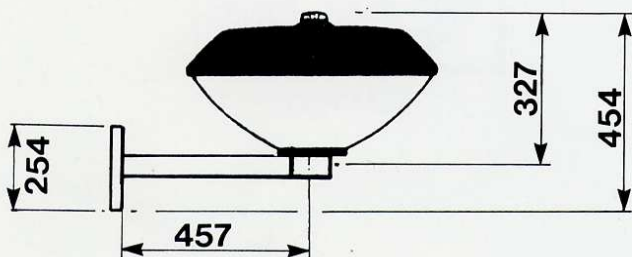
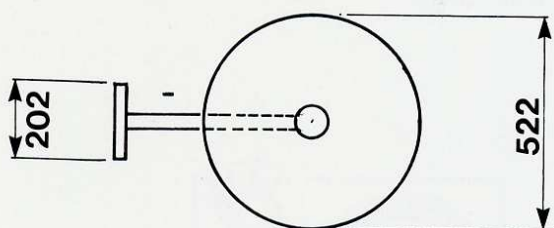
Weight without control gear 5.5kg  
 Projected area: 0.127m<sup>2</sup>  
 Pole Fixing: 76mm x 76mm



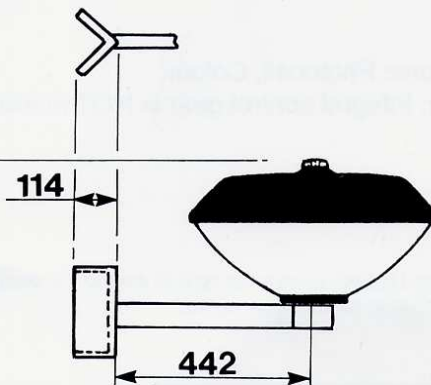
A Phosco P170 'Chine' lantern  
 on existing column at  
 Bournemouth. Photograph by  
 kind permission of  
 Bournemouth Borough  
 Council.

## WALL MOUNTING BRACKETS

Matt black stove enamel finish, fixing via 4  
 x 3/8" whitworth rawlbolts.



WB500 — Flat wall  
 Fixing on separate wall plate at 153mm  
 centre.



WB501 — Corner wall  
 Fixing via two bolts on each wall face  
 vertical distance apart: 224mm at 100mm  
 from corner of wall.



# AMENITY SIDE ROAD POST TOP LANTERN

The Chevron lantern has been commended by the Design Council, the Royal Fine Art Commission and the Civic Trust.

## SPECIFICATIONS

The lantern consists of a diffusing DR acrylic vandal resistant bowl, attached to a cast aluminium spigot cap, which also carries an internal frame for the lampholder assembly.

The hood is of polyester resin-bonded glass fibre and is secured to the inner frame by a captive centre knob, which allows access to the interior.

Finish: Black  
I.P. Rating: 54

For identification when ordering variations from these basic designs add suffixes to the catalogue numbers as follows:-

With built in Control Gear .....G  
(Please also state lamp wattage and type)

Colour choice: Black or Grey.

Example: P172/16/G Black (125W MBF)

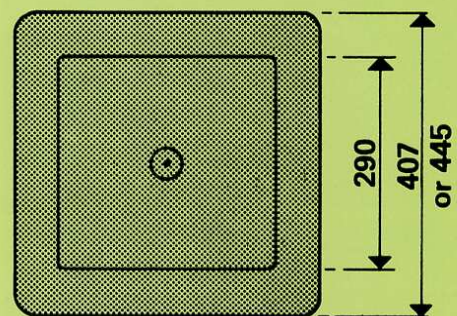
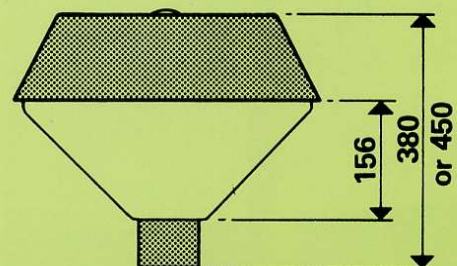
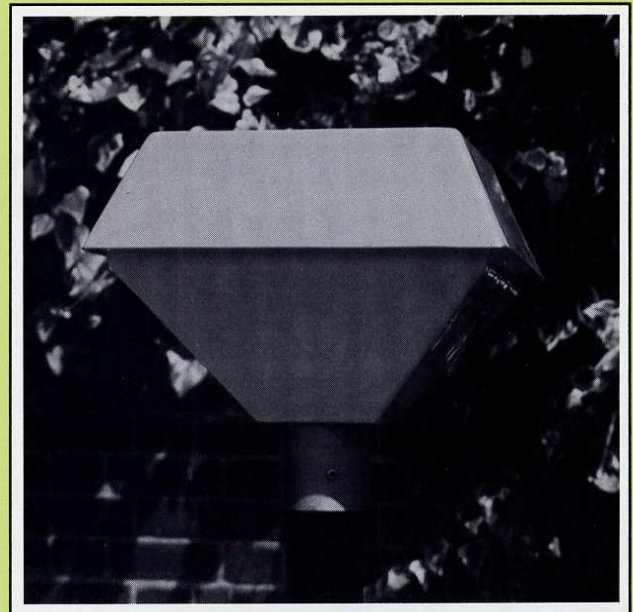
Catalogue No.	Canopy Size	Lamp Types
P172/18	445 mm	80W, 125W MBF, 3 pin BC 75W, 100W MBI, ES 50W, 70W, 110W, 120W SON, ES 35W SOX, BC

Options: Integral control gear, photocell, various colours for hood and spigot.

**Phosco**  
LIGHTING

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The right is reserved to change specifications without prior notification or public announcement.  
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All dimensions are shown in millimetres.

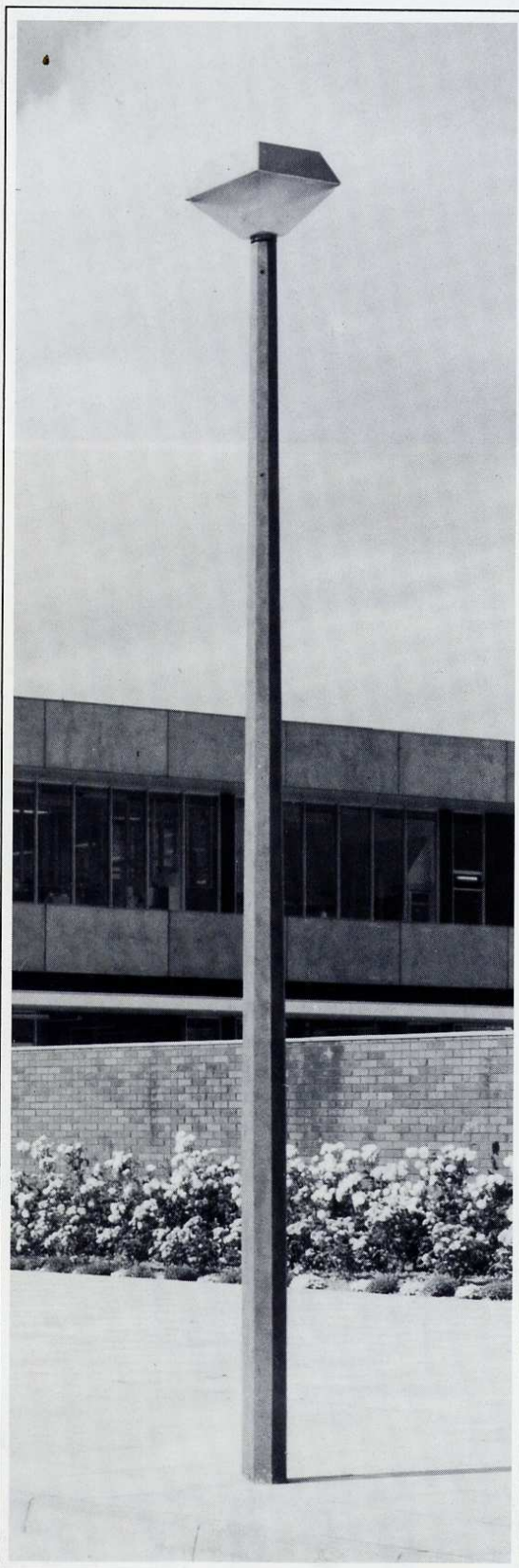


FM 13959

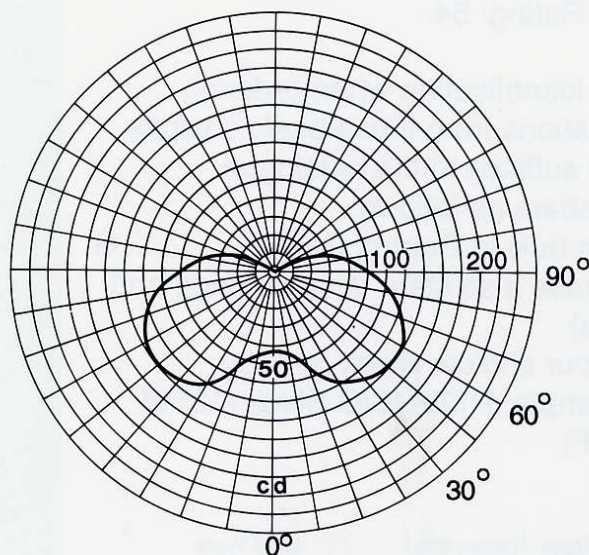
**P172**



# AMENITY SIDE ROAD POST TOP LANTERN



Photograph shows P172 lantern on a CU 5 metre 'Byway NX' concrete column



**LIGHT DISTRIBUTION IN THE VERTICAL PLANE  
MBF/SON**

	P172/16	P172/18
Projected Area	0.09 sq. metres	0.145 metres
Weight (ex lamp and gear)	3.2kg	3.6kg
Fixing	76 mm x 76 mm	76 mm x 76 mm



# Post Top Lanterns

## For Group B Roadlighting

Styled for City Centres, Pedestrian Precincts. Conservation, Housing and Amenity areas the P178, P179 and P222 (see separate leaflet) are a family of similar design to house a variety of lamp combinations.

### SPECIFICATION

BS4533 SEC, 102.3. IP43

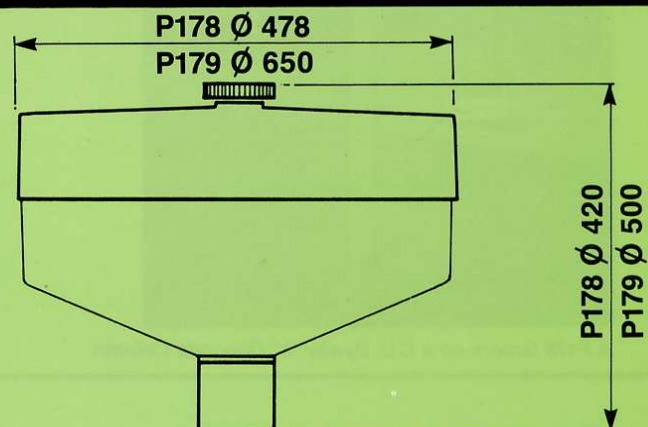
- Canopy — light aluminium spinning finished stove enamelled gloss black.
- Bowl — Opal vandal resistant D.R. Acrylic.
- Inner support frame secured to spigot cap through a pressure plate (P178 only).
- Lampholder(s) carried on top member of frame.
- Spigot cap of LM 6 die cast aluminium finished black.
- Gasket seals for bowl and spigot.
- Captive ornamental black nylon knob at canopy centre.
- Stove enamelled white inside

### FIXING

76 mm x 76 mm spigot.

Add NEMA for Photo-cell socket.  
Add H for hole for miniature Photo-cell.  
Add G if integral gear required.

P178 is also available in circular fluorescent.



Type No.	Maximum lamp wattage — REMOTE control gear				
	GLS	SON	SOX	MBF	MBI
P178	200W	250W	55W	250W	250W
P179	200W	400W	90W	400W	400W
P179 TWIN LAMP	2x200W	2x250W	2x90W	2x250W	2x250W
Type No.	Maximum lamp wattage — INTEGRAL gear				
	GLS	SON	SOX	MBF	MBI
P178	200W	120W	55W	125W	100W
P179	200W	250W	90W	250W	250W
P179 TWIN LAMP	200W	2x120W	2x55W	2x125W	2x100W

# Phosco

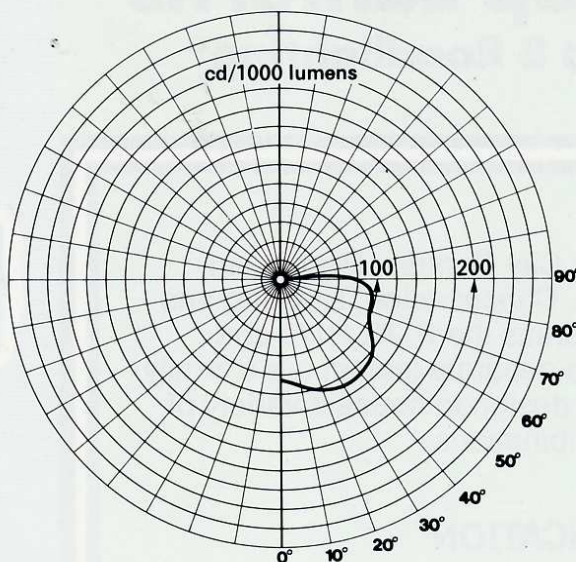
Phosco Limited  
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# P178/9





A P178 lantern on a C.U. Byway 'X' Concrete Column



## PERFORMANCE DATA

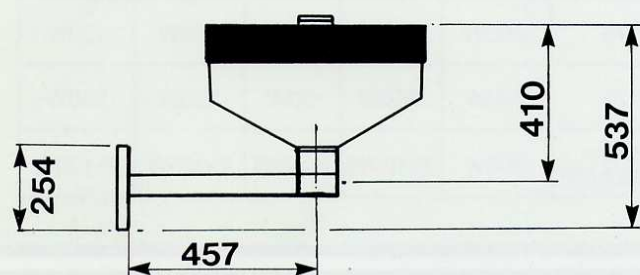
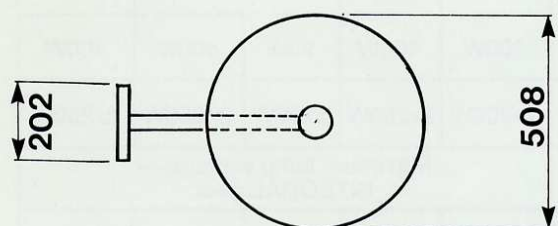
Light distribution — symmetric  
Total light output ratio — 0.84  
Light distribution in the vertical plane —  
M.B.F./SON

## DIMENSIONS

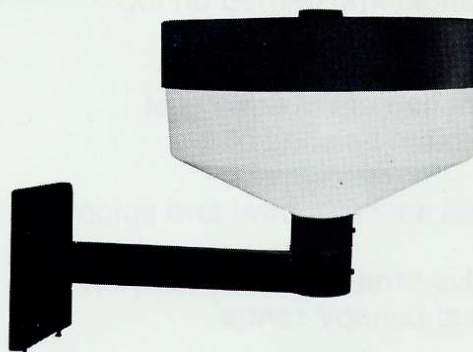
	P178	P179
Weight without control gear:	5.5kg	7.5kg
Projected area:	0.127m <sup>2</sup>	0.193m <sup>2</sup>
Pole Fixing:	76mm x 76mm	

## WALL MOUNTING BRACKETS

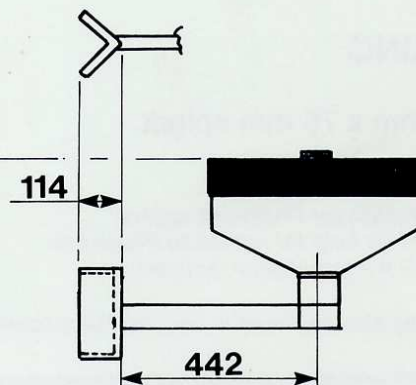
Matt black stove enamel finish, fixing via 4  
x 3/8" whitworth rawlbolts.



WB500 — Flat wall  
Fixing on separate wall plate at 153mm  
centre.



A P178 lantern on a WB500 wall bracket.



WB501 — Corner wall  
Fixing via two bolts on each wall face  
vertical distance apart: 224mm at 100mm  
from corner of wall.



# POST TOP LANTERN

## AMENITY/SIDE ROAD

A stylish range of lanterns designed for easy testing and maintenance with built in control gear and optional neon test facility and/or photocell

### SPECIFICATION

A translucent cone of diffusing high density polythene is surmounted by a canopy, forming a single unit secured to the lantern base by special internal fasteners. The cone is removed by anti-clockwise rotation thus facilitating easy lantern cleaning and lamp replacement.

The lanterns base is of cast aluminium/silicon alloy, grade LM6-M and incorporates a spigot cap suitable for mounting on a column or wall bracket secured by four stainless steel socket head screws.

The lampholder and necessary control gear are mounted in the lantern base. The electrical wiring from the lampholder and gear is connected via a shockproof plug and socket to a terminal block fixed to the lantern base.

In the event of faulty component this internal structure can be unplugged from the supply and removed after releasing two securing screws. A complete replacement gear tray can then be quickly fitted and reconnected.

The lantern can be supplied with a small photocell in the lantern base and a control unit complete with test switch mounted on the removable gear tray. Additional terminals on the plug and socket are provided for connecting the cell to the control unit.

Also available is a small neon indicator lamp connected across the lampholder terminals which glows only in the event of a lamp failure. A fault in the ballast or blown fuse will not cause the indicator to glow, thus assisting a deciding whether it is necessary to replace the lamp or the control gear unit in the event of a failure.

(Note: The indicator lamp is not suitable for lanterns with 35W SOX lamps.)

I.P. Classification: IP54

The P351/2 lantern will meet the appropriate requirements of BS 4533 Part 201.3 and BS 5489: Part 3 group B5/6 installations. Spigot: 76mm

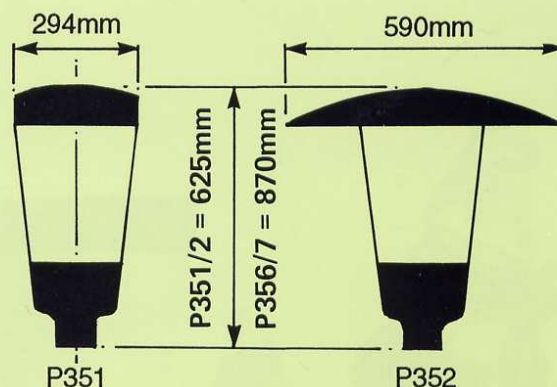
### STANDARD FINISH

Black powder coating

Options: Colour, Neon indicator, Photocell.

NOTE: Please add suffix 'N' to the catalogue number if a neon indicator to detect lamp failure is required, and suffix 'PC' for inclusion of photocell switch control.

EXAMPLE: P351/1/N/PC



CATALOGUE No.	LAMP AND HOLDER	WEIGHT inc. control gear Kg	
P351/1	110W SON max. ES	7.2	CHASE
P351/2	150W SON max. GES	9.3	
P351/3	125W MBF max. BC 3 slot	7.1	
P351/5	35W SOX max. BC	6.8	
P352/1	110W SON max. ES	10.8	CHANCELLOR
P352/2	150W SON max. GES	7.5	
P352/3	125W MBF max. BC 3 slot	9.6	
P352/5	35W SOX max. BC	7.4	

Projected area: 0.15m<sup>2</sup>



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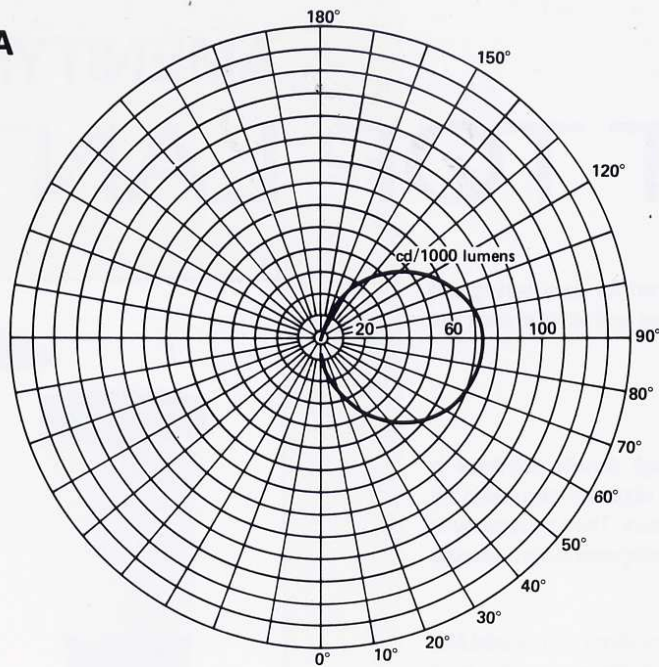
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# P351/2



## PERFORMANCE DATA



LIGHT DISTRIBUTION IN THE VERTICAL PLANE - MBF/SON

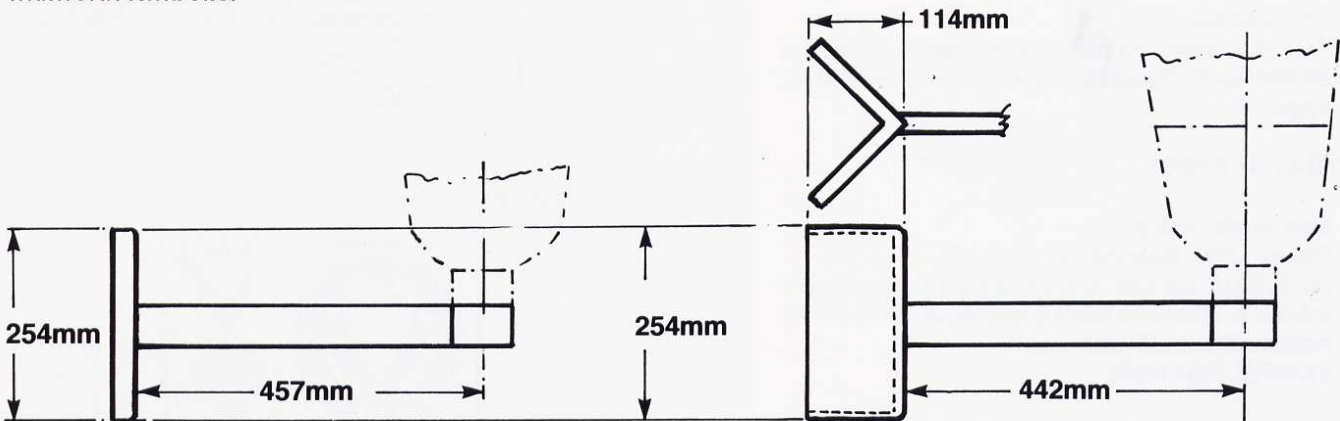


Light distribution symmetric  
Total light output ratio: 0.68

The P351 lantern with  
diffuser and canopy  
removed from the base and  
control gear unit.

## WALL MOUNTING BRACKETS

Matt black stove enamel finish, fixing via 4 x 3/8" whitworth rawbolts.



WB500 - Flat wall  
Fixing on separate wall plate at 153mm centre.

WB501 - Corner wall  
Fixing via two bolts on each wall face vertical  
distance apart: 224mm at 100mm from corner of  
wall.



# AMENITY/SIDE ROAD POST TOP LANTERN

The P530 'Merlin' is an elegant decorative post top lantern of classic modern design for domestic, civil and commercial amenity applications.

## SPECIFICATION

The P530 lantern consists of an opal diffusing bowl of vandal resistant DR acrylic plastic attached to a round cast LM6M aluminium spigot.

An internal frame carries the lampholder assembly.

The hood is spun aluminium, powder coated black and is secured by a decorative captive top knob which allows access to the lantern interior. The spigots are finished to match.

The P530 lantern will meet the appropriate requirements of BS 4533 Part 201.3 and BS 5489 Part 3 group B5/6 installations.

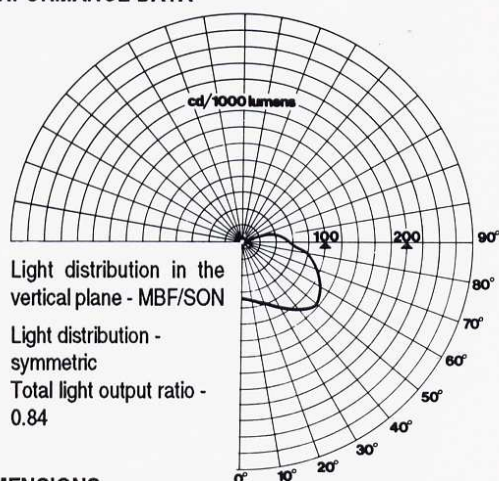
IP Classification: IP54

## ORDERING DETAILS

Catalogue No.	Lamps (max)
P530/ES	250W MBI/MBF/SON
P530/ 3 Pin BC	125W MBF
P530/BC	35W SOX

Options: Photocell, Colour, Integral control gear (not 250W).

## PERFORMANCE DATA



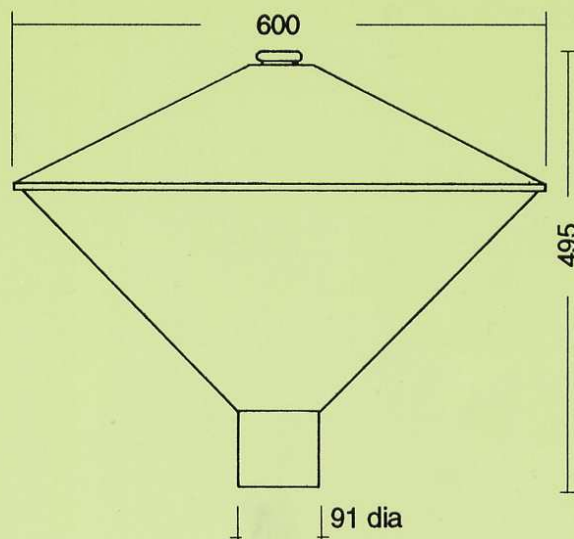
## DIMENSIONS

Weight without control gear: 5.5kg  
 Projected area: 0.143m<sup>2</sup>  
 Pole fixing: 76mm x 76mm  
 Wall brackets: WB500 (457mm O/R) and WB501 (442mm O/R)

**Phosco**  
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**P530**