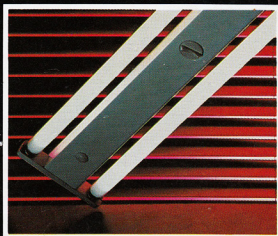
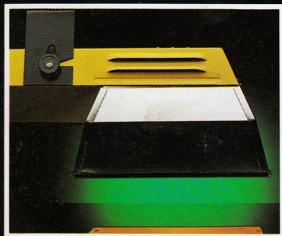
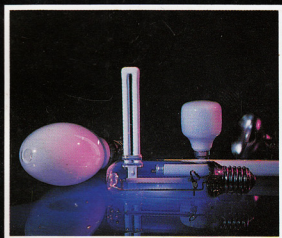


Osram-GEC

LIGHTING CATALOGUE



**LOOKING AT ENERGY SAVING
IN A DIFFERENT LIGHT.**

INTRODUCTION

GEC (Street Lighting) Limited offer a total outdoor lighting service to all home and overseas customers. All aspects of road lighting are covered from motorways to residential streets. Many lanterns are suitable for factory roads, loading areas, dockyards, car parks and industrial or commercial estates.

A wide selection of decorative and amenity lanterns are available in modern or traditional styles and special designs can be produced for particular requirements.

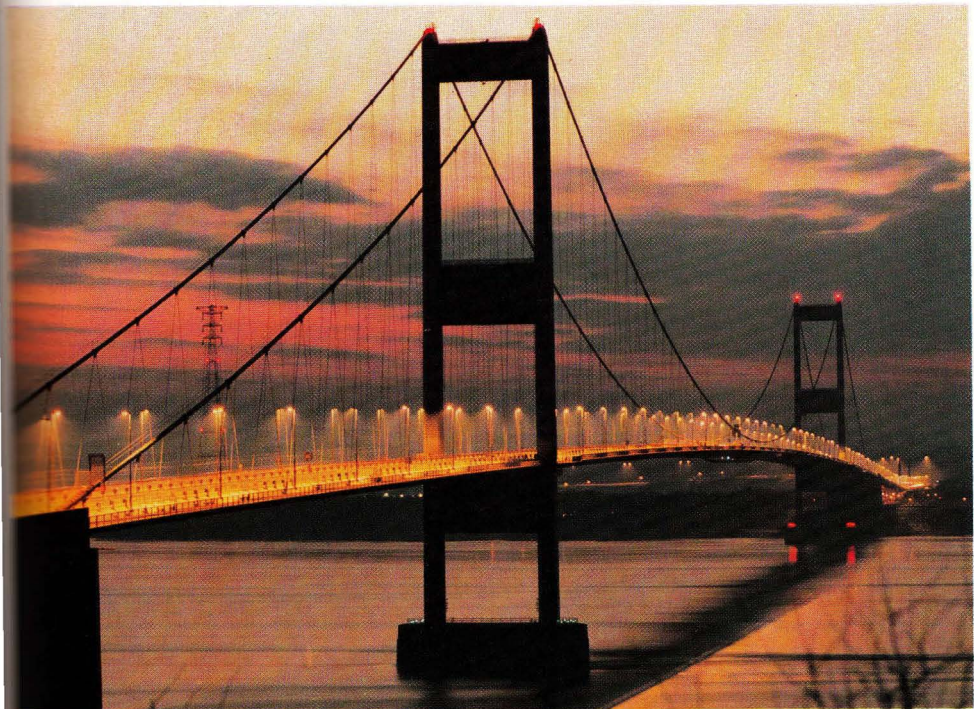
High mast lighting was pioneered in Great Britain by GEC Street Lighting in 1964. Since that date the company have continued as market leaders in the design and development of this lighting technique and manufacture and supply equipment worldwide.

GEC are the experts in the lighting of tunnels and underpasses and a large choice of purpose designed lanterns are available to meet any requirement

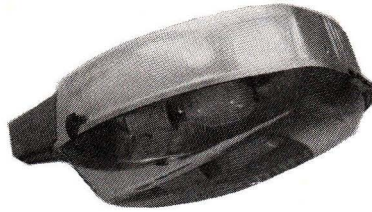
A range of lighting columns in hot dip galvanised steel for main and side roads is available. In addition side road columns can be supplied from stock made in lightweight aluminium or reinforced glass fibre.

GEC high quality control gear is available for operating the full range of discharge lamps and includes high efficiency low watts loss sodium ballasts giving significant energy savings.

All necessary accessories, control gear boxes, wall mounting and wood pole clamp brackets are available.



Severn Bridge, using 250W SONP-T Plus lamps and Z8611 lanterns



Z8524 Cutoff.

Z8526 Semi-Cutoff.

For use with 250-400 watt Truelite MBF/U or 250-400 watt Solarcolour SON lamp.

The lantern is for lighting traffic routes to BS5489. For mounting heights up to 10 metres the 250W SON, 250W or 400W MBF/U lamp can be used. For 12 metres the 400W SON is required. It complies with BS1783, is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 125mm long spigot 42mm in diameter. Pressed aluminium reflector optic, polished and anodised. Die cast aluminium end support. The body is enclosed by a hinged injection moulded Diakon bowl.

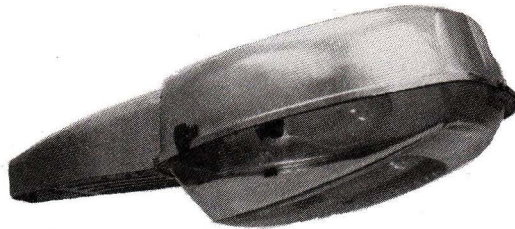
Length 77.5cm

Width 50cm

Depth 30.5cm

Weight 4.99kg

Wind Area 0.173m²



Z8534 Cutoff.

Z8536 Semi-Cutoff.

For use with 250-400 watt Truelite MBF/U or 250-400 watt Solarcolour SON lamp.

The lantern is for lighting traffic routes to BS5489. For mounting heights up to 10 metres the 250W SON, 250W or 400W MBF/U lamp can be used. For 12 metres the 400W SON is required. It complies with BS1788, is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 125mm long spigot 42mm in diameter.

Pressed aluminium reflector optic, polished and anodised. Die-cast aluminium end support with lamp operating gear.

The body is enclosed by a hinged injection moulded Diakon bowl.

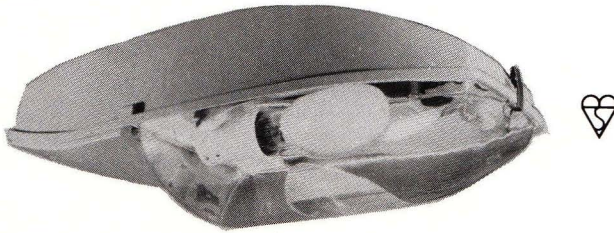
Length 98.5cm

Width 50cm

Depth 30.5cm

Weight 14.77kg max.

Wind Area 0.212m²



Z8600 for 150/250 watt SON-E or 250 watt MBF/U. Gear remote.

Z8601 for 150/250 watt SON-T. Gear remote.

Z8610/150E for 150 watt SON-E. Integral gear.

Z8610/250E for 250 watt SON-E. Integral gear.

Z8610/250M for 250 watt MBF. Integral gear.

Z8611/150T for 150 watt SON-T. Integral gear.

Z8611/250T for 250 watt SON-T. Integral gear.

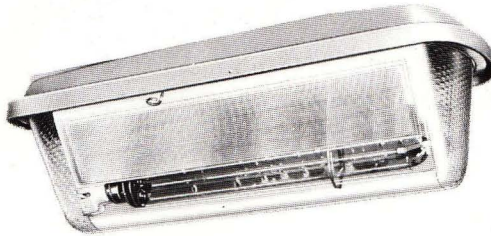
The lantern is designed for lighting traffic routes to BS5489 at a mounting height of 8 metres and above. It complies with BS4533: Part 2 Section 2.7 : 1976, is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 100mm long spigot 42mm in diameter.

The body is moulded in SMC glass reinforced polyester, housing the lamp operating gear.

Optical control provided by two high purity aluminium alloy reflectors. The light distributions can be either cutoff or semi-cutoff. Injection moulded anti-vandal U.V. stabilised enclosing bowl.

Length 74.6cm Width 34.0cm Depth 24.0cm Wind Area 0.133m²
 Weight **Z8600/1** 4.7kg **Z8610/11** 9.3kg max.



Z9454 Remote gear Semi-Cutoff.

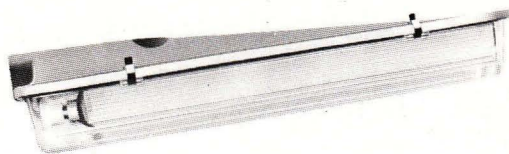
Z9464 Integral gear Semi-Cutoff.

For use with 90 watt Super SOX or 66 watt SOX-E sodium lamp.

The lantern is designed for Group B8 installations at a mounting height of 8 metres as defined in B.S.C.P. 1004 : Part 2 : 1974. It complies with BS1788, is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 125mm long spigot 42mm in diameter. Die cast aluminium body with an injection moulded acrylic or anti-vandal U.V. stabilised polycarbonate refractor bowl.

Length 66cm Width 29.5cm Depth 23.5cm Weight **Z9454** 5.39kg **Z9464** 11.5kg Wind Area 0.149m².



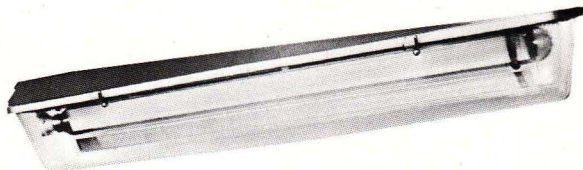
Z9554M Semi-Cutoff.

For use with 135 watt Super SOX or 91 watt SOX-E sodium lamp.

The lantern is designed for Group A 10 installations at a mounting height of 10 metres as defined in B.S.C.P. 1004 : Part 2 : 1974. It complies with BS4533 : Part 2 : Section 2.7 : 1976. is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 125mm long spigot 42mm in diameter. The body is moulded in S.M.C. glass reinforced polyester, with an injection moulded acrylic refractor bowl.

Length 87.6cm Width 21cm Depth 17.1cm Weight 4.88kg Wind Area 0.121m²



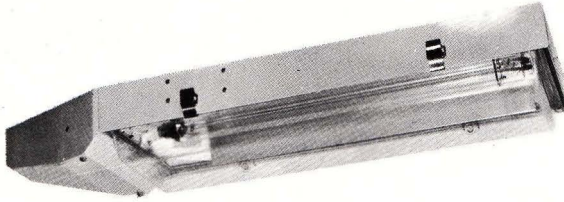
Z9564 Semi-Cutoff.

For use with 180 watt Super SOX or 131 watt SOX-E sodium lamp.

The lantern is designed for Group A 12 installations at a mounting height of 12 metres as defined in B.S.C.P. 1004 : Part 2 : 1974. It complies with BS1788, is kite marked and D.O.T. accepted.

Side entry mounting socket accepts a 125mm long spigot 42mm in diameter. Die cast aluminium body with a moulded acrylic refractor bowl.

Length 123.2cm Width 21cm Depth 21.6cm Weight 7.06 kg Wind Area 0.223m²



Z9543 for 90 watt Super SOX or 66 watt SOX-E sodium lamp Cutoff.

Z9553 for 135 watt Super SOX or 91 watt SOX-E sodium lamp Cutoff.

Z9563 for 180 watt Super SOX or 131 watt SOX-E sodium lamp Cutoff.

Z9543 is designed for a mounting height of 8 metres.

Z9553 is designed for Group A 10 installations at a mounting height of 10 metres and

Z9563 for Group A 12 at a height of 12 metres.

The lanterns comply in all respects with the requirements of BS4533 : Part 2 : Section 2.7 : 1976, are kite marked and D.O.T. accepted.

The lanterns have a high downward light output ratio of up to 73%.

Side entry mounting accepts a 100mm or 125mm long spigot 42mm in diameter. The lantern is locked to the spigot by two substantial steel saddles.

The body is made of heavy gauge aluminium and a formed steel reinforcing bracket is through bolted to the die-cast integral gear compartment.

Optical control is obtained with brightened and anodised faceted reflectors. The lantern is enclosed by a clear moulded acrylic bowl.

Z9543 : Length 87.7cm	Width 32.4cm	Depth 15.2cm	Weight 14.5kg	Wind Area 0.109m ²
Z9553 : Length 112.5cm	Width 32.4cm	Depth 15.2cm	Weight 17.58kg	Wind Area 0.159m ²
Z9563 : Length 147.4cm	Width 32.4cm	Depth 15.2cm	Weight 19.16kg	Wind Area 0.213m ²



M62 Motorway, Manchester, using 180W Super SOX lamps and Z9563 lanterns.



Height 45.7cm

Diameter 45.7cm

Weight 5.4kg

Wind Area 0.092m²

- Z5670** For 60-200 watt GLS lamp, BC cap.
- Z5671** For 80-125 watt MBF/U lamp. 3/BC cap.
- Z5672** For 60-200 watt GLS 80-125 watt MBF/U or 70-120 watt SON lamp, ES cap.
- Z5678** For 35 watt Super SOX or 26 watt SOX-E lamp, BC cap.
- Z5679** For 80-125 watt MBF/U lamp 3/BC cap but no dome refractor.
- Z5679HPS** For 50-70-120 watt SON lamp, ES cap but no dome refractor.

The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of a cast aluminium spigot cap and a top canopy moulded in DMC glass reinforced polyester. Non-axial or symmetric dome refractor optical system with an injection moulded acrylic or anti-vandal UV stabilised polycarbonate enclosing cone.



Height 58.4cm

Diameter 45.7cm

Weight 6.4kg

Wind Area 0.116m²

- Z5673** For 60-200 watt GLS lamp, BC cap.
- Z5674** For 80-125 watt MBF/U lamp, 3/BC cap.
- Z5675** For 60-200 watt GLS, 80-125 watt MBF/U or 70-120 watt SON lamp, ES cap.
- Z5676** For 35-55 or 26-36 watt sodium lamp, BC cap.
- Z5677** For 80-125 watt MBF/U lamp, 3/BC cap but no dome refractor.
- Z5677HPS** For 50-70-120 watt SON lamp, ES cap but no dome refractor.

The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of a cast aluminium spigot cap and a top canopy moulded in DMC glass reinforced polyester. Non-axial or symmetric dome refractor optical system with an injection moulded anti-vandal UV stabilised polycarbonate enclosing cone.



- Z5713** For 60-200 watt GLS or 35 watt sodium lamp, BC cap 11" cone.
- Z5714** For 80-125 watt MBF/U lamp, 3/BC cap 11" cone.
- Z5715** For 60-200 watt GLS, 80-125 watt MBF/U or 70-120 watt SON lamp, ES cap 11" cone.
- Z5718** For 35-55 or 26-36 watt sodium lamp, BC cap 16" cone.
- Z5719** For 80-125 watt MBF/U lamp, 3/BC cap 16" cone.

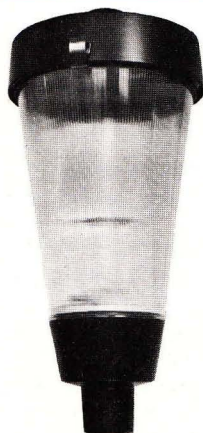
The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of a cast aluminium spigot cap and a spun aluminium hinged top with an injection moulded anti-vandal UV stabilised polycarbonate enclosing cone. The lantern is stove enamelled black.

Z5713/4/5: Height 45cm
Z5718/9: Height 59cm

Diameter 34.5cm
 Diameter 34.5cm

Weight 2.7kg
 Weight 3.7kg

Wind Area 0.092m²
 Wind Area 0.133m²



- Z5698U** For 35-55 or 26-36 watt sodium lamp, BC cap 16" cone.
- Z5699U/80** For 80 watt MBF/U lamp, 3/BC cap 11" cone.
- Z5699U/125** For 125 watt MBF/U lamp, 3/BC cap 11" cone.
- Z5699U/70** For 70 watt SON lamp, ES cap.

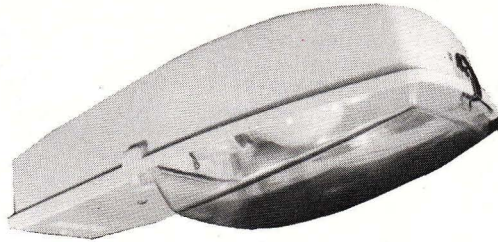
The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of an extended cast aluminium spigot cap containing the lamp control gear and a spun aluminium hinged top canopy with an injection moulded anti-vandal UV stabilised polycarbonate enclosing cone. The lantern is stove enamelled black.

Z5698U: Height 71cm
Z5699U80: Height 52cm
Z5699U125: Height 52cm
Z5699U70: Height 52cm

Diameter 34.5cm
 Diameter 34.5cm
 Diameter 34.5cm
 Diameter 34.5cm

Weight 6.9kg
 Weight 6.89kg
 Weight 7.76kg
 Weight 7.76kg

Wind Area 0.156m²
 Wind Area 0.152m²
 Wind Area 0.152m²
 Wind Area 0.152m²



- Z8830/35** For 35 watt Super SOX or 26 watt SOX-E lamp, BC cap.
- Z8831/80** For 80 watt MBF/U lamp. 3/BC cap.
- Z8831/125** For 125 watt MBF/U lamp. 3/BC cap.
- Z8832/70** For 70 watt SON lamp ES cap.

The lantern is designed for Group B side road lighting, car parks and other outdoor areas.

Side entry mounting socket accepts a 76mm long spigot 34mm in diameter.

The body is moulded in SMC glass reinforced polyester, housing the lamp operating gear.

Optical control provided by two high purity aluminium alloy reflectors. Injection moulded anti-vandal UV stabilised enclosing bowl.

Length 54cm
Weight 5kg

Width 27cm
Wind Area 0.067m²

Depth 18cm



- ZD6526** For 70 watt SON lamp 3/BC cap. 11" cone.
- ZD6528** For 35 watt Super SOX or 26 watt SOX-E lamp, BC cap, 16" cone.

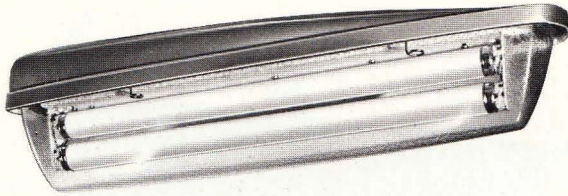
The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of a cast aluminium spigot cap and a top canopy moulded in DMC glass reinforced polyester with an injection moulded anti-vandal UV stabilised polycarbonate enclosing cone. The lamp control gear is mounted within the lantern on a gear tray which is easily removable.

Height 45.7cm

Diameter 45.7cm

Weight **ZD6526:** 5.5kg
ZD6528: 6.5kg

Wind Area 0.092m²



Z8260 For use with two 40 watt MCFA/U 2ft fluorescent tubes.

The lantern is designed for Group B side road lighting, industrial roadways or general security lighting.

Side entry mounting socket accepts a 76mm long spigot 34mm in diameter. Die cast aluminium body housing the lamp operating gear. Moulded anti-vandal UV stabilised polycarbonate enclosing bowl.

Length 73cm

Width 17.2cm

Depth 19.1cm

Weight 7.26kg

Wind Area 0.130m²



Z8896 For use with 80-125 watt MBF/U lamp. 3/BC lamp.

Z8897 For use with 70 watt SON lamp ES cap.

The lantern is designed for Group B side road lighting, car parks and other outdoor areas.

Side entry mounting socket accepts a 76mm long spigot 34mm in diameter. Die cast aluminium body with an injection moulded anti-vandal UV stabilised polycarbonate refractor bowl.

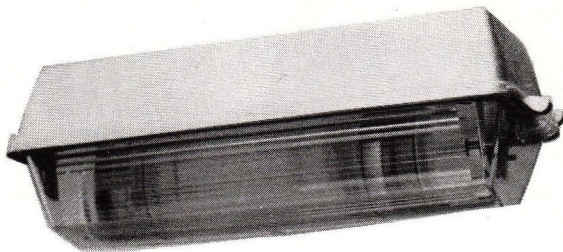
Length 35.6cm

Width 26.7cm

Depth 19.7cm

Weight 2.27kg

Wind Area 0.069m²



- Z9580** Side entry without operating gear.
Z9581 Top entry without operating gear.
Z9582 Side entry with integral operating gear.
Z9583 Top entry with integral operating gear.

The lanterns are for use with a 35 watt Super SOX or 26 watt SOX-E sodium lamp. Lanterns for use with an 18 watt Super SOX lamp can be supplied to special order.

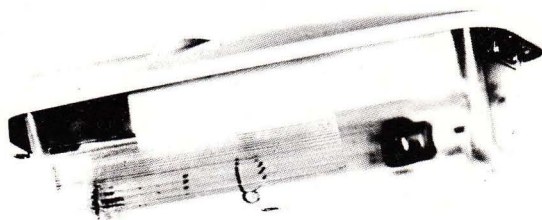
The lantern is designed for Group B side road lighting, industrial roadways or general security lighting. Side entry lanterns accept an 80mm long spigot 34mm in diameter.

The top entry version is tapped $\frac{1}{4}$ " BSP.

The lantern body is a high pressure die-casting in LM6 aluminium alloy. Injection moulded toughened acrylic or anti-vandal UV stabilised polycarbonate refractor bowl.

The integral gear versions are fitted with energy saving low ballast.

Z9580:	Length 41.3cm	Width 14.5cm	Depth 13.6cm	Weight 1.6kg	Wind Area 0.51 ²
Z9581:	Length 40.7cm	Width 14.5cm	Depth 14.7cm	Weight 1.6kg	Wind Area 0.50 ²
Z9582:	Length 41.3cm	Width 14.5cm	Depth 13.6cm	Weight 3.1kg	Wind Area 0.51 ²
Z9583:	Length 40.7cm	Width 14.5cm	Depth 14.7cm	Weight 3.1kg	Wind Area 0.50 ²



- Z9536M** Side entry without operating gear.
Z9537 Top entry without operating gear.
Z9538M Side entry with integral operating gear.
Z9539 Top entry with integral operating gear.

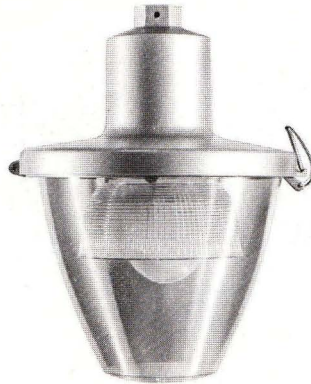
The lanterns are for use with 35-55 watt Super SOX or 26-36 watt SOX-E sodium lamp.

The lantern is designed for Group B side road lighting, industrial roadways or general security lighting.

Side entry lantern mounting socket accepts a 76mm long spigot 34mm in diameter. The top entry version is tapped $\frac{1}{4}$ " BSP.

The side entry body is moulded in SMC glass reinforced polyester. The top entry version is die cast aluminium. Injection moulded anti-vandal UV stabilised polycarbonate refractor bowl. The integral gear versions are fitted with energy saving low watts loss ballast.

Z9536M:	Length 54.6cm	Width 19cm	Depth 18.2cm	Weight 3.00kg	Wind Area 0.093m ²
Z9537:	Length 54.6cm	Width 19cm	Depth 18.2cm	Weight 3.63kg	Wind Area 0.093m ²
Z9538M:	Length 54.6cm	Width 19cm	Depth 18.2cm	Weight 5.00kg	Wind Area 0.093m ²
Z9539:	Length 54.6cm	Width 19cm	Depth 18.2cm	Weight 5.63kg	Wind Area 0.093m ²



- Z5590** For 60-200 watt GLS lamp, BC cap.
- Z5591** For 80-125 watt MBF/U lamp 3/BC cap.
- Z5592** For 60-200 watt GLS 80-125 watt MBF/U or 70-120 watt SON lamp, ES cap.

The lantern is designed for Group B side road lighting, industrial roadways or general security lighting. Die cast aluminium top entry body tapped 3/8" BSP. Non-axial or symmetric dome refractor optical system with injection moulded anti-vandal UV stabilised polycarbonate enclosing bowl.

Height 34.9cm Diameter 24.8cm Weight 1.04kg Wind Area 0.046m²



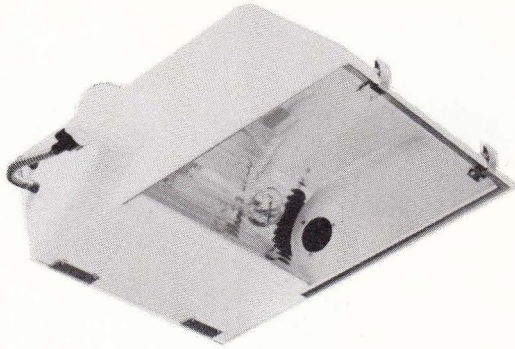
- Z5680** For 60-200 watt GLS lamp, BC cap.
- Z5681** For 80-125 watt MBF/U lamp 3/BC cap.
- Z5682** For 60-200 watt GLS or 80-125 watt MBF/U or 70-120 watt SON lamp, ES cap.

The lantern is designed for Group B side road lighting and all forms of amenity lighting. The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. The lantern body consists of a cast aluminium spigot cap, opal acrylic or anti-vandal diffusing bowl and a spun aluminium top canopy.

The lantern is stove enamelled bronze.

Height 32.8cm Diameter 47.5cm Weight 3.6kg Wind Area 0.101m²

AMENITY



Z9105/6 For use with a 1kW SON-T or two 400 Watt SON-T lamps

The lantern is designed for lighting large areas including glare sensitive situations such as docks, airports and motorways. It can be mounted on towers, high masts and building structures. A computer derived reflector, accurately profiled in high purity aluminium, gives an asymmetric light distribution with a high peak intensity at a beam elevation of 65° with little or no light above the horizontal. The body is made in steel, precoated by a hot dip protective process, pretreated and further protected by a white paint system, inside and out. Integral control gear. The lantern is enclosed by a thermally toughened clear glass panel. All hinges and catches are of stainless steel. A smaller version, **Z9104**, is available for use with 150/250/400 SON-T lamp.

Length 71.1cm

Width 57.1cm

Depth 23.8cm

Wind Area side 0.21m²

Weight 1 x 1000W 40kg

Weight 2 x 400W 34kg



Crawley New Town. Amenity lighting with Z9101 Spacelight lanterns and 400W SON-T lamps.



Z9100 Fluted Front Glass.

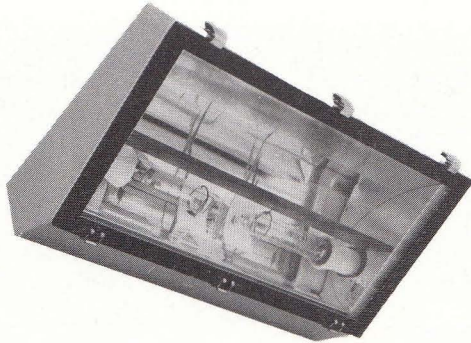
Z9101 Plain Front Glass.

For use with 250-400 watt Solarcolour SON-T or SON-E lamps or 250-400 watt MBF/U mercury lamps.

The lantern is designed for lighting carriageways from positions on building faces parallel to the road, from high masts or columns. The lantern can also be used for the floodlighting of large squares and areas between buildings such as High Rise Flats.

Aluminium sheet body with hinged and glazed front frame. Super purity anodised reflector. Integral control gear.

Length 52.4cm Width 25.7cm Depth 61.3cm Weight 18kg Wind Area side: 0.103m², plan: 0.251m²



Z9102 Fluted Front Glass.

Z9103 Plain Front Glass.

For use with two 250-400 watt Solarcolour SON-T or SON-E lamps or 250-400 watt MBF/U mercury lamps.

The lantern is designed for lighting carriageways from positions on building faces parallel to the road. The lantern can also be used for floodlighting large areas from high masts.

Aluminium sheet body with extruded aluminium hinged and glazed front frame. Super purity anodised reflector. Integral control gear.

Length 78.6cm Width 30.5cm Depth 61.3cm Weight 29kg Wind Area side: 0.377m², plan: 0.103m²

AMENITY



ZD4542 For use with 80-125 watt MBF/U lamp, 3/BC cap. A modified version for low wattage Solarcolour lamps is available.

The lantern is very suitable for the lighting of pedestrian precincts and all other forms of amenity and decorative lighting.

The spigot cap fits a 7.6cm diameter by 7.6cm high column spigot. A feature of the unit is that the translucent seamless sphere forming the main body of the lantern is made from anti-vandal polycarbonate. This sphere, 50cm in diameter is secured to a cast aluminium spigot base carrying the support for the symmetric or non-axial dome refractor optical system.

Also available with diffused or opal sphere.

Diameter 50cm Weight 3.9kg Wind Area 0.196m²



Z5760/35 For 35 watt Super SOX or 26 watt SOX-E lamp, BC cap.

Z5761/80 For 80 watt MBF/U lamp, 3/BC cap.

Z5761/125 For 125 watt MBF/U lamp, 3/BC cap.

Z5762/70 For 70 watt SON lamp, ES cap.

Wall mounted Group B lighting. The lantern is very suitable for pedestrian precincts and all other forms of amenity lighting where it is inconvenient to use a column.

The lantern consists of a die-cast light alloy body complete with integral control gear. Hinged to the body is die-cast light alloy frame carrying an opal anti-vandal enclosing panel moulded in polycarbonate. The lantern is stove enamelled black.

Also available with diffused acrylic panel.

	Length	Width	Depth	Weight	Wind Area
Z5760/35:	37cm	27.8cm	23.8cm	6.37kg	0.072m ²
Z5781/80:	37cm	27.8cm	23.8cm	6.05kg	0.072m ²
Z5761/125:	37cm	27.8cm	23.8cm	6.44kg	0.072m ²
Z5761/70:	37cm	27.8cm	23.8cm	7.23kg	0.072m ²



Queen Elizabeth II Law Courts, Liverpool, using 70W SON-E lamps and ZD4542 lanterns.



Manama Palace, Bahrain. Special decorative lanterns housing 250W SON-E lamps.

COLUMNS

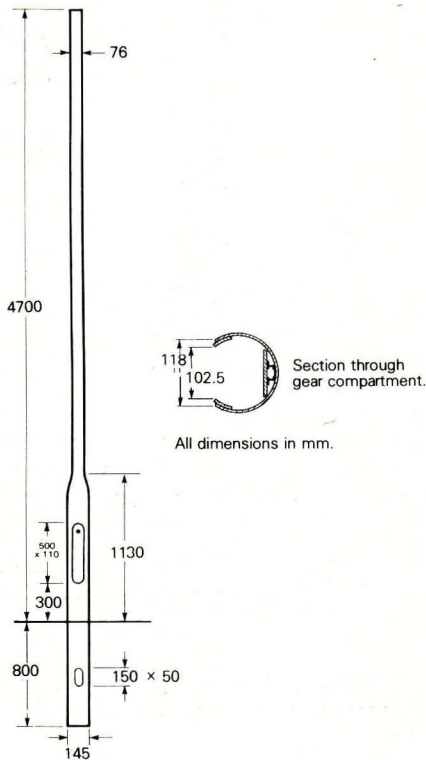
The range of readily available GEC columns include maintenance free tubular aluminium and fibre glass tapered shafts for post top lanterns or with a choice of brackets for side or top entry lanterns. Painting is not necessary and the light weight reduces handling and installation costs. Octagonal, tapered steel columns produce a lantern mounting height from 5 metres to 12 metres. All conform to BS1840/1960 and are hot dip galvanised to BS729/71 for a durable and maintenance free finish.

All columns up to 6 metres have a flush fitting door with a tamper proof lock. 8m, 10m and 12m columns have a door opening which complies with the DOT Technical Memorandum BE/472 and a door also with a tamper proof lock.

The hardwood backboard in the column base compartments is treated with a preservative.

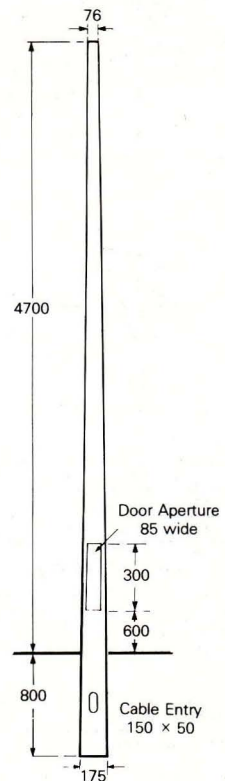
Aluminium Columns

ZP2800

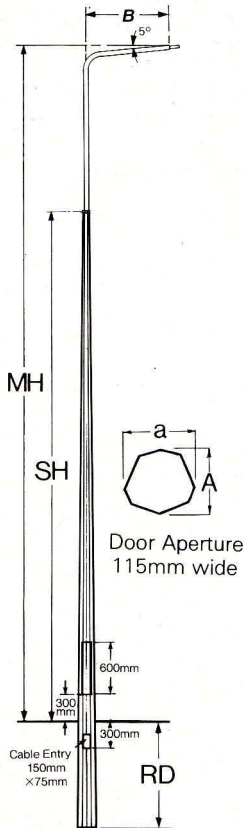


Fibreglass Columns

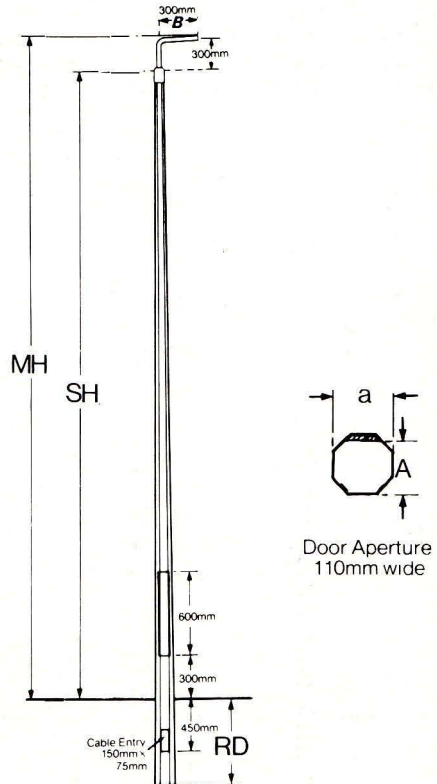
ZP3300



Group A Steel Columns



Group B Steel Columns



MH (Mounting height)	5m	6m	8m	10m	12m
SH (Height out of ground)	4.7m	5.7m	6m	8m	10m
Shaft base across flats	156mm	175mm	195.5mm	231.5mm	260.5mm
Shaft top diameter	76mm	76mm	76mm	76mm	76mm
RD (planted root)	800mm	1000mm	1.20m	1.50m	1.70m
Cross section of column at door A x a	126 x 142mm	142 x 158mm	200 x 200mm	224 x 224mm	224 x 224mm
B Bracket projection	0.3m	0.3m	1.0m or 1.5m or 2.0m		
Weight of shaft only	32kg	39kg	77kg	115kg	158kg
Weight of shaft and bracket	0.3m	35kg	42kg	—	—
	1.0m	—	—	95kg	133kg
	1.5m	—	—	97kg	135kg
	2.0m	—	—	100kg	138kg
Typical weight of lantern and windage	5.63kg	5.63kg	15.7kg	17.58kg	19.15kg
	0.093m ²	0.093m ²	0.121m ²	0.159m ²	0.213m ²

INSTALLATIONS

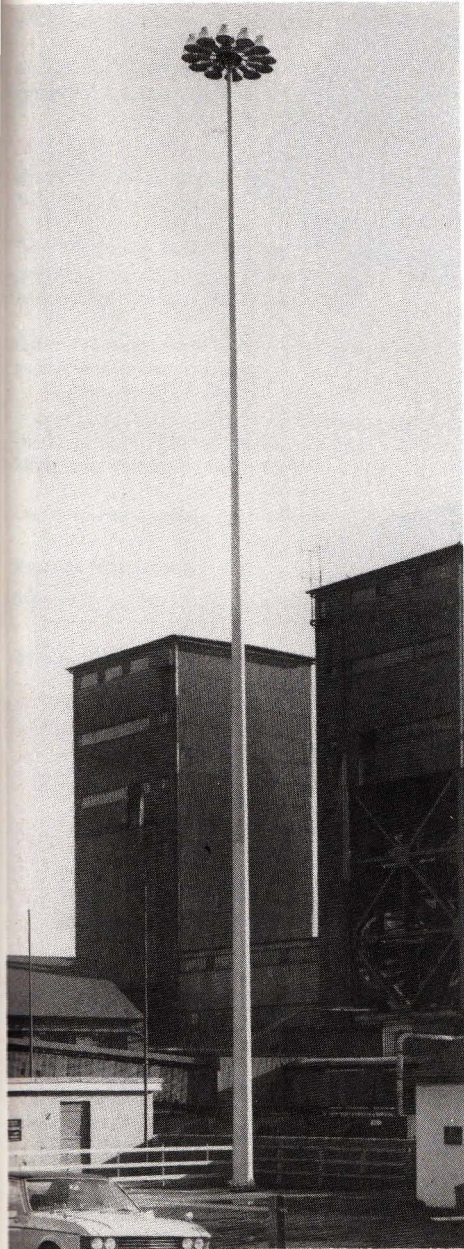


Kuwait Motorway. 30 metre Masts with 1000W MBI lanterns.



Renfrew Motorway, Glasgow. 18 to 36 metre Masts with 400W Solarcolour lanterns.

HIGH MAST LIGHTING



30 metre Mast with twelve **Z3430** lanterns for Solarcolour lamps.

High mast lighting is ideal for city centres, motorway intersections, flyover complexes and all industrial or commercial areas where a high standard of lighting is required from a relatively few number of units. Light sources such as Solarcolour high pressure sodium or Super SOX low pressure sodium with their high lumen outputs have further added to the benefits of high mast lighting in terms of cost effectiveness.

Industrial and commercial use of high mast lighting includes docks, railway yards, motorway service areas, airport terminal car parks and aircraft taxi-aprons, high security lorry parks and security lighting for HM prisons. For the small user one or two masts will provide effective, economical lighting covering the whole of their external premises.

The GEC lighting mast is produced in two versions, a standard mast and a light duty mast.

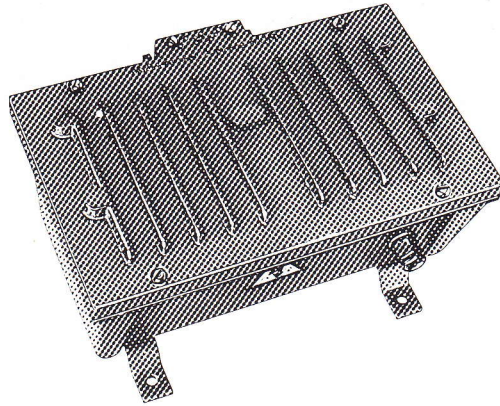
The standard mast is available in heights of 20m, 25m and 30m but can be produced in various heights up to 45m.

The light duty mast has heights of 16m, 18m and 20m and is suitable for the smaller lighting scheme, car parks, sports areas, etc, where the use of up to six lanterns is sufficient.

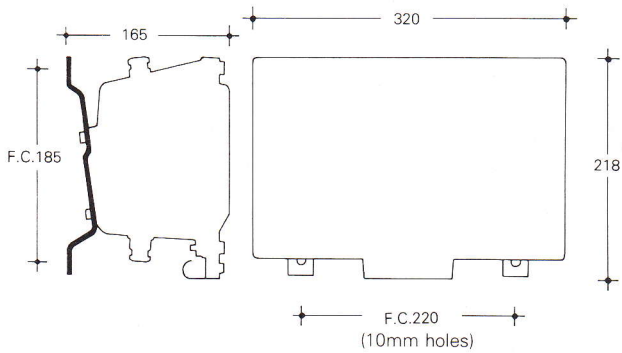
Both masts are of a continuously tapered 18 sided design manufactured from high tensile steel plate and finished hot dip galvanised.

A variety of lantern carriages are available allowing a wide choice of lanterns and floodlights to be carried at the mast head.

GEC have developed special lanterns enabling various masthead arrays to provide complete flexibility in light distribution arrangement including lanterns with optical systems that can be varied from symmetric to directional control.



Dimensions



These prewired gear boxes are suitable for use with all discharge lamps from 150W to 400W. They are designed for mounting, vertically or horizontally both indoors and outdoors.

Reduces installation time ★ Maximum ambient 45°C ★ 220 and 240V tapped control gear ★ Stainless steel hinge ★ Dust tight ★ Jet proof ★ Vertical and horizontal mounting ★ Plug and socket connection.

SPECIFICATION

Body: LM6M corrosion resistant die cast aluminium alloy. Fitted with two nylon cable glands suitable for 10mm O.D. cables.

Mounting straps are fastened to the body by four stainless screws. A five way terminal block provides the connections for the mains supply and lamp. The connection to the control gear is by a plug and socket.

Gear Tray/Lid: Cast LM6M corrosion resistant aluminium alloy. When open the lid is supported by a stainless steel hinge.

Tapped 220/240 volt 50 Hz HPF control gear is mounted on the lid together with an electronic starter in the case of high pressure sodium gear. Secured to the body by four stainless steel screws against a neoprene rubber gasket.

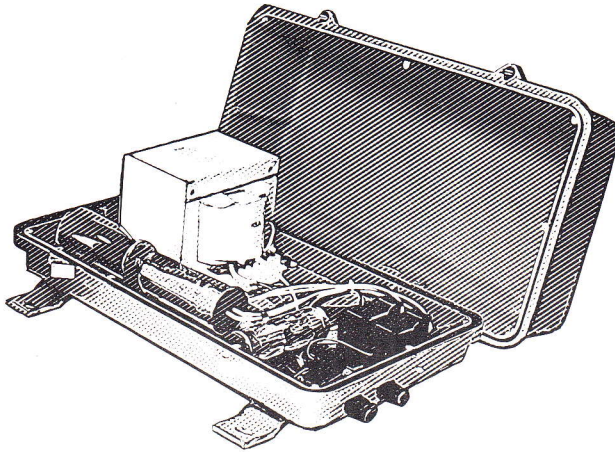
Designed to comply with BS4533. 1981.

Ingress Protection I.P. 65 Dust tight and Jet proof.

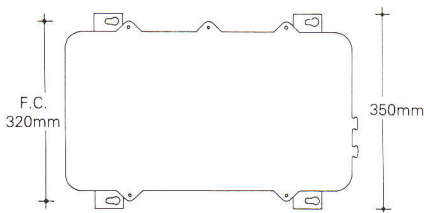
Maximum ambient temperature 45°C

Timesaver Range

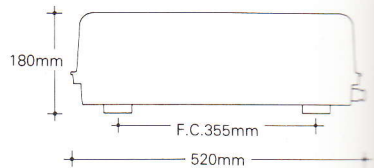
Cat. No. Complete Gear Box	Lamp Type	Consisting of		Electrical Data			Weight in kg
		Body Cat. No.	Gear Tray Cat. No.	Supply Volts	Circuit Watts	Power Factor	
TS150	150W SON	All TSB	GT150	Tapped 220V and 240V	170	0.90	9
TS250	250W SON		GT250		280	0.89	9.5
TS310	310W SON		GT310		340	0.88	9.5
TS400	400W SON		GT400		440	0.86	9.5
TS250M	250W MBF		GT250M		280	0.85	9
TS400M	400W MBF		GT400M		430	0.81	9
TS400C	400W MBI		GT400C		430	0.88	9.5



Dimensions



Keyhole fixings for M8 bolts



These prewired gear boxes are suitable for use with all GEC discharge lamps from 600-2000W. They are designed for mounting, vertically or horizontally both indoors and outdoors.

SPECIFICATION

Cover: made from glass reinforced plastic. Secured to the gear tray/base against a neoprene gasket by four stainless steel screws. A nylon lanyard holds the cover captive to the gear tray/base.

Gear Tray/Base: Made from LM6M corrosion resistant die cast aluminium alloy and fitted with two nylon cable glands suitable for 4-7mm O.D. cables. Inside, adjacent to the cable glands, is a 4-way terminal block accepting 6mm² cable. One or two fuse carriers are fitted with fuse(s) to BS88 (1975) appropriate for the lamp wattage. The high pressure sodium and 2kW MBI control gear include electronic starting devices as standard.

The control gear is power factor corrected and suitable for 220 + 240 volt or 380 + 415 + 440 volt supplies.

Fixing Straps: Made from galvanised steel and fastened to the gear tray/base by four stainless steel screws.

Designed to comply with BS4533. 1981.

Ingress Protection I.P. 65. Dust tight and jetproof.

Maximum ambient temperature 45°C.

RANGE

Cat No. Complete Gear Box	Lamp Type	Electrical Data			Weight in kg
		Supply Volts	Circuit Watts	Power Factor	
GB600LV	600W SON	220/240	645	0.87	16.5
GB1KWL	1000W SON	220/240	1090	0.87	24.5
GB700M*	700W MBF	220/240	740	0.85	16.0
GB1KWMLV*	1000W MBF	220/240	1040	0.87	16.5
GB600HV	600W SON	380/415	645	0.92	17.0
GB1KWHV	1000W SON	380/415	1090	0.87	24.5
GB1KWMHV*	1000W MBF	380/415	1035	0.93	16.5
GB2KW	2000W MBI	380/415	2085	0.86	24.5

* Available to order only.