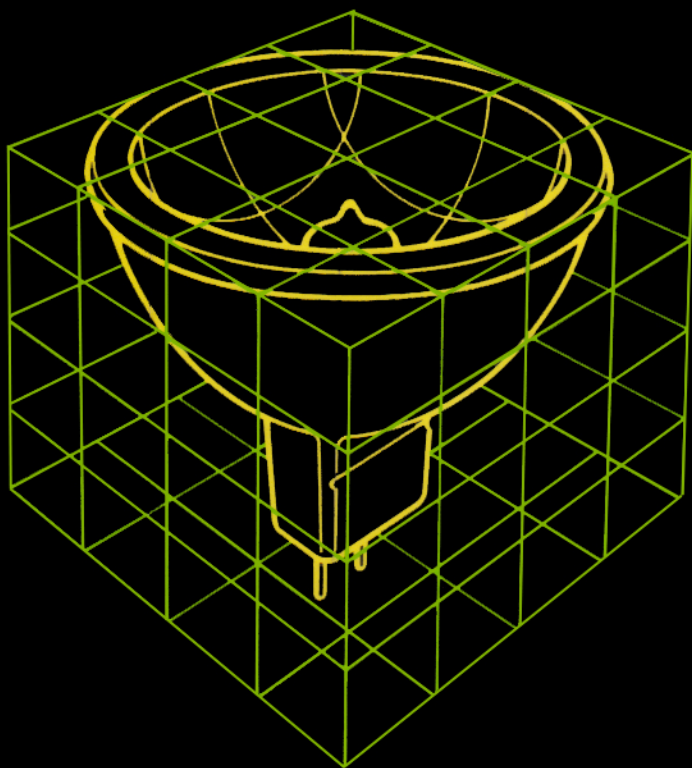
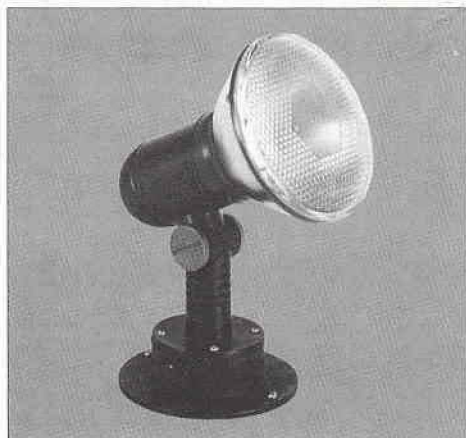


THE
COMPREHENSIVE
CATALOGUE
1987/8



 **THORN EMI Lighting**

Miniflood	162
Sunflood	163
Haline 5/10	164
Haline 15	165
Sonline	166
Area Flood	167
OW Series Floodlights	168
M25 Junior	169
OQ 1000	170
Sunspot 500	171
SONPAK 7	172
SONPAK 15/25	173
Floodlighting Accessories	174
Escort Wellglass	176
SOXPAK	177
Escort OB Fluorescent Bulkhead	178
Escort OLG/OLV Tungsten Bulkhead	179
2D Bulkhead	180



ORB 1150

APPLICATIONS

A compact, low cost, outdoor floodlight for achieving decorative effects in parks, gardens etc. or illuminating signs and other features where an inconspicuous floodlight is required.

DESCRIPTION

MAIN BODY: injection moulded 30% glass filled black polyester.

ADAPTOR: injection moulded glass filled black nylon.

MOUNTING BASE/WIRING BASE: OR1, injection moulded glass filled black nylon.

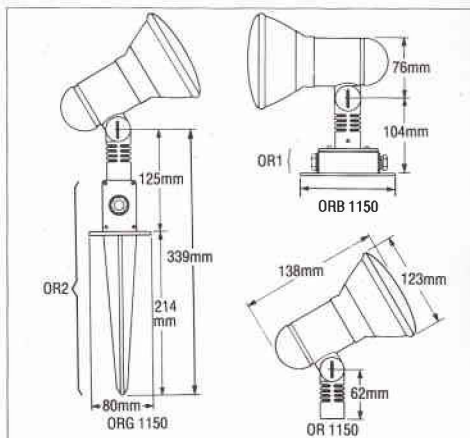
LAMPHOLDER: porcelain E.S. Catalogue number GL 1131.

MAINS TERMINAL BLOCK: 2 way. Catalogue number GT 1281/2. Each terminal will accept a 1 x 2.5mm² cable. (Housed within the OR1 and OR2).

WIRING ENTRY*: OR1* – via 2 M20 tapped holes. Each hole will accept cable 4mm to 7mm O/D.

OR2 (Garden Spike)* – via 2 Pg11 tapped holes. Each hole will accept cable up to 7mm O/D.

* Note that the OR 1150 is supplied with 2 x 1 metre flying leads.



MOUNTING: ORB 1150—via 1 hole and 1 key hole slot, both suitable for 4mm diameter screws, situated on the base of OR1.

OR 1150—Using a threaded length of 20mm conduit (maximum length 1 metre).

Using the EKB Wall Bracket or the EKC Corner bracket. See Floodlighting Accessories section for further information.

LAMP TO BODY SEALING RING: ORS, Black Silicone rubber.

LAMP TYPES:

PAR 38 150W Spotlamp

PAR 38 150W Floodlamp

PAR 38 100W Spotlamp

PAR 38 100W Floodlamp

PAR 38 100W Lacquered (Blue, Green, Yellow, Red)

CLASSIFICATION FOR PROTECTION IP54

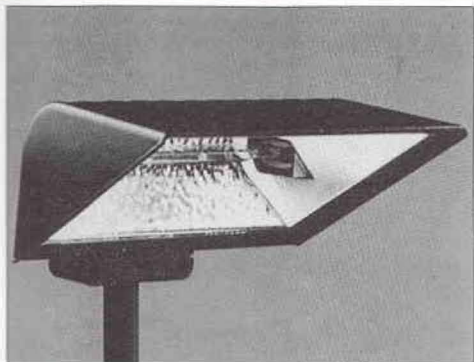
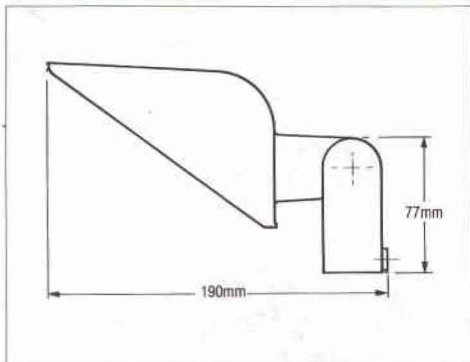
Against electric shock: Class II— double insulated (Earthing not required).

Against ingress of moisture or dust: IP54, Rainproof, Complies with BS4533:102.1

* Note that OR1 and OR2 are designed solely as spare items for ORB 1150 and ORG 1150. They are *not* to be used in the conversion of the OR 1150 to one of the other versions, since no locking screw is provided.

RANGE

Cat. no.	Description	Weight kg
OR 1150	Floodlight body c/w 2 single core high temperature cables each 1 metre in length	0.3
ORB 1150	Floodlight body c/w wiring box base and 150W PAR 38 floodlamp	0.7
ORG 1150	Floodlight body c/w garden spike and 150W PAR 38 floodlamp	0.73


SUN 500

APPLICATIONS:

designed for outdoor use **only**, this low cost area floodlight is suitable for car parks, forecourts, security, gardens, patios, work areas, etc.

DESCRIPTION:

MAIN BODY: pressure die-cast aluminium alloy finished in black powder coat paint. All external screws/bolts are stainless steel.

REFLECTOR: hammer finish, chemically brightened and anodised aluminium.

LAMPHOLDER: GL 1208, single fine silver tipped plated copper contact with high temperature coil spring and ceramic body. (2 required per fitting.)

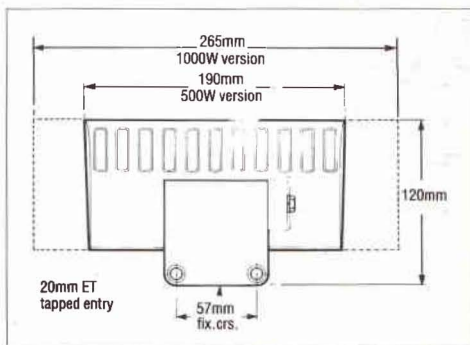
WIRING BOX: injection moulded black glass-filled polycarbonate. Houses 2 way terminal block. GT 1393/2 each terminal being suitable for 2.5mm² cable. Available as a replacement item under Catalogue number SUD.

WIRING ENTRY: via a 20mm threaded hole situated at the base of the wiring box.

MOUNTING: using conduit screwed into the wiring box, using 2 screws through the holes provided in the wiring box or any of the other recognised methods.

See Floodlighting Accessories section for further information.

LAMP TYPES: linear tungsten halogen 200W to 1000W with R7s caps.
SUN 500: 200W, 300W, 500W. **SUN 1000:** 750W, 1000W.

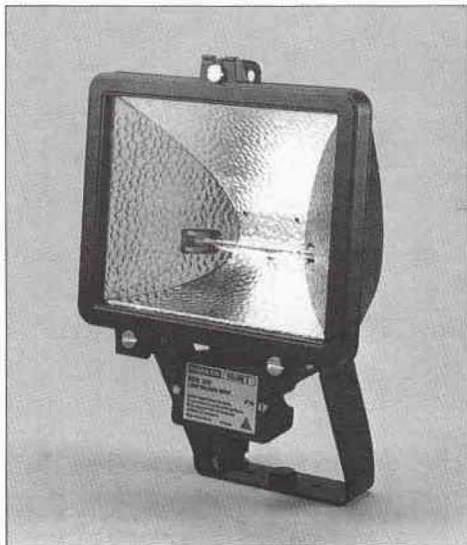

CLASSIFICATION FOR PROTECTION IP23 ▲

Against electric shock: Class 1 earthed metalwork.

Against ingress of moisture or dust: IP23, rainproof. Complies with BS 4533:102-5.

RANGE (Lamp supplied with luminaire)

Cat. no.	Description	Weight kg	Projected area m ²	Lamp type
SUN 500	Sunflood luminaire packed with 240V 500W lamp	0.68	0.015	K1
SUN 1000	Sunflood luminaire packed with 240V 1000W lamp	0.85	0.02	K4



ODW 500 (HALINE 5)

APPLICATIONS

Area lighting for sports halls, security applications, building sites, car parks, advertising hoardings, etc.

DESCRIPTION

MAIN BODY: pressure die-cast aluminium alloy finished in black powder coat paint. All external screws/bolts are stainless steel.

REFLECTOR: hammer finish, chemically brightened and anodised dimpled aluminium. Available as replacement items under Catalogue numbers ODR 500 (Haline 5) and ODR 1000 (Haline 10). Note that specular reflectors are available to achieve narrow beam performance under Catalogue numbers ODS 500 (Haline 5) and ODS 1000 (Haline 10).

LAMPHOLDER: GL 1208. Single fine silver tipped plated copper contact with high temperature coil spring and ceramic body.

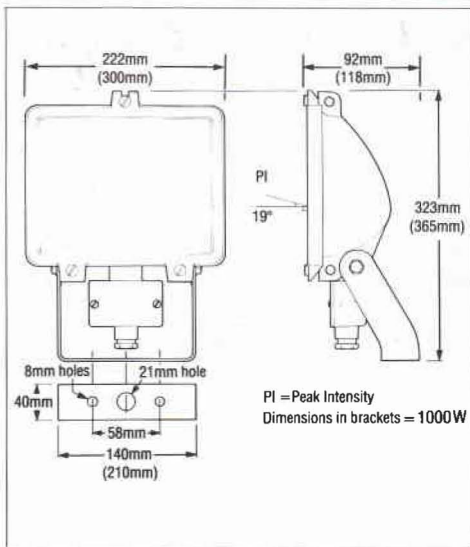
WIRING BOX BASE/COVER: injection moulded black polyester PBT. Houses 3 way terminal block. GT 1393/3 each terminal being suitable for 2-5mm² cable. Available as a replacement item under Catalogue number ODA.

WIRING BOX GASKET: closed cell sponge.

FRONT FRAME AND GLASS: pressure die-cast aluminium alloy finished in black powder coat paint hinged and secured by swivel bolts. Weather proofing provided by a silicone rubber gasket between main body and toughened soda lime front glass. Available as replacement items under catalogue numbers ODF 500 (Haline 5) and ODF 1000 (Haline 10).

RANGE (Lamp supplied with luminaires)

Cat. no.	Description	Weight kg	Projected area m ²	Lamp type
ODW 500	'Haline' 5 luminaire packed with a 240V 500W lamp	2-1	0-048	K1
ODW 1000	'Haline' 10 luminaire packed with a 240V 1000W lamp	3-1	0-079	K4



WIRING ENTRY: via a moulded cable gland suitable for 8-12mm O/D cable.

MOUNTING: at any angle (bearing in mind the lamp type used) via the black powder coat painted stirrup or the stirrup used together with one of the standard mounting accessories. Note that pendant mounting is possible by stirrup reversal to an angle of 30° relative to the vertical. To avoid overheating under no circumstances should the wiring box be mounted above the luminaire body. See *Floodlighting Accessories* section for further information. Note that 2 and 3 ODW 500's may be respectively mounted to a 5 metre column using QFB2 and QFB3 SC (in conjunction with QCS 76) mounting brackets.

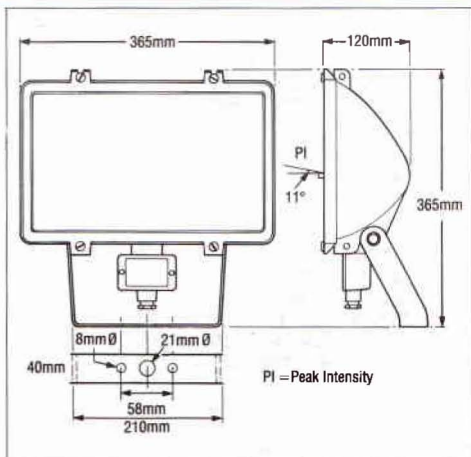
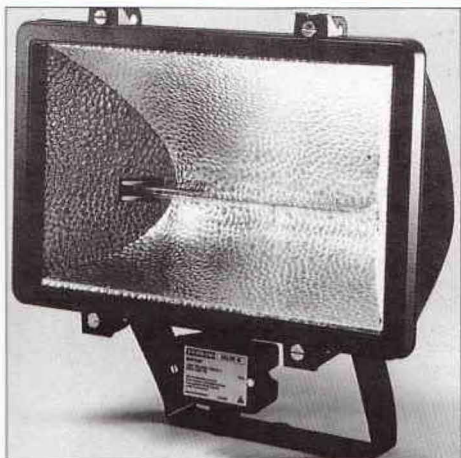
LAMP TYPES:* Linear tungsten halogen 200W to 1000W with R7s caps.

ODW 500 : 200, 300, 500W
ODW 1000: 750, 1000W

CLASSIFICATION FOR PROTECTION IP54

Against electric shock: Class 1 – earthed metalwork.
Against ingress of moisture or dust: IP54 dustproof and splashproof.
Complies with BS4533:102-5.

*The ODW 1000 is unsuitable for use with 250W SON-TD lamps. For further information on these luminaires please request data sheet 3:ODW.1 from your local THORN EMI Sales Office.



APPLICATIONS

Area lighting for sports halls, security applications, building sites, car parks, advertising hoardings, etc.

DESCRIPTION

MAIN BODY: pressure die-cast aluminium alloy finished in black powder coat paint. All external screws/bolts are stainless steel.

REFLECTOR: hammer finish, chemically brightened and anodised dimpled aluminium. Available as a replacement item under Catalogue number ODR 1500.

Note that a specular reflector is available to achieve narrow beam performance under catalogue number ODS 1500.

LAMPHOLDER: GL 1229. Single fine silver tipped plated copper contact with high temperature coil spring and ceramic body.

WIRING BOX BASE/COVER: injection moulded black polyester PBT. Houses 3 way terminal block. GT 1393/3 each terminal being suitable for 2.5mm² cable. Available as a replacement item under catalogue number ODA.

WIRING BOX GASKET: closed cell sponge.

FRONT FRAME AND GLASS: pressure die-cast aluminium alloy finished in black powder coat paint hinged and secured by swivel bolts. Weather proofing provided by a silicone rubber gasket between main body and toughened soda lime front glass. Available as a replacement item under catalogue number ODF 1500.

WIRING ENTRY: via a moulded cable gland suitable for 8-12mm O/D cable.

MOUNTING: via the black powder coat painted stirrup or the stirrup used together with one of the standard mounting accessories. Note that pendant mounting is possible by stirrup reversal to an angle of 30° relative to the vertical. To avoid overheating under no circumstances should the wiring box be mounted above the luminaire body. See Floodlighting Accessories section for further information.

LAMP TYPES:

1500W linear tungsten halogen with R7s caps.

400W SON-TD (see SONLINE page 166 for further information)

CLASSIFICATION FOR PROTECTION IP54 ▲

Against electric shock: Class 1 – earthed metalwork. Against ingress of moisture or dust: IP54 Dustproof and Splashproof. Complies with BS4533:102-5.

RANGE (Lamp supplied with luminaire)

Cat. no.	Description	Weight kg	Projected area m ²	Lamp type
ODW 1500	'Haline 15' luminaire packed with a 240V 1500W lamp	3-4	0.094	K5



OHA 4615 WITH ODW 1500

APPLICATIONS

This composite arrangement comprising a SON-TD lamp, a Haline floodlight (ODW 1500) and a control gear box (integral with the luminaire or remotely mounted) is suitable for use in a wide range of exterior lighting situations particularly where economy of operation is essential e.g. public lighting, area lighting, building lighting etc.

DESCRIPTION:

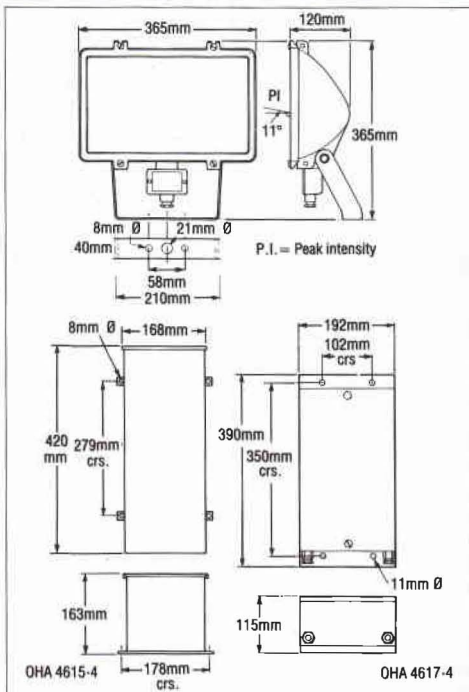
LUMINAIRE: (ordered separately) Haline 15 (ODW 1500) see page 165 for details.

CONTROL GEAR BOX: (Ordered separately)

(i) **Cast aluminium type** (illustrated - Catalogue number OHA 4615.4): This gear box supplied complete with stirrup fixing bolt and washer for luminaire mounting, is rated IP 24 splashproof and contains one set of fully wired HPF 400W SON control gear. Mains entry is provided through 2 tapped 20mm holes and cable glands are provided which are suitable for 8-12mm O/D 3 core cable. Exterior finish is black powder coat paint.

(ii) **Sheet steel type** (catalogue number OHA 4617.4): This gear box which is suitable for remote mounting is manufactured from zinc coated sheet steel with stove enamelled acrylic finish and rated IP23 rainproof. As with (i) above a set of fully wired HPF 400W SON control gear is contained within. Two 20mm diameter holes are provided in one end of the box for supply and lamp connections. Cable glands are provided which are suitable for 8-12mm O/D 3 core cable.

Exterior finish is black powder coat paint.



MOUNTING: luminaire mounted to cast gear box (OHA 4615)

(i) Floor – using bolts through the four 11mm holes on 102 x 350mm centres.

(ii) Wall – using bolts through the four 11mm holes on 102 x 350mm centres.

(iii) Pole – using 2 OHA 4613 pole clamps through the holes provided on the gear box.

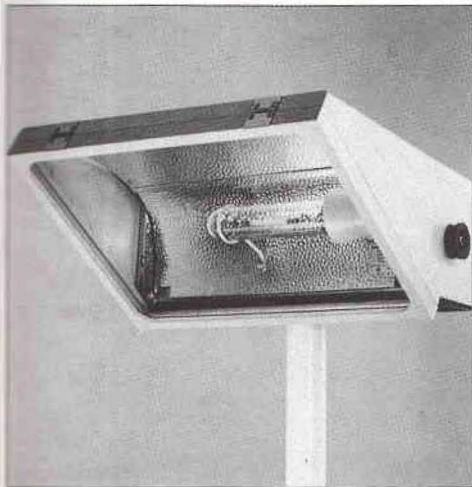
LAMP TYPES: 400W SON-TD tubular double ended high pressure sodium.

IMPORTANT

If the luminaire is sited remote from the control gear box MICC cable must *not* be used for the electrical connection. Furthermore the maximum capacitance of the cable used for this connection is limited on 240V supplies to 2000pf. Information on cable capacitance can be obtained from the cable manufacturer.

RANGE of control gear boxes. (Lamp and luminaires ordered separately)

Cat. no.	Description	Weight kg
OHA 4615-4	400W SON control gear box (aluminium), complete with gear for operation on 240V 50Hz	9-5
OHA 4617-4	400W SON control gear box (steel), complete with gear for operation on 240V 50Hz	9-4


APPLICATIONS

General area lighting of car-parks, forecourts, swimming pools, industrial areas, etc.

DESCRIPTION

BODY: one piece glass reinforced plastic (GRP) moulding.

SUPPORT CASTING: aluminium alloy casting with spigot entry sealed to body with silicone rubber adhesive and incorporating integral control gear.

FRONT GLASS ASSEMBLY: toughened flat glass secured in GRP frame. Hinged at the top using two stainless steel hinges and fastened along the bottom edge using two captive stainless steel slotted head screws. Silicone rubber gaskets ensure efficient sealing between glass and frame, and frame and main body. Available as a replacement item under catalogue number OAF.

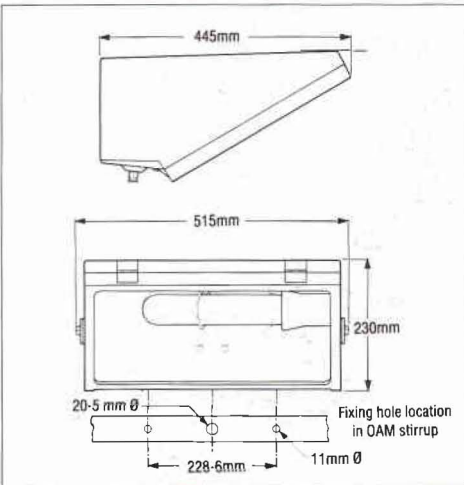
REFLECTOR ASSEMBLY: one piece dimpled anodised aluminium.

LAMPHOLDER: GES porcelain, skirted E40 Catalogue number GL 1196.

MAIN TERMINAL ASSEMBLY: 4 way terminal block (maximum terminal capacity 1 X 6mm²) (3 way on MBF versions), mounted on a removable bracket and housed within the spigot entry hole on the main casting.

RANGE (Packed complete with lamp)

Cat. no.	Description	Weight kg	Projected area m ²
OAC 250	Area flood c/w 250W MBIF control gear and lamp for operation on 240V 50Hz	14.5	0.21
OAC 400	Area flood c/w 400W MBIF control gear and lamp for operation on 240V 50Hz	15.0	0.21
OAK 250	Area flood c/w 250W MBF control gear and lamp for operation on 240V 50Hz	13.6	0.21
OAK 400	Area flood c/w 400W MBF control gear and lamp for operation on 240V 50Hz	14.5	0.21
OAST 150-4	Area flood c/w 150W SON-T control gear and lamp for operation on 240V 50Hz	12.5	0.21
OAST 250-4	Area flood c/w 250W SON-T control gear and lamp for operation on 240V 50Hz	14.5	0.21
OAST 400-4	Area flood c/w 400W SON-T control gear and lamp for operation on 240V 50Hz	16.5	0.21


MOUNTING:

- (i) Via wall brackets OAB 36 or OAB 310, both of which locate directly in the spigot entry hole
- (ii) On 50mm and 76mm O/D poles. Note that OASA spigot adaptor is required for 50mm poles
- (iii) On 5, 8, 10 and 12 metre columns. See page 198 for further details
- (iv) Using the stirrup mounting kit OAM (ordered separately). Kit contains hot dipped galvanised steel stirrup and plug assembly c/w cable gland for blanking off spigot entry hole. See *Floodlighting Accessories* section for further information.

LAMP TYPES: 250/400W MBF/MBIF

150W SON-T*/SONDL-T

250/400W SON-T*/SONDL-T

*SON-T lamps are supplied as standard with the OAST 150-4/OAST 250-4/OAST 400-4 versions of the luminaires. Where alternative lamp types are required this must be specified when ordering. In cases where luminaires are required for operation with elliptical SON lamps (SON-E) the following order numbers should be used – OASE 150-4, OASE 250-4 OASE 400-4. These versions are available to order only.

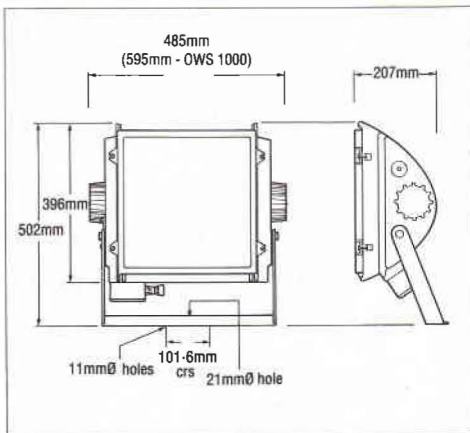
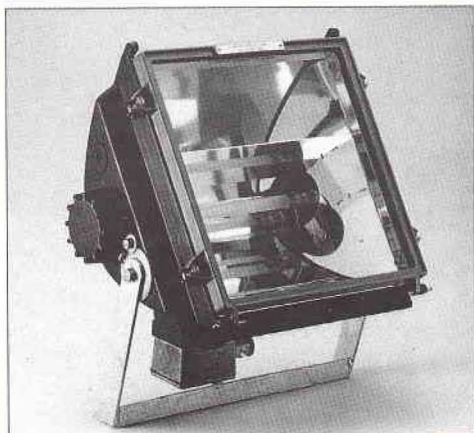
CLASSIFICATION FOR PROTECTION IP44 ▲

Against electric shock: Class 1

Against ingress of moisture or dust: IP44, rainproof.

Complies with BS 4533:102.5. For further information on these luminaires please request data sheet 3.OA.1 from your local THORN EMI Lighting Sales Office.

OW SERIES FLOODLIGHTS



APPLICATION

Large area lighting with low glare and excellent colour rendering and high efficiency e.g. sports stadia, club pitches, construction sites, marshalling yards, shipping terminals, buildings etc.

LAMP TYPES: 750W, 1500W MBIL or 400W SON-TD versions also available for 400W SON-T 1000W SON-T.

DESCRIPTION

Body constructed from a polished reflector held and sealed between black powder coated aluminium alloy end castings. The front glass is mounted in cast aluminium frame held to the body by 4 stainless steel swivel bolts. Faceted reflectors and baffle control the beam (removable for narrow distribution with linear lamps).

MOUNTING: direct mounting on headframe or wall. Pendant mounting possible using the alternative stirrup mounting position provided. An aiming stop is provided to enable the luminaire be swung for maintenance and then returned to its aimed position.

CONTROL GEAR: to be ordered separately for remote mounting.

CLASSIFICATION FOR PROTECTION IP54

Against electric shock: Class 1 – earthed metalwork.

Against ingress of moisture: IP54, Dustproof, splashproof.

RANGE (Lamps ordered separately)

Cat. no.	Description	Weight kg	Projected area m ²
OWA 1500	Floodlight for MBIL also for 400W SON-TD	6.5	0.16
OWS 400	Floodlight for 400W SON-T narrow beam	6.5	0.16
OWS 1000	Floodlight for 1000W SON-T narrow beam, including Ignitor	11	0.2



M25 FD 500

APPLICATIONS

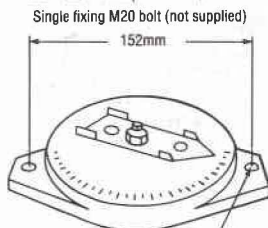
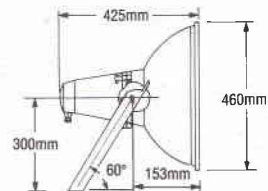
Major floodlighting situations e.g. railway marshalling yards, airfield aprons, sports grounds, buildings etc.

DESCRIPTION

REFLECTOR: super purity spun aluminium, polished and anodised (available in specular or diffuse finishes), which is secured internally to the aluminium alloy ring casting with stirrup fixing. The heat resisting, clear toughened front glass (Catalogue number GLA 5275) is sealed into the reflector by a silicone rubber gasket and retained by a stainless steel visor band. Gasketed and fastened to body casting by stainless steel studs and wing nuts.

AUXILIARY REFLECTOR: polished aluminium.

LAMPHOLDER HOUSING: pressure die-cast aluminium having a detachable end cap for access to the terminal block via a cable gland suitable for 7–11mm O/D cable. The GES skirted lampholder (Catalogue number LH 5498) is adjustable to cater for the different lamp types that can be used with this luminaire.



M25 BPJ BASE PLATE

2 x 9.5mm holes

MOUNTING: (i) Using the galvanised steel 60° cranked stirrup with an M20 bold (not supplied). An aiming quadrant marked $\pm 60^\circ$ is provided which ensures accurate aiming in the vertical plane and spun galvanised locking bolts/handles enable the luminaire to be rigidly fixed in position.

(ii) Using the galvanised steel 60° cranked stirrup and the baseplate, M25 BPJ, (available as an optional extra), which bolts directly to the stirrup.

NOTE: maximum downward inclination of luminaire is 60°. **LAMP TYPES:** 250/400W MBF, 250/400W MBI/MBIF, 150/250/400W SON/SON-T, 300/500W GLS

CLASSIFICATION FOR PROTECTION IP54 ▲

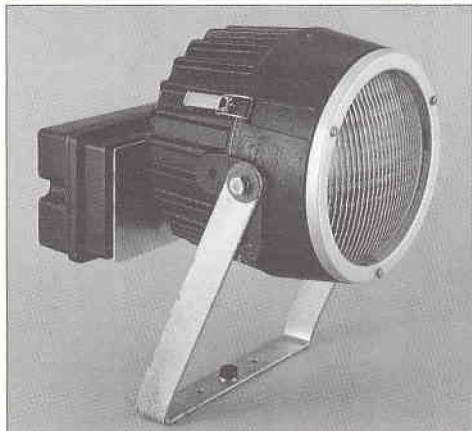
Against electric shock: Class 1 earthed metalwork. Against ingress of moisture or dust: IP 54 dustproof and splashproof. Complies with BS4533:2-5.

For details of the control gear to be used with this luminaire see relevant catalogue section.

RANGE (Lamps and gear ordered separately)

Cat. no.	Description	Weight kg	Projected area m ²
M25 FS 500	Specular reflector projector floodlight	9.07	0.16
M25 FD 500	Diffuse reflector projector floodlight	9.07	0.16
M25 BPJ	Base plate (optional extra)	0.36	—

OQ 1000/OQ1000 HR ▲



OQ 1000 WITH OQA

APPLICATIONS

Primarily designed for high tower installations where good illumination with excellent colour rendering is required. In cases where instant lamp restrike is essential the OQ 1000 HR version of the luminaire should be specified.

DESCRIPTION

MAIN BODY: constructed of a two part aluminium casting with mounting lugs on the front section. The rear section which houses the lampholder is removable for re-lamping without disturbing the aiming angle. Both sections are secured by three equally spaced stainless steel toggles.

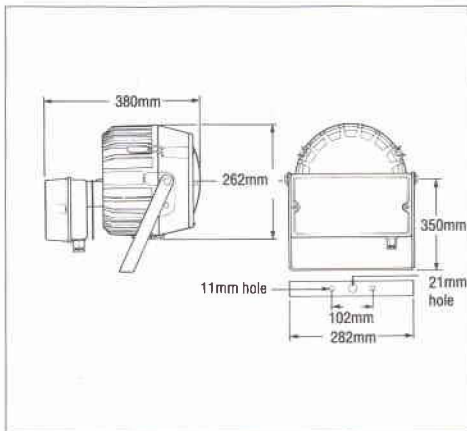
FRONT GLASS: a range of 5 is available. An aluminium retaining ring secured to the front section of the main body by three screws holds the glass in position. *Glasses should be ordered separately.*

IGNITOR HOUSING/WIRING BOX: fixed to rear section of main casting and contains the ignitor. Cable entry is provided through a cable gland suitable for 8–12mm O/D cable and connections from ballast, mains etc. are made to a terminal block, GT 1364 (each terminal capacity being 1 x 6mm²) which is used on both ignitors.

LAMPHOLDER: GL 1198.

RANGE (Lamps ordered separately)

Cat. no.	Description	Weight kg	Projected area m ²
OQ 1000	1kW CSI floodlight c/w standard ignitor, less glass	8.0	0.07
OQ 1000 HR	1kW CSI floodlight c/w hot restart ignitor, less glass	8.0	0.07



MOUNTING: using the stirrup OQA (ordered separately) or the OQB-4 4 way bracket (also ordered separately).

See Floodlighting Accessories section for further information.

LAMPS

(i) 1000W CSI PAR 64 sealed beam discharge lamp ref: 99-1222 which should be used only in the OQ 1000 luminaire.

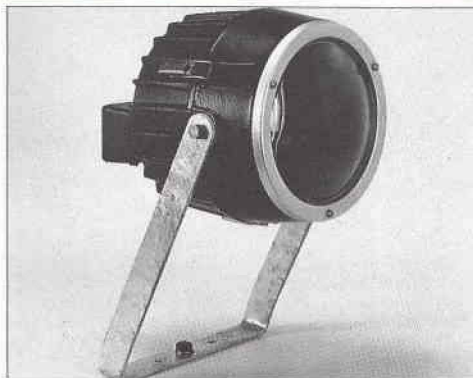
(ii) 1000W CSI PAR 64 sealed beam hot restrike discharge lamp ref:99-1422 which should be used only in the OQ 1000 HR luminaire.

CLASSIFICATION FOR PROTECTION IP54 ▲

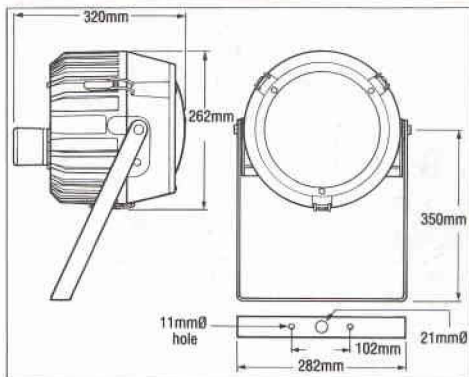
Against electric shock: Class 1 earthed metalwork. Against ingress of moisture or dust: IP54, splashproof and dust-proof, ta 35°C. Complies with BS4533:102.5

CONTROL GEAR

Details of control gear to be used with this luminaire can be obtained from the relevant catalogue section.



OSQC 500



APPLICATIONS

Specialist floodlighting installations where a tungsten halogen lamp is preferred and a long, narrow beam pattern is required.

DESCRIPTION

MAIN BODY: constructed of a two part aluminium casting with mounting lugs on the front section. The rear section which houses the lampholder is removable for re-lamping without disturbing the aiming angle. Both sections are secured by three equally spaced stainless steel toggles.

FRONT GLASS: narrow beam angle glass supplied with the fitting. 4 other front glasses of progressively wider beam angles are available as optional extras.

WIRING BOX: injection moulded black polyester PBT. Houses 3 way terminal block GT 1393/3 each terminal being suitable for 2-5mm² cable. Available as a replacement item under Catalogue number ODA.

WIRING BOX GASKET: closed cell sponge.

WIRING ENTRY: via a moulded M20 cable gland suitable for 8 - 12 mm o/d cable.

RANGE (lamps ordered separately)

Cat. no.	Description	Weight kg	Projected Area m ²
OSQC 500	Narrow beam floodlight with clear front glass and OQA stirrup	7.2	0.07

LAMPHOLDER: GL 1177

MOUNTING: using the stirrup supplied with the fitting (Catalogue number OQA) or the QQB4 four-way bracket (ordered separately). See *Floodlighting Accessories* section for further information.

LAMPS: (ordered separately)

- (i) M40 500W tungsten halogen lamp
- (ii) M38 300W tungsten halogen lamp

CLASSIFICATION FOR PROTECTION IP54 ▲

Against electric shock: Class 1 earthed metalwork.

Against ingress of moisture or dust: IP54, splashproof and dustproof, ta 35°C.

Complies with BS4533:102-5.



SONPAK 7

APPLICATIONS

A low cost discharge floodlight complete with integral control gear and 70W SON-T lamp, particularly suited for security applications, car parks, loading areas, building perimeters, precinct areas etc. where long burning hours are required with economical running.

DESCRIPTION

MAIN BODY: white, one piece glass re-inforced plastic (GRP) moulding, with integral control gear.

REFLECTOR: diffuse aluminium with end reflectors.

LAMPHOLDER: GL 1194 E.S. - porcelain

FRONT VISOR: clear injection moulded polycarbonate hinged to main body by a single stainless rod. Available as a replacement item under Catalogue number OTV.

CABLE ENTRY: via a combined 20mm cable gland/clamp positioned at the base. Gland capable of accommodating cable 8-13mm in diameter.

MAINS TERMINAL BLOCK: GT 1364/3 situated on gear tray. Maximum cable capacity 1 x 6mm² per terminal.

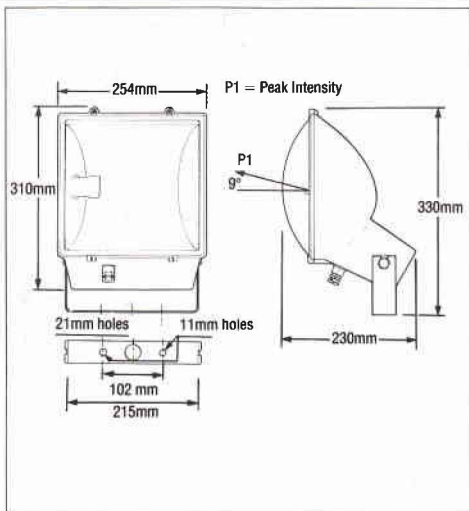
STIRRUP: 3mm Zintec finished with powder coat black paint.

MOUNTING: direct stirrup mounting or in conjunction with the mounting accessories shown in the Floodlight or Column Accessories sections. Note that 2 and 3 luminaires may be respectively mounted to a THORN EMI 5 metre column (Catalogue Number QCO) using QFBOT, QF B2 and QFB 3SC (in conjunction with QCS 76) mounting brackets.

RANGE (Lamp supplied with luminaire)

Cat. no.	Description	Weight kg	Projected area m ²
OT 70-T	SONPAK 7 floodlight complete with 70W SON-T lamp and pre-wired for 240V 50Hz operation.*	5-25	0-075

*Other voltages and frequencies to special order.



LAMP TYPE: 70W SON-T see page number ●● for further details.

CLASSIFICATION FOR PROTECTION IP65

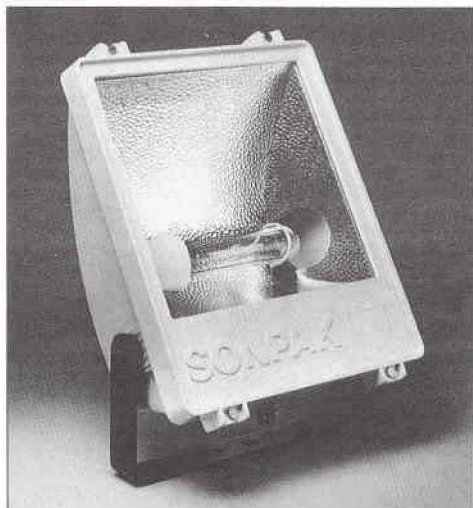
Against electric shock: Class 1 - earthed metalwork.

Against ingress of moisture or dust: IP65, dust-tight and jetproof.

Complies with BS 4533:102-5. For further information on this luminaire please request data sheet 3:0T1 from your local THORN EMI Lighting Sales Office.



QCO, QCBOT, OT 70-T



OT 250(SONPAK 25)

APPLICATIONS

General floodlighting of car parks, industrial areas, etc.

DESCRIPTION

BODY: white one piece glass reinforced plastic (GRP) moulding, with integral control gear.

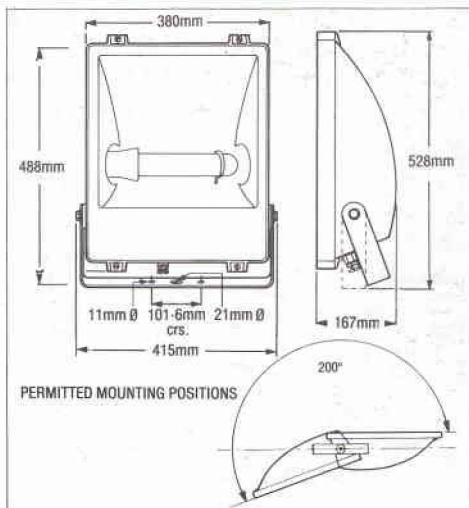
FRONT FRAME ASSEMBLY: 4mm toughened soda lime flat glass secured in GRP frame hinged and secured to main body by four stainless steel slotted head swivel bolts. Weather proofing is provided by a silicone rubber gasket between main body and front frame assembly. Available as a replacement item under Catalogue number OTF.

REFLECTOR ASSEMBLY: dimpled anodised aluminium. Note that a specular reflector is available to achieve a narrow beam performance under Catalogue number OTS.

LAMPHOLDER: GES, porcelain, skirted, E40. Catalogue number GL 1196

CABLE ENTRY: via a combined 20mm cable gland/cord grip. Gland capable of accommodating cable 8 - 13mm in diameter.

MAINS TERMINAL BLOCK: Situated on gear tray. Maximum cable capacity 1 x 6mm² per terminal Catalogue number GT 1364/4.



STIRRUP: manufactured from 5mm zinc plate and passivated mild steel, finished with powder coat black paint.

MOUNTING: direct stirrup mounting or in conjunction with the mounting accessories shown in the *Floodlighting accessories* section. Note: suitable 5, 8, 10 and 12 metre columns and brackets shown in *Column* section. Note that stirrup is not removable. Permitted mounting positions are according to the diagram above.

LAMP TYPE: 150/250W SON-T/SONDL-T/SONS-T. Note that it is not possible to use elliptical lamps of equivalent ratings for replacement purposes.

CONTROL GEAR: These 2 luminaires use special cool running ballasts. If replacements are required only original types should be used. For further details see the *Discharge Gear* Section.

CLASSIFICATION FOR PROTECTION IP65

Against electric shock: Class 1 earthed metalwork.
Against ingress of moisture or dust: IP65 dust-tight and jetproof.
Complies with BS4533:102.5.

For further information on these luminaires please request data sheet 3:OT.2 from your local THORN EMI Lighting sales office.

RANGE

Cat. no.	Description	Weight kg	Projected area m ²
OT 150-4	SONPAK 15 floodlight c/w 150W SON-T lamp for operation on 240V 50Hz	11	0-175
OT 250-4	SONPAK 25 floodlight c/w 250W SON-T lamp for operation on 240V 50Hz	12-75	0-175

FLOODLIGHTING ACCESSORIES

RANGE

Cat. no.	Description	Figure (See overleaf)	Weight kg
OHA 4600*	51mm O/D spigot cap	1	0-24
OHA 4601*	Multi-use mounting bracket	2	0-34
OHA 4602†	Pair of 'U' clamps for use with OHA 4601	3	0-11
OHA 4603	Cross-arm bracket for 51mm O/D pole	4	1-3
OHA 4604	Floor bracket and spigot	5	0-48
OHA 4612*	76mm O/D spigot cap	1	0-35
OHA 4613	Universal pole clamp for 48-89mm O/D poles	6	0-48
SUB‡	Wall mounting support bracket	13	0-2
SUP‡	Pole clamp for 51mm O/D poles	10	0-15
SUC	Corner wall bracket	8	0-34
OAB 36	76mm dia. spigot/bracket with 152mm projection	12	13-4
OAB 310	76mm dia. spigot/bracket with 254mm projection	12	17-6
OAM	Stirrup assembly comprising stirrup, blanking plate and gland for 8-12mm O/D cable	16	1-87
OASA	Adaptor for 51mm spigot poles	17	0-46
OQA	Stirrup assembly	15	1-0
OQB4	Mounting bracket for up to 4 floodlights	14	2-49
M25 BPJ	Base plate	11	0-36
EKB	Flat wall bracket	9	0-1
EKC	Corner wall bracket with 89mm outreach	7	0-3
QFBOT	Direct mounting floodlight to THORN EMI GpB column shaft	Page 202	
QFB2	Direct mounting 2 floodlights on THORN EMI GpB column shaft	Page 202	

RANGE

Cat. no.	Miniflood	Sunflood	Haline 5/10/15	Sonline 400	SONPAK 7	SONPAK 15/25	Area flood	OQ 1000	M25 'Junior'
OHA 4600*		•	•		•				
OHA 4601*			•		•				
OHA 4602†			•		•				
OHA 4603		•	•		•				
OHA 4604			•		•				
OHA 4612*		•	•		•				
OHA 4613				•	•	•		•	
SUB‡		•	•						
SUP‡		•	•						
SUC	•	•	•		•				
OAB 36							•		
OAB 310							•		
OAM							•		
OASA							•		
OQA								•	
OQB 4								•	
M25 BPJ									•
EKB	•	•							
EKC	•	•	•		•				
QFBOT			•		•	•§			
QFB2			•		•§				

For further details on luminaires on this page please refer to the relevant data sheets which are available on request from your local THORN EMI Lighting office.

* Pack includes Hex head steel bush, washer and nut.

† Pack includes 2 bushes, washers, nuts and a pair of OHA 4602 clamps.


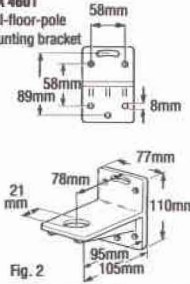


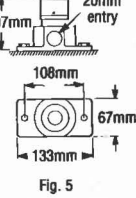
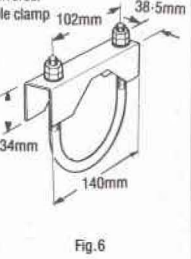
• Indicates that the luminaire may be used with the mounting accessory.

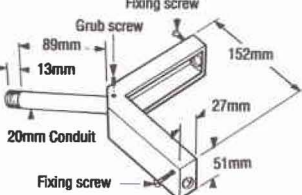
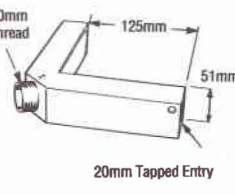
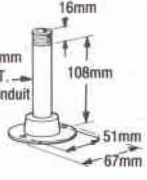
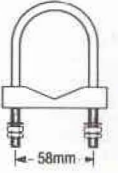
‡ Pack includes 20mm combined cable gland/clamp.

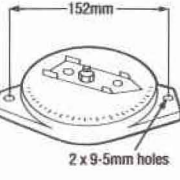
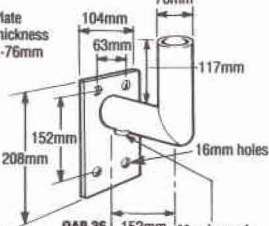

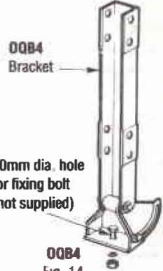
The SUB may be used in conjunction with SUA pole clamp for mounting luminaires to 60 mm diameter poles

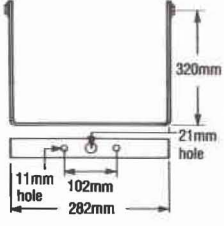
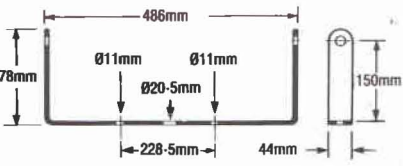
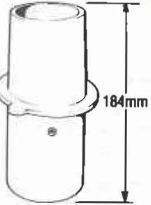
§ QCO shaft only

FLOODLIGHTING ACCESSORIES

<p>OHA 4600 12 51 x 51mm spigot cap OHA 4612 76 x 76mm spigot cap</p>  <p>Fig. 1</p>	<p>OHA 4601 Wall-floor-pole mounting bracket</p>  <p>Fig. 2</p>	<p>OHA 4602 Pair of clamps for 51mm O/D pole</p>  <p>Fig. 3</p> <p>OHA 4603 Cross arm mounting</p>  <p>Fig. 4</p>	<p>OHA 4604 Floor mounting with azimuth adjustment</p>  <p>Fig. 5</p>	<p>OHA 4613 Universal pole clamp</p>  <p>Fig. 6</p>
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<p>EKC corner bracket</p>  <p>Fig. 7</p>	<p>SUC corner wall bracket</p>  <p>Fig. 8</p>	<p>EKB wall bracket</p>  <p>Fig. 9</p>	<p>SUP pole clamp</p>  <p>Fig. 10</p>
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<p>M25 BPJ base plate</p>  <p>Fig. 11</p>	<p>QAB 36 152mm QAB 310 254mm</p>  <p>Fig. 12</p>	<p>SUB mounting bracket</p>  <p>Fig. 13</p>	<p>QOB4 Bracket</p>  <p>Fig. 14</p>
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<p>OQA</p>  <p>Fig. 15</p>	<p>OAM</p>  <p>Fig. 16</p>	<p>DASA (Spigot adaptor)</p>  <p>Fig. 17</p>
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EMF 1200 TOP ENTRY WITH EKR 200 REFLECTOR AND EKB BRACKET

APPLICATIONS

General or localized lighting in outdoor industrial situations.

DESCRIPTION

SCREW NECK GALLERY: aluminium alloy, for top or side entry, also top BESA box mounting.

GLASS: two sizes for a) 100W version and b) 200W version. Common screw neck detail to match galleries. Internally etched and fitted with a weatherproof seal.

REFLECTOR: optional. White nylon which fits over screw neck. Available in both sizes.

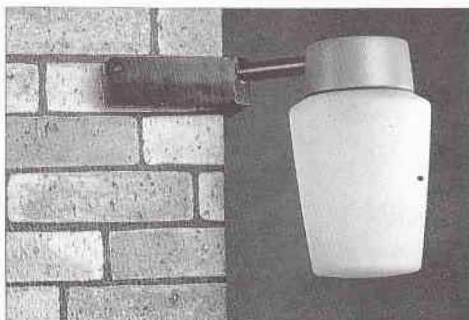
MOUNTING: wall or corner brackets, or direct to BESA box.

LAMPS: 60W – 200W GLS; 50W and 70W SON; 80W and 125W MBF (with appropriate control gear – see **Control gear and accessories** section).

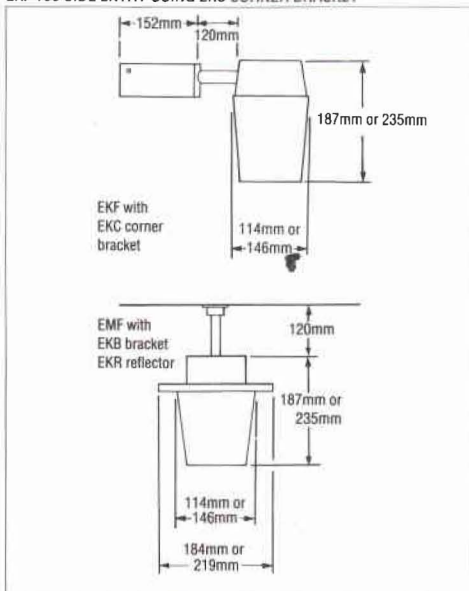
CLASSIFICATION FOR PROTECTION IP23

Against electric shock: Class 1 – earthed metalwork. Against ingress of moisture: IP23, rainproof. Complies with BS 4533:101-4.

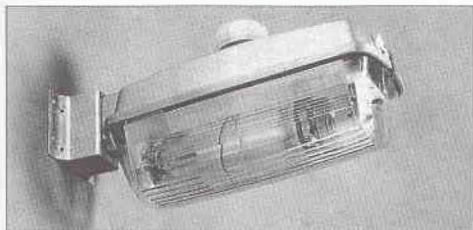
RANGE Lamps ordered separately



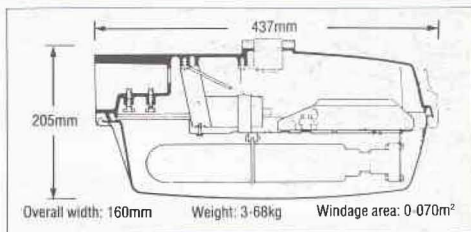
EKF 100 SIDE ENTRY USING EKC CORNER BRACKET



Cat. no.	Description	Weight kg
EKF 1100	Wellglass, side entry with BC lampholder for 60/100W GLS	0.90
EMF 1100	Wellglass, top entry with BC lampholder for 60/100W GLS	0.90
EKF 1200	Wellglass, side entry with ES lampholder for 150/200W GLS, 80/125W MBF and 50/70W SON	1.02
EMF 1200	Wellglass, top entry with ES lampholder for 150/200W GLS, 80/125W MBF and 50/70W SON	1.02
EKR 100	Reflector for EKF/EMF 1100	0.06
EKR 200	Reflector for EKF/EMF 1200	0.09
EKB	Wall bracket	0.13
EKC	Corner bracket	0.34
EKG 100	Replacement glass for EKF/EMF 1100	0.57
EKG 200	Replacement glass for EKF/EMF 1200	0.90



SOXPAK 35

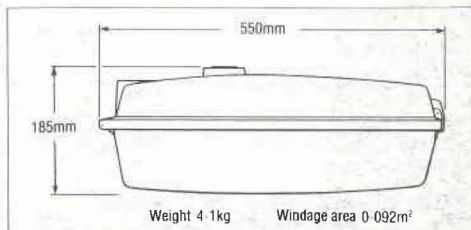


SOXPAK 35

Ideal for all night security lighting, these kits are one box packs containing wall bracket (suitable for flat wall or corner mounting), photocell, lamp and luminaire complete with ignitor gear and socket for photocell. SOXPAK 35 has the 35W SOX lamp and SOXPAK 55 the 55W SOX lamp.

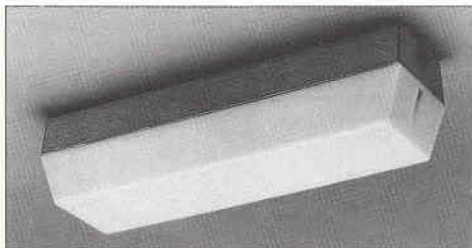
RANGE

Cat. no.	Description
OK 35	SOXPAK 35 containing luminaire, bracket, photocell, 35W SOX lamp and gear
OK 55	SOXPAK 55 containing luminaire, bracket, photocell, 55W SOX lamp and gear



SOXPAK 55

ESCORT BULKHEAD



OB2008/3008 FLUORESCENT BULKHEAD

OB2008/3008 FLUORESCENT BULKHEAD

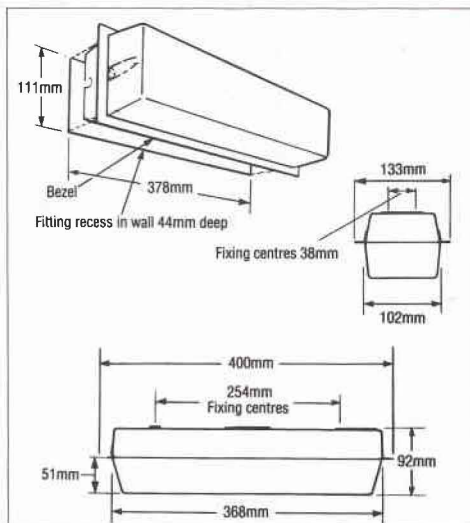
BODY: pressure die-cast aluminium alloy with hammer grey stove enamelled finish. 20mm tapped entry conduit in each end, supplied with plugs. Suitable for through wiring. Centre knock-out in back for conduit, and drill locations for fixing holes.

DIFFUSER: OB2 type acrylic and OBV type vandal-resistant. Secured by two captive screws. A bezel trim is available for recessed applications.

CONTROL GEAR: switchstart for 2 or 3 fluorescent tubes. (HPF 2 - lamp versions available to special order.)

CLASSIFICATION FOR PROTECTION IP23

Against electric shock: Class 1-earthed metalwork.
Against ingress of moisture or dust: OB-IP23, rainproof. Complies with BS 4533:2-2.

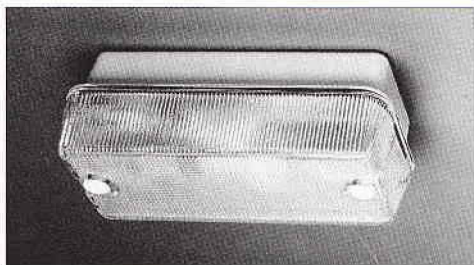


LAMPHOLDER: GB 1598

LAMPS: supplied with 300mm 8W T5 fluorescent tubes

RANGE

Cat. no.	Description	Weight kg
OB2 2008	Escort fluorescent bulkhead, acrylic diffuser c/w 2 x 8W tubes	2.03
OB2 3008	Escort fluorescent bulkhead, acrylic diffuser c/w 3 x 8W tubes	2.26
OBV 2008	Escort fluorescent bulkhead, vandal resistant diffuser c/w 2 x 8W tubes	2.03
OBV 3008	Escort fluorescent bulkhead, vandal resistant diffuser c/w 3 x 8W tubes	2.26
OB2	Spare acrylic diffuser	0.68
OBV	Spare vandal resistant diffuser	0.68
OB/FV	Spare key	0.01


APPLICATIONS

Outdoor amenity lighting of public, commercial and industrial premises.

OLG/OLV 1100 TUNGSTEN BULKHEAD

BODY: Pressure die-cast aluminium alloy with white stove enamelled finish, 21mm knock-out for conduit entry at one end and provision for BESA box and conduit entry at the back. Gasket seals to glass for weatherproofing.

DIFFUSER: Either glass OLG or vandal-resistant OLV retained by two captive vandal-resistant nylon screws. Special key supplied

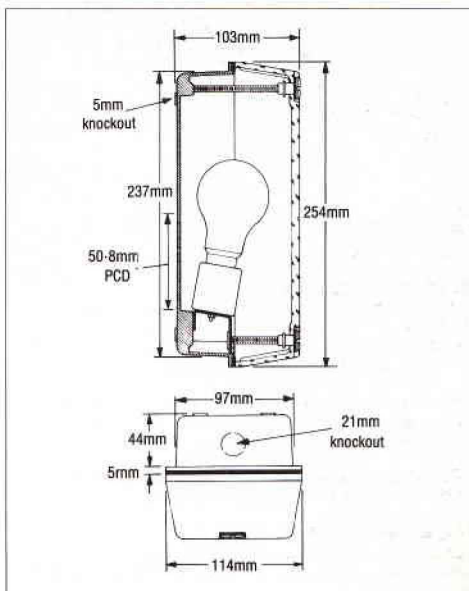
LAMPHOLDER: BC version GL 1159. ES version GL 1131.

LAMPS:

40W to 100W GLS (order separately).
(60W max. in case of OLV 1100)

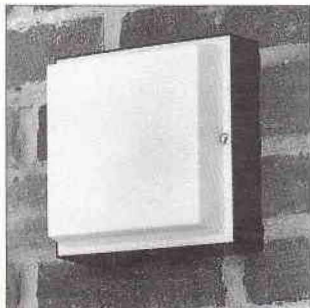
CLASSIFICATION FOR PROTECTION IP65 ▲

Against electric shock: Class 1 —earthed metalwork. Against ingress of moisture or dust: IP65, rainproof. Complies with BS 4533:102-1.


RANGE

Cat. no.	Description	Weight kg
OLG 1100 BC	Escort tungsten bulkhead with BC lampholder	1.13
OLG 1100 ES	Escort tungsten bulkhead with ES lampholder	1.13
OLV 1100 BC	Escort tungsten bulkhead with vandal resistant diffuser	0.65
OLG 4800	Spare glass diffuser (c/w fixing screws and key)	0.75
OLG 4801	Spare set of fixing screws and sealing washers for OLG 1100	0.02
OLV 4800	Spare vandal resistant diffuser	0.15

2D BULKHEAD 16W



BULKHEAD LUMINAIRE IP65

For internal or external applications with long life and low energy consumption. Has an injection moulded black polycarbonate body and opal diffuser secured by two special retaining screws with a triangular head (a special key is provided). Packed with 16W 2D lamp. Suitable for wall or ceiling mounting. Complies with BS4533:102.1 (IP 65 dustproof and jet proof).

A prismatic diffuser version of the 16W bulkhead is also available (Catalogue number 2D FC 16).

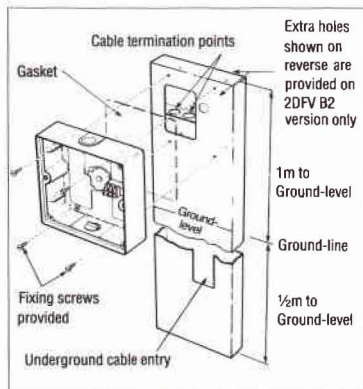
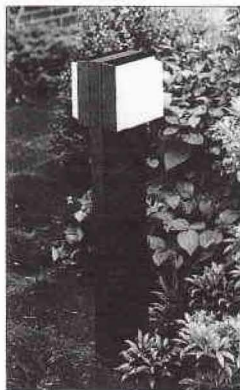
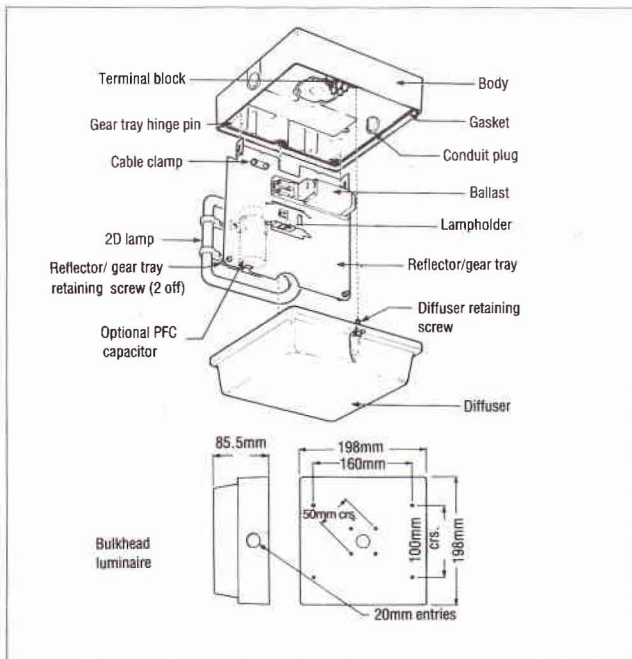
FIXING/CABLE ENTRY: side entries are 20mm threaded, supplied with flush finish tamper resistant screw-in blanking plugs. Provision at back for BESA fixing or cable entry with alternative fixing centres.

BOLLARD

A special bollard is available for mounting the bulkhead 1 metre above ground on pathways etc. Made from heavy duty aluminium extrusions finished in black polyester paint.

PHOTOCELL BULKHEAD

A bulkhead 16W which automatically switches on at dusk and off at dawn (Catalogue number 2D FVP 16).



RANGE

Cat. no.	Description	Lamp watts	Weight kg
2D FV 16	Bulkhead c/w 16W 2D lamp and gear	16	1.10
2D FV 16 HPF	Bulkhead c/w 16W 2D lamp and HPF gear	16	1.12
2D FV B1	Bollard for single 2D bulkhead		
2D FV B2	Bollard for twin 2D bulkhead		
2D FV P16	2D vandal resistant bulkhead with integral photocell (L.P.F. only)		
0BFV	Replacement security key		