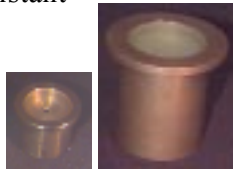


## Up, Down, Wall, Step and orientation lights.

Corrosion resistant  
DR brass  
and glass  
windows  
(UPB125  
lower body  
machined  
PVC)



## Configuration

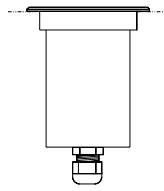
**Miniature  
semi-recessed**



**Medium  
semi-recessed**



**Large tight  
focus**



### Line projector

(Includes micro adjustment screws for vertical alignment)

4 x 35 deg



70 x 50mm diam  
Body 36 mm diam  
Fmax 1 x 2mm  
**UPB50-LP**

200 x 125mm diam  
Body 115 mm diam  
ES Fm 15 x 2mm  
**UPB125-LP**

### Spotlight very narrow symmetrical

(Includes micro adjustment screws for vertical alignment)

10 deg



200 x 125mm diam  
Body mm 115diam  
ES Fm 150 x .75mm  
**UPB125-10**

### Spotlight narrow symmetrical

16 Deg



70 x 50mm diam  
Body 36 mm diam  
ST Fm 50 x .75mm  
**UPB50-16**

200 x 125mm diam  
Body mm 115 diam  
ES Fm 560 x .75mm  
**UPB125-16**

### Spotlight Asymmetrical

12 x 35 deg



70 x 50mm diam  
Body 36 mm diam  
ST Fm 50x.75mm  
**UPB50-ASI**

### Floodlight

35 deg



20 x 20mm diam  
Body 15 mm diam  
ST Fm 25 x .75mm  
**UPB20**

50 x 42mm diam  
Body 36 mm diam  
ST Fm 150 x .75mm  
**UPB42**

### Sideways Throw

50 x 30 deg



42 x 50mm diam  
Body 36 mm diam  
ST Fm 50x.75mm  
**UPB50-ST**

### Dispersive (Frosted glass)

Diffusing



20 x 20mm diam  
Body 15 mm diam  
ST Fm 25 x .75mm  
**UPB20-FG**

72 x 75mm diam  
Body 55 mm diam  
ST Fm 50x.75mm  
**UPB75-FG**

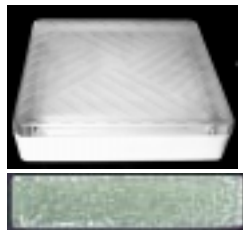
Borrosilicate glass windows are available as an option, where scratch resistance is required (add suffix **-BSG**)



35 x 35 deg



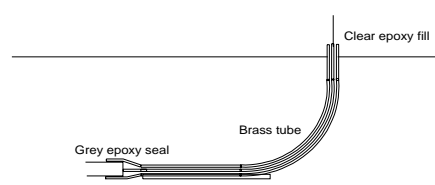
**DR Brass Eyelid**  
10mm glass  
50 x 38mm diam  
Body 30 mm diam  
ST Fm50 x .75mm  
**ELB30**



**Glass and Resin tiles**  
Solid and hollow glass and resin tiles are available in a wide range of shapes and sizes.



**Converter**  
Designed to convert conventional fixtures to fibre optic. Sizes to suit all cables ES CNVR-(cable size)



### In floor stars

In ground flush fibre system with brass trim. Grind back flush after pouring floor. ES 2mm cable

**FPT-2**

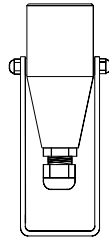
**Provisional**

## Metal End lighting terminations and fixtures for permanent use underwater or above

Fixtures use special multi layer sealants developed for the aero space industry. Fibres are also encapsulated to remove any possibility of siphoning. Corrosion resistant DR brass with glass window (KW-35 acrylic window) ES Fm 50 x .75mm fibres (except BC35 which is 420)

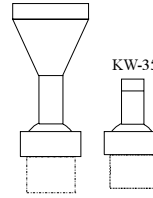


**Yoke mounted adjustable**



### Configuration

**Ball mount adjustable**



**Fixed semi-recessed**



**Spotlight narrow symmetrical**

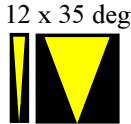


140mm(with yoke) x 40mm diam  
5mm mounting hole  
**KL-16+KL-MB**

85mm(W/O tube) x 40mm diam  
Fits 32mm tube  
**KP-16**

110mm x 50mm diam  
Body 40mm diam  
**BC-16**

**Spotlight Asymmetrical**



144mm(with yoke) x 40mm diam  
5mm mounting hole  
**KL-ASI+KL-MB**

95mm(with yoke) x 40mm diam  
Fits 32mm tube  
**KP-ASI**

120mm x 50mm diam  
Body 40mm diam  
**BC-ASI**

**Floodlight**



140mm(with yoke) x 40mm diam  
5mm mounting hole  
**KL-35+KL-MB**

40mm(W/O tube) x 40mm diam  
Fits 32mm tube  
**KW-35**

89mm x 48mm diam  
Body 31mm diam  
**BC-35**

## Plastic End lighting terminations and fixtures for permanent use underwater or above



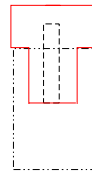
**Water disturber**  
Acrylic 112 x 63  
Depth 30mm  
CF Fm 300 x .75mm  
**F100**



**Pool/Spa lens**  
88 diam x 50mm  
Fits class 9, 40mm pressure pipe  
CF Fm 300 x .75mm  
**WNF**

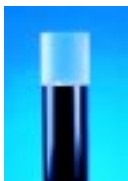


**Cascade lens**  
(Various other sizes available)  
42 x 21m diam  
ES Fm 50 x .75mm  
**BL24x**

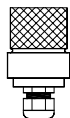


**Acrylic button**  
35 x 26m diam  
Fits 20mm id conduit  
ES Fm 75 x .75mm  
**AB-20**

**Fountain Ring**  
Custom made to suit head. Enquire for further details  
ES Fm 8 x 3.2mm



**Path Lights**  
Acrylic  
65 x 50m diam  
Post 300mm  
CF Fm 50 x .75mm  
Plain  
**L100**



**Tier L101**



**Groove L103**



**Pyramid L105**



**Bolero L107**



**Hatch L102**



**Inverted L104**



**Slant L106**



**Lantern L108**



**Accent Lights**  
PVC body and base.  
Body 285 x 30m diam  
CF Fm 75 x .75mm  
**A200**

Fm is the maximum fibre capacity ST Standard termination. Factory fitted PVC, epoxy filled ground and polished, Silicone sealed on site or in factory  
CF Cut fibre on site ES Epoxy sealed special termination factory fitted or on site. HN Hot knife finished on site or in factory

**Provisional**