

## Introduction

The fittings illustrated in this section fall into four main categories.

### Part One

#### **Industrial Fittings** (pages 3:12–3:13)

A range of heavy-duty fittings to take incandescent or discharge lamps most of which are designed for high-bay mounting.

### Part Two

#### **Commercial, Display and Decorative Fittings**

##### (a) Display Fittings (pages 3:14–3:38)

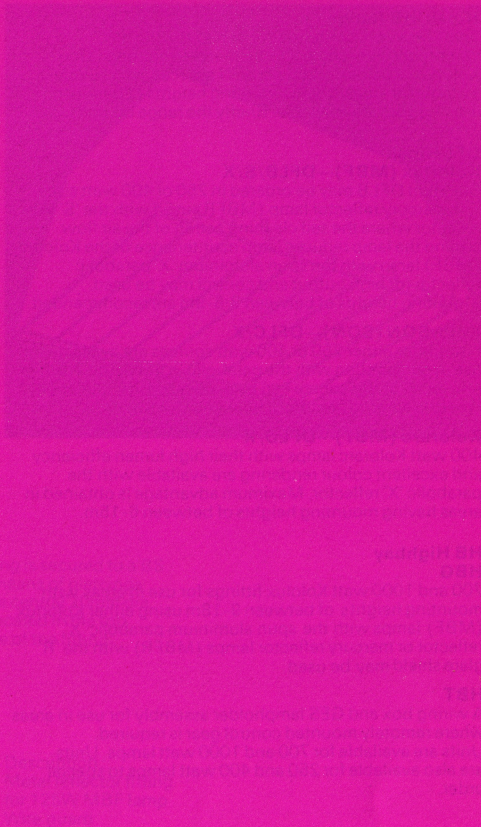
This section covers a range of swivel-mounted fittings designed to make full use of the new light sources now available and the established range of recessed and surface-mounted fixed display-type fittings.

##### (b) Hospital Lighting Fittings (page 3:39).

##### (c) Decorative Fittings (pages 3:40–3:60).

Glass and plastic ceiling-mounted and pendant fittings and wall brackets to suit almost any commercial interior, including the well-known Modern, Link-lite and Chelsea ranges.

A detailed index of Part One is on page 3:2 and of Part Two on page 3:14.



Hipak/HB Range

Two "families" of fittings combined to offer a comprehensive range of industrial area lighting using Kolorlux, Kolorarc and KolorSON sources, particularly suitable for areas where mounting heights of between 4.5 and 15m are available. Briefly the range comprises :

DFL Hipak  
Kolorlux (MBF)—DFLB/S/X

Standard DFLB may be ordered in 250 or 400 watt sizes. The mercury reflector lamp (MBFR) used with the 'S' skirt reflector where the self cleaning action of the air flow around the lamp reduces lamp maintenance or the Kolorlux (MBF) lamp with the spun aluminium 'X' parabolic reflector for high output and control may be used. Mounting heights of between 3.5-9m are recommended.

KolorSON (SON)—DFLC/X

Fittings for either 250 or 400 watt sources are available for use in conjunction with the parabolic 'X' reflector. The high efficiency of this source can be maximised in installations where mounting heights of between 6-9m exist.

Kolorarc (MBI)—DFLD/X

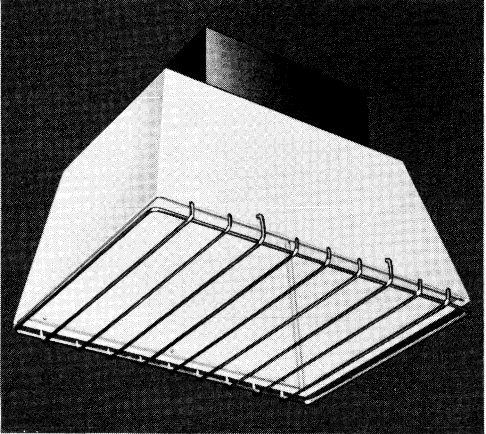
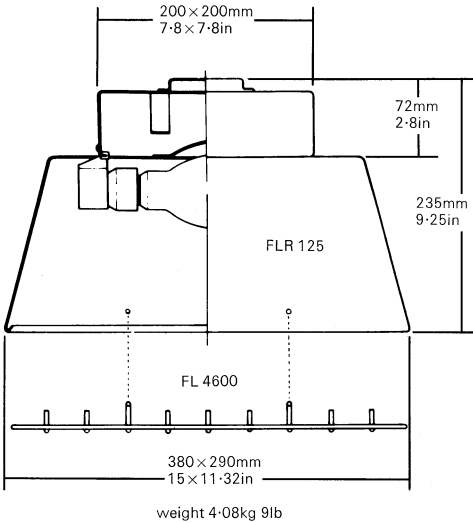
400 watt Kolorarc lamps with their high lumen efficiency and excellent colour rendering are available with the parabolic 'X' reflector. Maximum advantage is obtained in areas having mounting heights of between 6-15m.

HB Highbay  
HBG

700 and 1000 watt Kolorlux fittings for use in areas with mounting heights of between 9-18m using either Kolorlux (MBF) lamps with the spun aluminium parabolic 'X' reflector or mercury reflector lamps (MBFR) with the 'R' glare shield may be used.

HBT

A wiring box and GES lampholder assembly for use in areas where remotely mounted control gear is required. Units are available for 700 and 1000 watt lamps. Units are also available for 250 and 400 watt lamps to special order.



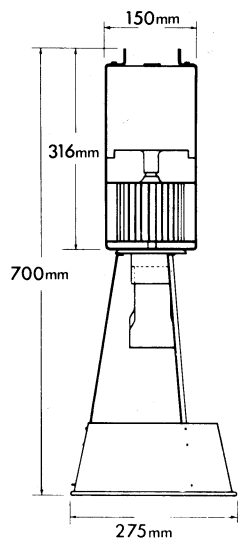
The FLR 125 fitting is for industrial areas with normal or low ceilings such as machine shops, garages, warehouses, storerooms and enclosed loading bays. The fitting comprises a square black box containing control gear for one 125W MBF Kolorlux lamp (not included in pack), and a closed end trough reflector, finished white and attached to the underside. The lamp is mounted horizontally to reduce overall depth of the fitting. Flicker is occasionally noticeable with lower wattage discharge sources. This is eliminated by the incorporation of a rectifier in the 125W circuit. Reflector and gear box are in one pack and an optional wire guard is available.

**Fixing:** The fitting is secured to a BS conduit box by means of piercings clustered round a central 20mm dia. clearance hole located in the top boss at the centre of the fitting.

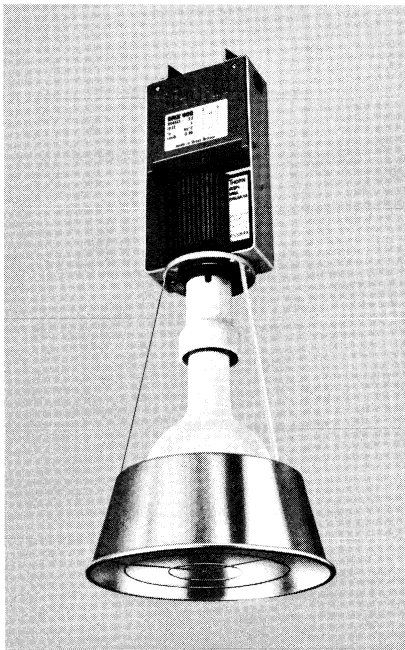
Catalogue no.	Description :
FLR 125	Metal reflector fitting for 125W MBF lamp
FL 4600	Wire guard

Note: Change of catalogue no. with introduction of circuit rectification.

DFLB 250/S and 400/S



DFLB 250/S  
DFLB 400/S



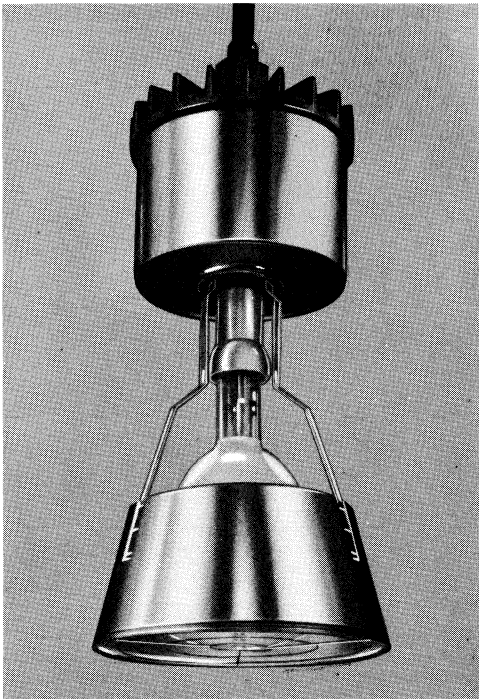
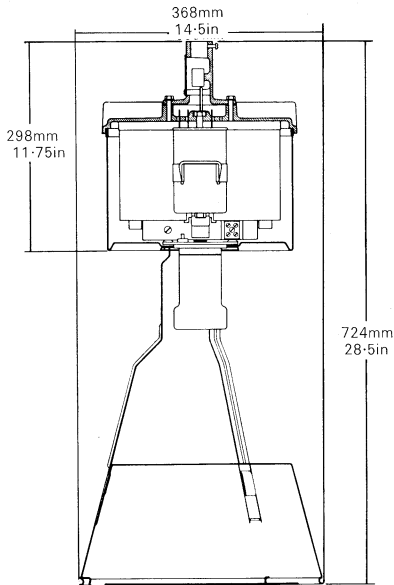
These fittings are suitable for lighting many Industrial areas having mounting heights of between 4.5-9 m where high illumination levels coupled with reduced maintenance may be achieved. The potted ballast is housed in an aluminium extrusion. The large polycarbonate wiring box, which has through wiring as well as top and side entry facilities, contains the capacitor and 30 amp terminal block. The fitting is easily installed via a 25mm clearance hole in the top of the wiring box for conduit entry. Additional support lugs are located on the stove enamelled zinc plated steel frame. Stainless steel screws are used throughout.

The 250 or 400W MBFR mercury vapour reflector lamps are operated by switchless start control gear for 240V 50Hz supplies (other supplies on application). Maximum light output is achieved since the position of the lamp, relative to the skirt reflector, is fixed at source of manufacture by means of a lamp spacer. A wire guard is supplied with the skirt reflector to afford lamp protection. These fittings are designed to run continuously in an ambient temperature of 45°C and are drip proof. Made to BS 4533-2.2, 1P22.

Complete fitting			Components			Weight including lamp	
Rating	Lamp type	Catalogue no.	Control gear housing including gear Catalogue no.	Reflector Catalogue no.	Spare wire guard Catalogue no.	Kg	lb
250W	MBFR	DFLB 250/S	DFLB 250	DFLS	Included	6.3	13.8
400W	MBFR	DFLB 400/S	DFLB 400	DFLS	Included	7.2	15.8

Note: DFLS skirt reflector may be replaced by a DFLX parabolic reflector for use with MBFU lamps

HBR/G700 and G1000 fittings



HBR/G1000

These fittings are for installations where mounting heights of between 9-18m/30-60ft are available and are suitable for use in practically all types of industry. The fitting is particularly recommended for new installations or for replacing existing tungsten fittings where higher illumination values with reduced maintenance are required. The fittings incorporate switchless start control gear for operating either a 700W or 1000W MBFR high-pressure mercury vapour reflector lamp on 240V 50Hz supplies

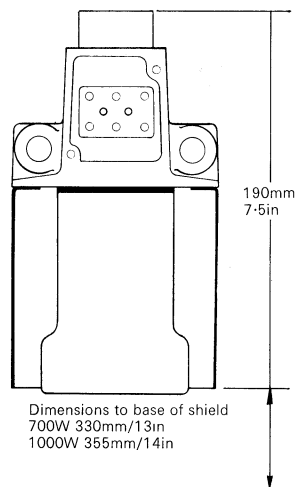
(other supplies on application). The fitting is easily installed via a 25mm diameter conduit entry on the top of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector shield is provided as standard to ensure the maximum downward light output and at the same time afford protection to the lamp. A protective wire guard is provided for fitting into the base of the reflector. A version for use with remotely mounted control gear is also available (see HBT page 3:6).

Range		Components		Weight incl. lamp	
Complete fitting		Control gear housing including gear Catalogue no.	Reflector 700/1000W Catalogue no.	kg	lb
Rating	Catalogue no.				
700W	HBR/G700	HBG 700	HBR 1000	17.1	37.75
1000W	HBR/G1000	HBG 1000	HBR 1000	18.2	40.25

Note: The HBR 1000 reflector shield can be replaced by an HBX 1000 reflector (see page 3:8) for use with 700W and 1000W MBF lamps.



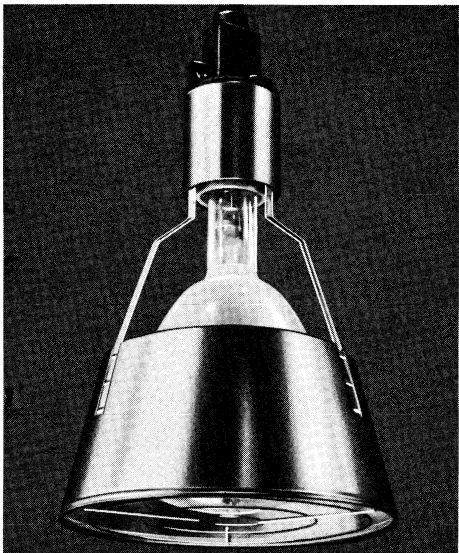
HBT fittings



These fittings are for installations where mounting heights of between 9-18m/30-60ft are available, and are particularly recommended for installations where a high illumination value with low maintenance is required. This fitting will accept either a 700W or 1000W\* MBFR high pressure mercury vapour reflector lamp for use with remotely mounted control gear. The fitting is easily installed via a 25mm/1 in diameter conduit entry on top of the fitting.

A reflector shield is provided as standard to ensure the maximum downward light output and at the same time afford protection to the lamp. A protective wire guard is provided for fixing to the base of the reflector.

*\*Note*  
Fittings for use with 250 and 400W lamps are available. Details on application.



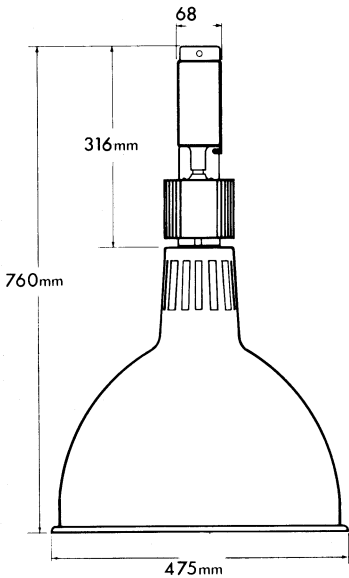
HBT/R1000

Range

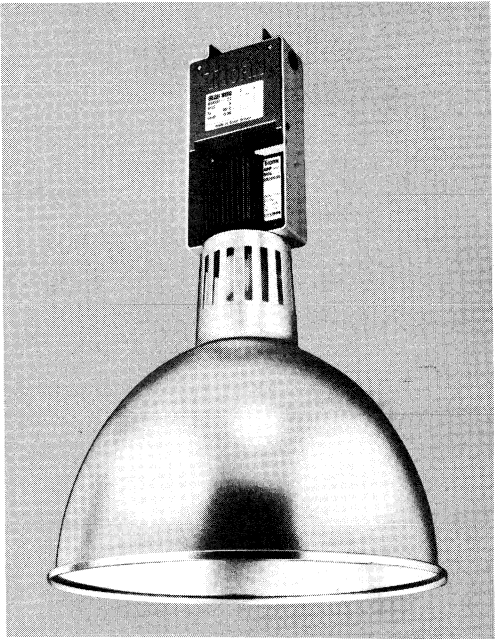
Complete fitting			Components		Dimensions		Weight	
Rating	Lamp type	Catalogue no.	Top Catalogue no.	Reflector including guard Catalogue no.	Max. diameter mm	in	(ex lamp) kg	lb
700W, 1000W	MBFR	HBT/R1000	HBT	HBR 1000	368	14.5	0.79	1.75

*Note.* The HBR reflector shield can be replaced by HBR reflector (see page 3.8)

New Hipak DFLB 250/X and 400/X



DFLB 250/X  
DFLB 400/X



These fittings are suitable for lighting many Industrial areas having mounting heights of between 4.5-9m where high illumination levels coupled with reduced maintenance may be achieved. The potted ballast is housed in an aluminium extrusion. The large polycarbonate wiring box, which has through wiring as well as top and side entry facilities, contains the capacitor and 30 amp terminal block. The fitting is easily installed via a 25mm clearance hole in the top of the wiring box for conduit entry. Additional support lugs are located on the stove enamelled zinc plated steel frame. Stainless steel screws are used throughout. The 250 or 400W MBF high pressure mercury vapour lamps are operated by switchless start control gear for

240V 50Hz supplies (other supplies on application). Maximum light output to give a BZ1 distribution is achieved since the position of the lamp, relative to the parabolic reflector is fixed at source of manufacture by means of a lamp spacer. Slots in the top of the reflector provide a small proportion of upward light and allow a flow of air to pass over the lamp and reflecting surfaces. A protective wire guard is available and may be fitted to the base of the reflector. These fittings are designed to run continuously in an ambient temperature of 45°C and are drip proof.

Made to BS 4533-2.2, 1P22.

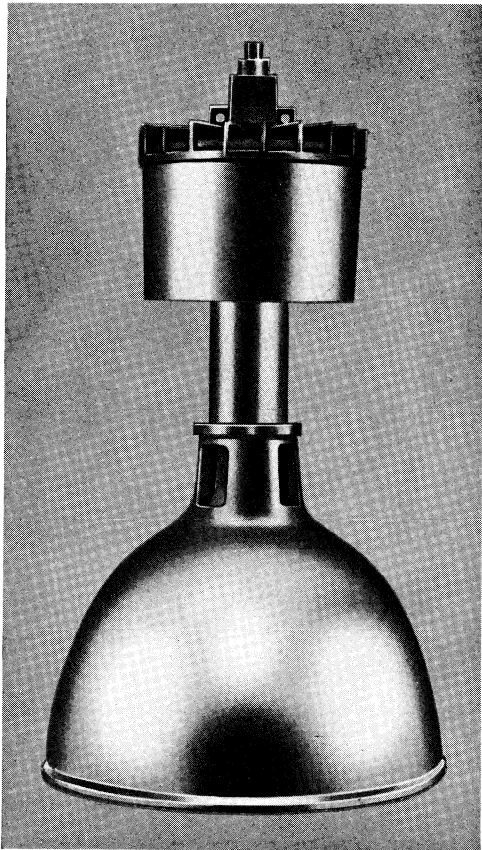
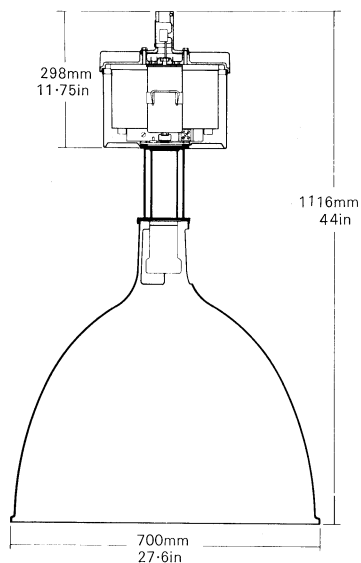
Range

Complete fitting			Components		Weight including lamp	
Rating	Lamp type	Catalogue no.	Control gear housing including gear Catalogue no.	Reflector Catalogue no.	Optional wire guard Catalogue no.	kg lb
250W	MBF	DFLB 250/X	DFLX	DFLG		7.25 15.9
400W	MBF	DFLB 400/X	DFLX	DFLG		8.15 17.9

*Note:* The DFLX parabolic reflector may be replaced by a DFLS skirt reflector for use with the MBF/R lamps



HBX/G700 and G1000 fittings



HBX/G1000

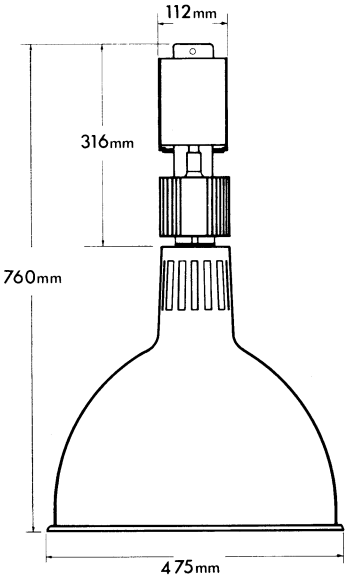
These fittings are for installations where mounting heights of between 9-18m/30-60ft are available and are suitable for use in practically all types of industry. These fittings are particularly recommended for new installations or for replacing existing tungsten fittings where higher illumination values with reduced maintenance are required. The fittings incorporate switchless start control gear for operating either a 700W or 1000W MBF high pressure mercury vapour reflector lamp on 240V 50Hz supplies (other supplies on application). The fitting is easily installed via a 25mm diameter conduit entry on the top of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector is

provided as standard to ensure the maximum downward light output and at the same time afford protection to the lamp. A protective wire guard is available for fitting into the base of the reflector. A version for use with remotely mounted control gear is also available (see HBT page 3:11).

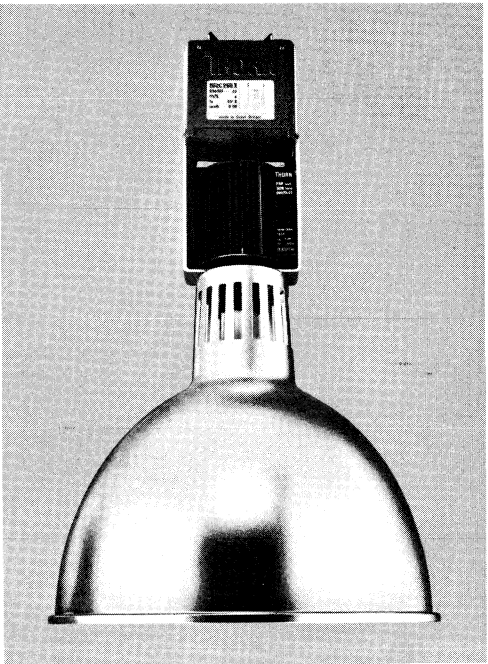
Range		Complete fitting				
Rating	Lamp type	Catalogue no.	Components		Weight incl. lamp	
			Control gear housing incl. gear	Reflector Catalogue no.		
700W	MBF	HBX/G700	HBG 700	HBX 1000	19.2	42.4
1000W	MBF	HBX/G1000	HBG 1000	HBX 1000	20.9	46

Note: The HBX 1000 reflector can be replaced by an HBR 1000 reflector shield (see page 3:5) for use with 700W and 1000W MBFR lamps.

New Hipak DFLD 400/X



DFLD 400/X

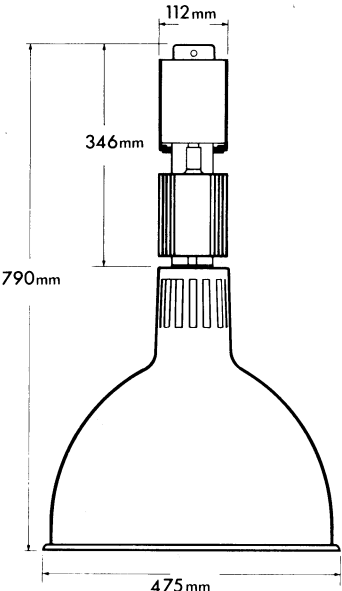


These fittings are suitable for lighting many Industrial areas having mounting heights of between 6-15m where high illumination levels coupled with reduced maintenance may be achieved. The potted ballast is housed in an aluminium extrusion. The large polycarbonate wiring box, which has through wiring as well as top and side entry facilities, contains the capacitor, ignitor and 30 amp terminal block. The fitting is easily installed via a 25mm clearance hole in the top of the wiring box for conduit entry. Additional support lugs are located on the stove enamelled zinc plated steel frame. Stainless steel screws are used throughout. The 400W MBIF Kolorarc lamp is operated by switchless start control

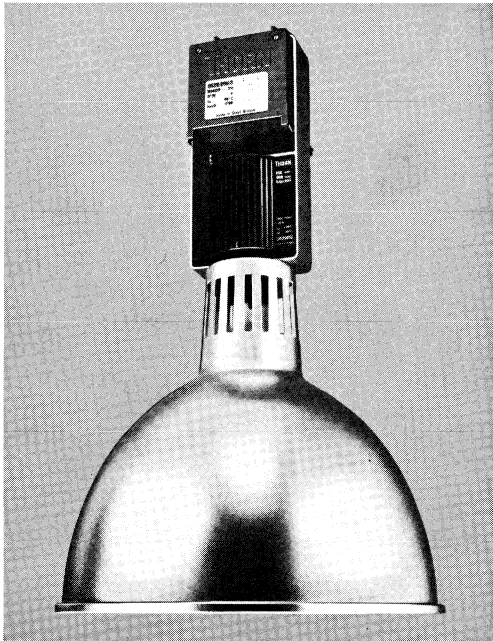
gear for 240V 50Hz supplies (220V 50Hz on application). Maximum light output to give a BZI distribution is achieved since the position of the lamp, relative to the parabolic reflector is fixed at source of manufacture by means of a lamp spacer. Slots in the top of the reflector provide a small proportion of upward light and allow a flow of air to pass over the lamp and reflecting surfaces. A protective wire guard is available and may be fitted to the base of the reflector. These fittings are designed to run continuously in an ambient temperature of 45°C and are drip proof. Made to BS 4533-2.2, 1P22.

Range		Complete fitting				
Rating	Lamp type	Catalogue no.	Components		Weight incl. lamp	
			Control gear housing incl. gear	Reflector Catalogue no.		
400W	MBI	DFLD 400/X	DFLD 400	DFLX	8.55	18.8

New Hipak DFLC 250/X and 400/X



DFLC 250/X  
DFLC400/X



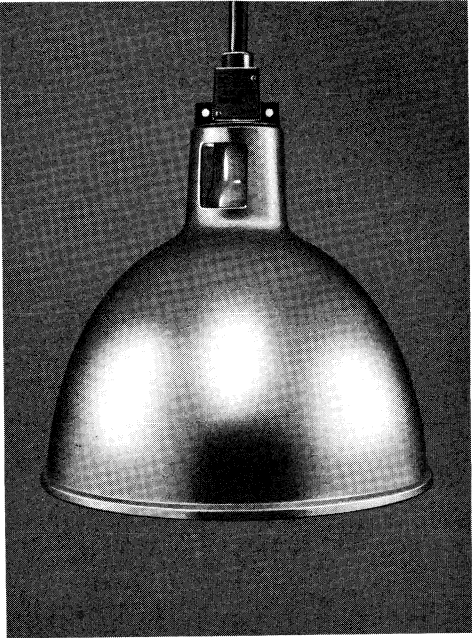
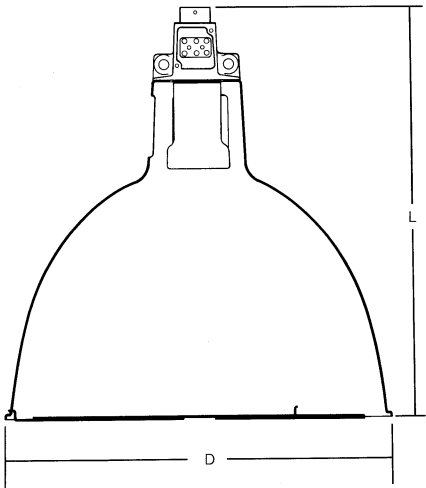
These fittings are suitable for lighting many Industrial areas having mounting heights of between 6-15m where high illumination levels coupled with reduced maintenance may be achieved. The potted ballast is housed in an aluminium extrusion. The large polycarbonate wiring box, which has through wiring as well as top and side entry facilities, contains the capacitor, ignitor and 30 amp terminal block. The fitting is easily installed via a 25mm clearance hole in the top of the wiring box for conduit entry. Additional support lugs are located on the stove enamelled zinc plated steel frame. Stainless steel screws are used throughout. The 250 or 400W SON high pressure sodium lamps are operated by

switchless start control gear for 240V 50Hz supplies (220V 50Hz on application). Maximum light output to give a BZ1 distribution is achieved since the position of the lamp, relative to the parabolic reflector is fixed at source of manufacture by means of a lamp spacer. Slots in the top of the reflector provide a small proportion of upward light and allow a flow of air to pass over the lamp and reflecting surfaces. A protective wire guard is available and may be fitted to the base of the reflector. These fittings are designed to run continuously in an ambient temperature of 45°C and are drip proof. Made to BS 4533-2.2, 1P22.

Range

Complete fitting			Components			Approx. Weight incl. lamp
Rating	Lamp type	Catalogue no.	Control gear housing incl. gear Catalogue no.	Reflector Catalogue no.	Optional Wire guard Catalogue no.	
250W	SON	DFLC 250/X	DFLC 250	DFLX	DFLG	9-15 20-1
400W	SON	DFLC 400/X	DFLC 400	DFLX	DFLG	10-25 22-5

HBT/X 1000 fittings



HBT/X1000

These fittings are for installations where mounting heights of 9-18m are available. They are suitable for use in practically all types of industry and are particularly recommended for new installations or for replacing existing tungsten fittings where higher illumination values with reduced maintenance are required. The fitting will accept either 1000W MBF or 700 and 1000W MBF\* lamps and is easily installed by means of a 25mm/1 in diameter conduit entry on top.

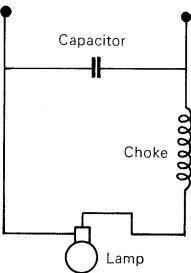
A reflector in anodized aluminium is provided to give a BZ1 high efficiency downward light output. Slots are provided at the top of the reflector to allow a flow of air over the lamp and reflecting surfaces which helps reduce maintenance. A protecting wire guard (Catalogue no. HB4602 ) is available for use with the reflector. Remotely mounted gear is required for this fitting. \*Note Fittings for use with 250 and 400W lamps are available. Details on application.

Range

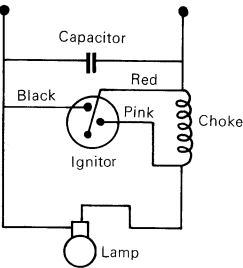
Complete fitting			Dimensions				Weight incl. lamp	
Rating	Lamp type	Catalogue no.	D		L		kg	lb
			mm	in	mm	in		
700W	MBF	HBT/X1000†	700	27.6	756	29.75	3.7	8.15
1000W	MBF or MBI	HBT/X1000†	700	27.6	756	29.75	4.2	9.25

†This fitting may also be used with 500, 750, 1000, 1500W GLS lamps

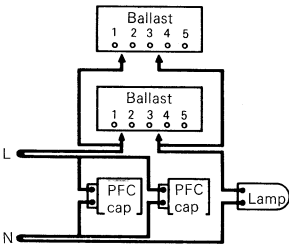
Replacements for High-Bay fittings



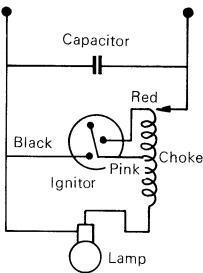
DFLB 250  
DFLB 400



DFLD 400



700, 1000W  
MBF/MBFR



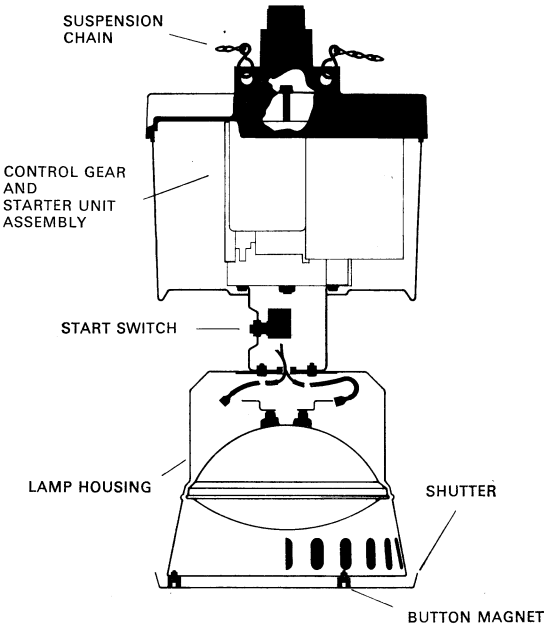
DFLC 250  
DFLC 400

The items listed below are replacements for the industrial discharge lamp fittings with integral gear described on earlier pages. Full details of each item are shown in Section 10 of this catalogue.

Replacement Items for Industrial Discharge Fittings with Integral Gear

Description	125W MBF	250W MBF/MBFR	400W MBF/MBFR	700W MBF/MBFR	1000W MBF/MBFR	400W MBIF	250W SON	400W SON
Skirted lampholder	GL 1113	GL 1094	GL 1094	GL 1094	GL 1094	GL 1094	GL 1094	GL 1094
3-way terminal block	GT 1281/3	—	—	GT 1306	GT 1306	—	—	—
2-way terminal block	—	GT 1362	GT 1362	—	—	GT 1362	GT 1362	GT 1362
Ballast	G 53186-4	G 53285-4	G 53284-4	G 53157.T G 53158.T	2xG 53164-4	G 53288-4	G 53287.T	G 53286.T
Capacitor	GC 2222	GC 2370	—	GC 2214 GC 2218	2xG C2236	GC 2331	GC 2345 GC 2370	GC 2331
Ignitor	—	—	GC 2331	—	—	G 53283	G 53282	G 53282

Graph-X 400W Metal Halide Sealed Beam lamp unit for photoprinting



DHIP/S400 GRAPH-X FITTING

This fitting is designed for use in the Graphic Arts Industry to accommodate a 400W MBI Sealed Beam Photoprinting lamp (ref: 91-9826), for exposing of platemaking, colour proofing, photo-resist and diazo material. The fitting incorporates control gear consisting of a choke, capacitors and starter unit in a cylindrical can to which is attached a reflector in anodised aluminium which houses the lamp. A magnetically held shutter is provided to cover the reflector front. A push button is included in the neck of the fitting for starting the lamp.

<b>RANGE</b>	
Rating	400W
Lamp Type	400W MBI Sealed Beam
Cat. No.	DHIP/S400
Weight Including Lamp	23lb (10.5kg)

<b>COMPONENTS</b>	
Control Gear Housing Including Gear	DHIP/400
Reflector/Shutter	DHS



## Commercial, Display and Decorative fittings

### Introduction

The fittings shown in this section can be divided into three main categories. The first contains the new Hi-Spot range of swivel-mounted and adjustable spotlights and floodlights designed for use in shopwindows or for lighting interior displays. These fittings make use of the complete range of specialised lamps such as pressed and blown-glass reflector-lamps and low voltage reflector and tungsten-halogen lamps. Most of them are designed so that they can be mounted on Trakline. The second part contains surface mounted and recessed ceiling fittings using standard lamps or reflected lamps, and a variety of decorative diffusers and louvers, and in the third is the wide range of glass, plastic and metal decorative fittings both for ceiling mounting and for use as pendants and wall brackets for which the company is justly famous.

### Index

- 3:14 Hi-Spot Introduction to Display Range**  
**Mains Voltage fittings**  
**3:15** DTR 100BC spotlight holder for 100W I.S. lamp  
**3:16** DTG 100BC spotlight holder for 100W GLS lamp  
**3:17** DTU 200 swivel housing for 200W I.S. lamp  
**3:18** DTU 200 swivel housing for 200W I.S. lamp  
**3:19** DTC 100 reflector fitting for 100W crown silvered lamp  
**3:20** DTP 200 swivel housing for 200W PAR lamp  
**3:21** DTP 300 swivel housing for 300W PAR lamp  
**3:22** DTLIN 300/500 swivel reflector for 300W or 500W linear T.H. lamp
- Low Voltage fittings** (all with built-in transformers)  
**3:23** DTLV20 Swivel housing for 6V 20W T.H. lamps  
**3:24** DTLV50 Swivel housing for 12V 50W T.H. lamp  
**3:25** DTLV100 Swivel housing for 12V 100W T.H. lamp  
**3:26** DTPRO50 Profile spot for 12V 50W T.H. lamp
- Mains Voltage Spotlights**  
**3:27** VE 150 adjustable Eyeball fitting  
**3:28** VG 100 VG 150 Swivel mounting for PAR lamps  
**3:29** VA 100, VA150 Auxiliary reflectors for GLS lamps  
**3:30** PAR 38 Show-off fitting
- Low Voltage Spotlights**  
**3:31** DAS 150 Swivel housing for 12V 50W reflector lamps  
**3:32** DCS 150 Swivel housing for 12V 50W reflector lamps  
**3:33** TRF 2338F Transformer for use with above.
- Display Lighting** surface-mounted and recessed ceiling fittings  
**3:34** General Information  
**3:35** VSL, VSX, VSZ 100W Surface mounted fittings and attachments  
**3:36** VSL, VSZ, 200W Surface mounted fittings and attachments  
**3:37** VCB, VCM, VU Cylinder Range (recessed and surface-mounted)  
**3:38** VC Cylinder range, and attachments (VL, VX, VZ)  
**3:39** VR 100, 100W Recessed fittings and attachments (VLYP, VS, XX, VY, VZ)  
**3:40** VR200, 200W Recessed fittings and attachments (VL, VO, VX, VY, VZ)  
**3:41** DNM Surface mounted fitting  
**3:42** DP recessed ceiling fitting  
**3:43** JCA recessed ceiling fitting  
**3:44** VJ Junior recessed fitting  
**3:45** EU750 Tungsten-halogen interior floodlight
- Hospital and School lighting fittings**  
**3:46** OE0, OG1, Low Brightness Bedhead fitting  
**3:47** MN series, Opalite pendant fittings
- Glass, metal and Plastic Decorative fittings**  
**3:48** Nova Range, glass pendants and ceiling fittings NC, ND, NCA, NDA, NFA, NLA  
**3:49** Kolorlux Package deal PKC 80 & 125 PKA 80 and 125 PKM 80 & 125  
**3:50** Kolorlux PKO 80 & PKO 125, PKB 80 & 125  
**3:51** Kolorlume DKA 125, 250, 400
- Modern Range**  
**3:52** XAT, XBC, XDC, XDO, XFL Modern glasses and suspensions  
**3:53** XDS, XYO, XZO, XUO Modern glasses and suspensions  
**3:54** Modern Suspensions  
**3:55** XT Swedish Pendant  
**3:56** WLP, WLC Link-lite fittings  
**3:57** WEP, WEC, WQP Link-lite 2 and 3 fittings  
**3:58** WM Cube light  
**3:59** SCC, SCA, SCR Scatter light  
**3:60** JZ, JY, JF Chelsea Glasses  
**3:61** JCP, JCB, JCG, Chelsea suspension systems  
**3:62** Oyster

## Hi-Spot 100W reflector spotlight fitting

This fitting accepts a number of 75W and 100W interior display reflector lamps. ES only. Cowl, louvre and coloured filters are available.

### Fittings

Catalogue no.	Cap	Watts	Fixing	Finish
DMR 100	ES	100	Multitrak	Matt black, chrome trim
DTR 100	ES	100	Trakline	Matt black, chrome trim
DSR 100	ES	100	Ceiling	Matt black, chrome trim

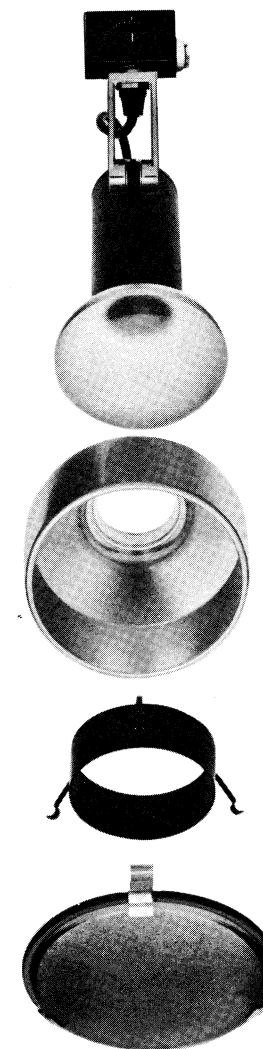
### Optional attachments

Catalogue no.	Description	Finish
DVH 100	Cowl	Brushed and lacquered aluminium
DVL 100	Louvre	Matt black
DVF 100R	Red glass filters*	
DVF 100A	Amber glass filters*	
DVF 100G	Green glass filters*	
DVF 100B	Blue glass filters*	

\*Complete with clips; packed 2 per carton

### Lamps

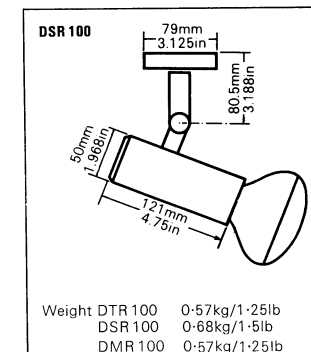
Watts	Description	Voltages
75	Interior display reflector lamp ES and BC	220/230
100		240, 250
75 only	As above in colours red, yellow green and blue	240/250



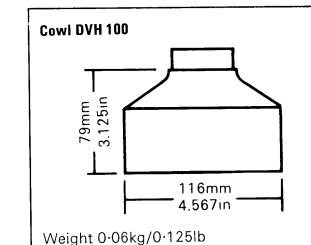
### Photometric Data

Average illumination value in lux.

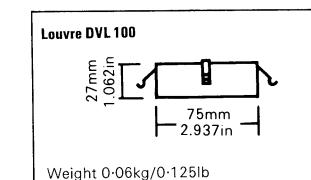
The photometry shown refers to clear lamps. Lux values for coloured lamps vary according to colour but approximate values are:  
 Yellow less 10%; Blue less 60%;  
 Red less 55%; Green less 50%.



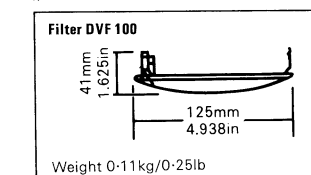
Weight DTR 100	0.57kg/1.25lb
DSR 100	0.68kg/1.5lb
DMR 100	0.57kg/1.25lb



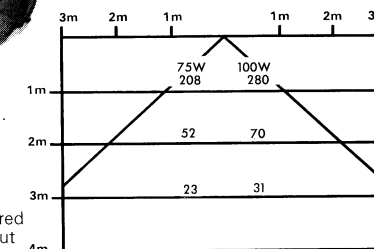
Weight 0.06kg/0.125lb



Weight 0.06kg/0.125lb



Weight 0.11kg/0.25lb



DTR 100 using 75W and 100W interior display reflector lamps

## Hi-Spot 100W GLS spotlight fitting

This fitting uses standard 100W GLS lamps in either ES or BC form to produce a well defined beam. To do this it uses a reflector enclosed in a brushed and lacquered aluminium cowl. A louvre and coloured filters are available as optional extras.

### Fittings

Catalogue no.	Cap	Watts	Fixing	Finish
DTG 100BC	BC	100	Trakline	Matt black, chrome trim
DSG 100BC	BC	100	Ceiling	Matt black, chrome trim
DTG 100	ES	100	Trakline	Matt black, chrome trim
DSG 100	ES	100	Ceiling	Matt black, chrome trim
DMG 100	ES	100	Multitrak	Matt black, chrome trim

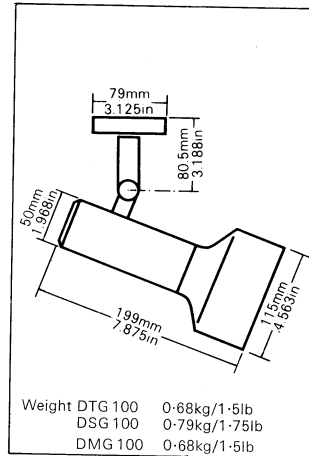
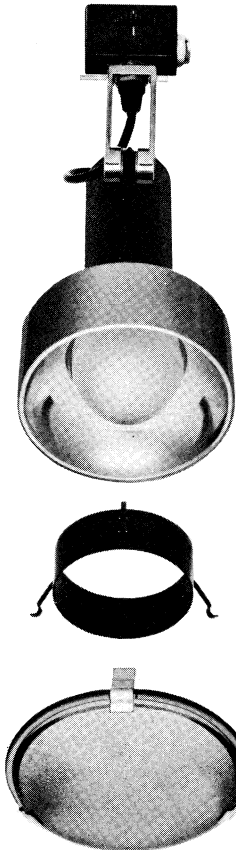
### Optional attachments

Catalogue no.	Description	Finish
DVL 100	Louvre	Matt black
DVF 100R	Red glass filters*	
DVF 100A	Amber glass filters*	
DVF 100G	Green glass filters*	
DVF 100B	Blue glass filters*	

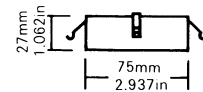
\*Complete with clips; packed 2 per carton

### Lamps

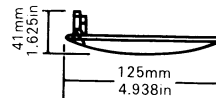
Watts	Description	Voltages
100	GLS, ES and BC	110, 240 and 250



### Louvre DVL 100

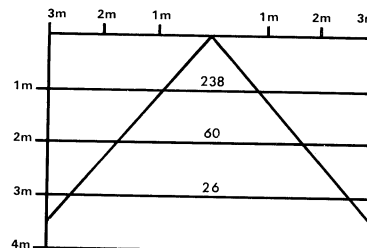


### Filter DVF 100



### Photometric Data

Average illumination value in lux.



DTG 100 using 100W GLS pearl lamp

## Hi-Spot 200W universal spotlight fitting

This range of spotlights uses as its basis a standard 150W or 200W PAR46 fitting with an adjustable lampholder. This, together with a range of reflectors, enables an immense variation of functions to be performed.

### Fittings

Catalogue no.	Cap	Watts	Fixing	Finish
DTU 200	ES	150	Trakline	Matt black, chrome trim
DSU 200	ES	150	Ceiling	Matt black, chrome trim
DMU 150	ES	150	Multitrak	Matt black, chrome trim

### Optional attachments

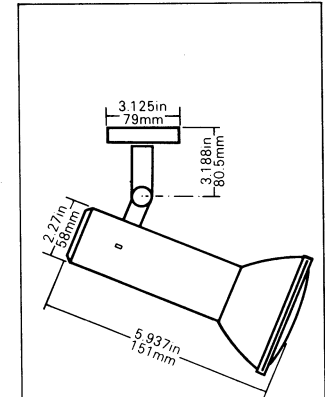
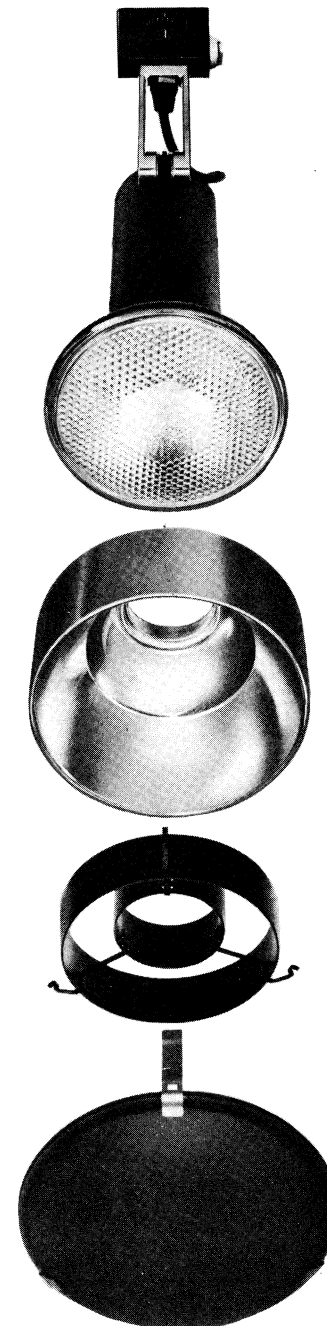
Catalogue no.	Description	Finish
DVH 150	Cowl. See lamp information for uses	Brushed and lacquered aluminium
DVHR 150	Cowl and reflector for 150W GLS lamp	Brushed and lacquered aluminium
DVAL 200	Reflector and louvre for 200W GLS lamp	Natural aluminium
DVL 150	Louvre for use on DVH 150 and DVHR 150	Matt black
DVF 150R	Red glass filter*	
DVF 150A	Amber glass filter*	
DVF 150G	Green glass filter*	
DVF 150B	Blue glass filter*	

\*Complete with clips; packed 2 per carton

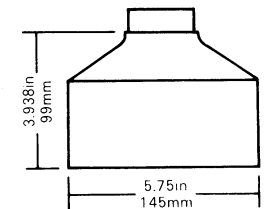
### Lamps

Watts	Description	Voltages
75, 100, 150	Interior display reflector lamps ES only	200/230
	*DVH 150 can be used	240, 250
75 only	As above in lacquered colours red, yellow, green and blue	240/250
	*DVH 150 can be used	
100, 150	GLS lamp (pearl) ES only	100, 220/230
	*DVHR 150 must be used	240, 250
200	GLS lamp (pearl) ES only	220/230
	*DVAL 200 must be used	240, 250
100, 150	PAR38 spot and flood	200/230
	*DVH 150 can be used	240/250
100	As above in lacquered colours red, yellow, green and blue	240/250
	*DVH 150 can be used	
150	PAR38 Cool-ray and Color-ray red, yellow, green and blue	240/250
	*DVH 150 can be used	
200	PAR46 spot or flood	240/250

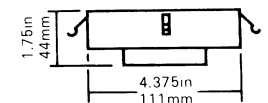
\*See details in Optional attachments table.



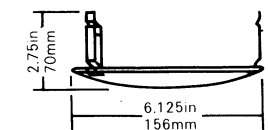
### Cowl DVH 150 and Cowl/Reflector DVHR 150



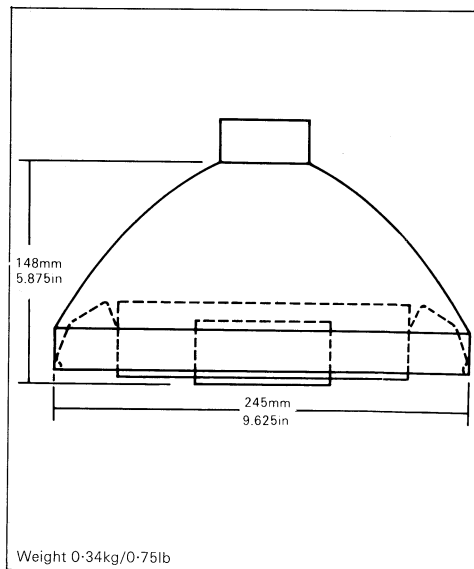
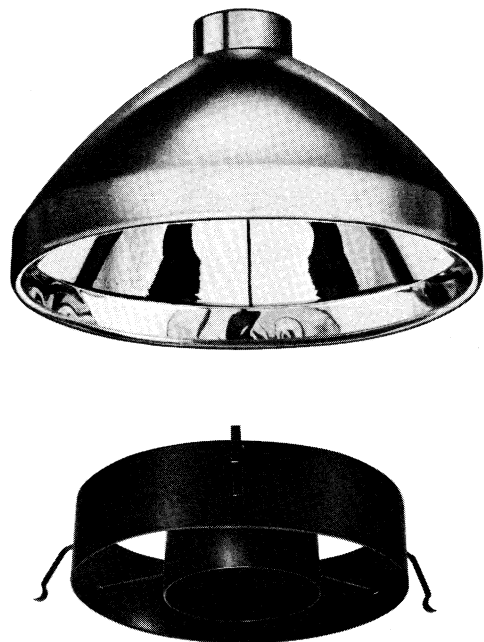
### Louvre DVL 150



### Filter DVF 150



## Hi-Spot 200W universal spotlight fitting

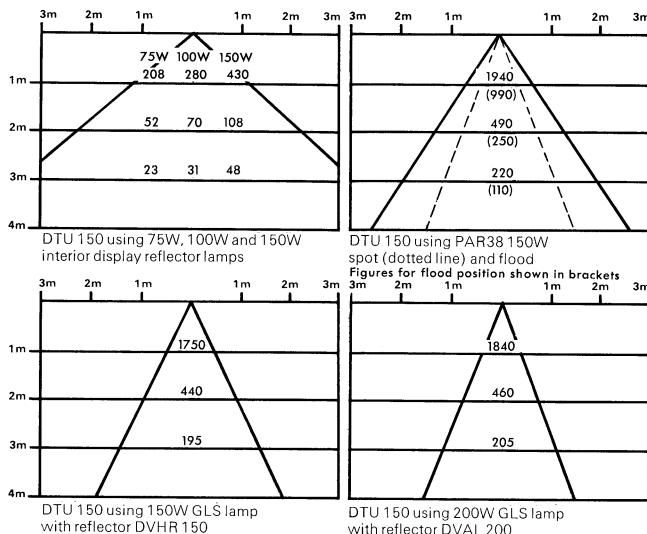


**Photometric Data**  
Average illumination value in lux

### Lamps

Watts	Description	Voltagess
75, 100, 150	Interior display reflector lamps ES only *DVH150 can be used	200/230 240, 250
75 only	As above in lacquered colours red, yellow, green and blue *DVH150 can be used	240/250
100, 150	GLS lamp (Pearl) ES only *DVHR150 must be used	100, 220/230 240, 250
200	GLS lamp (Pearl) ES only *DVAL200 must be used	220/230 240, 250
100, 150	PAR38 spot and flood *DVH150 can be used	200/230 240/250
100	As above in lacquered colours red, yellow, green and blue *DVH150 can be used	240/250
150	PAR38 Cool-ray and Color-ray in red, yellow, green and blue *DVH150 can be used	240/250
200	PAR46 spot and flood	240/250

\*See details in 'Optional attachments' table  
The photometry shown refers to clear lamps. Lux values for coloured lamps vary according to colour but approximate values are:  
Yellow less 10%; Blue less 60%;  
Red less 55%; Green less 50%.



## Hi-Spot 100W crown silvered spotlight fitting

This fitting, for use with 100W crown silvered display lamp, has the distinction of alternative coloured reflectors to increase its versatility. Fitted with natural anodized aluminium reflector. Available in ES only.

### Fittings

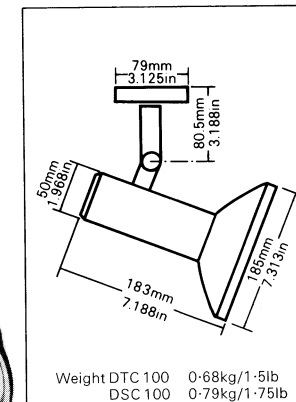
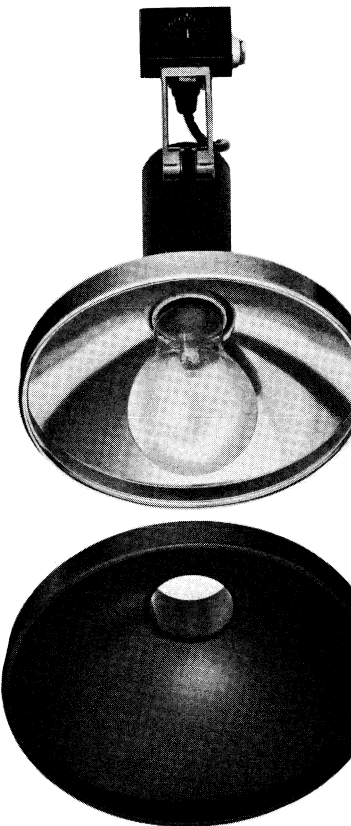
Catalogue no.	Cap	Watts	Fixing	Finish
DTC 100	ES	100	Trakline	Matt black, chrome trim
DSC 100	ES	100	Ceiling	Matt black, chrome trim
DMC 100	ES	100	Multitrak	Matt black, chrome trim

### Optional attachments

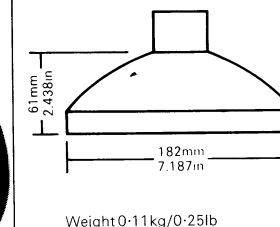
Catalogue no.	Description
DVA 100R	Red reflector
DVA 100A	Amber reflector
DVA 100G	Green reflector
DVA 100B	Blue reflector
Packed with lamp	

### Lamps

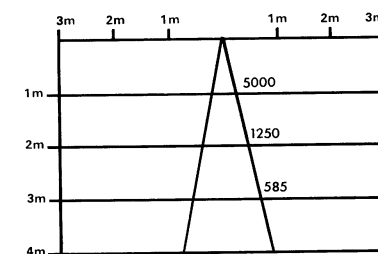
Watts	Description	Voltagess
100	Crown silvered display lamp ES cap	240/250



### Reflector DVA 100



**Photometric Data**  
Average illumination value in lux.



DTC 100 using 100W GLS crown silvered lamp with natural anodized aluminium reflector



# Hi-Spot 200W die-cast PAR38 or PAR46 spotlight fitting

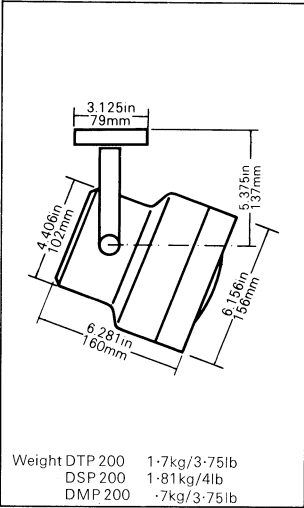
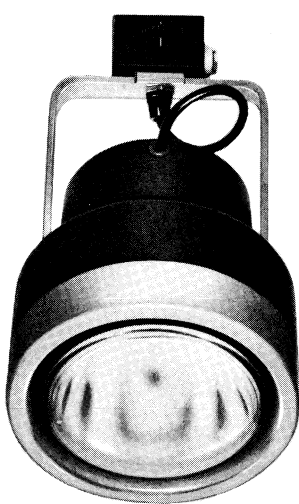
This group of fittings accepts a range of PAR38 or PAR46 lamps up to 200W. It features die-cast bodies finished in black or white with brushed and lacquered aluminium cowl and contrasting chrome trim.

## Fittings

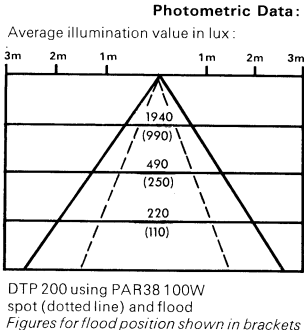
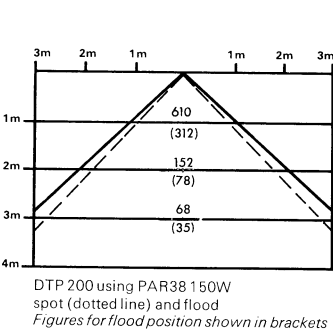
Catalogue no.	Cap	Watts	Fixing	Finish
DTP 200W	ES	150/200	Trakline	White
DTP 200B	ES	150/200	Trakline	Black
DSP 200W	ES	150/200	Ceiling	White
DSP 200B	ES	150/200	Ceiling	Black
DMP 200W	ES	150/200	Multitrak	White
DMP 200B	ES	150/200	Multitrak	Black

## Lamps

Watts	Description	Voltages
100, 150	PAR38 spot and flood	200/230 240/250
150	PAR38 Cool-ray	240/250
150	PAR38 Color-ray red, yellow, green and blue	240/250
100	PAR38 flood only red, yellow, green and blue	240/250
200	PAR46 spot and flood	240/250



The photometry shown refers to clear lamps. Lux values for coloured lamps vary according to colour but approximate values are : Yellow less 10% ; Blue less 60% ; Red less 55% ; Green less 50%.



# Hi-Spot 300W die-cast PAR56 spotlight fitting

This fitting is designed to accept the PAR56 300W lamp. It has a die-cast body, finished in gloss white or matt black with chrome trim.

## Fittings

Catalogue no.	Cap	Watts	Fixing	Finish
DTP 300W	GX16d	300	Trakline	White
DTP 300B	GX16d	300	Trakline	Black
DSP 300W	GX16d	300	Ceiling	White
DSP 300B	GX16d	300	Ceiling	Black
DMP 300W	GX16d	300	Multitrak	White
DMP 300B	GX16d	300	Multitrak	Black

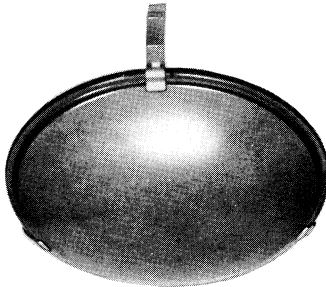
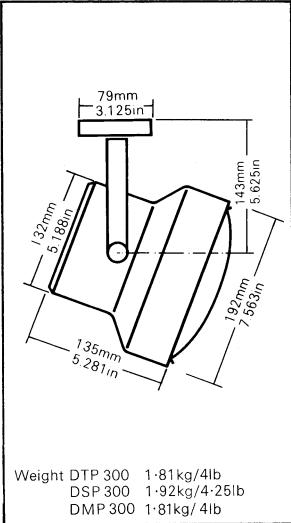
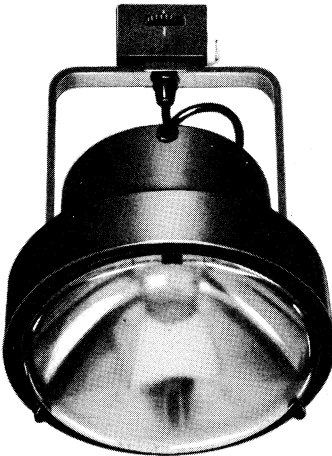
## Optional attachments

Catalogue no.	Description
DVF 300R	Red glass filter
DVF 300A	Amber glass filter
DVF 300G	Green glass filter
DVF 300B	Blue glass filter

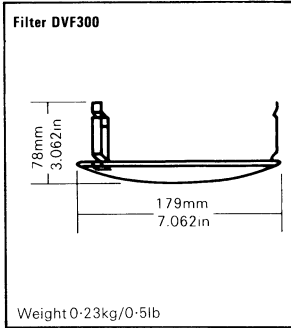
Complete with clips ; packed 2 per carton

## Lamps

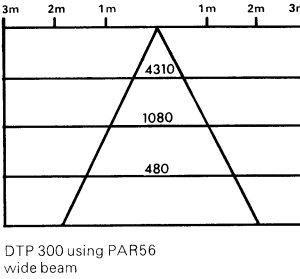
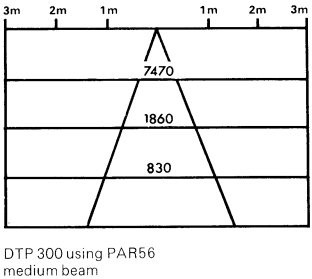
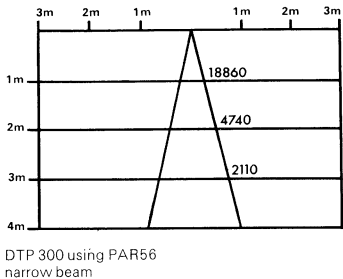
Watts	Description	Voltages
300	PAR56, sealed beam, wide, medium and narrow beam angles	200/230, 240/250



Filter DVF 300



Photometric Data  
 Average illumination value in lux  
 PAR56 lamps produce an elliptical beam form. Beams shown below are for the minor axis.



Hi-Spot 'wallwasher' using 300/500W TH linear lamp

This unique fitting uses a 300W or 500W Tungsten Halogen linear lamp to illuminate large vertical or horizontal areas. When used in this way the surface gives the appearance of uniformly high brightness. There is very little spill of light onto ceiling or floor. Two versions are available; 300 watts maximum for Trakline or Multitrak use, the 500 watt version for ceiling plate mounting.

Fittings

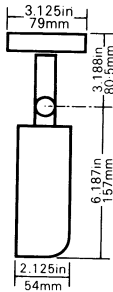
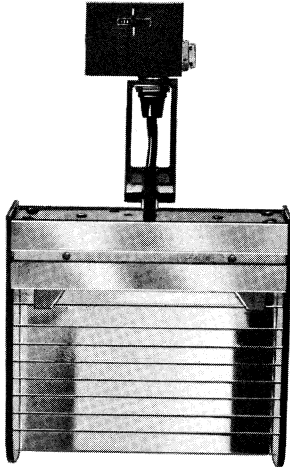
Cat. No.	Lamp Cap	Watts (max)	Fixing	Finish
DTLIN300	R7's	300	Trakline	Black, chrome and matt finish aluminium
DSLIN500	R7's	500	Ceiling	Black, chrome and matt finish aluminium
DMLIN300	R7's	300	Multitrak	Black, chrome and matt finish aluminium

Optional attachments

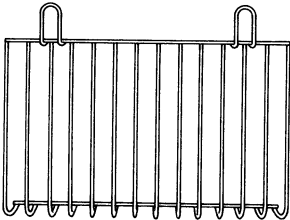
Cat. No.	Description	Finish
DVWG	Wire guard, complete with fixing screws	Stainless steel

Lamps (these lamps should be 'frosted' finish)

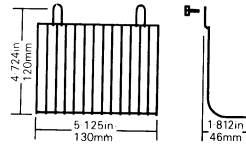
Watts	Description	Voltages
300	Tungsten Halogen linear lamp frosted	220/230, 240/250
500	Tungsten Halogen linear lamp	200/230, 240/250



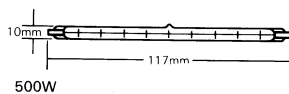
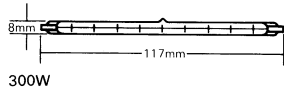
Weight DTLIN 2lb 4oz (1.02kg)  
DSLIN 2lb 8oz (1.13kg)  
DMLIN 300 2.4lb (1.02kg)



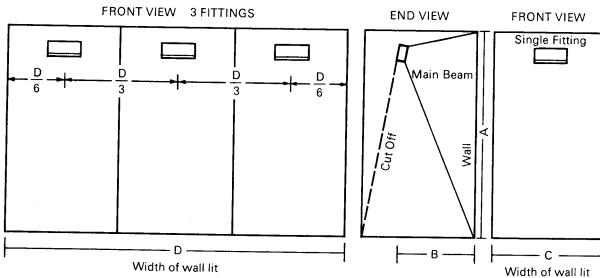
Wire Guard DVWG



Weight 2oz (0.06kg)



Photometric Data



		Single Fitting		3 Fittings	
A	B	C	L.V.*	D	L.V.*
7ft 2.13m	2ft 0.61m	7ft 2.13m	280 530	21ft 6.40m	360 680
8ft 2.44m	2.25ft 0.69m	8ft 2.44m	200 380	24ft 7.32m	260 490
9ft 2.74m	2.5ft 0.76m	9ft 2.74m	150 280	27ft 8.23m	190 360

\* Lux Values shown are average but achieve a visually even intensity. 500w values in italics

Hi-Spot spotlight fitting using 6V 20W TH lamp

This fitting uses a 6V 20W tungsten-halogen lamp mains operated by an integral transformer. It is finished in matt black with chrome trim. Fitted with natural anodized aluminium reflector.

Fittings

Catalogue no.	Cap	Watts	Voltages	Fixing	Finish
DTLV 20-2	Single ended bi-pin	20	220/230	Trakline	Black
DTLV 20+	Single ended bi-pin	20	240/250	Trakline	Black
DSL 20-2	Single ended bi-pin	20	220/230	Ceiling	Black
DSL 20+	Single ended bi-pin	20	240/250	Ceiling	Black
DML 20	Single ended bi-pin	20	240/250	Multi-Trak	Black

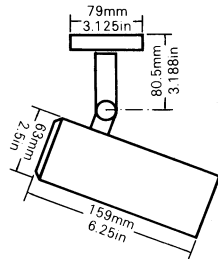
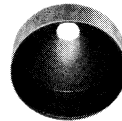
† Lamp packed with fitting  
220V versions to special order only

Optional attachments

Catalogue no.	Description
DVA 20R	Red reflector
DVA 20A	Amber reflector
DVA 20G	Green reflector
DVA 20B	Blue reflector

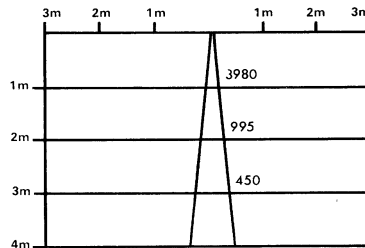
Lamps

Watts	Description	Voltage
20	Tungsten-halogen display lamp	6



Weight DTLV 20 0.91kg/2lb.  
DSL 20 1.02kg/2.25lb.  
DML 20 0.91kg/2lb.

Photometric Data  
Average illumination value in lux.



DTLV 20 using 6V 20W tungsten-halogen lamp with natural anodized aluminium reflector

## Hi-Spot spotlight fitting using 12V 50W TH lamp

This fitting uses a 12V 50W Tungsten Halogen lamp which is mains operated by an integral transformer.

### Fittings

Cat. No.	Lamp Cap	Watts	Voltages	Fixing	Finish
DTLV 50W†	Single ended Bi-Pin	50	240/250	Trakline*	White
DTLV 50B†	Single ended Bi-Pin	50	240/250	Trakline*	Black
DSLV 50W†	Single ended Bi-Pin	50	240/250	Ceiling	White
DSLV 50B†	Single ended Bi-Pin	50	240/250	Ceiling	Black
DMLV 50W	Single ended Bi-Pin	50	240/250	Multitrak	White
DMLV 50B	Single ended Bi-Pin	50	240/250	Multitrak	Black

\*These fittings can only be installed on aluminium Trakline (TKN).

†Lamp packed with fitting.

220V versions to special order only.

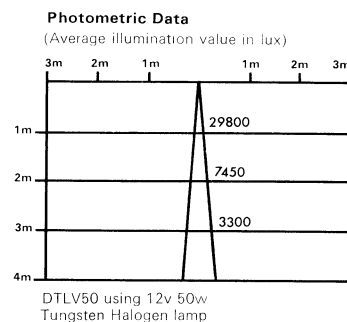
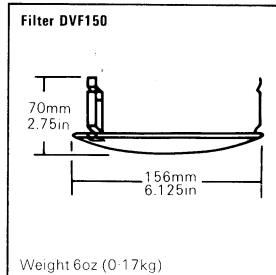
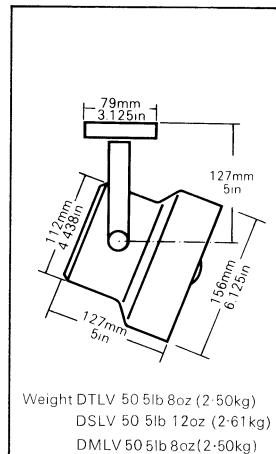
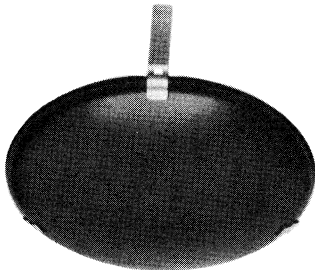
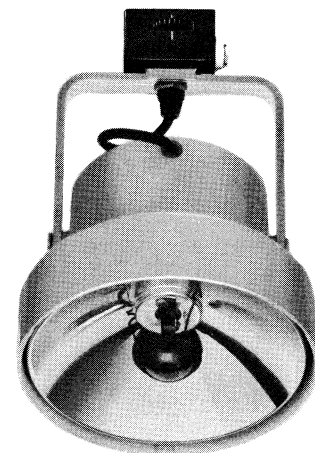
### Optional attachments

Cat. No.	Description
DVF150R	Red glass filters*
DVF150A	Amber glass filters*
DVF150G	Green glass filters*
DVF150B	Blue glass filters*

\*Complete with clips. Packed 2 per carton

### Lamp

Watts	Description	Voltage
50	Tungsten Halogen Display Lamp	12
	Catalogue number M32	



## Hi-Spot spotlight fitting using 12V 100W TH lamp

This fitting uses a 12V 100W tungsten-halogen lamp mains operated by an integral transformer. Finished in gloss white or matt black with chrome trim.

### Fittings

Catalogue no.	Cap	Watts	Voltages	Fixing	Finish
DTLV 100W†	Single ended bi-pin	100	240/250	Trakline	White
DTLV 100B†	Single ended bi-pin	100	240/250	Trakline	Black
DSLV 100W†	Single ended bi-pin	100	240/250	Ceiling	White
DSLV 100B†	Single ended bi-pin	100	240/250	Ceiling	Black
DMLV 100W	Single ended Bi-Pin	100	240/250	Multitrak	White
DMLV 100B	Single ended Bi-Pin	100	240/250	Multitrak	Black

†Lamp packed with fitting  
 220V versions to special order only

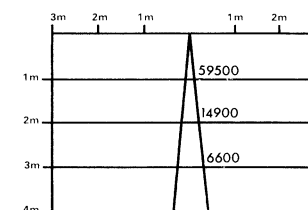
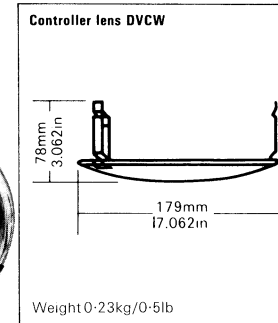
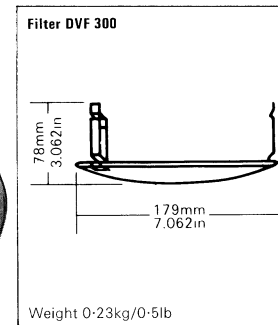
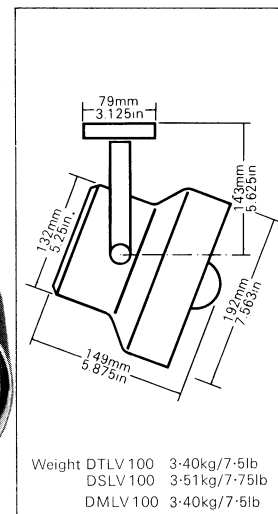
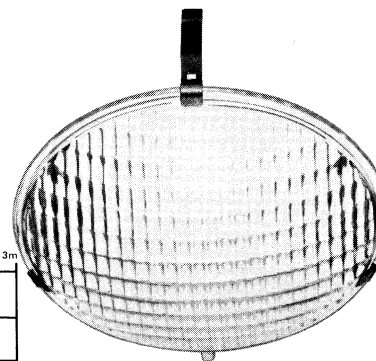
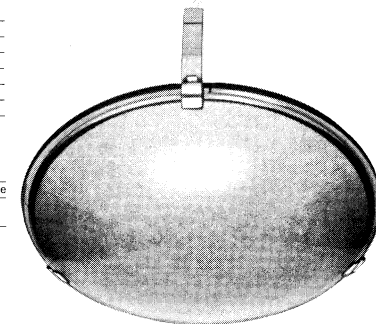
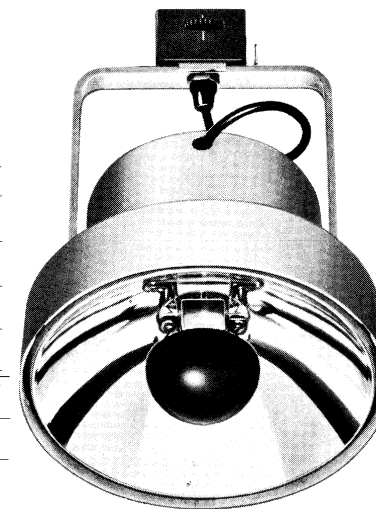
### Optional attachments

Catalogue no.	Description
DVF 300R	Red glass filters*
DVF 300A	Amber glass filters*
DVF 300G	Green glass filters*
DVF 300B	Blue glass filters*
DVCW	Controller lens, wide angle*

\*Complete with clips; packed 2 per carton

### Lamp

Watts	Description	Voltage
100	Tungsten-halogen display lamp	12
	Catalogue no. M28	



**Photometric Data**  
 Average illumination value in Lux.



# Hi-Spot profile spotlight fitting using 12V 50W TH lamp

Permits the 'shaping' of a spot to frame a rectangular area with little or no spill outside the required illuminated area. To achieve this, four small knobs on the front of the fitting adjust the shape of the gate. A 12V 50W Tungsten Halogen lamp is incorporated together with an integral transformer. Finished black with a chrome trim.

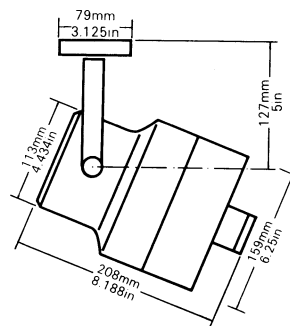
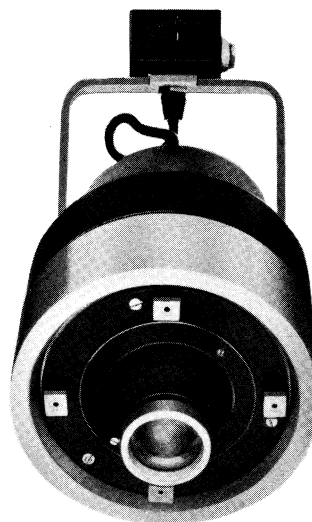
## Fittings

Cat. No.	Lamp Cap	Watts	Volts	Fixing	Finish
DTPRO 50†	Single ended Bi-Pin	50	240/250	Trakline*	Black
DSPRO 50†	Single ended Bi-Pin	50	240/250	Ceiling	Black
DMPRO 50	Single ended Bi-Pin	50	240/250	Multitrak	Black

\*These fittings can only be installed on aluminium Trakline (TKN)  
†Lamp packed with fitting.  
220v versions to special order only.

## Lamp

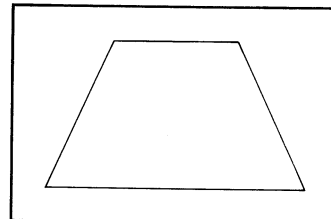
Watts	Description	Voltage
20	Tungsten Halogen Display Lamp Catalogue number M32	12



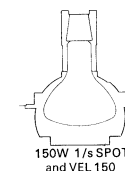
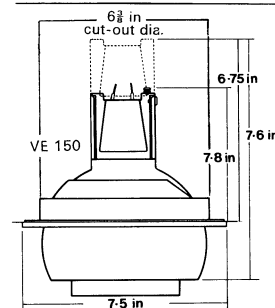
Weight DTPRO 50 6lb (2.72kg)  
DSPRO 50 6lb 4oz (2.83kg)  
DMPRO 50 6lb (2.72kg)

The light intensity of this fitting varies according to the distance of the object from the fitting and on the spot profile size. However, approximate readings at 2 metres (6ft 6in) are:—  
0.5 metre (2ft) sq spot – 1100 Lux  
1 metre (3ft 3in) sq spot – 780 Lux  
1.5 metre (5ft) sq spot – 680 Lux  
It is emphasized that these readings are average readings of the surface illumination of the spot.

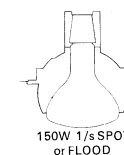
## Photometric Data



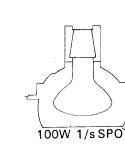
# Mains Voltage Spotlights



150W 1/8 SPOT  
and VEL 150



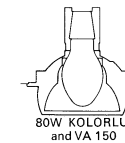
150W 1/8 SPOT  
or FLOOD



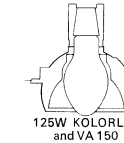
100W 1/8 SPOT



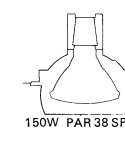
150W GLS  
and VA 150



80W KOLORLUX  
and VA 150



125W KOLORLUX  
and VA 150



150W PAR 38 SPOT



100W GLS  
and VA 100

## VE 150 adjustable eyeball spotlight

Semi recessed eyeball spotlight fitting fully adjustable in all directions providing emphasis lighting from an inconspicuous source. An adjustable lampholder support permits the use of a wide range of lamps whilst still maintaining the correct light centre. Supplied complete with Porcelain E.S. lampholder wired with glass braided flying leads. For use with lamps as shown in line drawings above. If Kolorlux lamps are used, control gear must be remotely mounted.

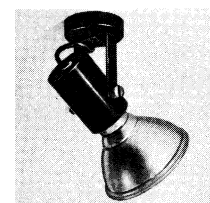
Three hole fixing is provided to the ceiling ring which is concealed by polished anodised aluminium trim when in position. Body is stove enamelled black or white. Black painted clip-on louvre Catalogue no. VEL 150



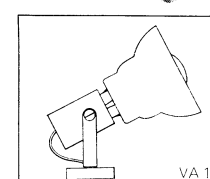
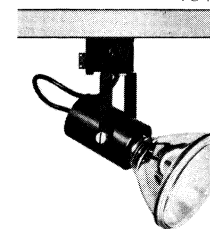
British Pat.  
1,199,890 VE 150



VE LV 50/W



VG 150



VA 150

Fitting Catalogue no.	Colour	Weight kg	lb	Cut-out in (dia.)
VE 150/B	Black	0.45	1	6.375
VE 150/W	White	0.45	1	6.375

## VG 100 adjustable spotlight holder 100W

An adjustable spotlight holder for use with 100W reflector spotlight or general service lamp with auxiliary reflector Catalogue no. VA 100. Giving a wide degree of adjustment. Finished matt black it is suitable for all or base mountings and fits unobtrusively into any display. Supplied wired complete with BC lampholder.

## VG 150 adjustable spotlight holder 150W

A matching unit to the VG 100 for use with 150W reflector spotlight or general service lamp with auxiliary reflector Catalogue no. VA 150. A cool running fitting ideal for use with COOL-RAY Par 38 lamp (indoors) supplied wired complete with ES lampholder.

Cat. no.	Cap	Lamp watts	Length mm	in	Diameter mm	in	Weight (ex. lamp) kg	oz
VG 100	BC	100	82	3.25	57	2.25	0.22	8
VG 150	ES	150	82	3.25	57	2.25	0.22	8
VGTK 100*	BC	100	82	3.25	57	2.25	0.22	8
VGTK 150*	ES	150	82	3.25	57	2.25	0.22	8

\*For mounting on Trakline

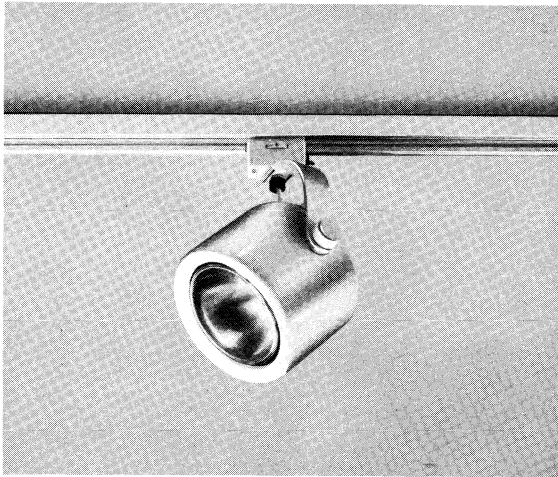
## Accessories

### Auxiliary reflectors

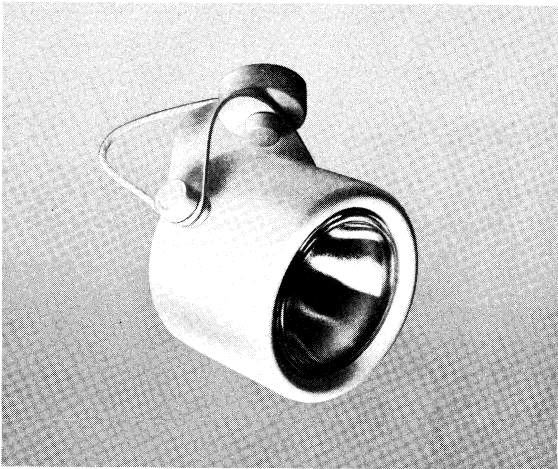
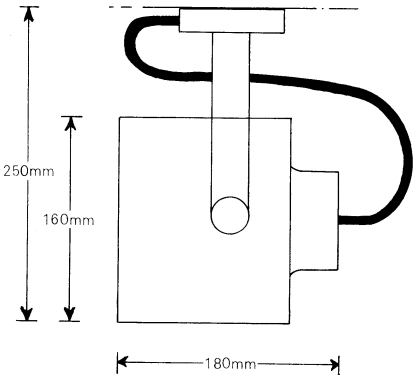
Cat. no.	Cap	Lamp watts	Length mm	in	Diameter mm	in	Weight (ex. lamp) kg	oz
VA 100	ES	100	63	2.5	108	4.25	0.028	1
VA 150	ES	150	95	3.75	127	5.0	0.056	2

# Par 38 Show-off fitting

In a similar style to the award-winning Show-off fitting, this new addition will accept the whole range of PAR 38 lamps that will 'show-off' areas and items of special interest in the home. Designed for wall, ceiling and track mounting, available in white or orange gloss stove enamel.



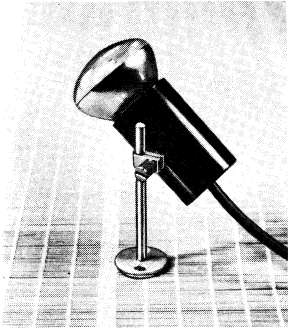
PTP 150W



PSP 150W

RANGE		
Catalogue no.	Description	
PSP 150W	White	Wall/Ceiling mounting
PSP 150Y	Yellow	Wall/Ceiling mounting
PTP 150W	White	Track mounting
PTP 150Y	Yellow	Track mounting

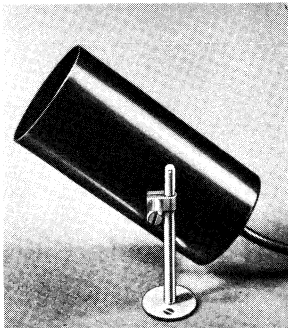
# Low voltage spotlights



**DAS 1050**  
This fitting consists of a neat lampholder housing mounted on a 102mm/4in pillar providing complete universal adjustment. The housing is locked into position by a simple clamping screw. A 12V 50W

internally silvered, parabolic shaped lamp, with ES cap, is used which gives a narrow beam of light of high intensity. The small size of the fitting enables it to be concealed easily, either within a display or behind features in a window or room.

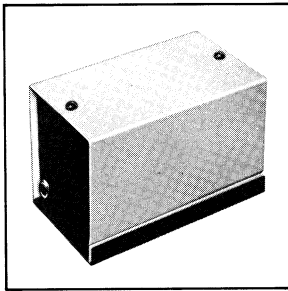
Catalogue no.	Diameter (lamp dia.)		Overall length (inc. lamp)		Pillar height		Weight (ex lamp)	
	mm	in	mm	in	mm	in	kg	lb
DAS 1050	64	2.5	114	4.5	102	4	0.17	0.375



**DCS 1050**  
In order to provide a compact and adjustable light source, the unit has a cylindrical mask, with the result that both the lamp and lampholder are completely enclosed. A 12V 50W internally silvered, parabolic shaped

lamp, with ES cap, is used giving a narrow beam of light of high intensity. As with other items in this series of display fittings, the clamp and pillar assembly provide universal adjustment.

Catalogue no.	Diameter		Overall length		Pillar height		Weight (ex lamp)	
	mm	in	mm	in	mm	in	kg	lb
DCS 1050	76	3	146	5.75	102	4	0.3	0.5



**Transformer**  
It is necessary with all low voltage fittings to use a specially designed transformer to provide the correct working voltage to the lamp. Details


of this transformer are given below together with the catalogue number of the fitting for which it has been designed.

Catalogue no.	Primary tapping	Sec. out-put	Length		Width		Height		Weight		For use with
			mm	in	mm	in	mm	in	kg	lb	
TRF 2338F	240V	12V	108	4.25	76	3	92	3.63	1.9	4.25	1 DAS 1050 1 DB 1050 1 DCS 1050 1 DS 1050L 1 VELV50W 1 VELV50B

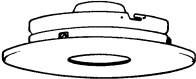
Fixing holes for TRF 2338F: four holes 5mm/0.1875in diameter on 70 x 57mm/2.75 x 2.25in centres.

Each of the low voltage fittings illustrated in this catalogue is wired complete with 1829mm/6ft of high temperature cable. Any variation in this length will result in loss of efficiency and premature lamp failure.

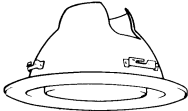
Display lighting



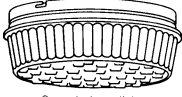
Scatterlight diffuser  
VSA 100, VSC 100, VSR 100



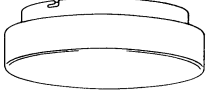
Pin-hole VP 100



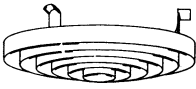
O' lighter VO 200




Crystal glass dish  
VX 100, VX 200



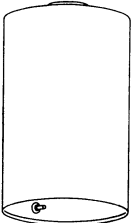
Large satin opal  
glass dish VY 100, VY 200



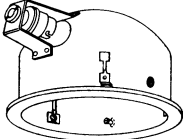
Louvre  
VL 100, VL 200, VL 2100



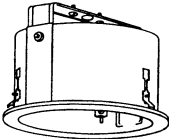
Small opal glass dish  
VZ 100, VZ 200, VZ 2100




Surface or  
semi-recessed cylinder  
VC 100A, VC 100B, 100W  
VC 100AES, VC 100BES Kolorlux



Recessed fittings  
VR 100 100W  
VR 100ES 80W Kolorlux  
VR 200 200W  
125W Kolorlux



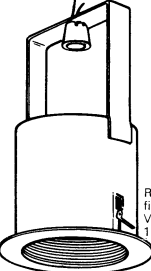
Ceiling ring assembly  
VCM 100



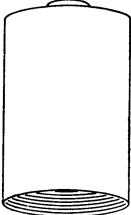
Surface mounted fittings  
VS 2060B, VS2060A 2 x 60W  
VS 2100B, VS 2100A 2 x 100W  
VS 2100BES, VS 2100AES 2 x 80W Kolorlux

In these fittings a series of seven attachments can be applied to a range of surface-mounted or recessed fittings and, in some instances, a cylindrical fitting. Many of these fittings will accept **Kolorlux** as well as tungsten filament lamps. The gear may be mounted remote from the fittings. A gear box is available.

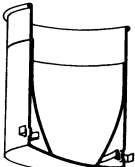
Basic surface-mounted recessed and semi-recessed fittings



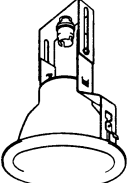
Recessed fitting  
VU 150  
150W



Surface or  
semi-recessed  
cylinder  
VCB 100 100W  
VCB 150 150W



Wall washer  
attachment  
VW 150

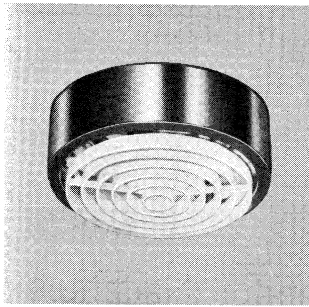


Junior  
recessed fitting  
VJ 200 100, 150 and 200W  
VJ 200ES 80/125W Kolorlux

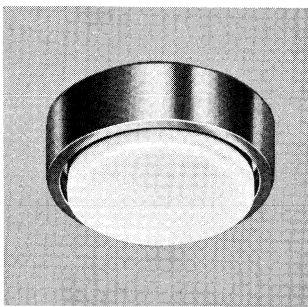
A range of recessed and semi-recessed fittings, to take internal reflector spotlight, GLS lamp with auxiliary reflector, or **Kolorlux** lamp. The recessed version (VU 150) can also be fitted with a wall washer attachment.

The Junior recessed fitting gives maximum reflector illumination from a clear lamp. Adjustable lampholder mounting permits the use of 100, 150 and 200W lamp from the one fitting.


Surface-mounted fittings



Plastic louvre



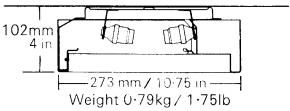
Small satin etched opal  
glass bowl



Clear crystal glass dish

**Basic Units VS 2060**  
Surface mounting spun aluminium ceiling fittings in natural anodized and black painted finishes. Cable entry and fixing holes suitable for 51 mm/2in Besa box centres are provided. All fittings are supplied complete with BC lampholders.

Catalogue no.	Watts	Finish
VS 2060A	2 x 60	Natural anodized
VS 2060B	2 x 60	Black painted



Attachments are fitted to the basic unit by three bayonet slots.

**Dimensions of complete fitting**

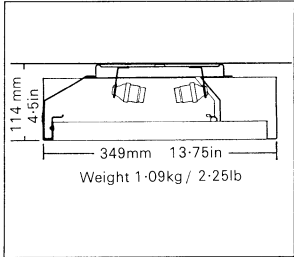
	Catalogue no.	Height mm	in	Diameter mm	in	Weight (ex lamps) kg	lb
Plastic louvre	VSL 2060A	120	4.75	273	10.75	0.91	2
	VSL 2060B	120	4.75	273	10.75	0.91	2
Clear crystal glass dish	VSX 2060A	139	5.5	273	10.75	2.49	5.5
	VSX 2060B	139	5.5	273	10.75	2.49	5.5
Small satin etched opal glass bowl	VSZ 2060A	120	4.75	273	10.75	1.47	3.25
	VSZ 2060B	120	4.75	273	10.75	1.47	3.25

**Attachments**

	Catalogue no.	Watts
Plastic louvre	VL 200	2 x 60
Clear crystal glass dish	VX 200	2 x 60
Small satin etched opal glass bowl	VZ 200	2 x 60



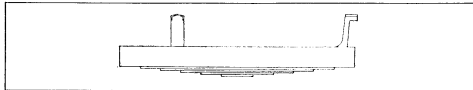
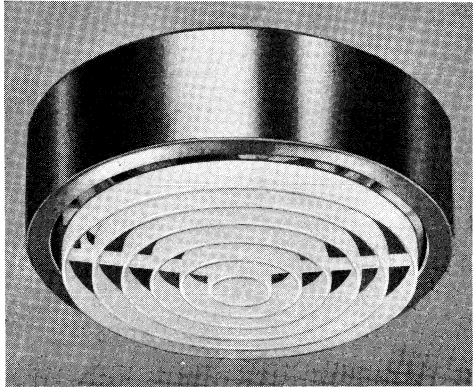
Surface-mounted fittings



**Basic Units VS 2100 and VS 2100ES**  
2 x 100W and 2 x 80W Kolorlux surface mounting spun aluminium ceiling fittings, in natural anodized and black painted finishes. Cable entry and fixing holes suitable for 51mm/2in Besa box centres. All fittings are supplied complete with lampholder.

Basic Unit		
Catalogue no.	Watts	Finish
VS 2100A	2 x 100	Natural anodized
VS 2100B	2 x 100	Black painted
VS 2100AES	2 x 80 Kolorlux	Natural anodized
VS 2100BES	2 x 80 Kolorlux	Black painted

Attachments are fitted to the basic unit via three bayonet slots.  
Kolorlux lamps can be used on a.c. circuits only, and each lamp must be controlled by a ballast circuit.



Plastic louvre  
Small satin etched opal glass bowl

Dimensions of complete fitting

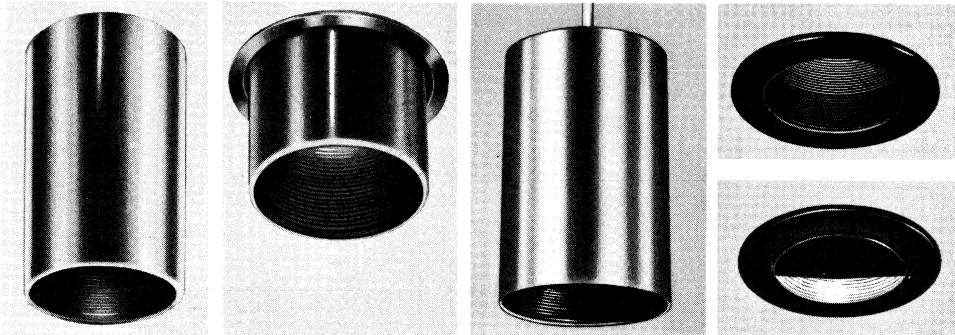
	Catalogue no.	Cap	Height mm in	Diameter mm in	Weight (ex lamps) kg lb
Plastic louvre	VSL 2100A	BC	133 5.25	349 13.75	1.13 2.5
	VSL 2100B	BC	133 5.25	349 13.75	1.13 2.5
Small satin etched opal glass bowl	VSZ 2100A	BC	139 5.5	349 13.75	1.7 3.75
	VSZ 2100B	BC	139 5.5	349 13.75	1.7 3.75
	VSZ 2100AES	ES	139 5.5	349 13.75	1.7 3.75
	VSZ 2100BES	ES	139 5.5	349 13.75	1.7 3.75

Attachments

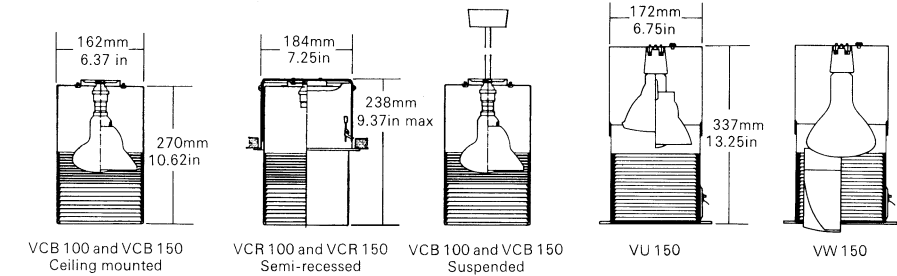
	Catalogue no.	Watts
Plastic louvre†	VL 2100	2 x 100
Small satin etched opal glass bowl	VZ 2100	2 x 100/2 x 80 Kolorlux

†Not available for use with Kolorlux lamps.

Cylinder range



VCB 100 and VCB 150  
Semi-recessed  
Suspended using AME M6113/18 suspension  
Top VU.150  
Bottom VU.150 with VW.150



**VCB 100 and VCB 150**  
A cylindrical unit with low brightness baffles brushed silver finish. For use with 100W internally silvered lamp or 100W GSL lamp with clip-on auxiliary reflector (Catalogue no. VA 100). The VCB 150 is for use with 150W internally silvered lamp, PAR38 sealed beam or 150W GSL lamp with auxiliary reflector VA 150. This fitting will also accept the 80W and 125W Kolorlux lamp with auxiliary reflector VA 150.

**Three mountings are available.**  
**Semi-recessed**  
Basic unit (Catalogue no. VCR 100 and VCR 150) enables projection from 32mm/1.25in to 140mm/5.5in below ceiling level. Adjustable support brackets are provided for quick fixing and are attached from inside the fitting, out of sight. Anodized aluminium finish with polished rim.  
**Suspended**  
By using suspension rod (Catalogue no. AME M6113/18) basic unit can be suspended 18in/457mm from ceiling on white rod and ceiling plate. Basic unit and suspension rod ordered separately.

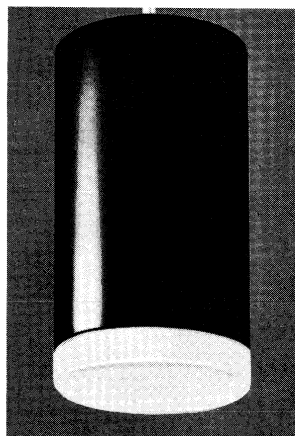
**VU 150 recessed baffle fitting**  
For use with 150W internally silvered lamp or 150W GSL lamp with clip-on auxiliary reflector (Catalogue no. VA 150) and for 80 or 125W Kolorlux lamps. Suitable also for use with the PAR38 Cool-ray lamp. Black painted finish with low brightness baffles. Adjustable brackets enabling quick fixing to all types of suspended ceiling. These are out of sight and eliminate the need for any other fixings. Fitted ES lampholder.  
**VW 150 wall washer**  
A specular reflector directs spilled light from the lamp to the upper part of the wall. The complete assembly fits into the base of the fitting by spring clips and can be rotated.

Dimensions

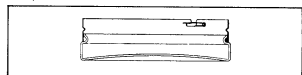
Catalogue no.	Cap	Height mm in	Diameter mm in	Weight (ex lamp) kg lb	Ceiling hole size mm in
VCB 100	BC	270 10.62	162 6.37	0.68 1.5	— —
VCB 150	ES	270 10.62	162 6.37	0.68 1.5	— —
VCR 100	BC	238 (max.) 9.37 (max.)	203 8	1.25 2.75	184 7.25
VCR 150	ES	136 (min.) 5.37 (min.)	203 8	1.25 2.75	184 7.25
VU 150	ES	337 13.25	210 8.25	1.81 4	171 6.75

Basic unit and ceiling ring assembly ordered separately.

## Cylinder range attachments



Suspended

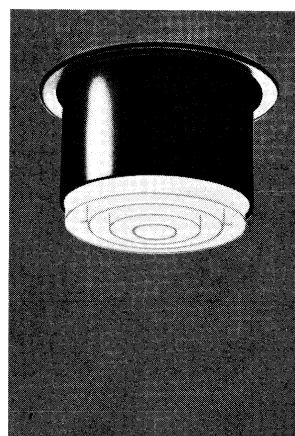


Satin etched opal bowl

### VC 100

A range of units in spun aluminium is available, natural anodized or painted black, to accommodate a 100W internally silvered lamp, 100W GLS lamp with VA 100 auxiliary reflector or 80W Kolorlux lamp using VA 150 auxiliary reflector. Three separate mountings can be achieved from the one basic unit:

(a) Suspended, by using



Semi-recessed

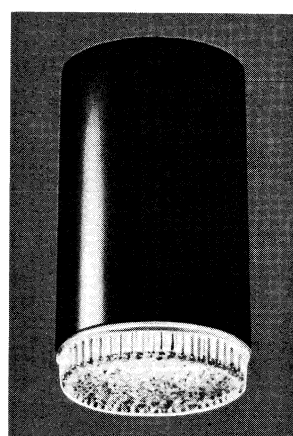


Plastic louvre

AME M6113/18 suspension rod.  
(b) Semi-recessed, when used in conjunction with ceiling ring assembly (Catalogue no. VCM 100).

(c) Surface mounted, by fixing direct to the ceiling.

Three attachments are available, a satin etched opal bowl, a plastic louvre and a clear crystal glass dish.



Surface mounted



Clear crystal glass dish

### Basic unit

Catalogue no.	Watts	Finish
VC 100A	100	Natural anodized
VC 100B	100	Black painted
VC 100AES	80 Kolorlux	Natural anodized*
VC 100BES	80 Kolorlux	Black painted*

### Suspension

By using white suspension rod and ceiling plate (Catalogue no. AME M6113/18) the basic unit can be suspended 18in/457mm from ceiling.

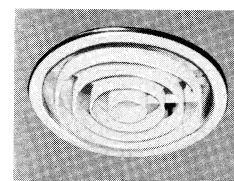
Basic unit and suspension rod ordered separately.

### Dimensions of complete fitting

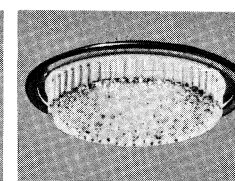
	Catalogue no.	Cap	Finish	Height mm	in	Diameter mm	in	Weight (ex lamp) kg	lb
Satin etched opal bowl	VCZ 100A	BC	Anodized	301	11.87	162	6.37	1.1	2.5
	VCZ 100B	BC	Black	301	11.87	162	6.37	1.1	2.5
	VCZ 100AES*	ES	Anodized	301	11.87	162	6.37	1.1	2.5
	VCZ 100BES*	ES	Black	301	11.87	162	6.37	1.1	2.5
Plastic louvre†	VCL 100A	BC	Anodized	289	11.37	162	6.37	0.8	1.75
	VCL 100B	BC	Black	289	11.37	162	6.37	0.8	1.75
Clear crystal glass dish	VCX 100A	BC	Anodized	311	12.25	162	6.37	2.1	4.75
	VCX 100B	BC	Black	311	12.25	162	6.37	2.1	4.75
	VCX 100AES*	ES	Anodized	311	12.25	162	6.37	2.1	4.75
	VCX 100BES*	ES	Black	311	12.25	162	6.37	2.1	4.75

†Not available for use with Kolorlux lamp. \*Available to customer's orders only.

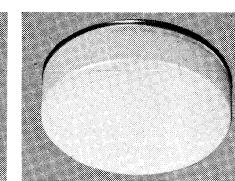
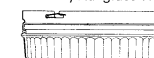
## Recessed fittings



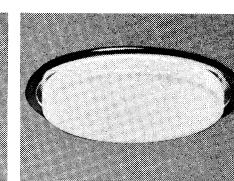
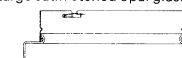
Plastic louvre



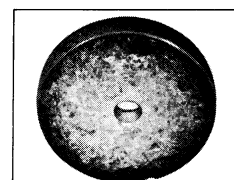
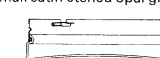
Clear crystal glass dish



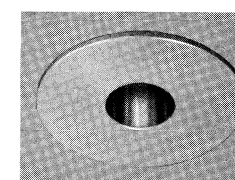
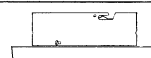
Large satin etched opal glass bowl



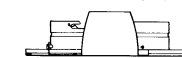
Small satin etched opal glass bowl



Scatterlight disc  
Discs of polyester resin in amber, clear and red with internal crazing and polished edges.



Pin-hole attachment  
Combination of two reflectors concentrates light from upper reflector through lower reflector past a very small aperture (only 70mm/2.75in) to produce a wide angle beam.  
Spun aluminium construction, finished eggshell white to match ceiling.



### Basic units VR 100 and VR 100ES

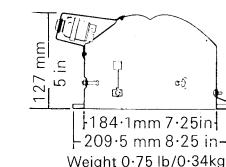
1 x 100W and 1 x 80W Kolorlux recessed units in spun anodized aluminium with a polished rim. Adjustable support brackets are provided enabling quick fixing. These are attached from within the fitting, out of sight.

### Basic unit

Catalogue no.	Watts
VR 100	100
VR 100ES	80 Kolorlux

Six attachments are available, each fitted with its own support ring, and are fitted to the basic unit via three bayonet slots.

ceiling hole size: 184.1mm 7.25in



### Dimensions of complete fitting

	Catalogue no.	Watts	Height mm	in	Diameter mm	in	Weight (ex lamp) kg	lb
Plastic louvre	VRL 100	100	146	5.75	209	8.25	0.45	1
Pin-hole attachment	VRP 100	100	127	5	209	8.25	0.79	1.75
Scatterlight disc, amber	VRSA 100	60	165	6.5	209	8.25	1.47	3.25
	VRSC 100	60	165	6.5	209	8.25	1.47	3.25
Clear crystal glass dish	VRSR 100	60	165	6.5	209	8.25	1.47	3.25
	VRX 100	100	159	6.25	209	8.25	1.7	3.75
Large satin etched opal glass bowl	VRX 100ES	80 Kolorlux*	159	6.25	209	8.25	1.7	3.75
	VRY 100	100	175	6.87	209	8.25	1.02	2.25
Small satin etched opal glass bowl	VRY 100ES	80 Kolorlux*	175	6.87	209	8.25	1.02	2.25
	VRZ 100	100	149	5.87	209	8.25	0.68	1.5
	VRZ 100ES	80 Kolorlux*	149	5.87	209	8.25	0.68	1.5

### Attachments

	Catalogue no.
Plastic louvre	VL 100
Pin-hole attachment	VP 100
Scatterlight disc, amber	VSA 100
	VSC 100
Clear crystal glass dish	VSR 100
	VX 100
Large satin etched opal glass bowl	VY 100
Small satin etched opal glass bowl	VZ 100

\*Available to customer's orders only.

## Recessed fittings

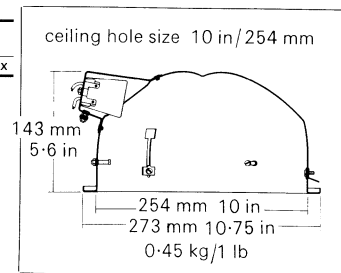
### Basic Unit VR 200

1 x 200W and 1 x 125W Kolorlux recessed units of spun anodized aluminium construction with a polished rim. Adjustable support brackets are provided enabling quick fixing to all types of suspended ceiling to be achieved. These are attached from within the fitting, are out of sight and eliminate the need for any other fixings.

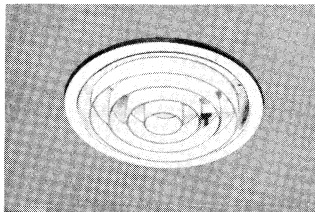
### Basic Unit

Catalogue no.	Cap	Watts	
VR 200	ES	200/125	Kolorlux

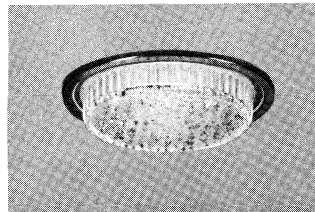
Five attachments are available, each fitted with its own support ring, and are fitted to the basic unit via three bayonet slots.



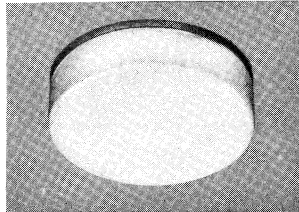
Plastic louvre



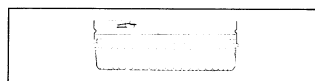
Clear crystal glass dish



Large satin etched opal glass bowl



Small satin etched opal glass bowl

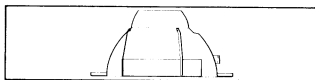
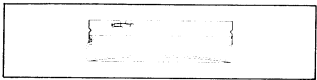
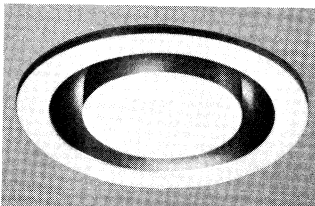
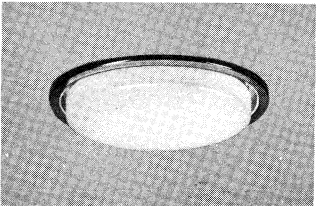


'O' lighter attachment



### 'O' lighter attachment

An annular slot with a centre disc results in a glare free light of narrow distribution. Spun aluminium construction, finished eggshell white to match ceiling. An auxiliary attachment for use with VR 200.



### Dimensions of complete fitting

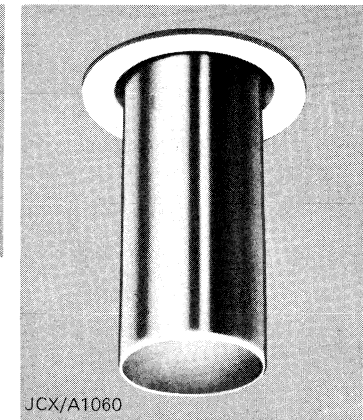
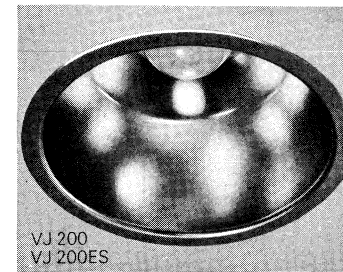
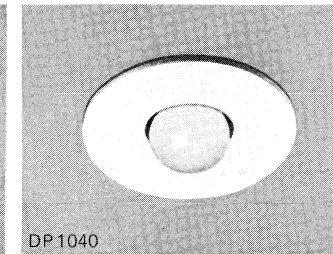
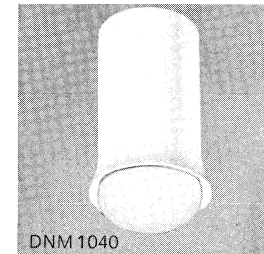
	Catalogue no.	Watts	Height mm	in	Diameter mm	in	Weight (ex lamp) kg	lb
Plastic louvre†	VRL 200	200	162	6-37	273	10-75	0-57	1-25
'O' lighter attachment†	VRO 200	200	143	5-6	273	10-75	1-02	2-25
Clear crystal glass dish	VRX 200	200/125 Kolorlux	178	7	273	10-75	2-15	4-75
Large satin etched opal glass bowl	VRV 200	200/125 Kolorlux	190	7-5	273	10-75	1-43	3-15
Small satin etched opal glass bowl	VRZ 200	200/125 Kolorlux	162	6-4	273	10-75	1-13	2-5

### Attachments

	Catalogue no.
Plastic louvre†	VL 200
'O' lighter attachment†	VO 200
Clear crystal glass dish	VX 200
Large satin etched opal glass bowl	VY 200
Small satin etched opal glass bowl	VZ 200

†Not available for use with Kolorlux lamp.

## Recessed fittings



### DNM 1040

This very attractive and compact unit is designed for mounting on the ceiling surface. It provides sparkle wherever needed and is also useful as a police light. Finished in white enamel, the fitting is fixed by a brass BC batten lampholder to a block which should be recessed into the ceiling. For Besa box fitting use adaptor plate (Catalogue no. DNM 4600).

### DP 1040

These compact units can be recessed into the ceiling surface, to provide an inconspicuous source extremely useful for police lights and can also be used to provide sparkle wherever needed.

The range uses a 40W round bulb and can be provided with fixings for a Besa box recessed behind the ceiling or fixed to the ceiling surface by means of an additional bracket AC.

### JCX/A1060 small recessed unit

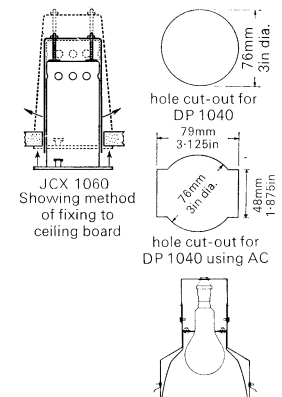
Attachments comprise a metal cylinder (copper anodized finish) and a glass supporting cylinder enabling all Chelsea range wrought glassware and Scatterlight diffusers to be fitted. Both the above attachments convert this unit to a semi-recessed one. Supplied complete with bracket for clamping direct to ceiling board. Adjustment is provided for variations in ceiling thickness.

### VJ 200 Junior recessed vertical lamp fitting for 100/200W lamp

Spun anodized aluminium unit for GLS lamp giving maximum reflector illumination from clear lamp. Adjustable lampholder mounting permits the use of 100, 150 and 200W BC lamps from the same fitting. Adjustable support brackets are provided for quick fixing.

### VJ 200ES Junior recessed vertical lamp fitting for 80/125W Kolorlux.\*

A matching unit to the VJ 200 fitted with ES lampholder for use with Kolorlux lamp.



### Dimensions of complete fitting

Catalogue no.	Lamp watts	Cap	Mounting	Diameter mm	in	Height mm	in	Hole size mm	in	Weight (ex. lamp) kg	lb
DNM 1040	40 mushroom	BC	—	63	2-5	102	4	—	—	0-22	0-5
DP 1040	40 round bulb	BC	Above ceiling	117	4-62	76	3†	—	—	0-22	0-5
JCX 1060	60	BC	—	108	4-25	165	6-5	82	3-25	0-22	0-5
JCX/A1060	60	BC	—	108	4-25	292	11-5	82	3-25	0-28	0-625
VJ 200	100-200	BC	—	203	8	304	12	187	7-37	0-45	1
VJ 200ES*	80/125W Kolorlux	ES	—	203	8	304	12	187	7-37	0-45	1

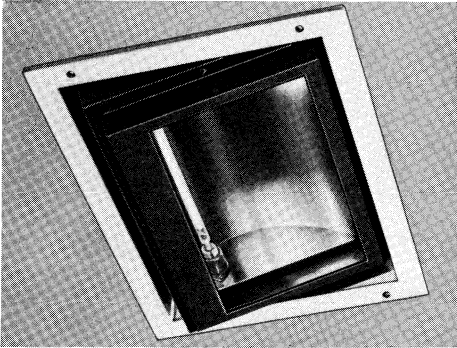
†70mm/2-75in projection behind surface. \*Available to customer's orders only.

Tungsten halogen interior floodlight

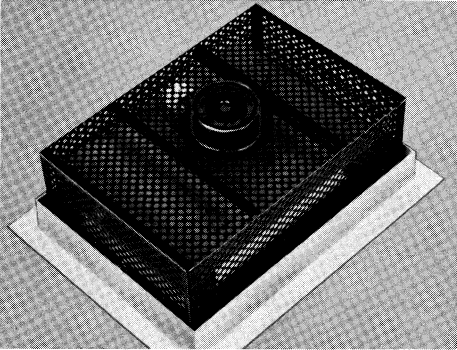
The beam spread is 60° x 130° the former being normal to the axis of the lamp. When mounted horizontally the rear cut-off is near vertical. Maximum spacing of fittings should not exceed the height of mounting, and depths of 6ft can comfortably be catered for by one row of fittings. The distribution characteristics lend themselves ideally to shop window lighting. The sharp forward cut-off of the fitting may make supplementary fluorescent lighting necessary at the window back.

When installed to illuminate a 6ft cube an average illumination of 60 lumens per sq ft will be achieved. At the same distance fittings on about 8ft centres provide an average illumination of 90 lumens per sq ft.

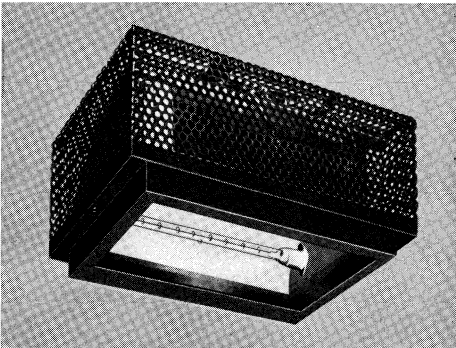
Description	Beam spread	Rated lamp life
750w	60° x 130°	2,000 hours



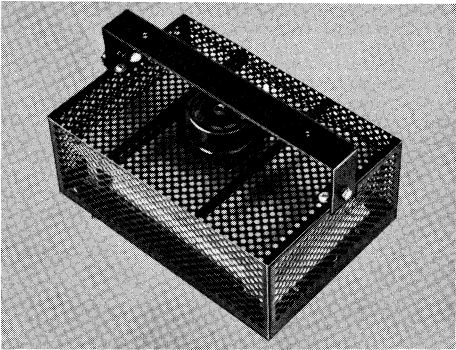
EU.750 fitted with EUT trim assembly, front view



EU.750 fitted with EUT trim assembly, rear view



EU.750 floodlight fitting



EU.750 fitted with EUB swivel bracket assembly

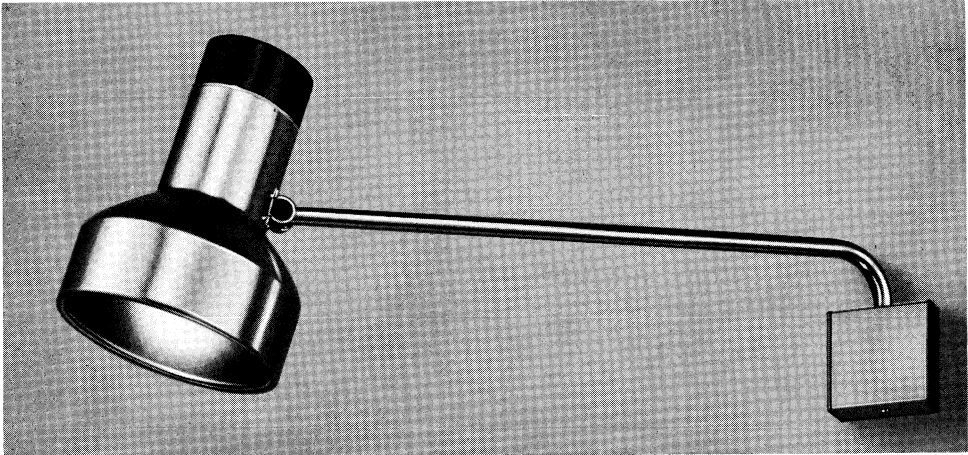
When the fitting is surface mounted a stirrup, enabling up to a 15° adjustment, is available – Cat. no. EUB. The EU.750 can also be recessed by means of a frame trim assembly – Cat. no. EUT – with provisions for a 15° adjustment. When recessing the fitting care should be taken to ensure that a void of 7.5in high, 24in long and 18in wide is left round the fitting.

Prices and dimensions

Cat. no.	Lamp watts	Length in	mm	Height in	mm	Width in	mm	Weight (ex. lamp) lb	kg
EU.750	750	12.25	311	7.125	181	8.5	216	8	3.6
EUT trim assembly†		14.75	375	2.00	51	11.25	286		
EUB swivel bracket		12.5	318	2.5	above fitting	62mm			
TDH/750/240 lamp 750									

†Hole size: length 13.25in, width 9.5in.

Hospital low brightness fittings



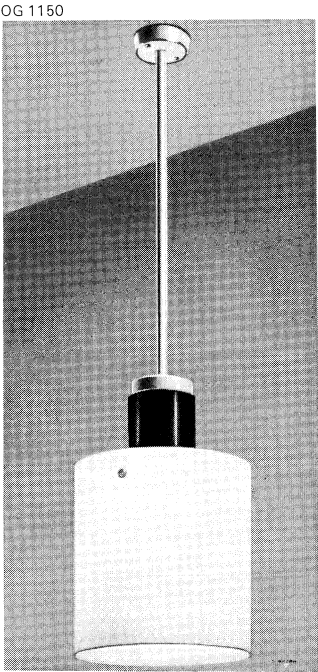
OE.O.1060 adjustable wall fitting

**OE 0 1060 adjustable wall fitting**  
Wall fitting for local lighting where function and appearance are important. The efficient design – about 300 lux 1.2m/4ft away using a 60W lamp – permits bed head lighting wall mounted between 1.5m/5ft and 1.8m/6ft from floor. Carefully controlled reflector brightness provides comfortable conditions for opposite and adjacent patients. The reflector is of spun aluminium satin etched and anodized, supported by an anodized duraluminium rod mounted on a cast aluminium back plate stove enamelled BS.9.098. Horizontal adjustment is obtained through an angle of approximately 160° and vertical through an angle of 20° either side. Wired complete with BC lampholder to accommodate one 60W lamp. Arranged for Besa mounting.

**OE 1 0075 adjustable wall fitting**  
Matches OE 0 1060 but fitted with watch light with push switch control. Made to order only.

**OG 1150 low brightness glass fitting**  
Centre ward lighting fitting for mounting on 457mm/18in suspension rod (Catalogue no. AME M6113/18) or ceiling mounted using ceiling cap extension (Catalogue no. OHS). With cut-off angle of 40° from the horizontal, mounting heights are arranged so that cut-off occurs between a third and half-way up length of bed. Mounting height ratios down centre of ward should not exceed 1½ : 1. The diameter of the cylinder has been chosen to provide acceptable brightness characteristics for a diffusing fitting, and the acid etching of the glass overcomes the problem of lamp reflection on the inside of the glass cylinder, creating an area of high brightness. Arranged to accommodate 1 x 150W lamp.

**OG 1165 low brightness glass fitting**  
A matching unit to the OG 1150 but fitted with watch light for 15W Pygmy lamp.



Dimensions of complete fitting

Catalogue no.	Diameter		Height		Weight (ex lamp)		Projection to centre of reflector	
	mm	in	mm	in	kg	lb	mm	in
OE 0 1060	161*	6.3*	216†	8.5†	0.8	1.75	470	19.5
OE 1 0075								
OG 1150	241	9.5	352	13.87	1.4	3.25	—	—
OG 1165								

\*Reflector diameter. †Reflector height.



Opalite range

This compact range of fittings has been designed to comply with Department of Education standards for brightness limits and cut-off angles.

Care has been taken to create an efficiently balanced distribution of light between the upper and lower hemispheres to ensure that the overall efficiency of an installation will be high.

The polystyrene shade has been so designed that any specular reflections which could possibly cause irritation have been eliminated.

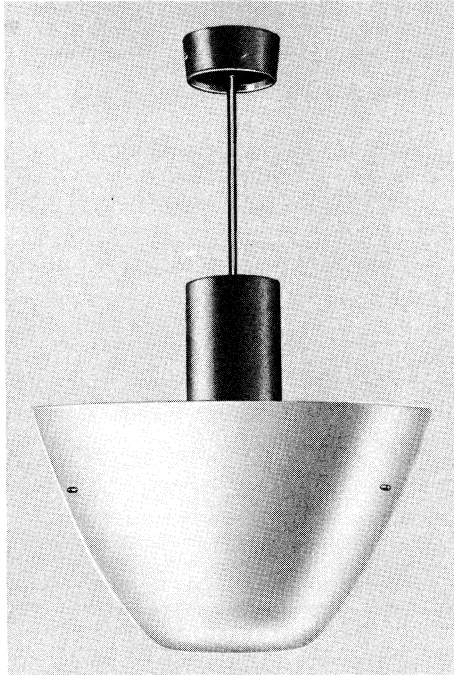
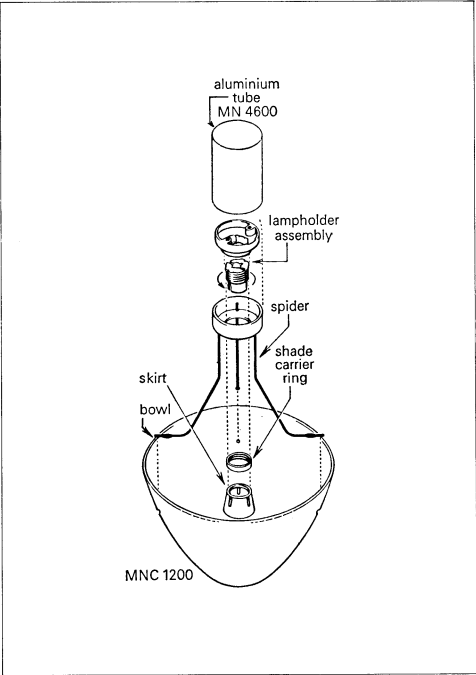
Either a 150W or 200W lamp can be accommodated in this shade which is mounted on to a metal gallery by a three-way spider.

Fittings are supplied complete with BC lampholder and are available for close ceiling mounting as well as cable suspension.

Cable suspension is by means of a black plastic ceiling plate and a 762mm/30in length of smooth black flex. A black aluminium cylinder (Catalogue no. MN 4600) is also available; this fits over the lamp gallery and provides a cover to the lamp cap and holder.



MNC 1200



MNS 1200

Dimensions of complete fitting

Catalogue no.	Type	Bowl diameter		Bowl depth		Height overall		Weight (ex lamp)	
		mm	in	mm	in	mm	in	kg	lb
MNC 1200	Close ceiling	305	12	178	7	280	11	0.45	1
MNS 1200	Cable suspension	305	12	178	7	762	30	0.57	1.25
MN 4600	Cylinder	73	2.87			95	3.75	0.06	0.125

Nova range

This versatile range of satin-etched Nova glassware has been specially designed to meet the demand for new and interesting shapes to cater for a wide variety of applications in modern interiors.

Flanged cap gallery

For suspending the glass just off the ceiling or on a 13mm/0.5in suspension rod (standard length 457mm/18in) the flanged cap gallery is available in 100W BC, 100W ES or 200W ES versions. The 100W BC version will accept two glasses, the ND 100 and the NF 100. The 100W ES versions, ND 100ES\* and NF 100ES\* will accept the 80W Kolorlux lamp.

The 200W ES versions will accept two 200W size glasses, the ND 200ES and the NF 200ES, both suitable for GLS or 125W Kolorlux lamps.

Lever release gallery

For mounting directly on to walls or ceiling a lever release gallery will accept three Satin etched glasses in 100W Size NC100, NL100 and a Square glass NS100 and three glasses in the 200W size NC200, NL200 and NS200 respectively. Also included is a polished opal glass in the 100W and 200W lamp sizes MR1100 and MR2100.

Screw neck spheres

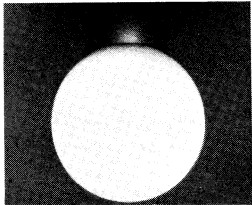
Also available are screw neck white opal glass spheres with heat resistant white plastic galleries in 60W (MTC 1060), 100W (MTC 1100) and 150W (MTC 1150) sizes. The 100W version fitted with an ES lampholder (MTC 1100 ES\*) will accept the 80W Kolorlux lamp and the 150W version with an ES lampholder (MTC 1150 ES\*) will accept the 125W Kolorlux lamp. Suitable for ceiling or wall mounting.

Decorative trims

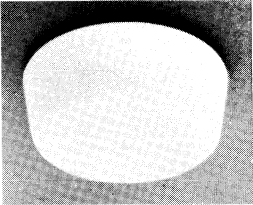
A decorative black painted metal trim (Catalogue no. NT 100 and NT 200) may be added to the NF and NL series of fittings. There is also available a metal trim for the NC and ND series, this being finished in a lacquered gun-metal colour (Catalogue no. NA 100 and NA 200).

A further white opal glass is available in two sizes, 100W and 200W, using again the lever release gallery (Catalogue no. MR 1100 and MR 2100). Suitable for ceiling or wall mounting. Kolorlux lamps require to be operated through control gear: see Section 10

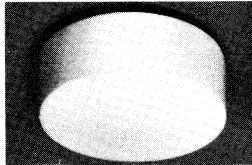
\*Made to customer's special order.



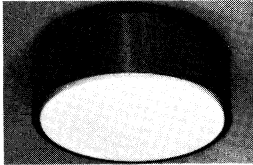
MTC1100 Screw-necked globe on white plastic gallery



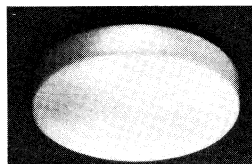
MR2100 Unit with concealed metal work



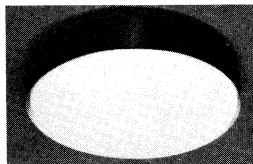
NC200



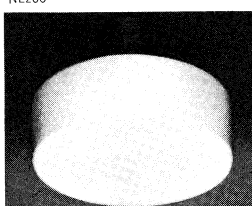
NCA200



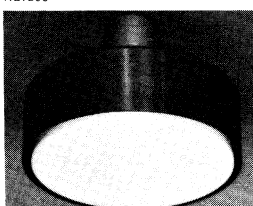
NL200



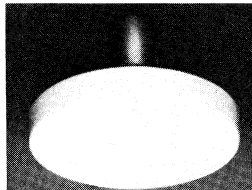
NLT200



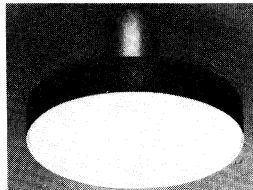
ND200



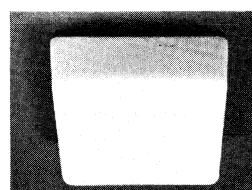
NDA200



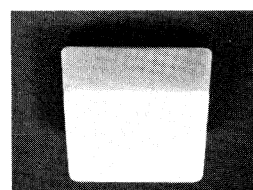
NF200



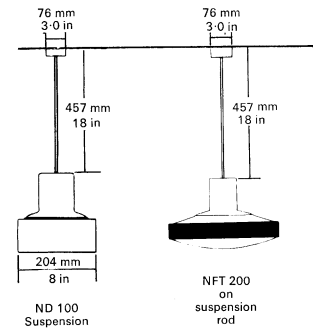
NFT200



NS 200

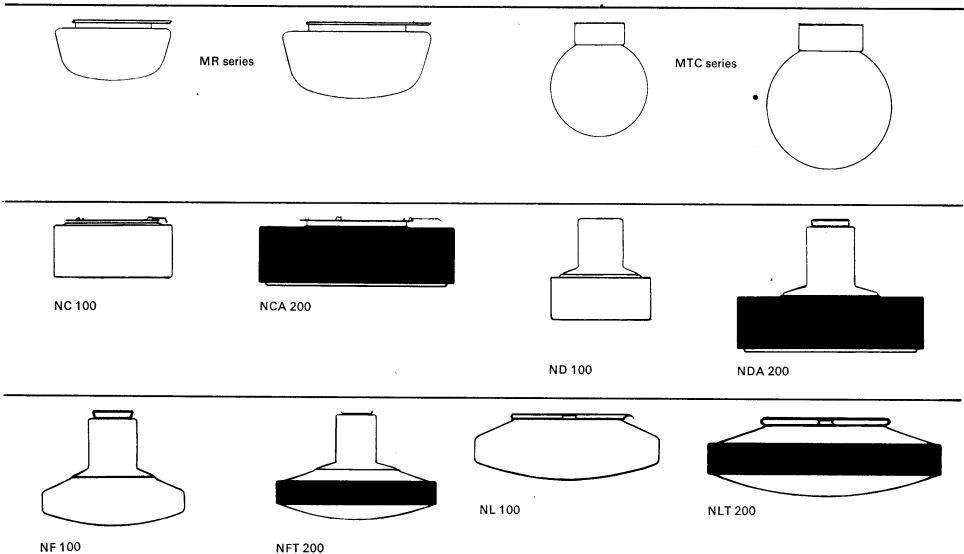


NS 100





Nova range



Dimensions of complete fitting

Catalogue no.	Watts	Cap	Overall diameter		Overall depth		Weight (ex lamp)		COMPONENTS	
			mm	in	mm	in	kg	lb	Glassware Catalogue no.	Gallery Catalogue no.
NC 100	100	BC	203	8	102	4	0.79	1.75	NCG 100	NCB 100
NC 200	2 x 100	BC	356	14	127	5	1.02	2.25	NCG 200	NCB 200
ND 100	100	BC	203	8	210	8.25	0.91	2	NCG 100	NFB 100
ND 100ES	80 Kolorlux	ES	203	8	210	8.25	0.91	2	NCG 100	NFB 100ES
ND 200ES	200/125 Kolorlux	ES	356	14	257	10.12	1.59	3.5	NCG 200	NFB 200ES
NF 100	100	BC	279	11	216	8.5	1.02	2.25	NFG 100	NFB 100
NF 100ES	80 Kolorlux	ES	279	11	216	8.5	1.02	2.25	NFG 100	NFB 100ES
NF 200ES	200/125 Kolorlux	ES	390	15.39	254	10	1.81	4	NFG 200	NFB 200ES
NL 100	100	BC	279	11	98	3.87	1.13	2.5	NFG 100	NCB 100
NL 200	2 x 100	BC	387	15.25	124	4.87	1.81	4	NFG 200	NLB 200
MR 1100	100	BC	244	9.62	120	4.75	1.02	2.25	MRG 1100	NCB 100
MR 2100	2 x 100	BC	343	13.5	140	5.5	1.81	4	MRG 2100	NCB 200
MTC 1060	60	BC	152	6	190	7.5	0.68	1.5	MTCG 1060	MTCB 1060
MTC 1100	100	BC	203	8	241	9.5	0.79	1.75	MTCG 1100	MTCB 1100
MTC 1100ES	80 Kolorlux	ES	203	8	241	9.5	0.79	1.75	MTCG 1100	MTCB 1100ES
MTC 1150	150	BC	254	10	292	11.5	0.91	2	MTCG 1150	MTCB 1100
MTC 1150ES	125 Kolorlux	ES	254	10	292	11.5	0.91	2	MTCG 1150	MTCB 1100ES
NS 100	100	BC	218 sq.	8.5 sq.	94	3.75	1.00	2.2	NSG 100	NCB 100
NS 200	2 x 100	BC	274 sq.	10.85 sq	100	3.9	1.47	3.25	NSG 200	NCB 200

Suspension : ordered separately :  
AME M6113/18 Rod suspension  
18in/457mm. For other suspension  
lengths alter suffix accordingly, i.e.  
18 = 18in.

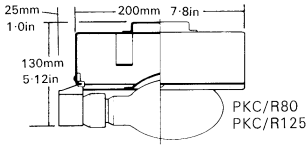
Trims : to be ordered separately.

Catalogue no.	For use on	Overall diameter		Overall depth		Weight (ex lamp)	
		mm	in	mm	in	kg	lb
NA 100	NC 100, ND 100, ND 100ES	225	8.87	85	3.37	0.11	0.25
NA 200	NC 200, ND 200ES	381	15.0	105	4.12	0.45	1
NT 100	NF 100, NF 100ES, NL 100	282	11.12	48	1.87	0.11	0.25
NT 200	NF 200ES, NL 200	390	15.37	54	2.12	0.17	0.375

Kolorlux package deal

The basic rack consists of a sheet metal box, finished black, containing control gear for a 80W or 125W Kolorlux lamp. When ES holder is mounted vertically as shown an anodised aluminium reflector is fixed to the box by keyhole slots. No reflector is used if the lamp is mounted vertically.

Fixing is by slots on 51 mm/2in centres grouped round a centrally placed 19mm/0.75in dia hole.

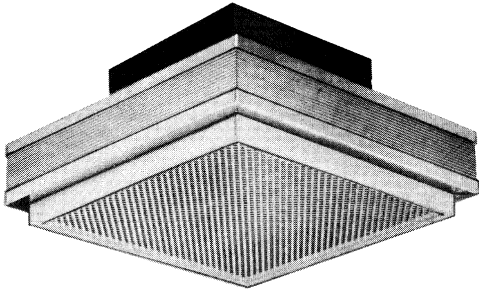
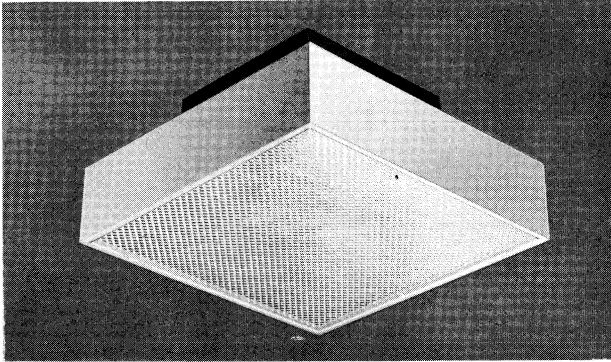
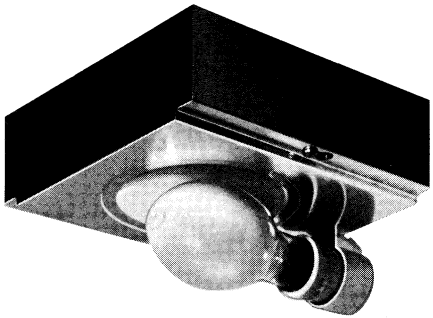
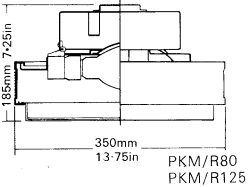
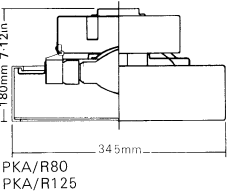


Dimensions of complete fitting

Rating	Catalogue no.	Cover	Spine pack (ex lamp)		Width/Length		Height		Weight	
			Catalogue no.		mm	in	mm	in	kg	lb
80W	PKC/R80	PKC 18	PKR 80		200	7.87	130	5.12	3.17	7
125W	PKC/R125	PKC 18	PKR 125		200	7.87	130	5.12	3.17	7

Fixing : Besa box grouping 19mm/0.75in conduit hole centres.

Diffusers with opal plastic or extruded metal sides and prismatic bases can be hooked on to a special reflector with the lamp in the horizontal position.

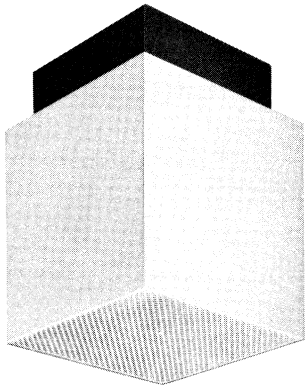
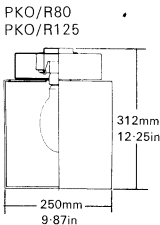
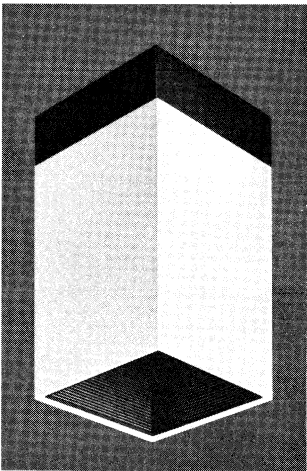
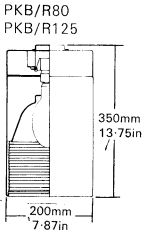


For ordering details see following page

# Kolorlux package deal

## Kolorlux packs for display purposes

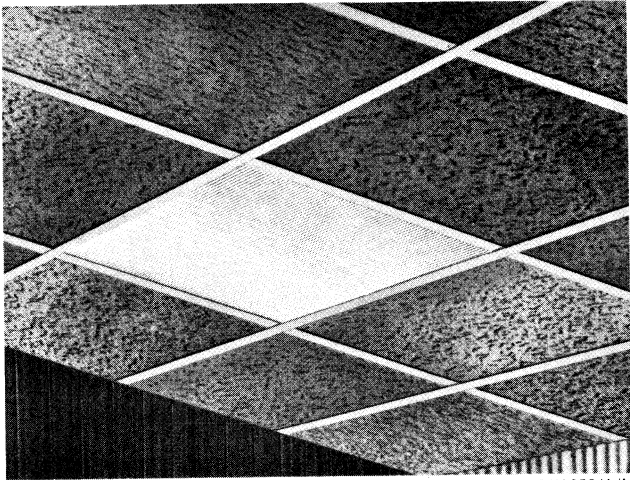
A white rectangular unit with black painted internal baffles and a polished anodized aluminium reflector and a similar unit with opal acrylic sides and prismatic base. Can be attached to the basic spine when the lamp is mounted vertically.



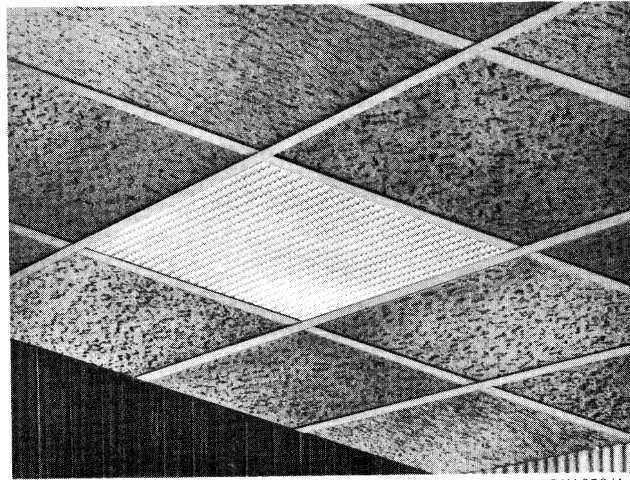
COMPLETE FITTING		COMPONENTS										
Rating	Catalogue no.	Diffuser	Catalogue no.	Spine pack Catalogue no.	Width/Length		Height		Weight			
					mm	in	mm	in	kg	lb		
80W	PKO/R80	Opal acrylic sided prismatic base	PKO 18	PKR 80	250	9.87	325	12.25	4.08	9		
125W	PKO/R125	Opal acrylic sided prismatic base	PKO 18	PKR 125	250	9.87	325	12.25	4.08	9		
80W	PKB/R80	Baffle unit with reflector	PKB 18	PKR 80	200	7.87	350	13.75	4.98	11		
125W	PKB/R125	Baffle unit with reflector	PKB 18	PKR 125	200	7.87	350	13.75	4.98	11		
80W	PKA/R80	Opal acrylic sided prismatic base	PKA 18	PKR80	345	13.62	180	7.12	3.62	8		
125W	PKA/R125	Opal acrylic sided prismatic base	PKA 18	PKR125	345	13.62	180	7.12	3.62	8		
80W	PKM/R80	Metal sided prismatic base	PKM 18	PKR80	350	13.75	185	7.25	4.53	10		
125W	PKM/R125	Metal sided prismatic base	PKM 18	PKR125	350	13.75	185	7.25	4.53	10		

Fixing: Besa box grouping 19mm/0.75 in conduit hole centred.

LAMPS Either 80W or 125W Kolorlux lamp packed with relevant spine and charged separately.



DKA250/A/M



DKA250/A/L

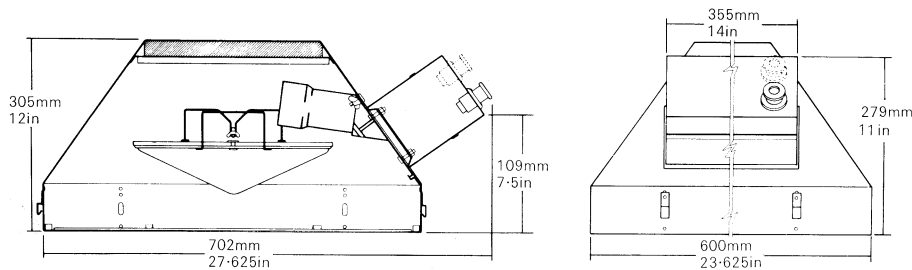
The Kolorlume range of fittings comprises a nominal 2ft x 2ft sheet steel housing designed to replace a standard ceiling tile in an exposed Tee grid ceiling system. The housing is stove enamelled with high reflectivity white gloss paint. After installing the lightweight housing by simply laying it into the ceiling grid, the gear box/lampholder bracket is attached from beneath the fitting by inserting the gear compartment through a slot in the side of the housing. Gear box/lampholder bracket assemblies are interchangeable for 125, 250 and 400W MBF Kolorlux lamps. Light control is by a Merculume\* optical system comprising a heat resistant prismatic glass refractor and injection moulded prismatic acrylic control lens. These, combined with the housing reflector, ensure excellent brightness control, coupled with uniform lens luminosity and perfect lamp obscuration with freedom from glare.

The elegant style of the Kolorlume module avoids a cluttered ceiling appearance and can eliminate up to 75% of the luminous ceiling area previously required, while providing full visual comfort. Manufactured in accordance with U.K. Patent Application no. 12268/70 of Holophane Co. Inc. Since it occupies only 4ft<sup>3</sup> of void space it allows more room for other

\*Merculume is the trade mark of Holophane Co. Inc.

services, e.g. air conditioning, fire protection, etc. Also because of the high fitting LOR, up to 63% fewer fittings are required which means reduced installation costs and lower maintenance bills. Flicker is occasionally noticeable on lower wattage HID lamps. This is eliminated by the rectified circuit used on 125W and 250W circuits as standard.

Kolorlume fittings can also be supplied with alternative optics comprising: Texture cel 3/4 in square mesh louvre finished matt white to provide an alternative light distribution with freedom from glare.



The standard fittings illustrated may be modified to special order to incorporate either (a) Maintained lighting circuit and/or (b) Emergency lighting circuit (requires separate supply). Variations can also be supplied for (c) Surface mounting or (d) Regressing ceiling trim arrangements. In addition, fittings for (e) 400W MBIF Kolorarc (metal halide) and (f) 250W or 400W KolorSon (high pressure sodium) lamps can be made available. These modifications are subject to price and delivery variations which will be quoted on request.

<sup>†</sup> Nomenclature  
DKAM attachment comprises :  
DKAMP—Prismatic lens  
DKAMR—Glass refractor  
DKAMW—Refractor cradle  
DKAL—Louvre attachment

Range						
Kolorlux lamp	Lighting design lumens	Catalogue no.	Housing Catalogue no.	Gear Catalogue no.	Attachment <sup>†</sup> Catalogue no.	Approx. weight incl. lamp kg lb
125W MBF	5500	DKA125/A/M	DKAA	DKA125	DKAM	12.76 28.16
250W MBF	12000	DKA250/A/M	DKAA	DKA250	DKAM	12.5 27.56
400W MBF	21500	DKA400/A/M	DKAA	DKA400	DKAM	13.89 30.66
125W MBF	5500	DKA125/A/L	DKAA	DKA125	DKAL	12.09 26.66
250W MBF	12000	DKA250/A/L	DKAA	DKA250	DKAL	11.82 26.06
400W MBF	21500	DKA400/A/L	DKAA	DKA400	DKAL	13.23 29.16

Kolorformat has been introduced for use with the 250W Kolorarc lamp and is particularly suitable for lighting office, store and shop interiors. The overall performance of the package (i.e. Kolorarc lamp + Kolorformat fitting) enables the criteria of colour quality and light control with a suitable level and uniformity of illumination to be achieved, even with the relatively low ceiling heights of many modern buildings. To key in with the ceiling module the fitting can be used in either a 600 × 600mm or 2ft × 2ft opening.

Kolorformat has been designed with one standard housing which is supplied complete with control gear for operating a 250W MBIF Kolorarc lamp. This fitting can also be adapted to house control gear for the 250W MBF Kolorlux lamp or 125W Kolorlux lamp.

Attachments can be selected to suit either metric or imperial ceiling modules of 600 × 600mm or 2ft × 2ft respectively, but the standard housing (DKBI 250) is suitable for both. Diffuser panels or louvres are contained in a frame which is then attached by means of wishbone springs to the fitting.

The following attachments are available in an aluminium surround frame to both metric and imperial modular dimensions:

- prismatic (acrylic) controller
- Texture-cel aluminium louvre with a ½" cell and having a white finish
- Specular louvre (approx. ¾" cell).

Additionally, this range of attachments is interchangeable with the Recessed Troffer Range for use with 600 × 600mm, 3 tube, 4 tube or U-tube fittings. The following types of attachment from this range are also suitable for use with Kolorformat: 600 × 600mm (2ft × 2ft) attachments complete with frame with either a prismatic (K19, acrylic) controller or polirized (acrylic) panels.

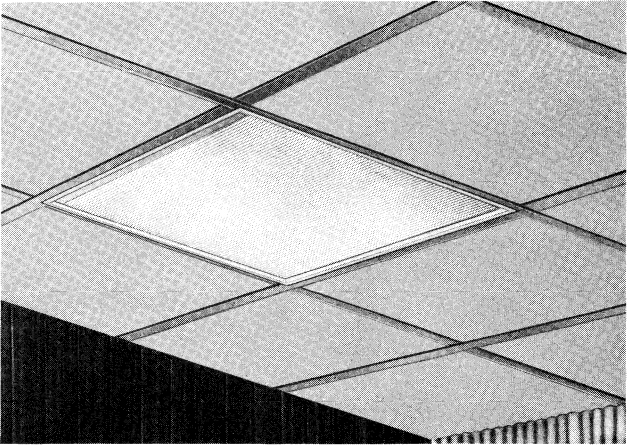
**Suspension**

A choice of three types of suspension is available:

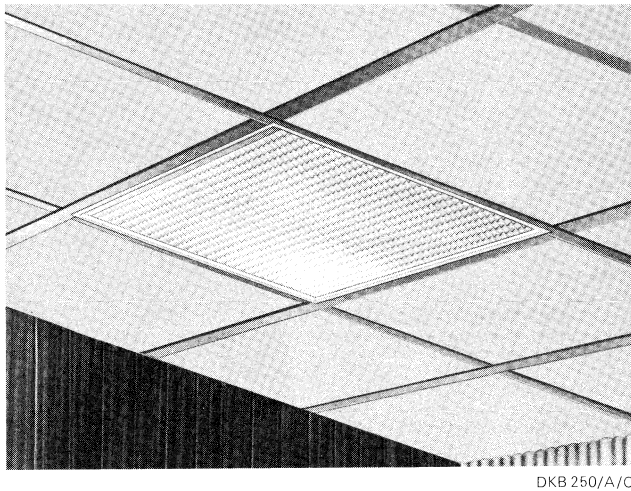
1. Using 20mm conduit.
2. Using rod hangers (KL 4601)
3. Using side suspension arms (FTR 1001).

**Air-handling fittings**

The fitting bodies and attachment frames (for the full range of diffusers) suitable for air-extraction can also be supplied. Full details are available on request.

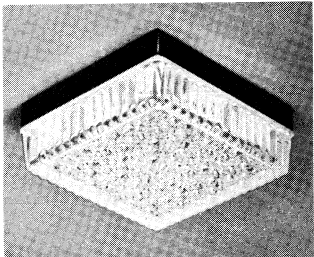


DKB 250/A/M

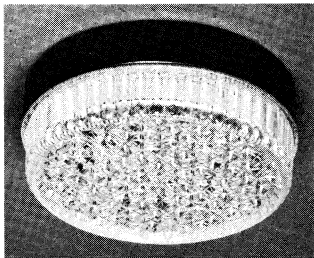


RANGE

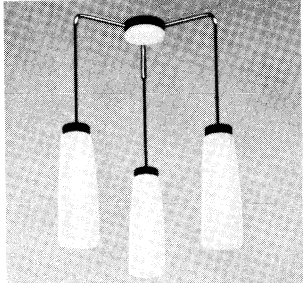
Catalogue no.	Description
<b>Housing c/w control gear</b>	
DKBI 250	Housing with control gear for 250W MBIF Kolorarc lamp
DKB 250	Housing with control gear for 250W MBF lamp
DKB 125	Housing with control gear for 125W MBF lamp
<b>Attachments with aluminium (new SM type) frame</b>	
DKBFP 66	Aluminium frame, K19 acrylic panel—600 × 600mm
DKBFP 22	Aluminium frame, K19 acrylic panel—2ft × 2ft
DKBFL 66	Aluminium frame, Texture-cel louvre (white 3/4" cell)—600 × 600mm
DKBFL 22	Aluminium frame, Texture-cel louvre (white 3/4" cell)—2ft × 2ft
DKBFS 66	Aluminium frame, specular plastic louvre—600 × 600mm
DKBFS 22	Aluminium frame, specular plastic louvre—2ft × 2ft
<b>Compatible attachments for Recessed Troffer Range</b>	
FTRP 62	K19, acrylic, prismatic panel c/w frame—600 × 600mm
FTRP 22	K19, acrylic, prismatic panel c/w frame—2ft × 2ft
FTRZ 62	Polirized panel (acrylic) c/w frame—600 × 600mm
FTRZ 22	Polirized panel (acrylic) c/w frame—2ft × 2ft



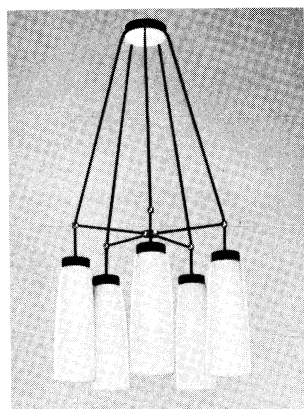
XJ 2040



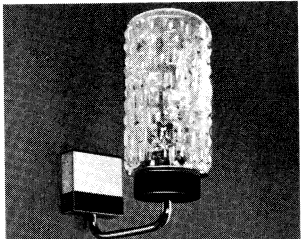
XK 2040



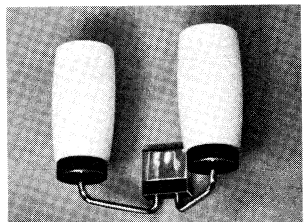
XC3 with three XUO glasses



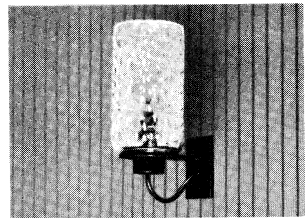
XS5 with five XUO glasses



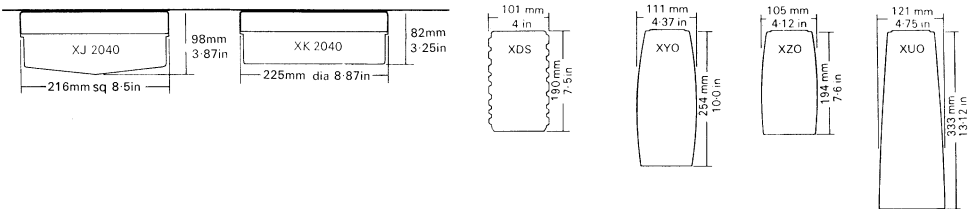
XL1 bracket with XDS glass



XL2 bracket with XZO glass



XW1 bracket with XDS glass



Glasses and Suspensions to be ordered separately

GLASSES SINGLE	Description	Catalogue no.	Watts	Weight	
				kg	lb
	Short crystal	XDS	100	0.57	1.25
	Short barrel	XZO	100	0.23	0.5
	Long barrel	XYO	150	0.34	0.75
	Long U shaped	XUO	150	0.45	1
<b>CEILING FITTING (COMPLETE FITTING)</b>					
	Square	XJ 2040	2 x 40	7	3.15
	Round	XK 2040	2 x 40	5	2.25

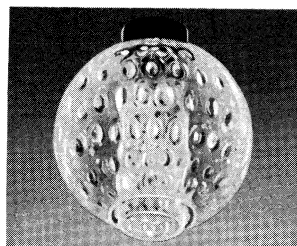
## Modern adjustable suspensions



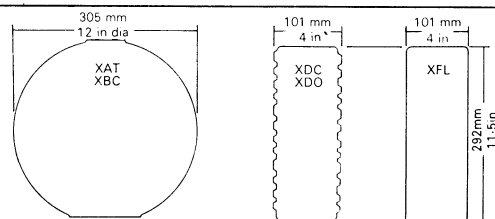
The Modern range, an exciting series of tungsten lighting fittings, offers an interesting variety of glass diffusers. Both satin opal and clear crystal pattern glass have been used to fine effect, with surface treatment and texture giving qualities valuable for use in present-day interiors.

The link through this great variety is the suspension design with its distinctive black cap. Pendants – one, three and five-way – are arranged for straight drops, radiating arms or spreader assemblies. Close ceiling mounting and wall brackets cover all applications. Nine glasses provide a wide scope of choice for the interior designer. Two superb spherical glasses may be used in combination with certain cylindrical inners to create a richness of texture and colour. Sparkle from the bubbled sphere shows the crystal pattern at its best; while the twilight blue adds that subtle touch of colour.

Two ceiling fittings of crystal pattern glass supported in black finished metal framing complement the Modern range which is capable of varied and extensive use.



XBC with XDC using XR1

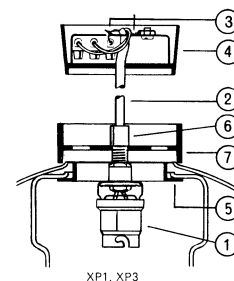


	Description	Catalogue no.	Watts (max.)	Weight of fitting (ex lamp)	
<b>GLASSES OUTER</b>	Bubbled sphere	XBC	150	1.59	3.5
	Twilight sphere	XAT	150	1.59	3.5
<b>GLASSES INNER OR SINGLE</b>	Long crystal	XDC	150	0.68	1.5
	Dimpled opal	XDO	150	0.68	1.5
	Plain cylinder	XFL	150	0.34	0.75

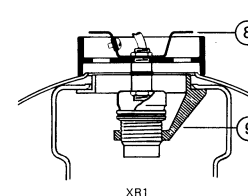
Glasses and suspensions to be ordered separately.

## Section 3:50

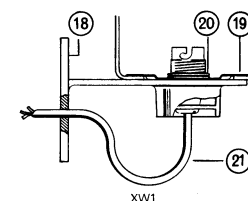
## Modern suspensions



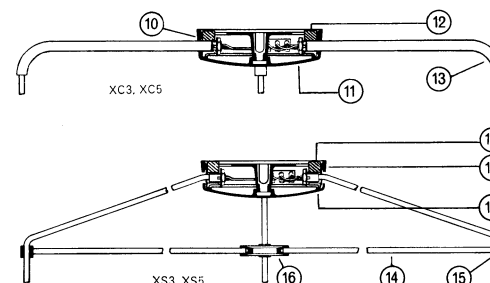
XP1, XP3



XR1



XW1



### Straight drop pendants single and three-way XP1 and XP3

The basic lampholder and gallery assembly (1) can be used with every glass. It is suspended on a black cable (2) normally 762mm/2.5ft long for the single pendant, in which are incorporated two copper straining wires (3) securely anchored at lampholder and ceiling plate (4). The weight of the single suspension without glass is 0.3kg./0.75lb. The illustration shows a cross-section of a typical pendant set. The glass is mounted on to a metal spider (5) and can easily be removed for cleaning. Unscrewing the black knurled bush (6) permits the cast cap (7) to be raised and allows for the glass to be lifted by a sideways movement over the spider. For single pendants with cable drops longer than standard there is a 2438mm/8ft suspension in kit form. (Catalogue no. XP1 8 kit). This pendant is supplied with ceiling plate unassembled enabling the cable to be cut to the desired length. Following instructions provided, the ceiling plate is easily connected to the cable. Also available is a three-way multi-pendant XP3, the standard length of each cable being 1829mm/6ft. With the addition of the AC 4895 looping block, the three-way suspension can easily be converted into a looped, free ranged pendant.

### Close ceiling unit XR1

Suitable for all types of glasses, bracket (8) permits mounting direct to ceiling or Besa box. To remove glass for cleaning, it is only necessary in this instance to unscrew the specially designed glass retaining ring (9).

### Arm type pendants three and five-way XC3 and XC5

These multi-pendants have a central cast ceiling plate (10) with a white plastic cover (11) screwed on to the central boss. This cover retains the slider (12) in position on the back casting. The sliders which carry polished brass arms (13) are suitably attached to the back casting through keyhole slots. The cable length is 1829mm/6ft for each pendant terminating in the standard Modern range lampholder assembly.

### Spreader type pendants three and five-way XS3 and XS5

This suspension has, in common with the XC series, a matching plate (10) and cover (11), but incorporates a three or five-way black anodized spreader (14). The cable suspensions pass through polished brass collars (15) and the black anodized rods (14) meet centrally at the polished cast brass ring (16). The spreader can be adjusted *in situ* to any forward position on a cable length of 1829mm/6ft. The cable is anchored into a slider (17) which is suitably attached to the ceiling plate casting through keyhole slots.

### Wall bracket XW1

A wall mounting unit is available for use with any of the glasses up to 102mm/4in maximum diameter. The wall fixing plate casting (18) also carries a glass support cap from a slender connecting arm. The glass is retained by a clamping piece (19) secured by the shade ring (20). The black cable connection (21) is looped over the lampholder and passes back through the wall plate. It is finished black in keeping with the Modern range.

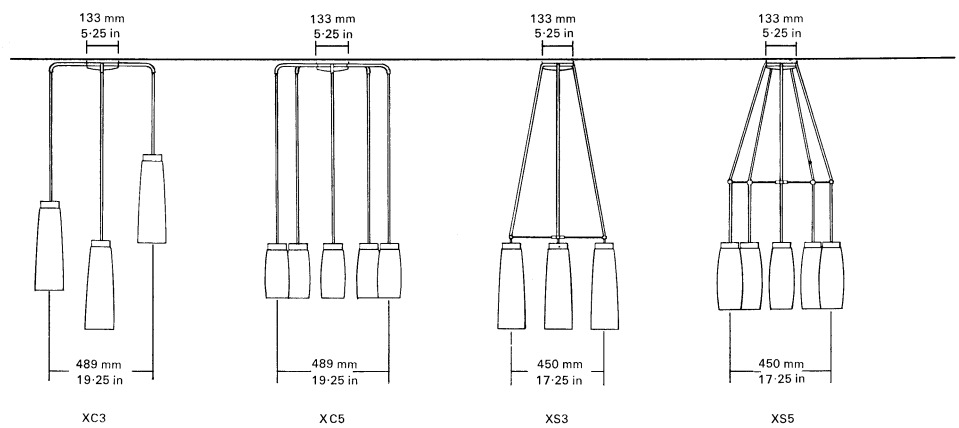
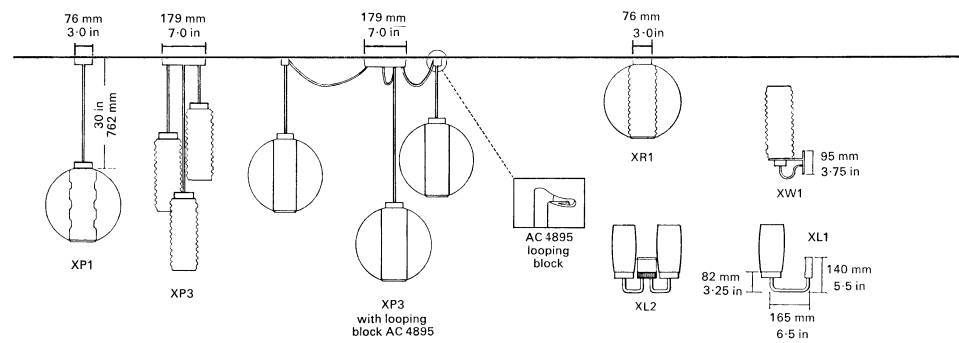
### Wall brackets XL1 and XL2

Single and twin wall brackets have been designed with a polished brass back plate cover (22) and slender tubular brass arms (23). Any of the glasses in the range can be used. The retaining ring (24) clamps the glass against the black cast cap (25). Removal of the brass cover (22) from the black finished casting (26) exposes the fixing points and terminal block (27) which makes mounting an easy and fast operation. The arms can be swivelled to any desired angle and can be used reversed (glass open downwards) if required. All fittings comply with BS.3820.

## Section 3:51



Modern suspensions

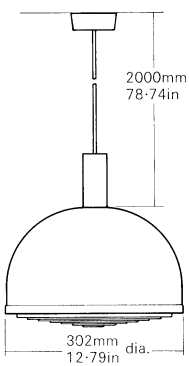


**ORDERING DETAILS OF SUSPENSIONS:**  
Glasses indicated are typical examples only. Glasses and suspensions to be ordered separately.

	Description	Catalogue no.	Weight (ex lamps)	
STRAIGHT DROP	Single	XP1	0.34	0.75
	Single	XP1 8 KIT	0.34	0.75
	3-way	XP3	1.36	3
LOOPING BLOCK		AC 4895		
CLOSE CEILING	Unit	XR1		
ARM PENDANT	3-way	XC3	1.59	3.5
	5-way	XC5	2.49	5.5
SPREADER PENDANT	3-way	XS3	1.36	3
	5-way	XS5	1.81	4
WALL BRACKET	Single	XW1	0.34	0.75
	Single	XL1	0.57	1.25
	Twin	XL2	0.90	2

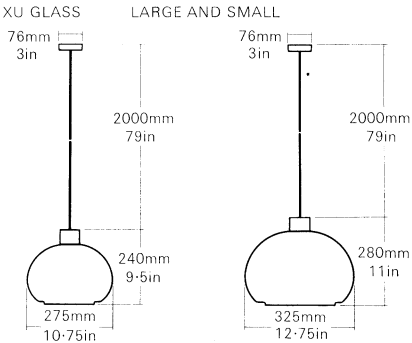
Swedish pendant fitting

A large dome-shaped aluminium spinning finished orange or white outside and white inside, with a white plastic concentric louvre. The lamp-cap housing and edge trim are silver finish, and the fitting is suspended by white flex from a white plastic ceiling plate.

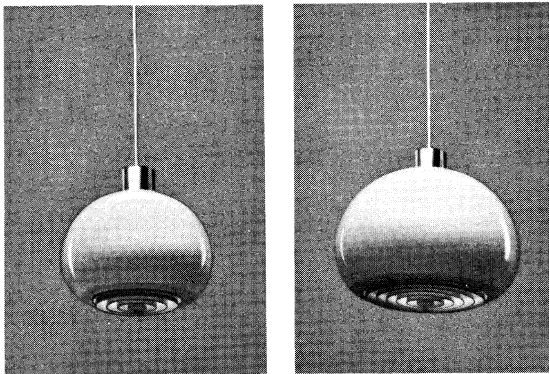
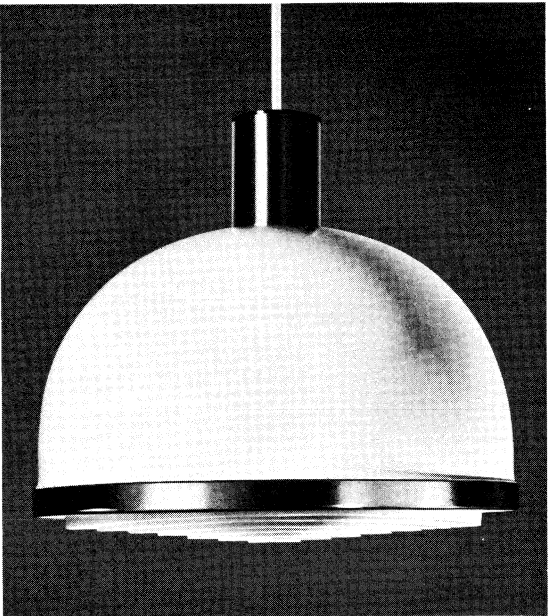


Catalogue no.	Rating (watts)	Description
XT 1100R	100	Orange spinning
XT 1100W	100	White spinning

**Modern glass pendant**  
A new shape glass in two lamp sizes, 100W and 150W, and two colours, orange or white flashed opal. Suspended on single white cable from white ceiling plate; lampholder shrouded by contrasting silver finish trim. White plastic concentric louvre for fitting in base of glass available as optional extra.



Range		
Catalogue no.	Rating (watts)	Description
XU 100R	100	Orange glass
XU 100W	100	White glass
XL 100	100	White louvre
XU 150R	150	Orange glass
XU 150W	150	White glass
XL 150	150	White louvre



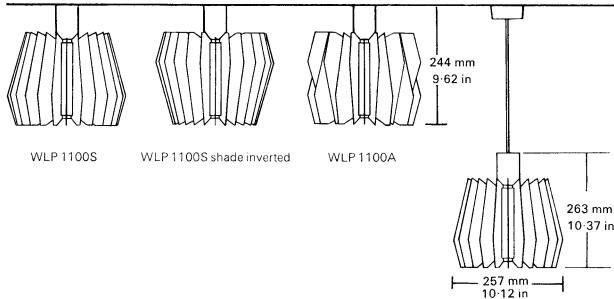
Link-lite

By the careful use of a variety of finned crystal styrene diffusers, this fitting achieves an effect that combines sparkling attractiveness with functional efficiency. As the light shines through the diffuser, the edges of the fins are strongly highlighted, forming a decorative pattern that completely surrounds the fitting. This pattern is varied by inverting some or all of the fins, so that many different regular or irregular patterns are achieved (see diagrams). For suspensions the range is fitted with a contrasting silver finish cylinder with a black cable assembly, and is available either as a single pendant, or, if required, as a close-ceiling mounted unit. Registered design nos. 925530 and 925531.



WLC 1060S close ceiling version

WLP 1100S single suspension

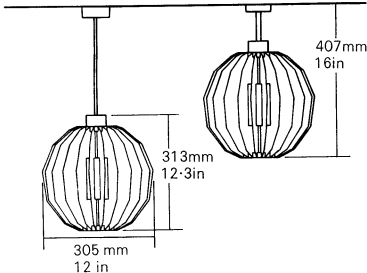


	Fin arrangement	Catalogue no.	Lamp watts	Weight (ex lamp)	
				kg	lb
Single suspension	Asymmetrical	WLP 1100A	100	1.6	3.625
	Symmetrical	WLP 1100S	100	1.6	3.625
Close ceiling	Asymmetrical	WLC 1060A	60	1.6	3.625
	Symmetrical	WLC 1060S	60	1.6	3.625

Packed complete with clear lamp in decorative box.

Link-lite 2 and 3

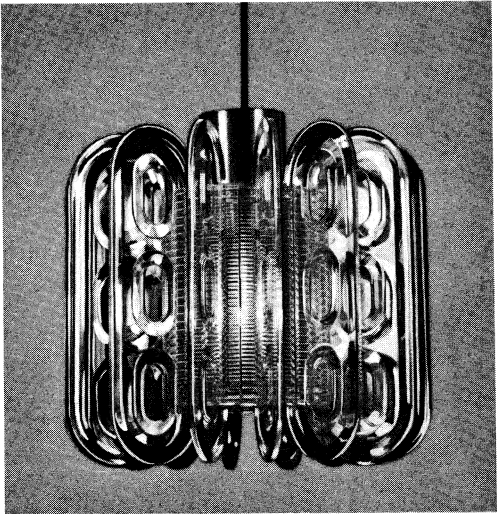
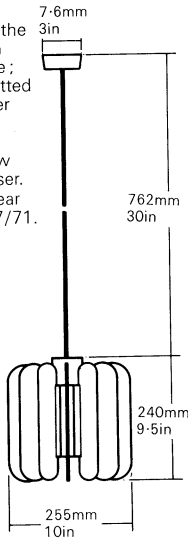
Link-lite 2 uses a 150W clear lamp to provide higher illumination without loss of form or sparkle. Available in two versions: a single pendant on a 762mm/30in length of black cable giving an overall drop of 1041mm/41in; and a close ceiling version with an overall drop of 406mm/16in. Fitted with a unique reversible lampholder support which permits the use of a 100W lamp while maintaining the same light centre as the 150W lamp. Registered design no. 939,946. Winner of ELFA award for good design.



Range Link-lite 2

Catalogue no.	Description	Lamp watts	Weight	
			kg	lb
WEP 1150	Single suspension	100/150	1.8	4
WEC 1150	Close ceiling including 150W clear single coiled lamp	100/150	1.8	4

Link-lite 3 is the latest addition to the popular Link-lite range. Packed in decorative carton with black cable; suspension fully assembled and fitted in contrasting brushed and lacquer aluminium cylinder. In a separate compartment are 14 fins and two mounting rings with easy to follow instructions for assembly of diffuser. Supplied complete with 100W clear lamp. Patent applied for no. 29027/71.

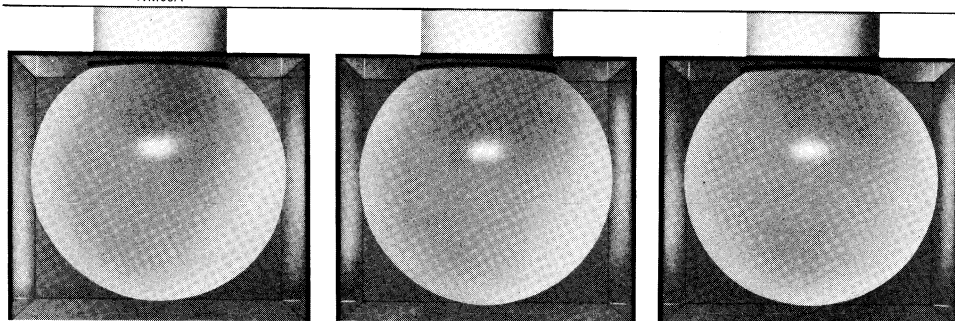


Link-lite 3

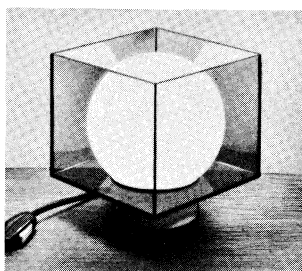
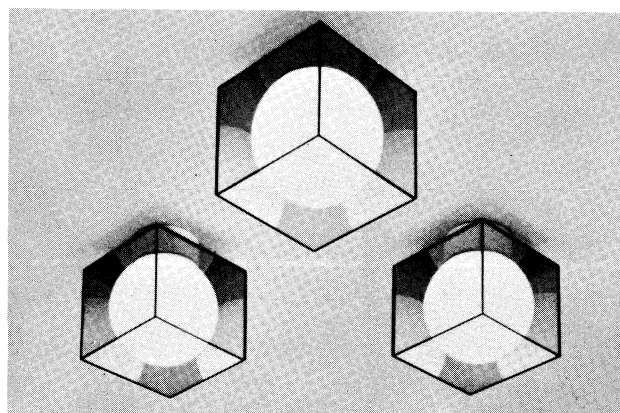
WQP 100	Single suspension unit	100	0.92	2.0625
---------	------------------------	-----	------	--------

## Cube light

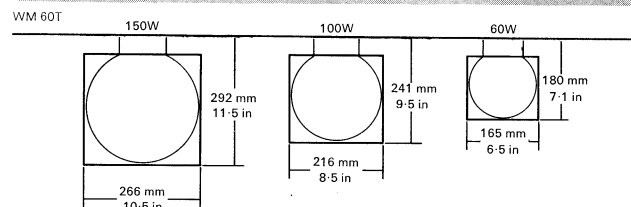
WM60A



An attractive range of decorative lighting fittings of classic simplicity. The Cube light range is built round a satin etched white opal screw neck sphere to which is added an Acrylic cube outer in twilight or amber colour. Direct mounting to wall or ceiling is by a white plastic heat resistant gallery and gasket. This colourful range of decorative units is available in 60W, 100W and 150W lamp sizes as single units but equally attractive arrangements can be created by having regular or abstract patterns of cubes scattered on the ceiling. These inexpensive units have a wide range of applications in the home, hotel or restaurant. Also available is a table stand adaptor complete with cable and switch which can simply be added to any size of cube when a table lamp is required.



WMT



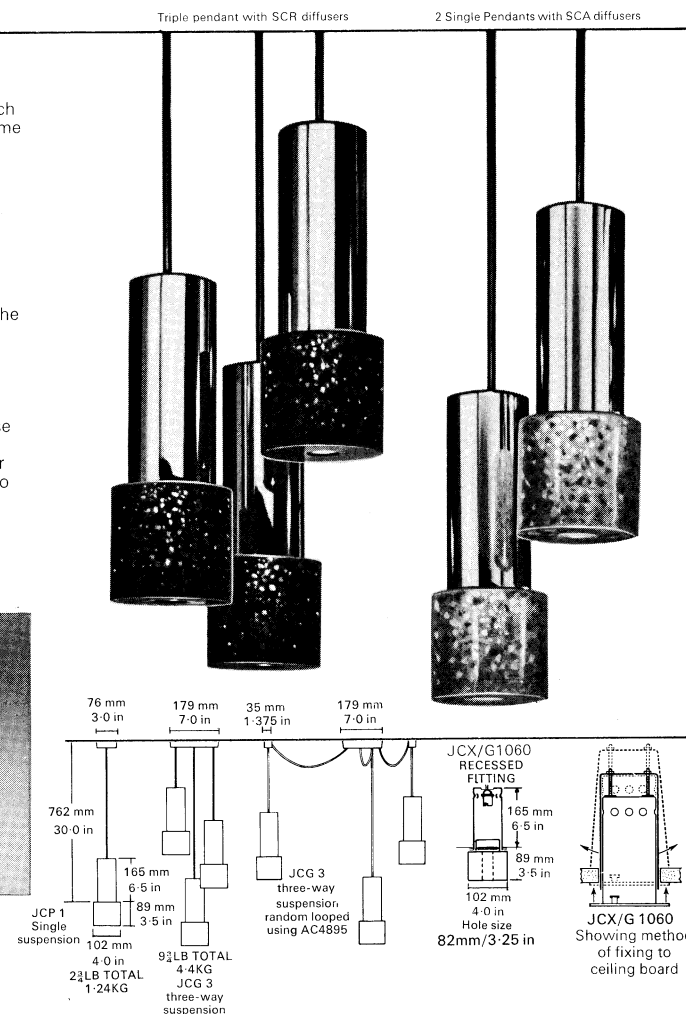
Catalogue no.	Watts	Colour	Weight (ex lamp)	
			kg	lb
WM 60A	60	Amber	0.9	2
WM 60T	60	Twilight	0.9	2
WM 100A	100	Amber	1.59	3.5
WM 100T	100	Twilight	1.59	3.5
WM 150A	150	Amber	2.49	5.5
WM 150T	150	Twilight	2.49	5.5
WMT	Table stand adaptor		0.23	0.5

## Scatter light

Well proportioned pieces of polyester resin crazed to give a sparkling effect are available in clear, amber or red. The lamp, which is concealed in a contrasting chrome cylinder, allows the light to be directed through the resin, dramatically highlighting its form. For suspension the range is available with a black cable assembly with contrasting silver finish cylinder either in a single or three-way pendant which can be converted into the looped free hanging type of suspension with the addition of AC 4895 cable suspension holder. Fitting and removal of the diffuser is achieved by raising the cylinder which permits the claws gripping the metal ring to spread and release the diffuser. A compact unit is also available for recessing into the ceiling surface to provide an inconspicuous source. A matching range of Scatter light discs are available in the form of attachments to the VR 100 fitting. The Chelsea 40W reflector lamp MUST be used in these fittings.



JCX/G1060 with SCA diffuser



	Catalogue no.			Description
CYLINDER DIFFUSER	SCC			Clear
	SCA			Amber
	SCR			Red
SUSPENSIONS	JCP 1			Single pendant
	JCG 3			Three pendant group
	JCX/G1060			Recessed fitting
	AC 4895			Cable suspension holder
LAMP	Watts	Description	Cap	Volts
	40	Chelsea	BC	240/250

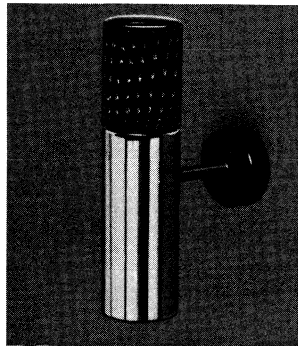
Diffuser and suspensions to be ordered separately

Chelsea handwrought glass

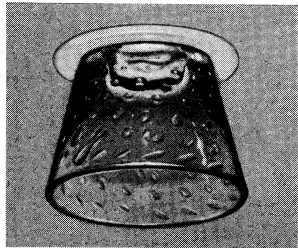
The sparkling handwrought glass is available in clear, ruby and amber in shapes that permit complete changes of lighting effect. Light is directed through the thick glass section from within a silver finish sleeve. Available for single or three-way suspension and a matching wall bracket as well as recessing into the ceiling.

GLASSES

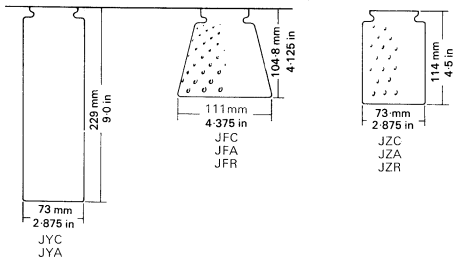
JZ glass. Available in clear, amber and in cased ruby. In the latter glass the bubbles are in a clear glass overlay.  
JY glass. The subtle colours are enhanced by the transmission of light through the glass itself, the lower end glowing with striking hues where the light is released. In clear or amber.  
JF glass. Available in clear or amber and in cased ruby.



JCB1



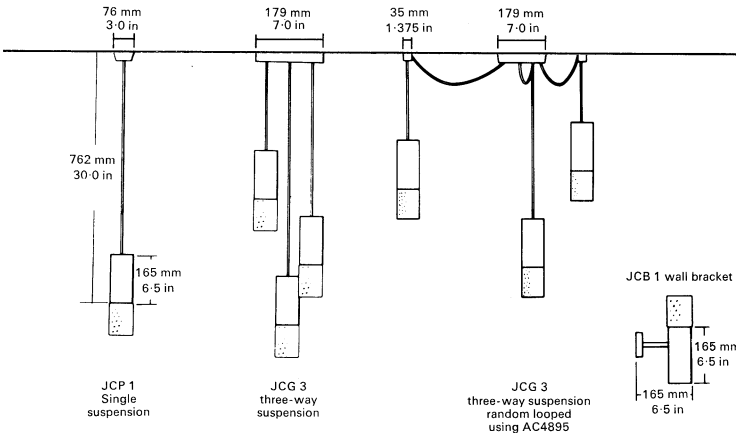
JCX/G1060



Glasses and suspensions to be ordered separately.

GLASSES	Catalogue no.	Colour	Weight (ex lamp)	
			kg	lb
JZC		Clear	0.68	1.5
JZA		Amber	0.68	1.5
JZR		Ruby	0.68	1.5
JYC		Clear	0.79	1.75
JYA		Amber	0.79	1.75
JFC		Clear	0.57	1.25
JFA		Amber	0.57	1.25
JFR		Ruby	0.57	1.25

Chelsea suspensions



SUSPENSIONS

Single suspension JCP 1. This includes a black ceiling plate and cable with silver finish outer cylinder. The cable (standard length 762mm/2.5ft) incorporates two straining wires securely anchored at lampholder and ceiling plate.  
Three-way suspension JCG 3. Using a finely proportioned 179mm/7in diameter ceiling plate, this multiple pendant can be hung directly in a closely grouped arrangement or, with the addition of the AC 4895 cable suspension holder, can be converted into the looped free hanging type of suspension. Supplied with 1828mm/6ft of cable per drop.  
Wall bracket JCB 1. Single wall bracket with black tubular arm and wall plate with silver finish cylinder.

Recessed Unit JCX/G1060

A compact unit for recessing into the ceiling surface to provide an inconspicuous source. Fitting with glass supporting cylinder enables all Chelsea range glassware to be used. Also available fitted with metal cylinder, copper anodized finish Catalogue no. A 1060

Fitting and removal

When the sleeve is raised the claws spread and the glass is placed in position. The sleeve is then lowered causing the claws to grip the neck of the glass positively and safely. The black flex, itself an integral part of the design, incorporates two straining wires securely anchored at lampholder and ceiling plate. The Chelsea 40W reflector lamp MUST be used in these fittings.

Lamp  
240/250V only.  
All fittings comply with BS.3820.

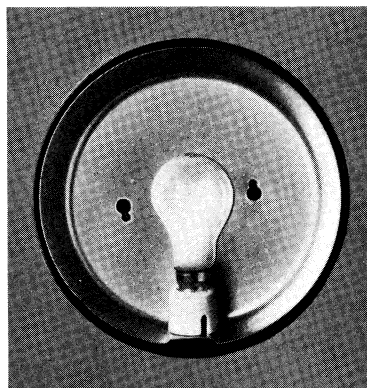
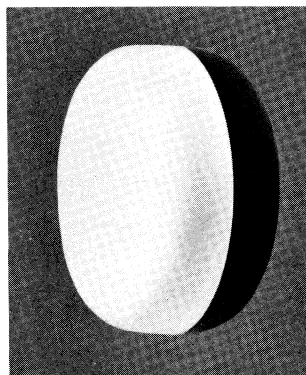
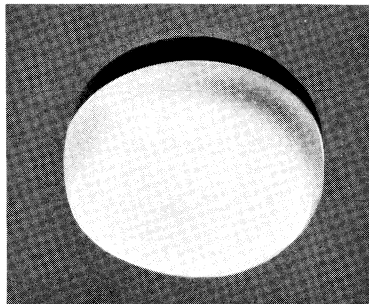
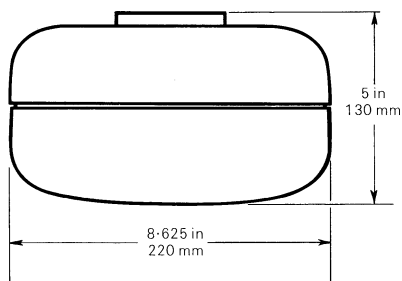
Weights are less glass and lamp. Glasses and suspension to be ordered separately.

SUSPENSIONS	Catalogue no.	Suspension	Weight	
			kg	lb
	JCP 1	Single pendant	0.23	0.5
	JCB 1	Wall bracket	0.23	0.5
	JCG 3	Three pendant group	1.36	3
	JCX/G1060	Recessed fitting	0.34	0.75
	AC 4895	Cable suspension holder	—	—

# Oyster

An all purpose totally enclosed unit for wall or ceiling mounting. Manufactured in two tone polycarbonate. Grey body, white front diffuser — it is virtually unbreakable, corrosion resistant and vandal proof. A fitting that will be equally at home in the bathroom, kitchen or corridor as it would under a porch, in a garage or a walkway. By means of a "Snap Together" action the front diffuser is removed with the aid of a coin simplifying the relamping and cleaning operation. An internal metal reflector of robust construction, on to which is mounted a porcelain BC lamp holder, is fitted to the body of the fitting.

The porcelain lamp holder is pre-wired with high temperature flying leads for ease of installation. For outdoor use a silicon rubber gasket is available for fixing at rear of fitting at the point of contact with wall or ceiling and is applied by a simple push on action. Designed for use with 100W Pearl lamp it is packed in decorative carton complete with lamp.



Catalogue no.	Description	Lamp watts	Weight	
			kg	lb
O.0Y100	Wall/Ceiling Mounting Unit	100	0.68	1.5
O.0Y4600	Gasket			