

# Incandescent and Discharge fittings

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## Introduction

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

### *Part One*

#### **Industrial Fittings** (pages 3:2–3:12)

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 3:13–3:36)

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 3:37).

##### (c) Decorative Fittings (pages 3:38–3:55).

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 and the Viewpoint shaver unit.

A detailed index of Part One is on page 3:2 and of Part Two on page 3:13.

## Industrial fittings

**HB Range** This range of fittings is for installations where mounting heights of between 4.5-18m/15-60ft are available.

The range comprises gear and lampholder assemblies (HBG) for 250W, 400W, 700W or 1000W lamps. There is also a lampholder assembly (HBT) for use when control gear is mounted remotely, to service the same lamp range.

**FLR** This is a lower wattage fitting for factory lighting where mounting heights of 3-4.5m/10-15ft are available. It uses a 125W MBF Kolorlux lamp in a rectangular metal reflector.

**High Pressure Sodium** The range has been extended to incorporate HBSG 250 (250W SON) and HBSG 400 (400W SON) gear units for use with HBX 400 reflectors and SON lamps. The same lamps and reflectors can be used with the HBT unit with remotely mounted control gear.

**HBR Range** This range is for installations where mounting heights of between 4.5-18m/15-60ft are available.

The range comprises gear and lampholder assemblies for 250W, 400W, 700W and 1000W Kolorlux lamps (MBFR) with internal reflectors.

In addition, a reflector shield (HBR) further increases the useful downwards illumination and provides a mechanical protection to the lamp; a wire guard is fitted as standard. There is also a lampholder assembly (HBT) for use when control gear is remotely mounted, to service the same lamp range and employing the same reflector shield assemblies.

**HBX Range** This range is designed specifically to give a high illumination level in installations with a mounting height of 6m/20ft and over.

The fitting consists of a spun anodized aluminium reflector (HBX) with similar gear and lampholder assemblies (HBG) as used in the HBR range of reflector shield fittings. Two reflector sizes, 400W and 1000W, with optional wire guards, are available.

**HBX 400** Kolorlux lamps (MBF) in 250W and 400W ratings can be employed in this reflector. In addition, the 400W Kolorarc (MBIF) lamp, with 25% better light output and colour rendering than MBF, is suitable. There is also a lampholder assembly (HBT) for use when control gear is remotely mounted, to service the same lamp range and employing the same reflector.

**HBX 1000** 700W and 1000W Kolorlux lamps can be employed with this reflector.

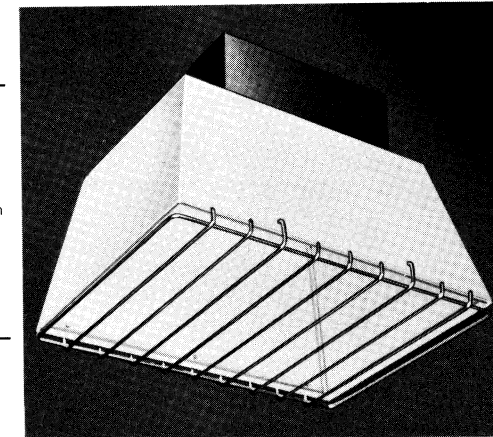
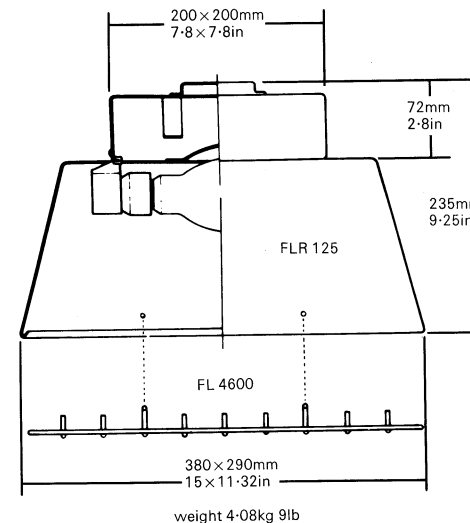
There is also a lampholder assembly (HBT) for use when control gear is remotely mounted, to service the same lamp range and also the 1000W Kolorarc (MBI) lamp.

**HBI Range** This fitting is for use with the 400W Kolorarc; a 1 kW version is also available.

The fitting consists of a spun anodized aluminium reflector to give a BZ1 distribution. This reflector, fitted with a wire guard as optional extra, can be attached to a gear and lampholder housing or to a lampholder assembly only when control gear is mounted remotely.

The reflector may also be used with the HBR range, in place of the reflector shield, to extend this range for use with MBF, MBF Kolorlux and SON lamps in 250W, 400W, 700W and 1000W ratings.

## FLR 125 Fitting



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.

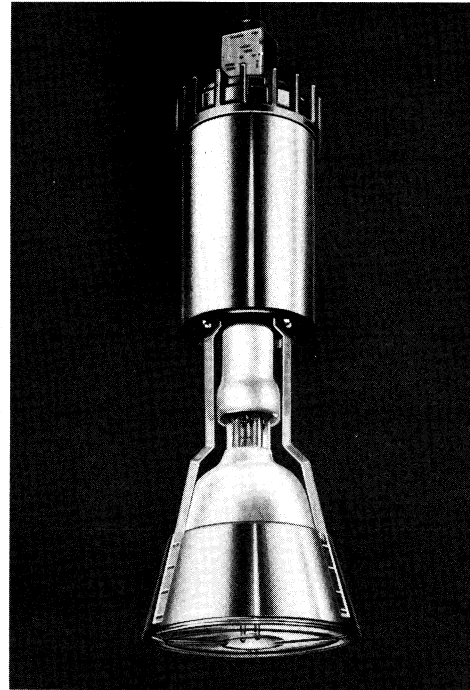
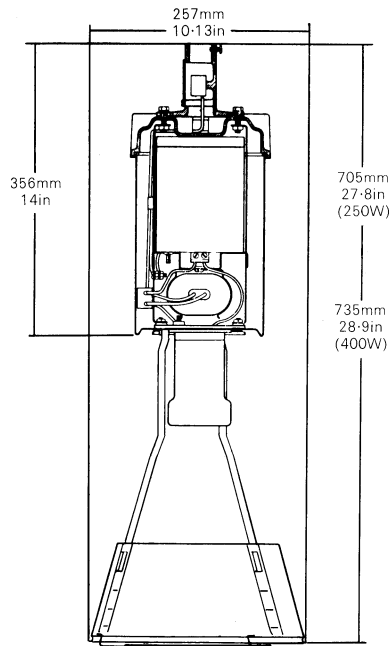
Reflector and gear box are in one pack and an optional wire guard is available.

**Fixing:** The fitting is secured to a BS conduit box by means of piercings clustered round a central 19mm/0.75in 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.*

## HBR/G250 and G400 fittings



HBR/G400

These fittings are for installations where mounting heights of between 4.5-9m/15-30ft 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 250W or 400W MBFR high pressure mercury vapour reflector lamp on 240V 50Hz supplies (other supplies

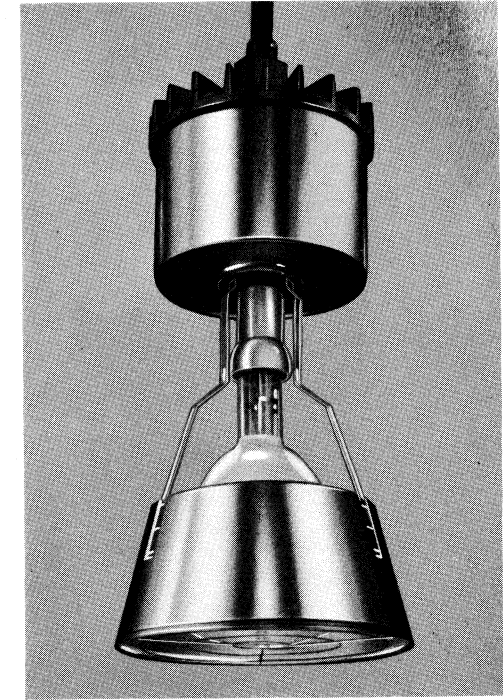
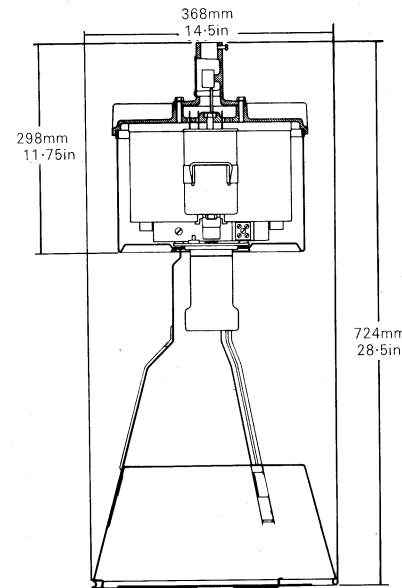
on application). The fitting is easily installed via a 25mm/1in diameter conduit entry on the top of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector shield is provided as standard to ensure the maximum downward light output and at 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

Complete fitting		Components			Weight incl. lamp	
Rating	Catalogue no.	Control gear housing including gear Catalogue no.	Reflector Catalogue no.	Wire guard Catalogue no.	kg	lb
250W	HBR/G250	HBG 250	HBR 400	Included	7.02	15.5
400W	HBR/G400	HBG 400	HBR 400	Included	9.17	20.25

Note: HBR 400 reflector shield can be replaced by an HBX 400 reflector (see page 3:7) for use with 250W and 400W MBF 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

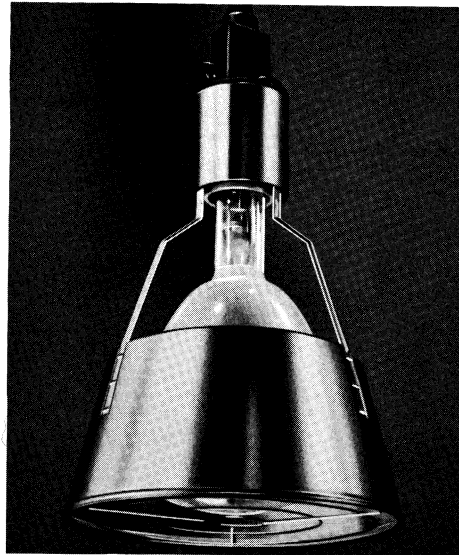
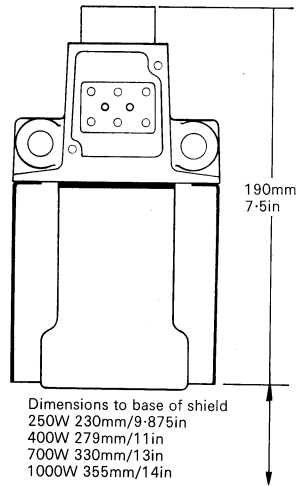
(other supplies on application). The fitting is easily installed via a 25mm/1in diameter conduit entry on the top of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector shield is provided as standard to ensure the maximum downward light 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

Complete fitting		Components		Weight incl. lamp	
Rating	Catalogue no.	Control gear housing including gear Catalogue no.	Reflector 700/1000W Catalogue no.	kg	lb
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



HBT/R1000

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 250W, 400W, 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/1in diameter conduit entry on top of the fitting.

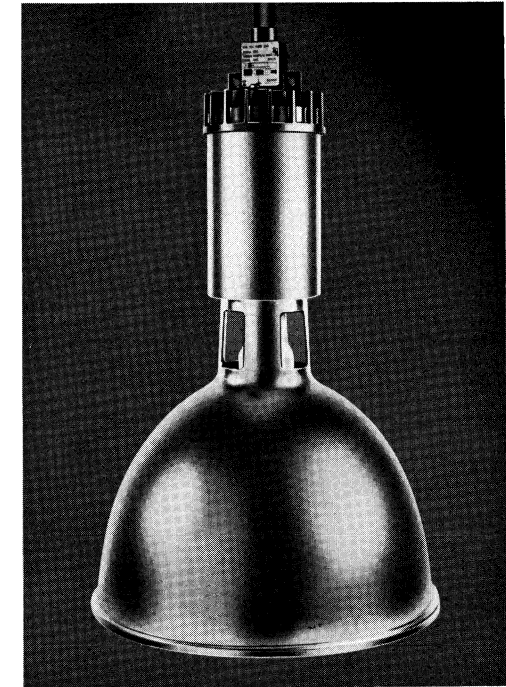
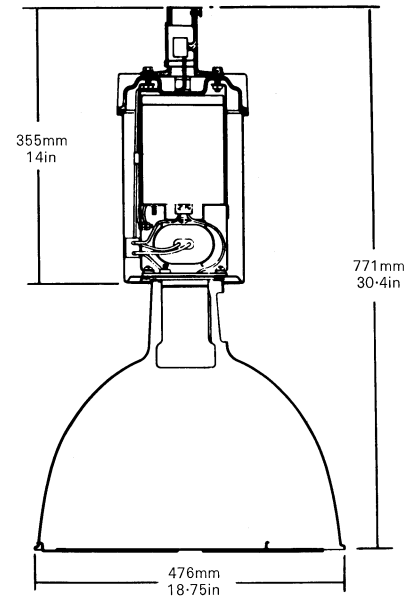
A reflector shield is provided as standard to ensure the maximum downward light output and at the same time afford protection to the lamp. A protective wire guard is provided for fixing to the base of the reflector. A version incorporating switchless start HPF control gear is available (see HBR/G pages 3:4 and 3:5).

### Range

Rating	Lamp type	Catalogue no.	Components		Dimensions		Weight	
			Top Catalogue no.	Reflector including guard Catalogue no.	Max. diameter mm in	(ex lamp) kg lb		
250W, 400W	MBFR	HBT/R400	HBT	HBR 400	257 10-13	0.68 1.5		
700W, 1000W	MBFR	HBT/R1000	HBT	HBR 1000	368 14.5	0.79 1.75		

Note. The HBR reflector shields can be replaced by HBX reflectors (see pages 3:7 and 3:8)

## HBX/G250 and G400 fittings



HBX/G250

These fittings are for installations where mounting heights of between 4.5-9m/15-30ft are available and are suitable for use in practically all types of industry. The 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 250W or 400W MBF high pressure mercury vapour reflector lamp on 240V 50Hz supplies (other

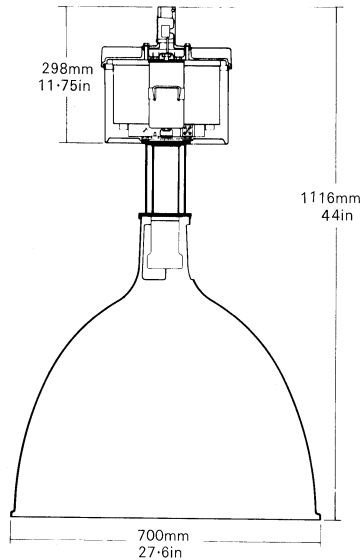
supplies on application). The fitting is easily installed via a 25mm/1in diameter conduit entry on the top of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector is provided as standard to ensure the maximum downward light output and at 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

Rating	Lamp type	Catalogue no.	Components		Optional Wire guard Catalogue no.	Weight incl. lamp kg lb
			Control gear housing incl. gear Catalogue no.	Reflector Catalogue no.		
250W	MBF	HBX/G250	HBG 250	HBX 400	HB 4601	8.6 19
400W	MBF	HBX/G400	HBG 400	HBX 400	HB 4601	10.77 23.75

Note: The HBX 400 reflector can be replaced by an HBR 400 reflector shield (see page 3:4) for use with 250W and 400W 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/1in 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).

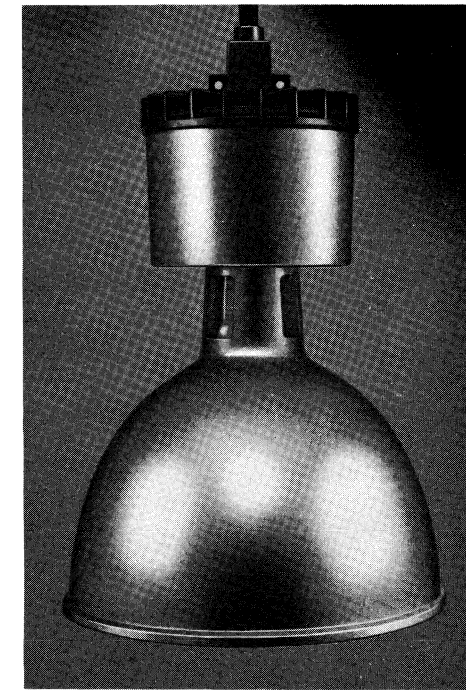
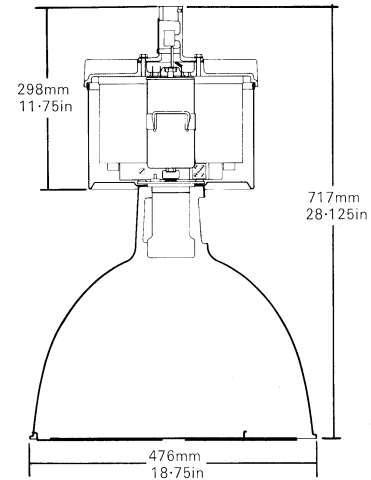
### Range

#### Complete fitting

Rating	Lamp type	Catalogue no.	Components		Weight incl. lamp		
			Control gear housing incl. gear	Reflector Catalogue no.	Optional Wire guard Catalogue no.	kg	lb
700W	MBF	HBX/G700	HBG 700	HBX 1000	HB 4602	19.2	42.4
1000W	MBF	HBX/G1000	HBG 1000	HBX 1000	HB 4602	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.

## HBIX/G400 Kolorarc fitting



HBIX/G400

This fitting is for installations where mounting heights of between 6-15m/20-50ft are available and is suitable for use in practically all types of industry. It is particularly recommended for new installations or for replacing existing tungsten fittings where higher illumination values with reduced maintenance are required.

The fitting incorporates switchless start control gear to operate a 400W MBIF Kolorarc lamp on 240V 50Hz (220V 50Hz on application). The fitting is easily installed via a 25mm/1in diameter conduit entry on the top

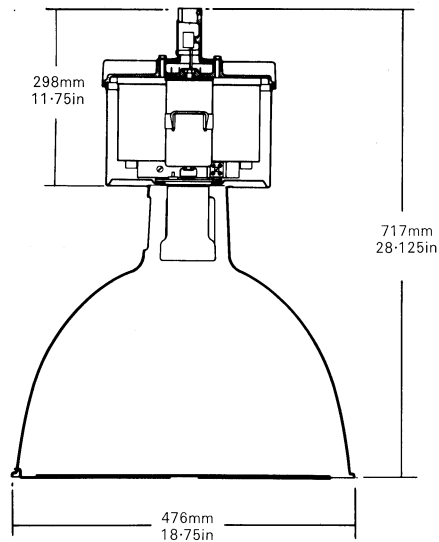
of the fitting into a separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector in anodized aluminium is provided to give a BZ1 high efficiency downward light output. Slots are provided at the top of the reflector to provide a small proportion of upward light to prevent a 'tunnel' effect and to allow a flow of air over the lamp and reflecting surfaces which helps reduce maintenance. A protecting wire guard is available as an optional extra (Catalogue no. HB 4601).

### Range

#### Complete fitting

Rating	Lamp type	Catalogue no.	Components		Weight incl. lamp		
			Control gear housing incl. gear	Reflector Catalogue no.	Optional Wire guard Catalogue no.	kg	lb
400W	MBIF	HBIX/G400	HBIG 400	HBX 400	HB 4601	18.4	40.5

## HBX/SG250 and SG400 fittings



HBX/SG400

This fitting is for installations where mounting heights of between 6-15m/20-50ft are available and is suitable for use in practically all types of industry. It is particularly recommended for new installations or for replacing existing tungsten fittings where higher illumination values with reduced maintenance are required.

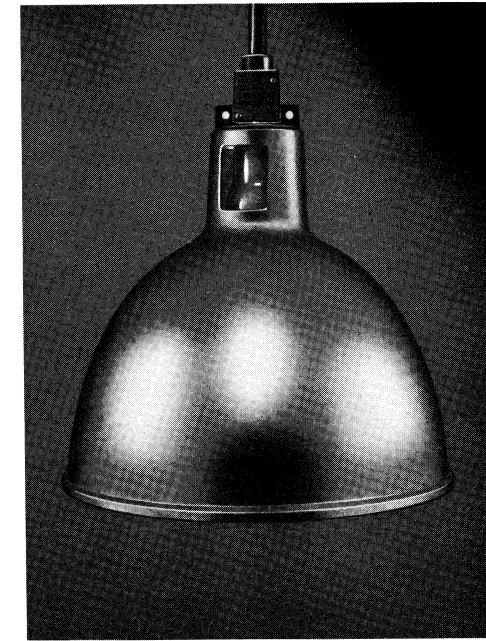
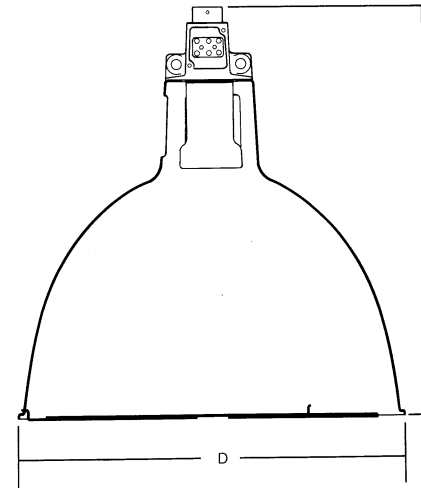
The fitting incorporates switchless start control gear to operate 250W or 400W SON lamps on 240V 50Hz. The fitting is easily installed via a 25mm/1in diameter conduit entry on the top of the fitting into a

separate wiring box to facilitate wiring to the mains without dismantling the fitting. A reflector in anodized aluminium is provided to give a BZ1 high efficiency downward light output. Slots are provided at the top of the reflector to provide a small proportion of upward light to prevent a 'tunnel' effect and to allow a flow of air over the lamp and reflecting surfaces which helps reduce maintenance. A protecting wire guard is available as an optional extra (Catalogue no. HB 4601).

### Range

Rating	Lamp type	Catalogue no.	Components			approx. Weight incl. lamp	
			Complete fitting	Control gear housing incl. gear	Reflector Catalogue no.	Optional Wire guard Catalogue no.	kg
250W	SON	HBX/SG250	HBSG 250	HBX 400	HB 4601	13.6	30
400W	SON	HBX/SG400	HBSG 400	HBX 400	HB 4601	15.4	34

## HBT/X250-1000 fittings



HBT/X400

These fittings are for installations where mounting heights of 4.5m/15ft and over are required. 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 is easily installed by means of a 25mm/1in 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 is available for both versions of reflector (Catalogue no. HB 4601 for HBX 400 reflector, Catalogue no. HB 4602 for HBX 1000 reflector). Remotely mounted gear is required for this fitting.

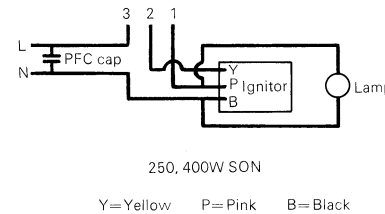
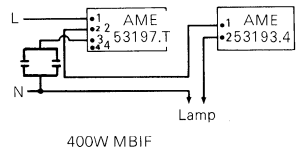
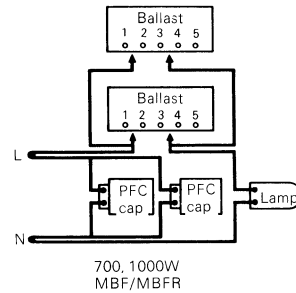
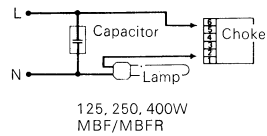
### Range

Rating	Lamp type	Catalogue no.	Dimensions		L		Weight incl. lamp	
			mm	in	mm	in	kg	lb
250W	MBF or SON	HBT/X400*	476	18.75	505	19.88	2.27	5.04
400W	MBF, MBIF or SON	HBT/X400*	476	18.75	505	19.88	2.38	5.25
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 300, 500, 750, 1000W GLS lamps  
 †This fitting may also be used with 500, 750, 1000, 1500W GLS lamps

# Replacements for High-Bay fittings

# Commercial, Display and Decorative fittings



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	AME L1113	AME L1094	AME L1094	AME L1094	AME L1094	AME L1094	AME L1094	AME L1094
3-way terminal block	AME T1281/3	AME T1306	AME T1306	AME T1306	AME T1306	AME T1306	AME T1306	AME T1306
2-way terminal block	—	—	—	AME T1297	AME T1297	AME T1297	AME T1297	AME T1297
Ballast	AME 53186.4	AME 53198.4	AME 53193.4	AME 53157.T AME 53158.T	2xAME 53164.4	AME 53193.4 AME 53917.T AME 53193.T	AME 53251.T	AME 53230.T
Capacitor	AME C2222	AME C2216	AME C2218	AME C2214 AME C2218	2xAME C2236	2xAME C2278	2xAME C2216	2xAME C2218
Ignitor	—	—	—	—	—	2xAME C2218 AME 53262	AME 53262	AME 53262

## Introduction

The fittings shown in this section can be divided into three main categories. The first contains the new Hispot 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 louvres, 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.

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# Hi-Spot 100W reflector spotlight fitting

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

### Fittings

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

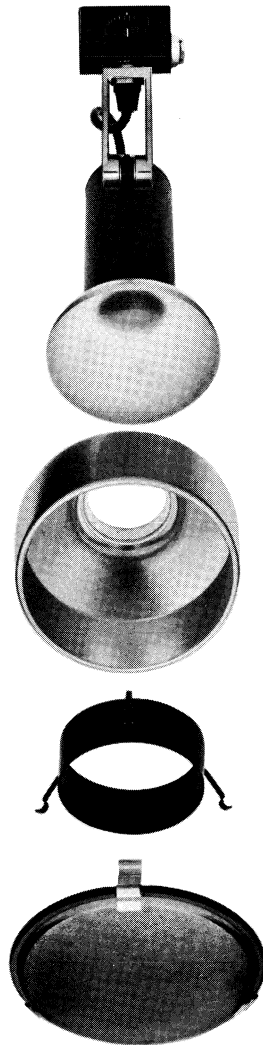
### Optional attachments

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

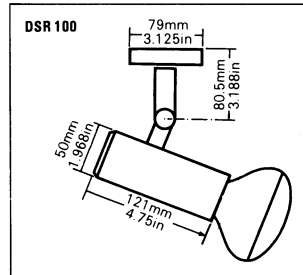
### Lamps

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

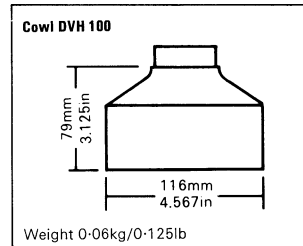


**Photometric Data**  
Average illumination value in lux.

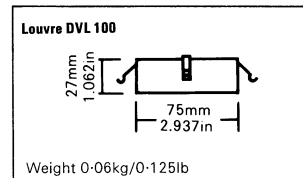
The photometry shown refers to clear lamps. Lux values for coloured lamps vary according to colour but approximate values are:  
Yellow less 10%; Blue less 60%;  
Red less 55%; Green less 50%.



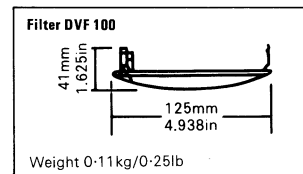
Weight DTR 100 0.57kg/1.25lb  
DSR 100 0.68kg/1.5lb



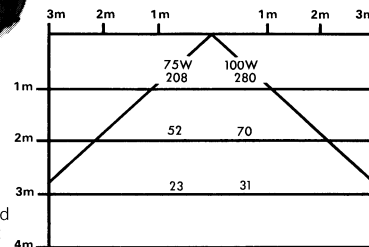
Weight 0.06kg/0.125lb



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

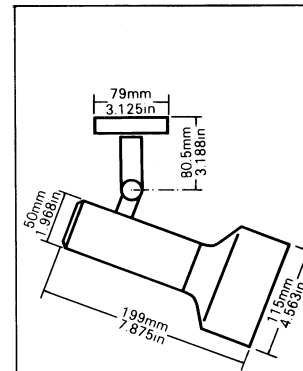
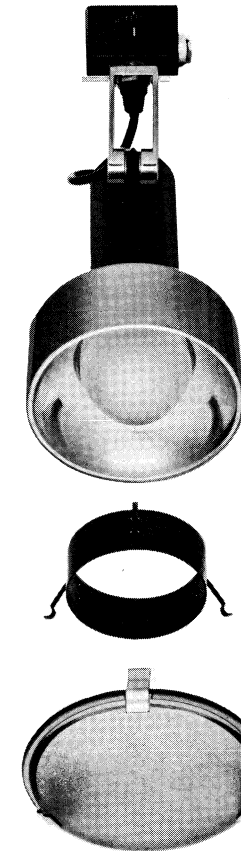
### Optional attachments

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*	

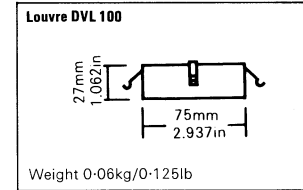
\*Complete with clips; packed 2 per carton

### Lamps

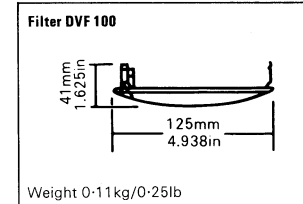
Watts	Description	Voltages
100	GLS, ES and BC	110, 240 and 250



Weight DTG 100 0.68kg/1.5lb  
DSG 100 0.79kg/1.75lb

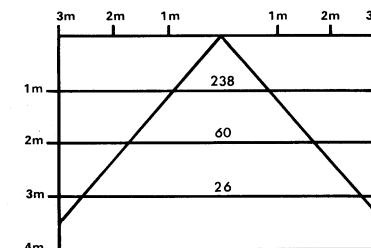


Weight 0.06kg/0.125lb



Weight 0.11kg/0.25lb

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



DTG 100 using 100W GLS pearl lamp



# Hi-Spot 150W universal spotlight fitting

This range of spotlights uses as its basis a standard 150W 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 150	ES	150	Trakline	Matt black, chrome trim
DSU 150	ES	150	Ceiling	Matt black, chrome trim

## Optional attachments

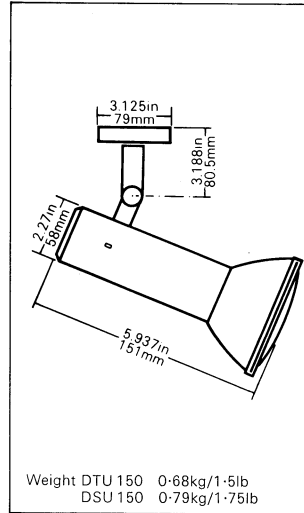
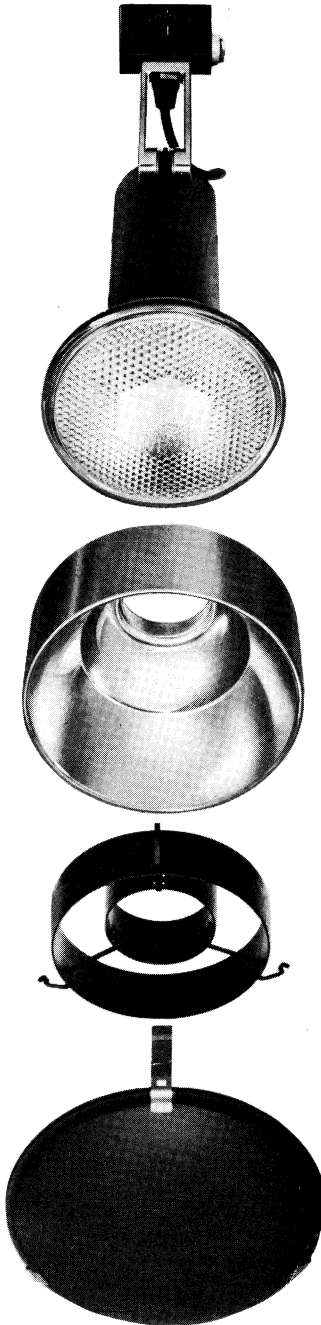
Catalogue no.	Description	Finish
DVH 150	Cowl. See lamp information for uses	Brushed and lacquered aluminium
DVHR 150	Cowl and reflector for 150W GLS lamp	Brushed and lacquered aluminium
DAVL 200	Reflector and louvre for 200W GLS lamp	Natural aluminium
DVL 150	Louvre for use on DVH 150 and DVHR 150	Matt 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

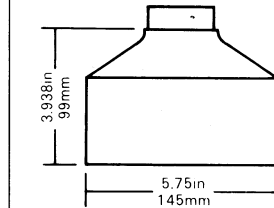
Watts	Description	Voltages
75, 100, 150	Interior display reflector lamps ES only *DVH 150 can be used	200/230 240, 250
75 only	As above in lacquered colours red, yellow, green and blue *DVH 150 can be used	240/250
100, 150	GLS lamp (pearl) ES only *DVHR 150 must be used	100, 220/230 240, 250
200	GLS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

\*See details in Optional attachments table.



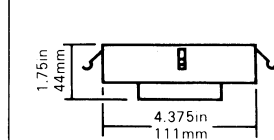
Weight DTU 150 0.68kg/1.5lb  
DSU 150 0.79kg/1.75lb

## Cowl DVH 150 and Cowl/Reflector DVHR 150



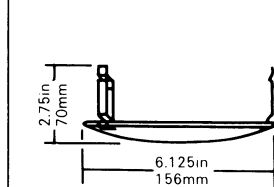
Weight 0.06kg/0.125lb

## Louvre DVL 150



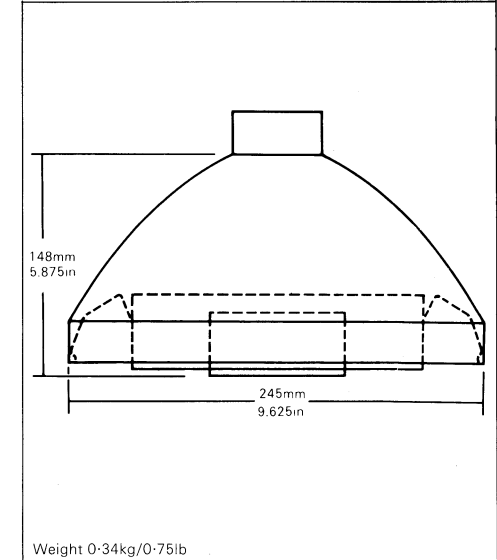
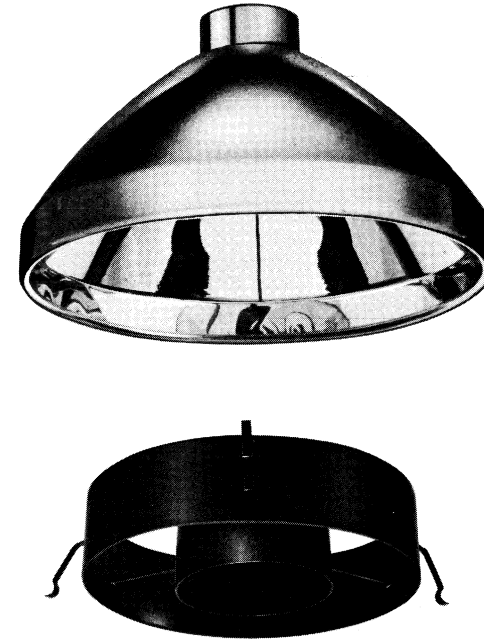
Weight 0.11kg/0.25lb

## Filter DVF 150



Weight 0.17kg/0.375lb

# Hi-Spot 150W universal spotlight fitting



Weight 0.34kg/0.75lb

## Photometric Data

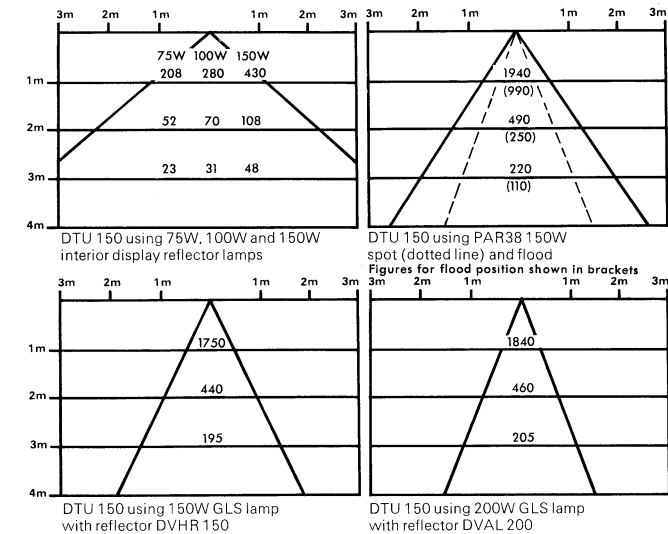
Average illumination value in lux.

## Lamps

Watts	Description	Voltages
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

\*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

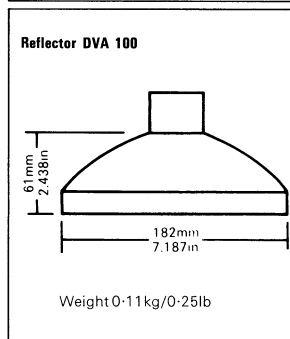
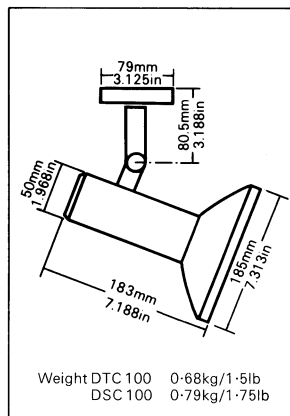
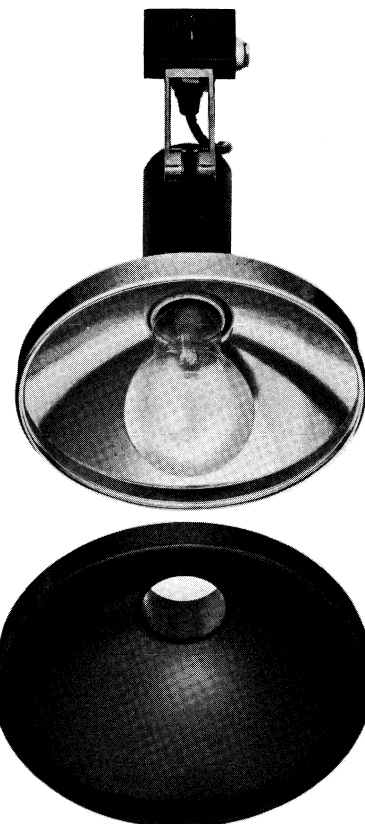
### Optional attachments

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

Packed with lamp

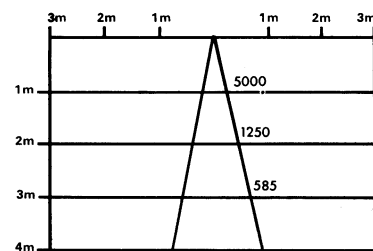
### Lamps

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



### Photometric Data

Average illumination value in lux.



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

## Hi-Spot 150W die-cast PAR38 spotlight fitting

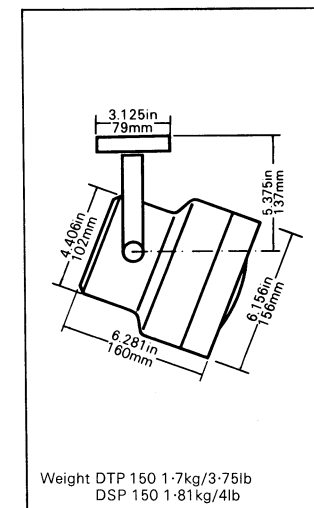
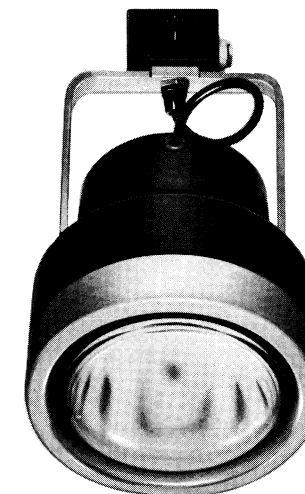
This group of fittings accepts a range of PAR38 lamps up to 150W. It features die-cast bodies finished in black or white with brushed and lacquered aluminium cowl and contrasting chrome trim.

### Fittings

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

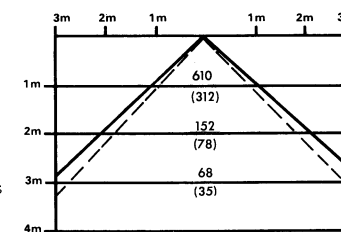
### Lamps

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

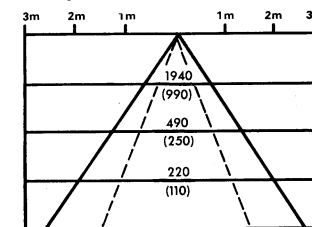


### Photometric Data:

Average illumination value in lux.



DTP 150 using PAR38 150W spot (dotted line) and flood (solid line)  
Figures for flood position shown in brackets



DTP 150 using PAR38 100W spot (dotted line) and flood (solid line)  
Figures for flood position shown in brackets

# 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	

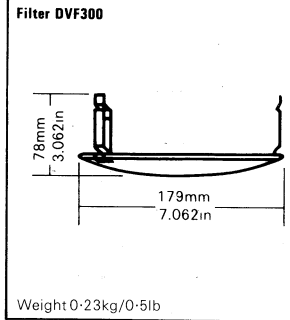
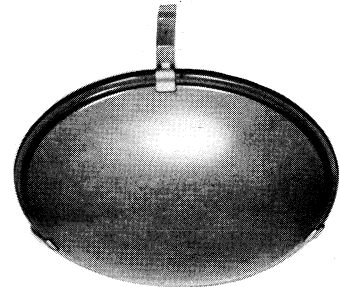
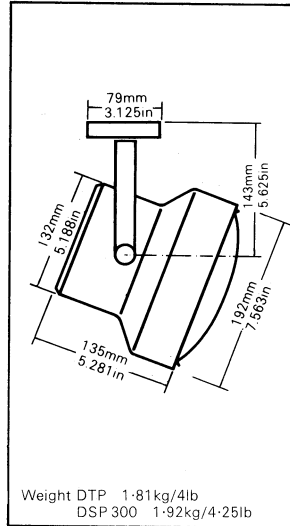
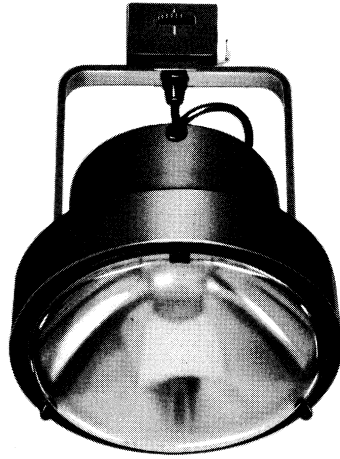
### Optional attachments

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

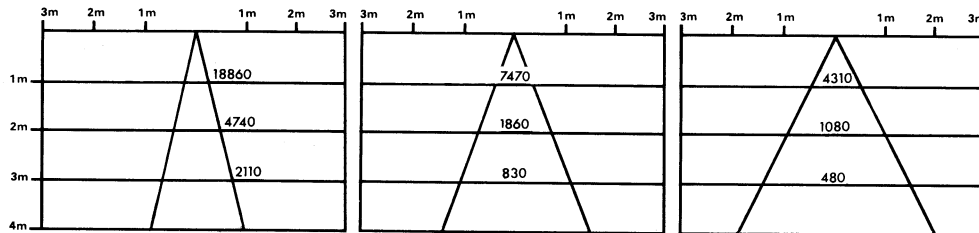
### Lamps

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



### Photometric Data

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



DTP 300 using PAR56 narrow beam

DTP 300 using PAR56 medium beam

DTP 300 using PAR56 wide beam

# 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 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 use, the 500 watt version for ceiling plate mounting.

### Fittings

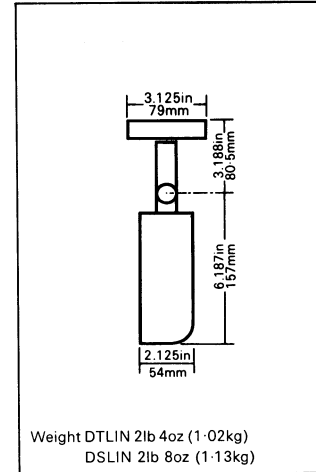
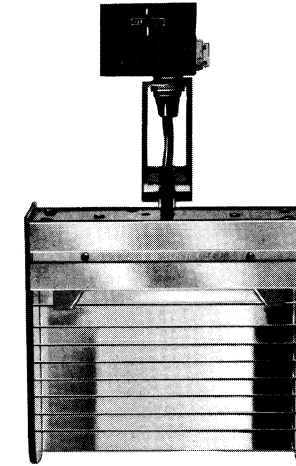
Cat. No.	Lamp Cap	Watts (max)	Fixing	Finish
DTLIN300	R7's	300	Trakline	Black, chrome and matt finish aluminium
DSLIN500	R7's	500	Ceiling	Black, chrome and matt finish aluminium

### 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

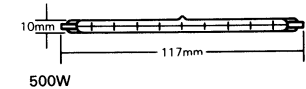
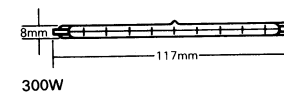
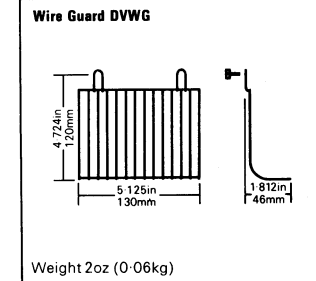
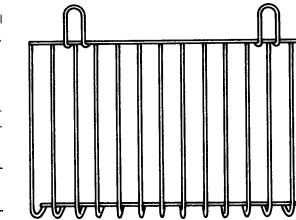


### Optional attachments

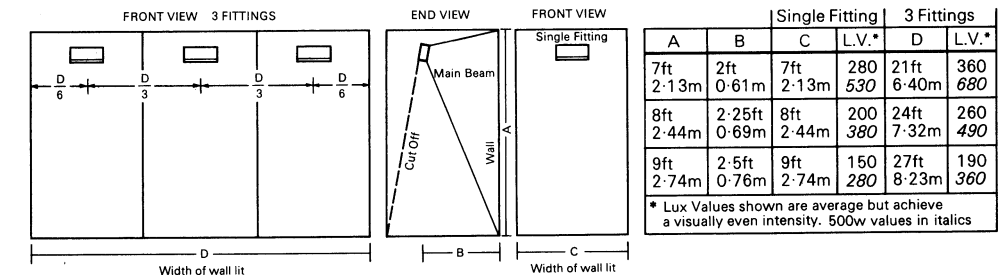
Cat. No.	Description	Finish
DVWG	Wire guard, complete with fixing screws	Stainless steel

### 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



### Photometric Data



## 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	Voltagess	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
DSLVL 20-2	Single ended bi-pin	20	220/230	Ceiling	Black
DSLVL 20†	Single ended bi-pin	20	240/250	Ceiling	Black

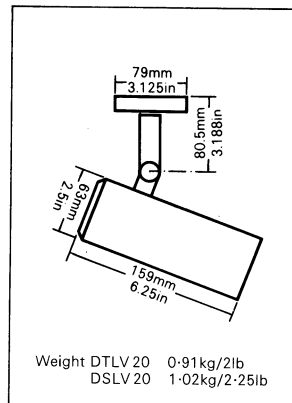
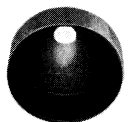
†Lamp packed with fitting  
220V versions to special order only

### Optional attachments

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

### Lamps

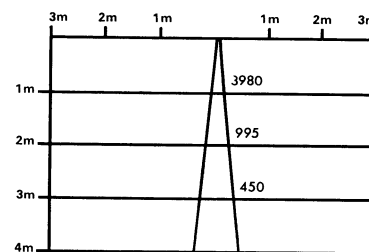
Watts	Description	Voltage
20	Tungsten-halogen display lamp Catalogue no. M34	6



Weight DTLV 20 0.91kg/2lb  
DSLVL 20 1.02kg/2.25lb

### 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	Voltagess	Fixing	Finish
DTLV 50W.2	Single ended Bi-Pin	50	220/230	Trakline*	White
DTLV 50W†	Single ended Bi-Pin	50	240/250	Trakline*	White
DTLV 50B.2	Single ended Bi-Pin	50	220/230	Trakline*	Black
DTLV 50B†	Single ended Bi-Pin	50	240/250	Trakline*	Black
DSLVL 50W.2	Single ended Bi-Pin	50	220/230	Ceiling	White
DSLVL 50W†	Single ended Bi-Pin	50	240/250	Ceiling	White
DSLVL 50B.2	Single ended Bi-Pin	50	220/230	Ceiling	Black
DSLVL 50B†	Single ended Bi-Pin	50	240/250	Ceiling	Black

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

†Lamp packed with fitting.  
220v versions to special order only.

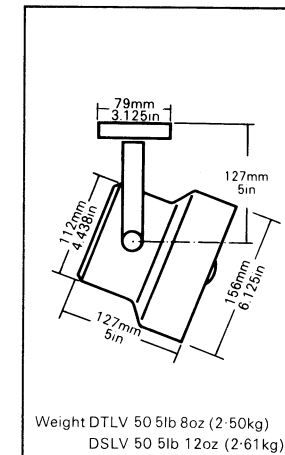
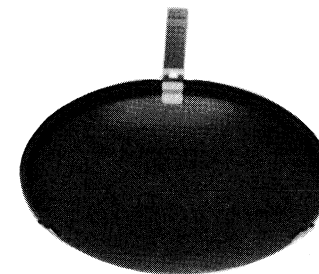
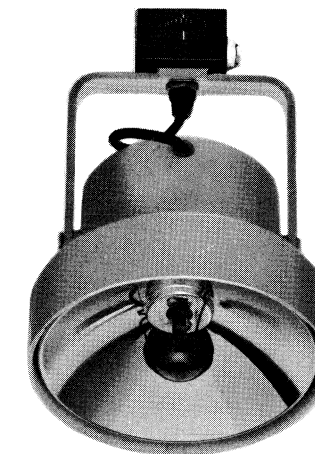
### Optional attachments

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

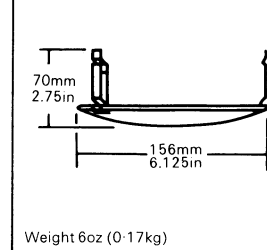
### Lamp

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



Weight DTLV 50 5lb 8oz (2.50kg)  
DSLVL 50 5lb 12oz (2.61kg)

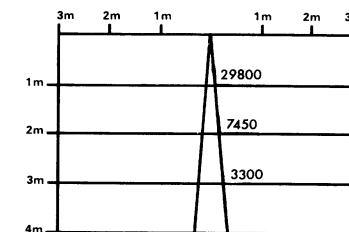
### Filter DVF150



Weight 6oz (0.17kg)

### Photometric Data

(Average illumination value in lux)



DTLV50 using 12v 50w Tungsten Halogen lamp

## 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	Volts	Fixing	Finish
DTLV 100W2	Single ended bi-pin	100	220/230	Trakline	White
DTLV 100W1	Single ended bi-pin	100	240/250	Trakline	White
DTLV 100B2	Single ended bi-pin	100	220/230	Trakline	Black
DTLV 100B1	Single ended bi-pin	100	240/250	Trakline	Black
DSLW 100W2	Single ended bi-pin	100	220/230	Ceiling	White
DSLW 100W1	Single ended bi-pin	100	240/250	Ceiling	White
DSLW 100B2	Single ended bi-pin	100	220/230	Ceiling	Black
DSLW 100B1	Single ended bi-pin	100	240/250	Ceiling	Black

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

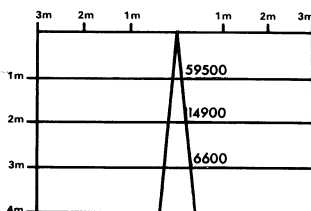
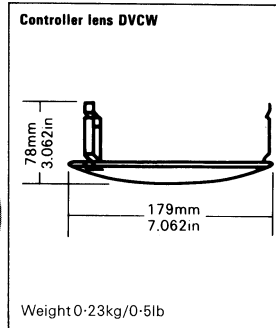
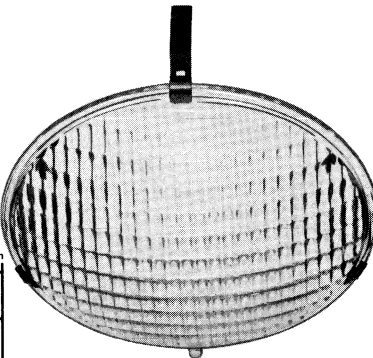
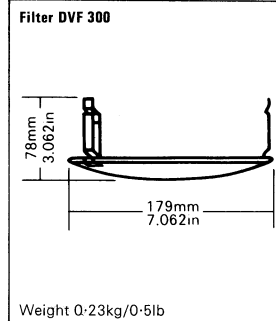
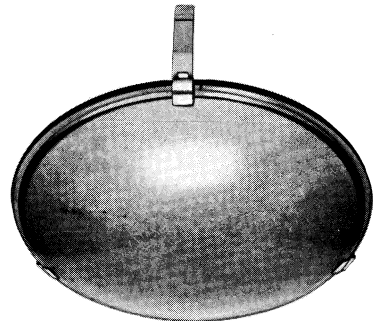
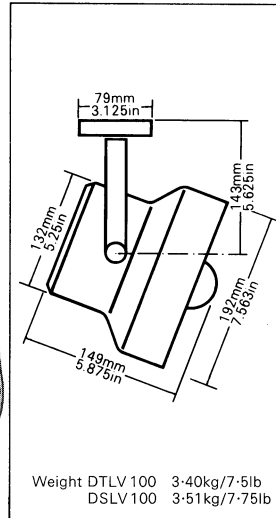
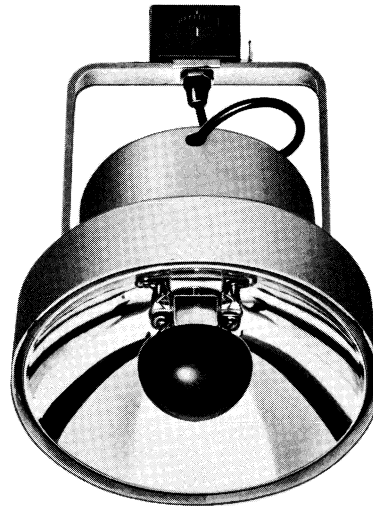
### Optional attachments

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 Catalogue no. M28	12



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.

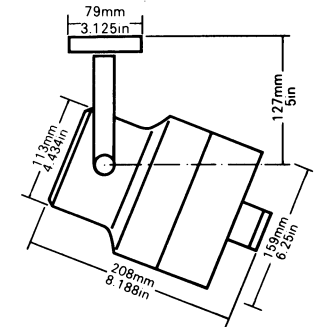
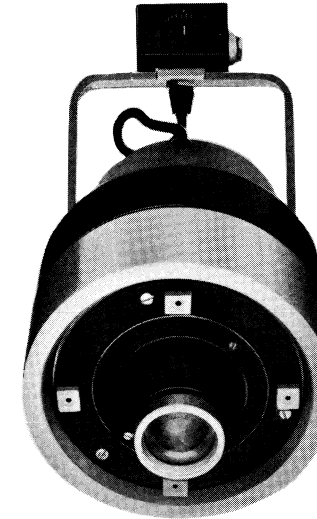
### Fittings

Cat. No.	Lamp Cap	Watts	Volts	Fixing	Finish
DTRO 50.2	Single ended Bi-Pin	50	220/230	Trakline*	Black
DTPRO 50†	Single ended Bi-Pin	50	240/250	Trakline*	Black
DSPRO 50.2	Single ended Bi-Pin	50	220/230	Ceiling	Black
DSPRO 50†	Single ended Bi-Pin	50	240/250	Ceiling	Black

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

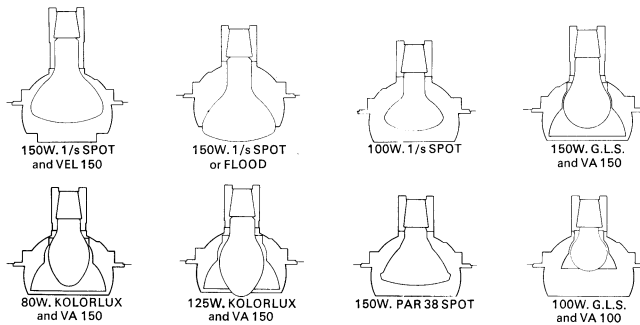
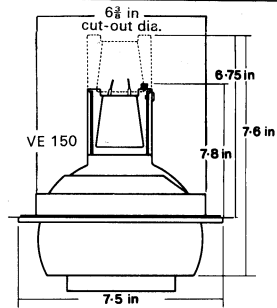
### Lamp

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



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

# Mains Voltage Spotlights



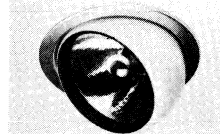
### VE.150 adjustable eyeball spotlight

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.

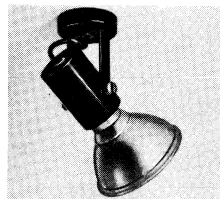
Three hole fixing is provided to the ceiling ring which is concealed by polished anodised aluminium trim when in position. Body is stove enamelled black or white. Black painted clip on louvre Cat. no. VEL. 150



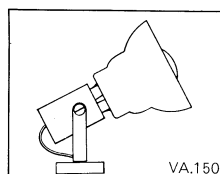
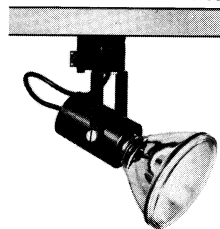
British Patent applied for VE.150



VELV 50/W



VG.150



VA.150

	Catalogue no.	Colour	Weight lbs oz	kg
Eye ball fitting	VE 150/B	Black	1-0	45
	VE 150/W	White		
Louvre attachment	VEL 150		2	-05

A similar fitting to accept a 12V 50W M32-Tungsten Halogen lamp is also available. These fittings require a remotely mounted Transformer TRF 2338F. For details see following page.

Fitting	Catalogue no.	Colour	Weight kg	lb	Cut-out in (dia.)
VE LV50/B		Black	45	1	6-375
VE LV50/W		White	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 Cat. 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 Cat. no. VA.150. A cool running fitting ideal for use with COOL-RAY Par 38 lamp (indoors) supplied wired complete with ES lampholder.

\*For mounting on Trakline

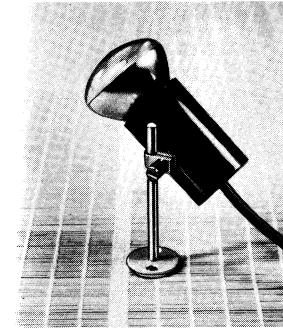
Cat. no.	Cap	Lamp watts	Length in	mm	Diameter in	mm	Weight (ex. lamp) oz	kg
VG.100	BC	100	3-25	82	2-25	57	8	0-22
VG.150	ES	150	3-25	82	2-25	57	8	0-22
VGT.100*	BC	100	3-25	82	2-25	57	8	0-22
VGT.150	ES	150	3-25	82	2-25	57	8	0-22

### Accessories

#### Auxiliary reflectors

Cat. no.	Cap	Lamp watts	Length in	mm	Diameter in	mm	Weight (ex. lamp) oz	kg
VA.100	ES	100	2-5	63	4-25	108	1	0-028
VA.150	ES	150	3-75	95	5-0	127	2	0-056

# Low voltage spotlights

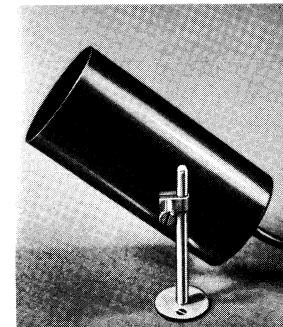


### DAS 1050

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

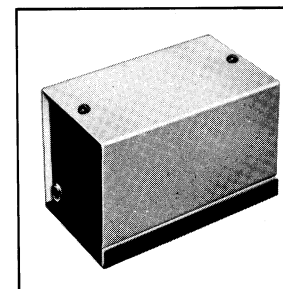


### DCS 1050

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 mm	in	Width mm	in	Height mm	in	Weight		For use with
									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.

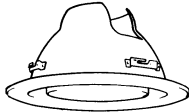
# Display lighting



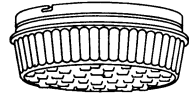
Scatterlight diffuser  
VSA 100, VSC 100, VSR 100



Pin-hole VP 100



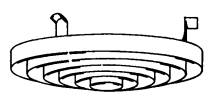
O' lighter VO 200



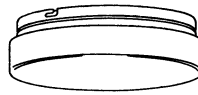
Crystal glass dish  
VX 100, VX 200



Large satin opal  
glass dish VY 100, VY 200

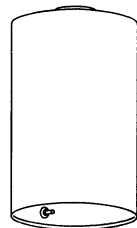


Louvre  
VL 100, VL 200, VL 2100

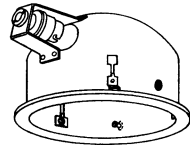


Small opal glass dish  
VZ 100, VZ 200, VZ 2100

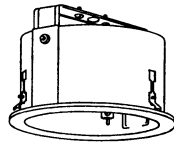
In these fittings a series of seven attachments can be applied to a range of surface-mounted or recessed fittings and, in some instances, a cylindrical fitting. Many of these fittings will accept Kolorlux as well as tungsten filament lamps. The gear may be mounted remote from the fittings. A gear box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



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  
VR 200 125W Kolorlux

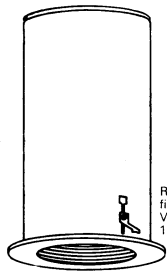


Ceiling ring assembly  
VCM 100

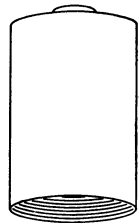


Surface mounted fittings  
VS 2060B, VS 2060A 2 x 60W  
VS 2100B, VS 2100A 2 x 100W  
VS 2100BES, VS 2100AES 2 x 80W Kolorlux

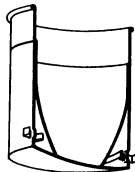
## Basic surface-mounted recessed and semi-recessed fittings



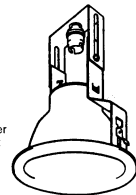
Recessed  
fitting  
VU 150  
150W



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



Wall washer  
attachment  
VV 150

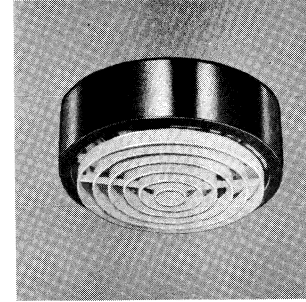


Junior  
recessed fitting  
VJ 200 100, 150 and 200W  
VJ 200ES 80/125W Kolorlux

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



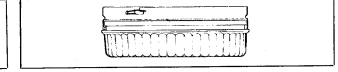
Plastic louvre



Small satin etched opal  
glass bowl



Clear crystal glass dish

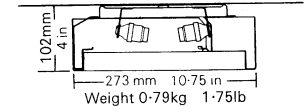


## Basic Units VS 2060

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

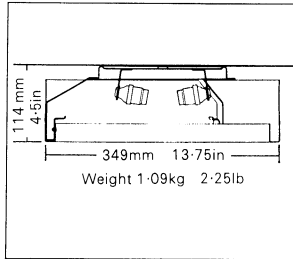
	Catalogue no.	Height		Diameter		Weight (ex lamps)	
		mm	in	mm	in	kg	lb
Plastic louvre	VSL 2060A	120	4-75	273	10-75	0-91	2
	VSL 2060B	120	4-75	273	10-75	0-91	2
Clear crystal glass dish	VSX 2060A	139	5-5	273	10-75	2-49	5-5
	VSX 2060B	139	5-5	273	10-75	2-49	5-5
Small satin etched opal glass bowl	VSZ 2060A	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

# Cylinder range



### Basic Units VS 2100 and VS 2100ES

2 x 100W and 2 x 80W Kolorlux surface—mounting spun aluminium ceiling fittings, in natural anodized

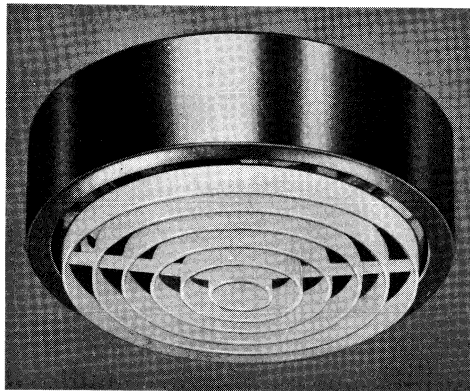
and black painted finishes. Cable entry and fixing holes suitable for 51mm/2in Besa box centres. All fittings are supplied complete with lampholder.

### Basic Unit

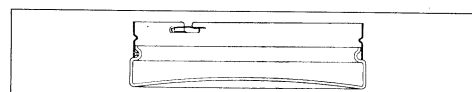
Catalogue no.	Watts	Finish
VS 2100A	2 x 100	Natural anodized
VS 2100B	2 x 100	Black painted
VS 2100AES	2 x 80 Kolorlux	Natural anodized
VS 2100BES	2 x 80 Kolorlux	Black painted

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

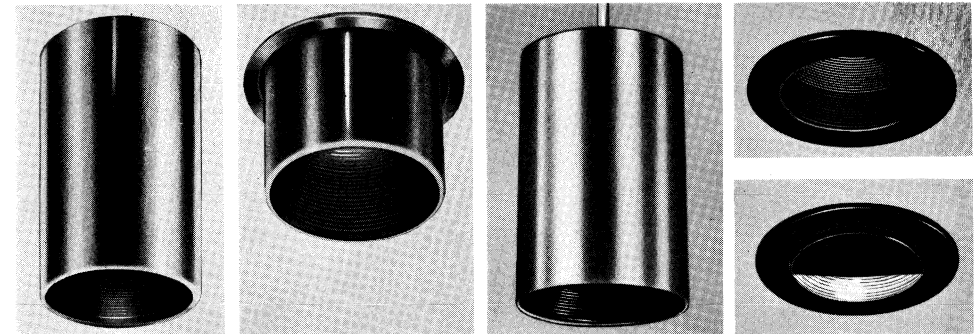
### Dimensions of complete fitting

	Catalogue no.	Cap	Height		Diameter		Weight (ex lamps)	
			mm	in	mm	in	kg	lb
<b>Plastic louvre</b>	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
<b>Small satin etched opal glass bowl</b>	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
<b>Plastic louvre †</b>	VL 2100	2 x 100
<b>Small satin etched opal glass bowl</b>	VZ 2100	2 x 100/2 x 80 Kolorlux

†Not available for use with Kolorlux lamps.

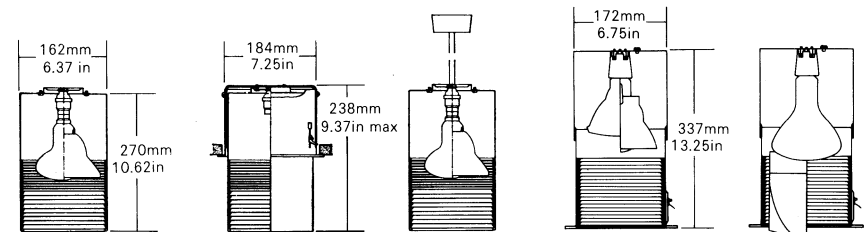


VCB 100 and VCB 150

Semi-recessed

Suspended using AME M6113/18 suspension

Top VU.150  
Bottom VU.150 with VW.150



VCB 100 and VCB 150  
Ceiling mounted

VCB 100 and VCR 150  
Semi-recessed

VCB 100 and VCB 150  
Suspended

VU 150

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.

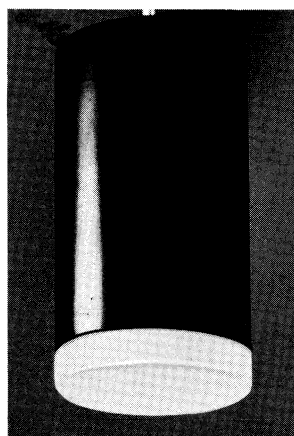
### Dimensions

Catalogue no.	Cap	Height		Diameter		Weight (ex lamp)		Ceiling hole size	
		mm	in	mm	in	kg	lb	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.)	—	—	—	—	—	—
VU 150	ES	337	13.25	210	8.25	1.81	4	171	6.75

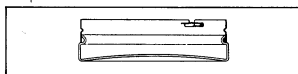
Basic unit and ceiling ring assembly ordered separately.



## Cylinder range attachments



Suspended

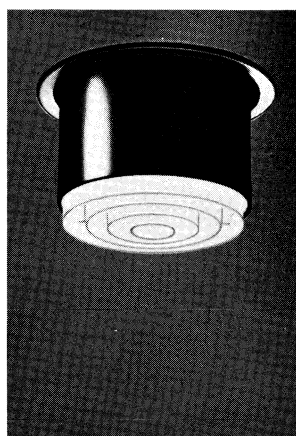


Satin etched opal bowl

### 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

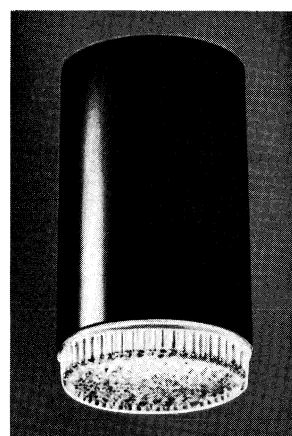


Plastic louvre

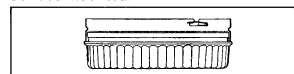
AME M6113/18 suspension rod.

(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

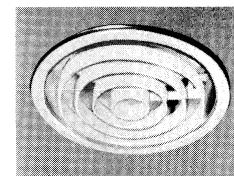
By using white suspension rod and ceiling plate (Catalogue no. AME M6113/18) the basic unit can be suspended 18in/457mm from ceiling. Basic unit and suspension rod ordered separately.

### Dimensions of complete fitting

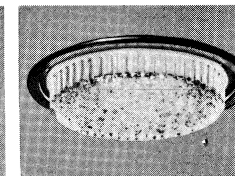
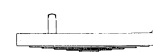
	Catalogue no.	Cap	Finish	Height		Diameter		Weight (ex lamp)	
				mm	in	mm	in	kg	lb
<b>Satin etched opal bowl</b>	VCZ 100A	BC	Anodized	301	11-87	162	6-37	1-1	2-5
	VCZ 100B	BC	Black	301	11-87	162	6-37	1-1	2-5
	VCZ 100AES*	ES	Anodized	301	11-87	162	6-37	1-1	2-5
	VCZ 100BES*	ES	Black	301	11-87	162	6-37	1-1	2-5
<b>Plastic louvre†</b>	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
<b>Clear crystal glass dish</b>	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.

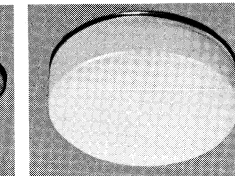
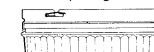
## Recessed fittings



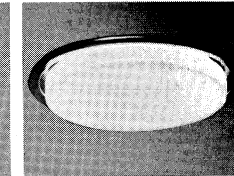
Plastic louvre



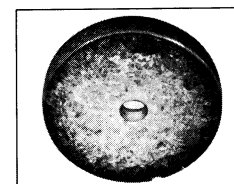
Clear crystal glass dish



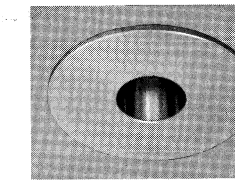
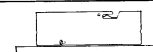
Large satin etched opal glass bowl



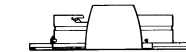
Small satin etched opal glass bowl



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

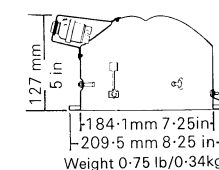
1 x 100W and 1 x 80W Kolorlux recessed units in spun anodized aluminium with a polished rim. Adjustable support brackets are provided enabling quick fixing. These are attached from within the fitting, out of sight.

### 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		Diameter		Weight (ex lamp)	
			mm	in	mm	in	kg	lb
<b>Plastic louvre</b>	VRL 100	100	146	5-75	209	8-25	0-45	1
<b>Pin-hole attachment</b>	VRP 100	100	127	5	209	8-25	0-79	1-75
<b>Scatterlight disc, amber</b>	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
	VRSR 100	60	165	6-5	209	8-25	1-47	3-25
<b>Clear crystal glass dish</b>	VRX 100	100	159	6-25	209	8-25	1-7	3-75
	VRX 100ES	80 Kolorlux*	159	6-25	209	8-25	1-7	3-75
<b>Large satin etched opal glass bowl</b>	VRV 100	100	175	6-87	209	8-25	1-02	2-25
	VRV 100ES	80 Kolorlux*	175	6-87	209	8-25	1-02	2-25
<b>Small satin etched opal glass bowl</b>	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.
<b>Plastic louvre</b>	VL 100
<b>Pin-hole attachment</b>	VP 100
<b>Scatterlight disc, amber</b>	VSA 100
	VSC 100
<b>Clear crystal glass dish</b>	VSR 100
	VX 100
<b>Large satin etched opal glass bowl</b>	VV 100
<b>Small satin etched opal glass bowl</b>	VZ 100

\*Available to customer's orders only.

# Recessed fittings

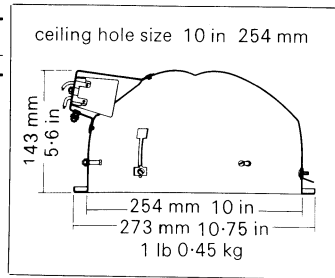
## Basic Unit VR 200

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.

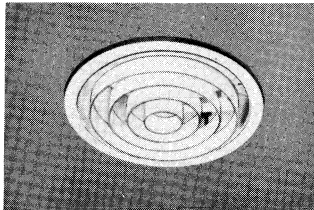
## Basic Unit

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

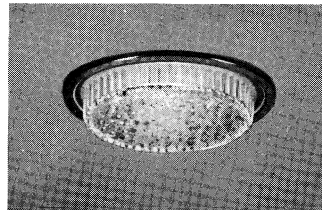
Five attachments are available, each fitted with its own support ring, and are fitted to the basic unit via three bayonet slots.



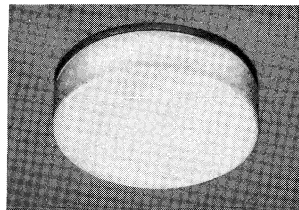
Plastic louvre



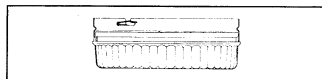
Clear crystal glass dish



Large satin etched opal glass bowl



Small satin etched opal glass bowl

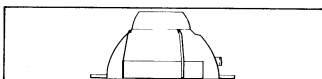
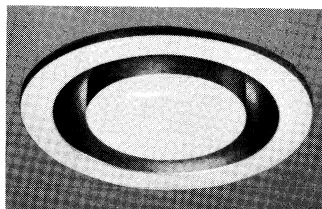
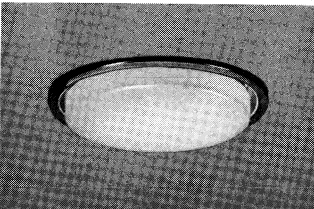


'O' lighter attachment



## '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

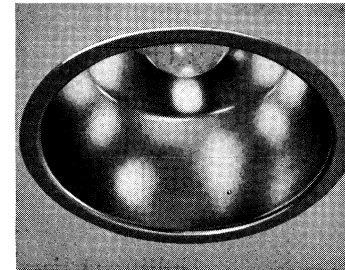
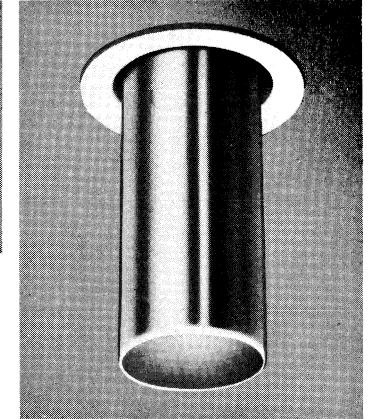
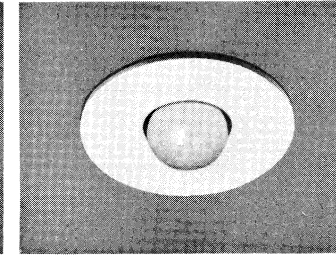
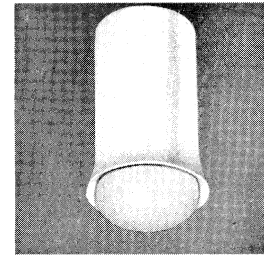
	Catalogue no.	Watts	Height mm	in	Diameter mm	in	Weight (ex lamp) kg	lb
Plastic louvre †	VRL 200	200	162	6-37	273	10-75	0-57	1-25
'O' lighter attachment †	VRO 200	200	143	5-6	273	10-75	1-02	2-25
Clear crystal glass dish	VRX 200	200/125 Kolorlux	178	7	273	10-75	2-15	4-75
Large satin etched opal glass bowl	VRY 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 and DPB 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 (DP 1040) or fixed to the ceiling surface by means of an additional bracket (DPB 1040).

## JCX/A1060 small recessed unit

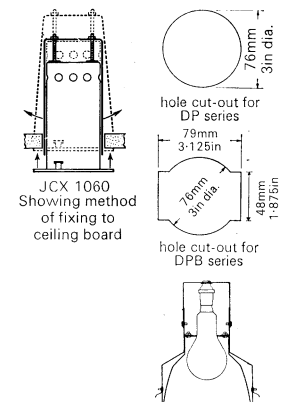
Attachments comprise a metal cylinder (copper anodized finish) and a glass supporting cylinder enabling all Chelsea range wrought glassware and Scatterlight diffusers to be fitted. Both the above attachments convert this unit to a semi-recessed one. Supplied complete with bracket for clamping direct 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
DPB 1040	40 round bulb	BC	Ceiling surface	117	4-62	76	3	—	—	0-33	0-75
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.

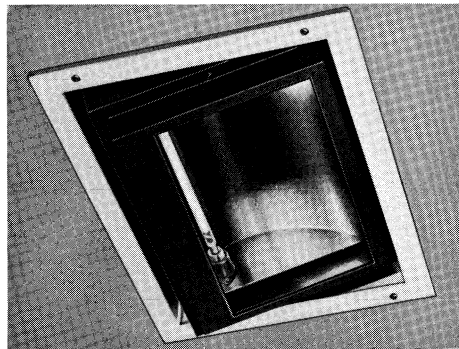
## Tungsten halogen interior floodlight

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.

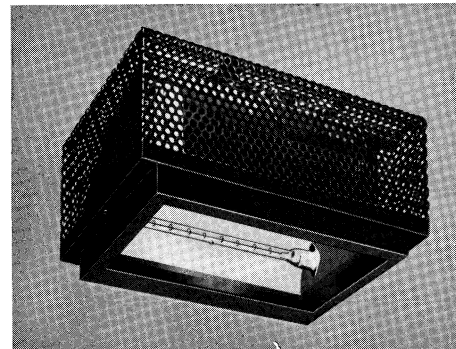
When installed to illuminate a 6ft cube an average illumination of 60 lumens per sq ft will be achieved. At the same distance fittings on about 8ft centres provide an average illumination of 90 lumens per sq ft.

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

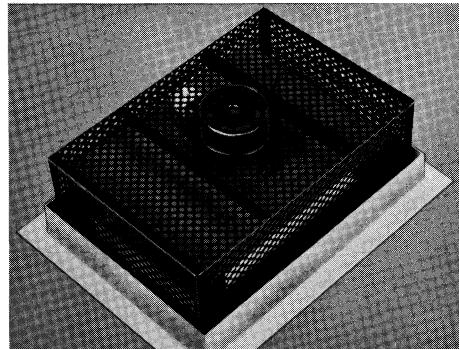
When the fitting is surface mounted a stirrup, enabling up to a 15° adjustment, is available – Cat. no. EUB. The EU.750 can also be recessed by means of a frame trim assembly – Cat. no. EUT – with provisions for a 15° adjustment. When recessing the fitting care should be taken to ensure that a void of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



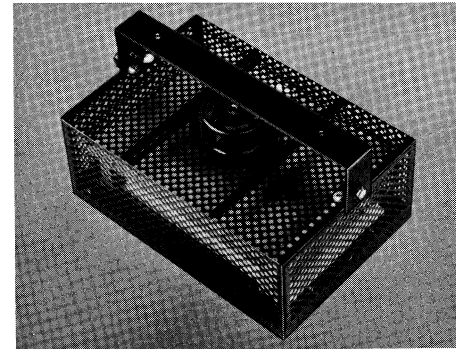
EU.750 fitted with EUT trim assembly, front view



EU.750 floodlight fitting



EU.750 fitted with EUT trim assembly, rear view



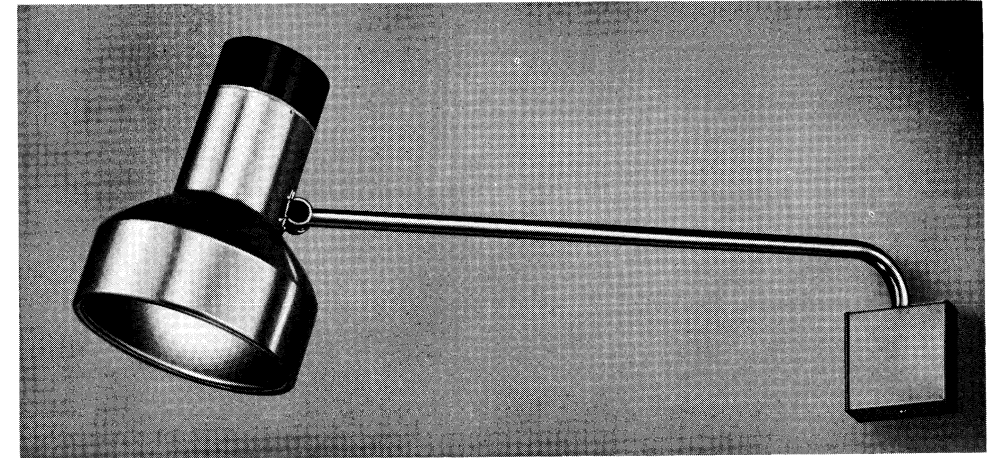
EU.750 fitted with EUB swivel bracket assembly

### Prices and dimensions

Cat. no.	Lamp watts	Length		Height		Width		Weight (ex. lamp)	
		in	mm	in	mm	in	mm	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 1219mm/4ft away using a 60W lamp – permits bed head lighting wall mounted between 1524mm/5ft and 1829mm/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.

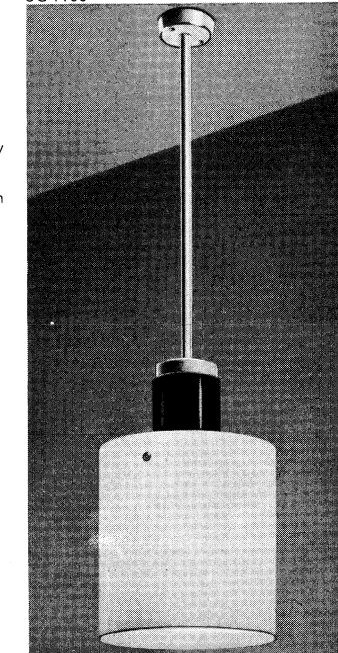
**OE 1 0075 adjustable wall fitting.**  
Matches OE 0 1060 but fitted with watch light with push switch control. Made to order only.

### OG 1150 low brightness glass fitting

Centre ward lighting fitting for mounting on 18in/457mm 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.

OG 1150



### 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.

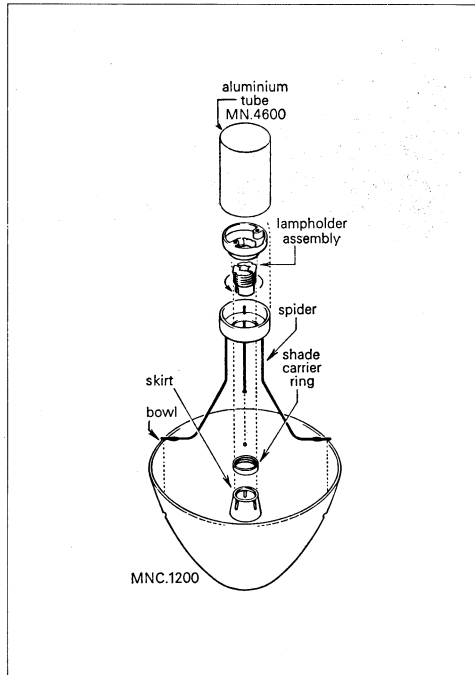
Either a 150W or 200W lamp can be accommodated in this shade which is mounted on to a metal gallery by a three-way spider.

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

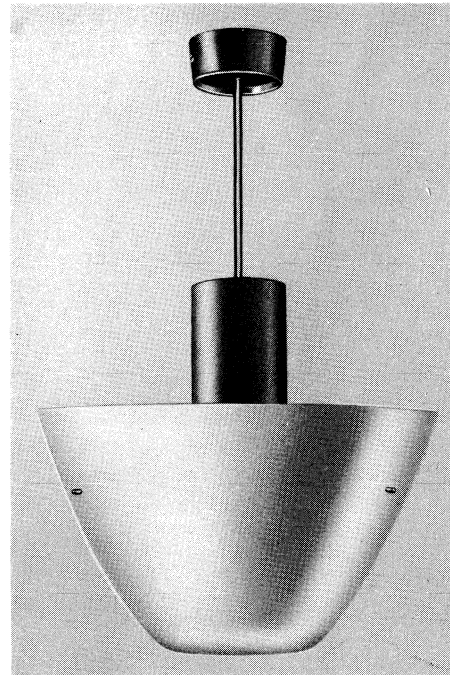
Cable suspension is by means of a black plastic ceiling plate and a 762mm/30in length of smooth black flex. A black aluminium cylinder (Catalogue no. MN 4600) is also available; this fits over the lamp gallery and provides a cover to the lamp cap and holder.



MNC.1200



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 onto walls or ceilings a lever release gallery will accept three glasses in 100W size, the NC 100 and the NL 100, and three glasses in the 200W size, the NC 200 and the NL 200. The glass is removed by a simple lever release concealed behind it.

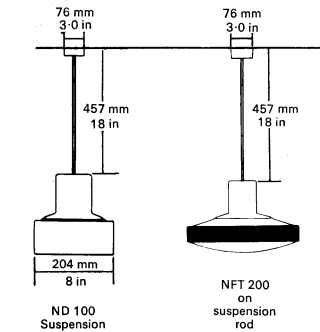
### Screw neck spheres

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

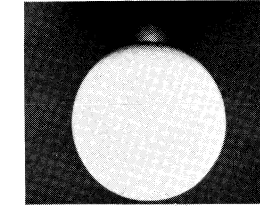
A decorative black painted metal trim (Catalogue no. NT 100 and NT 200) may be added to the NF and NL series of fittings. There is also available a metal trim for the NC and ND series, this being finished in a lacquered gun-metal colour (Catalogue no. NA 100 and NA 200). A further white opal glass is 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 page 10.46.

\*Made to customer's special order.

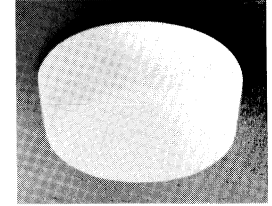


ND 100 Suspension

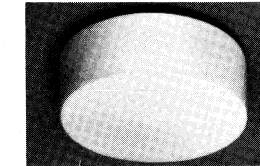
NFT 200 on suspension rod



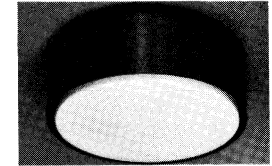
MTC1100 Screw-necked globe on white plastic gallery



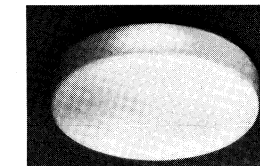
MR2100 Unit with concealed metal work



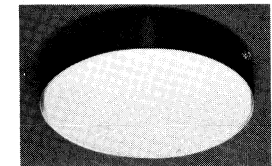
NC200



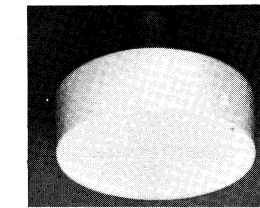
NCA200



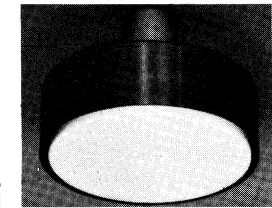
NL200



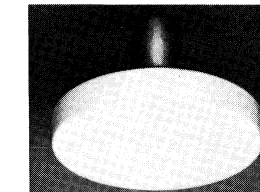
NLT200



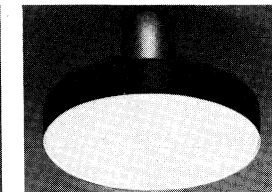
ND200



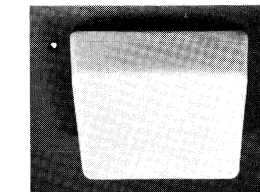
NDA200



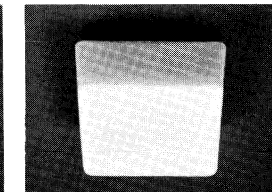
NF200



NFT200



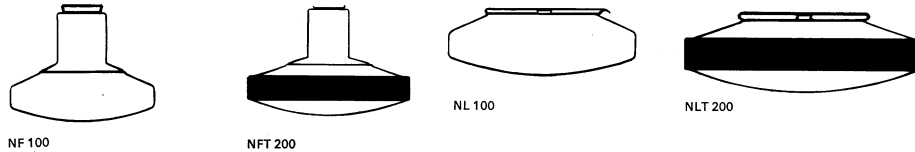
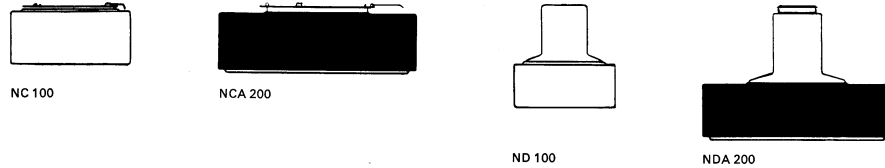
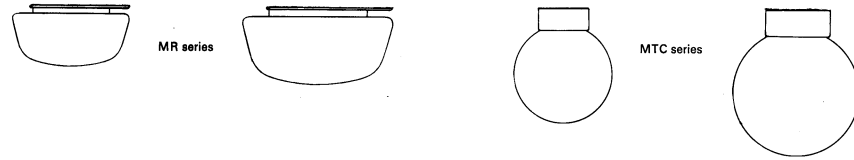
NS 200



NS 100

# Nova range

# Kolorlux package deal



### 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	2.5	NFG 100	NFB 100
NF 100ES	80 Kolorlux	ES	279	11	216	8.5	1.02	2.5	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	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

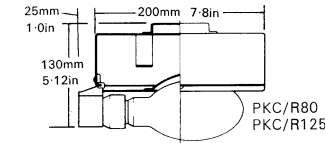
**Suspension:** ordered separately:  
 AME M6113/18 Rod suspension  
 18in/457mm. For other suspension  
 lengths alter suffix accordingly, i.e.  
 18 = 18in.

**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

The basic rack consists of a sheet metal box, finished black, containing control gear for a SON 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 51mm/2in centres grouped round a centrally placed 19mm/0.75in dia hole.

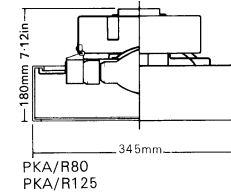


### Dimensions of complete fitting

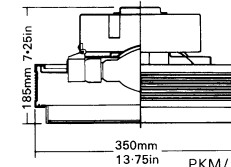
Rating	Catalogue no.	Cover	Spine pack (ex lamp) Catalogue no.	Width/Length		Height		Weight	
				mm	in	mm	in	kg	lb
80W	PKC/R80	PKC 18	PKR 80	200	7.87	130	5.12	3.17	7
125W	PKC/R125	PKC 18	PKR 125	200	7.87	130	5.12	3.17	7

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

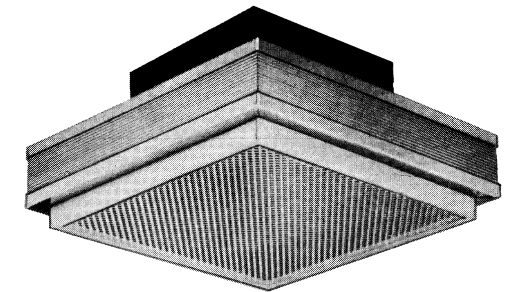
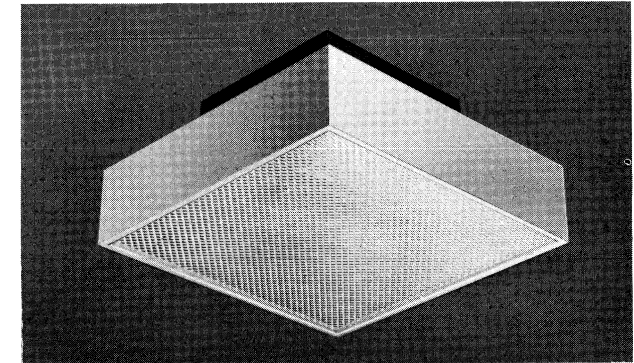
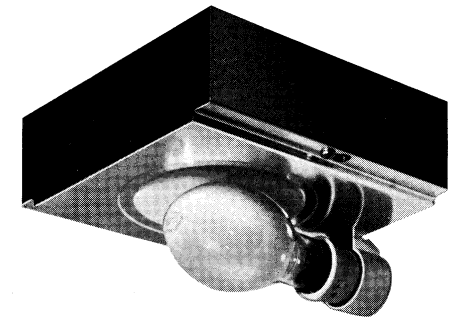
**Diffusers** with opal plastic or extruded metal sides and prismatic bases can be hooked on to a special reflector with the lamp in the horizontal position.



PKA/R80  
PKA/R125



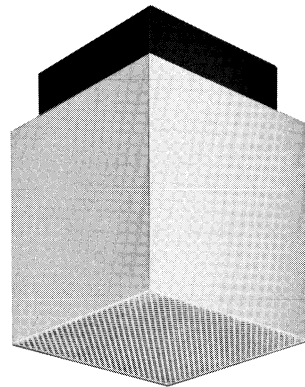
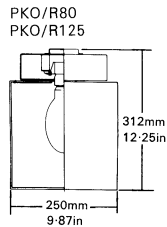
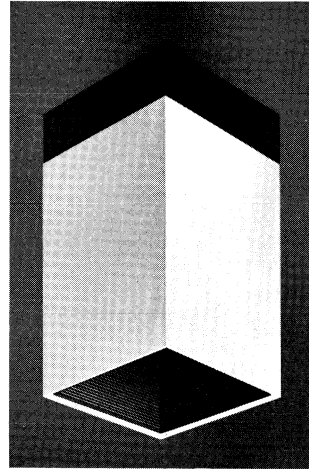
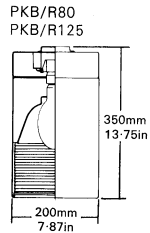
PKM/R80  
PKM/R125



For ordering details see following page

## Kolorlux packs for display purposes

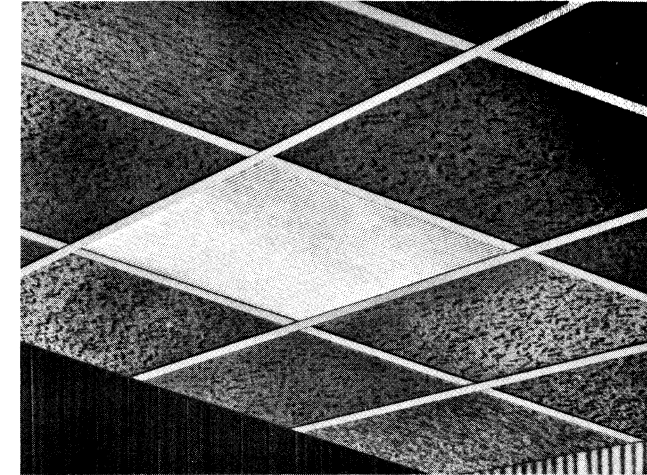
A white rectangular unit with black painted internal baffles and a polished anodized aluminium reflector and a similar unit with opal acrylic sides and prismatic base. Can be attached to the basic spine when the lamp is mounted vertically.



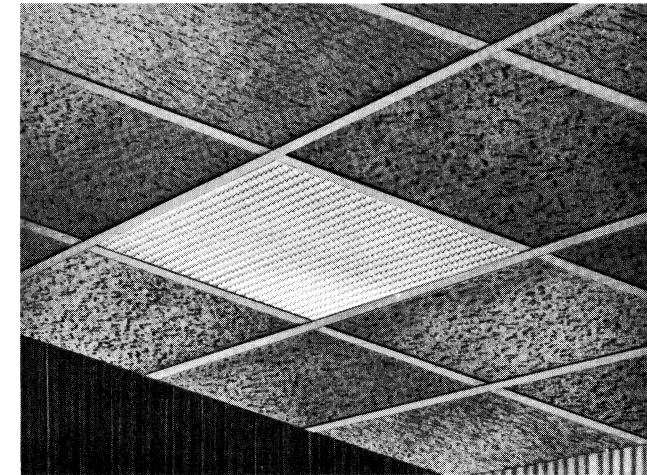
COMPLETE		COMPONENTS						
FITTING Rating	Catalogue no.	Diffuser	Catalogue no.	Spine pack Catalogue no.	Width/Length mm in	Height mm in	Weight kg lb	
80W	PRO/R80	Opal acrylic sided prismatic base	PKO 18	PKR 80	250 9-87	325 12-25	4-08 9	
125W	PKO/R125	Opal acrylic sided prismatic base	PKO 18	PKR 125	250 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 80W Kolorlux MBF (packed with spine pack) 125W Kolorlux MBF (packed with spine pack).



DKA250/A/M



DKA250/A/L

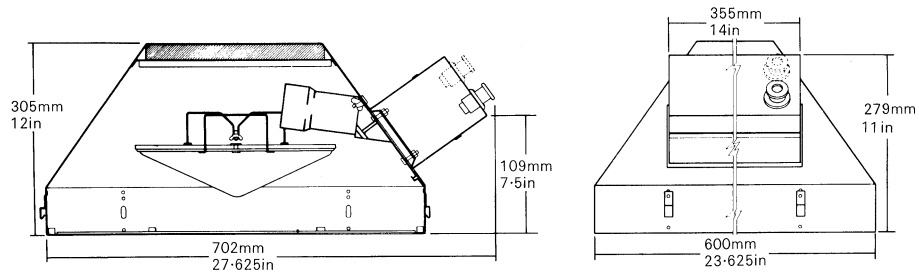
The Kolorlume range of fittings comprises a nominal 2ft x 2ft sheet steel housing designed to replace a standard ceiling tile in an exposed Tee grid ceiling system. The housing is stove enamelled with high reflectivity white gloss paint. After installing the lightweight housing by simply laying it into 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 Mercurume\* 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

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 1/2 in square mesh louvre freedom from glare.

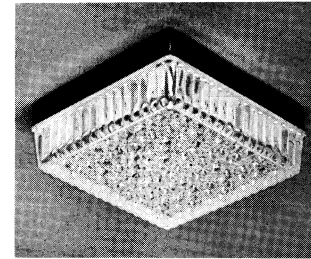
\*Mercurume is the trade mark of Holophane Co. Inc.



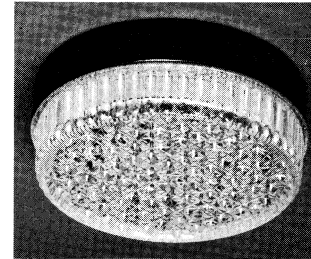
The standard fittings illustrated may be modified to special order to incorporate either (a) Maintained lighting circuit and/or (b) Emergency lighting circuit (requires separate supply). Variations can also be supplied for (c) Surface mounting or (d) Regressing ceiling trim arrangements. In addition, 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.

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

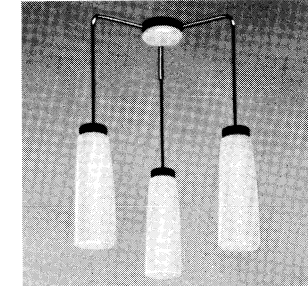
Range						
Kolorlux lamp	Lighting design lumens	Catalogue no.	Housing Catalogue no.	Gear Catalogue no.	Attachment † Catalogue no.	Approx. weight incl. lamp kg lb
125W MBF	5500	DKA125/A/M	DKAA	DKA125	DKAM	12.76 28.16
250W MBF	12000	DKA250/A/M	DKAA	DKA250	DKAM	12.5 27.56
400W MBF	21500	DKA400/A/M	DKAA	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



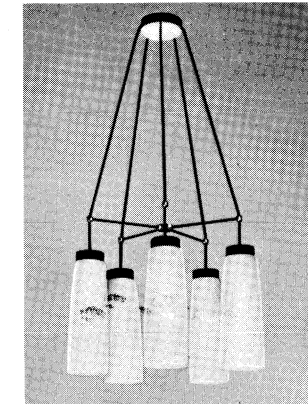
XJ2040



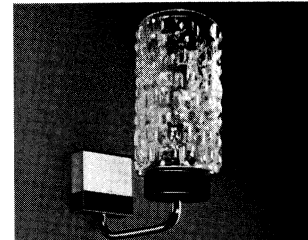
XK2040



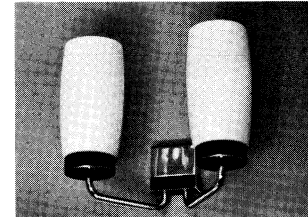
XC3 with three XUO glasses



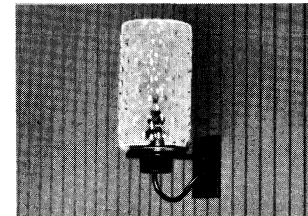
XS5 with five XUO glasses



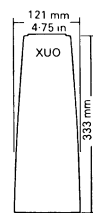
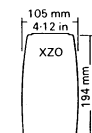
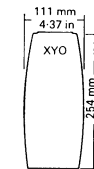
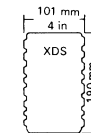
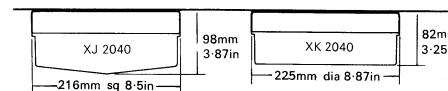
XL1 bracket with XDS glass



XL2 bracket with XZO glass



XW1 bracket with XDS glass



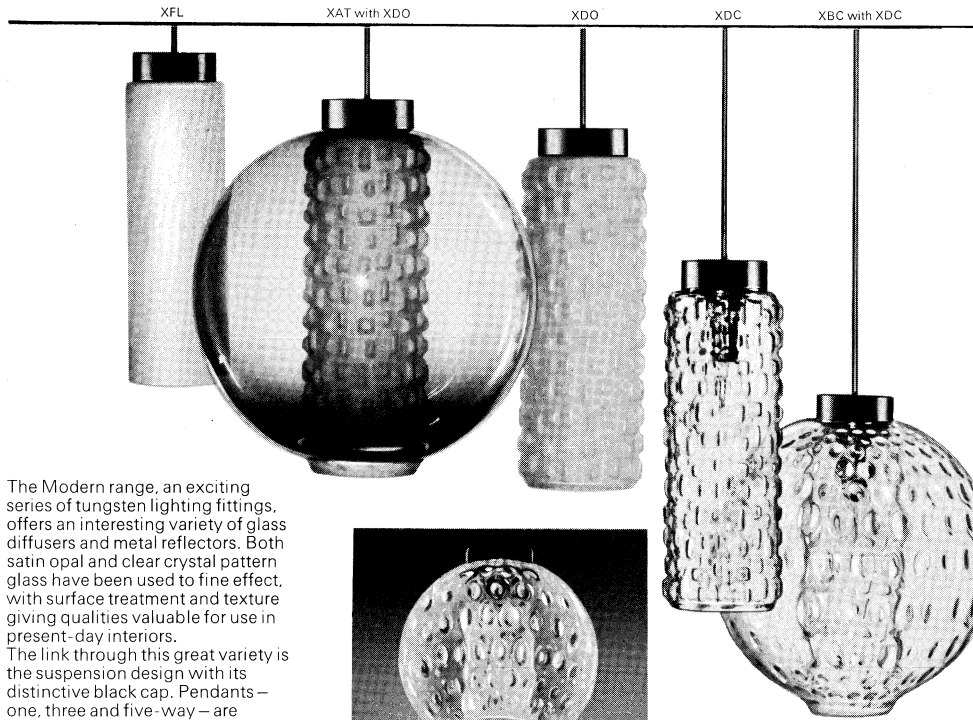
Glasses and Suspensions to be ordered separately

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

CEILING FITTING (COMPLETE FITTING)					
	Square	XJ 2040	2 x 40	7	3.15
	Round	XK 2040	2 x 40	5	2.25

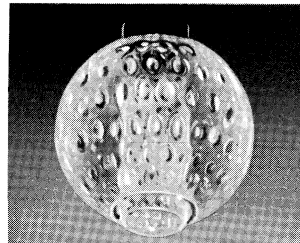
## Modern adjustable suspensions



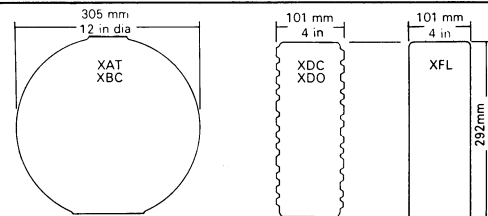
The Modern range, an exciting series of tungsten lighting fittings, offers an interesting variety of glass diffusers and metal reflectors. Both satin opal and clear crystal pattern glass have been used to fine effect, with surface treatment and texture giving qualities valuable for use in present-day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



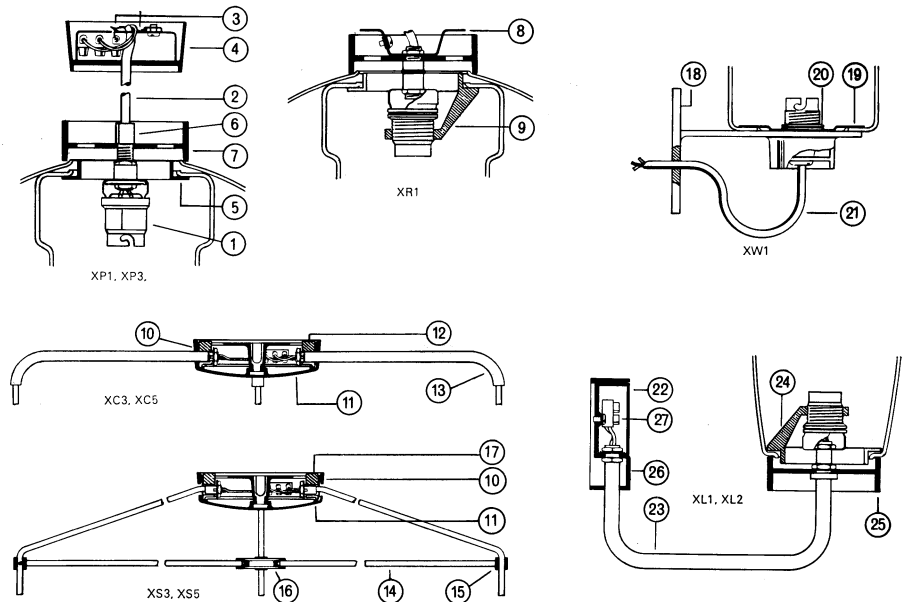
XBC with XDC using XR1



Description	Catalogue no.	Watts (max.)	Weight of fitting (ex lamp)	
			kg	lb
<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.

## Modern suspensions



### 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 an 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

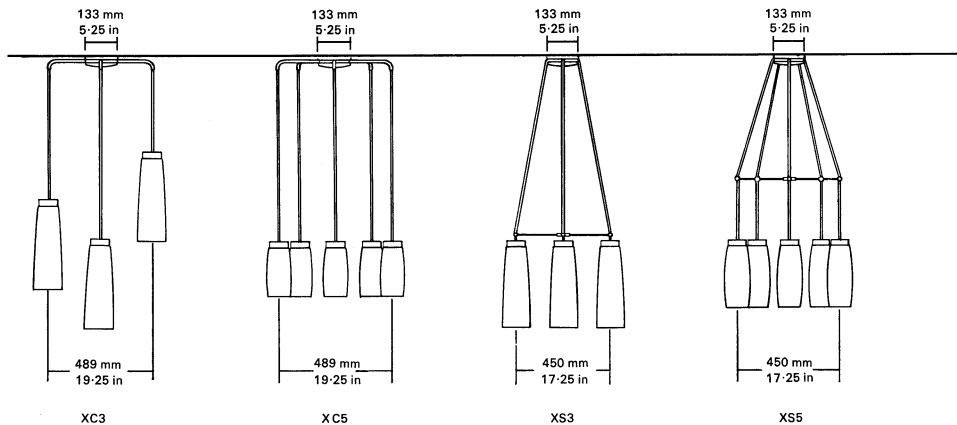
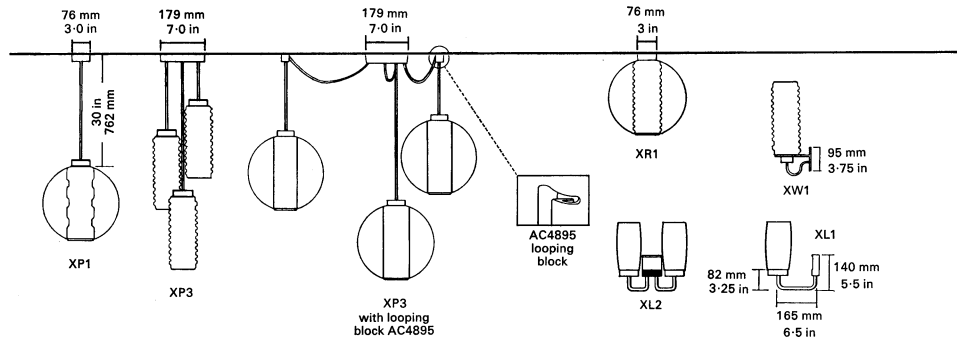
A wall mounting unit is available for use with any of the glasses up to 102mm/4in maximum diameter. The wall fixing plate casting (18) also carries a glass support cap from a slender connecting arm. The glass is retained by a clamping piece (19) secured by the shade ring (20). The black cable connection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



## Modern suspensions



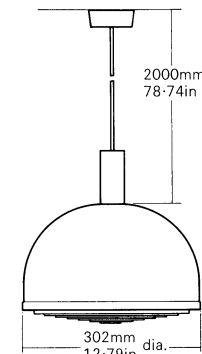
### ORDERING DETAILS OF SUSPENSIONS:

Glasses indicated are typical examples only. Glasses and suspensions to be ordered separately.

	Description	Catalogue no.	Weight (ex lamps)	
			kg	lb
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 finished chrome, and the fitting is suspended by white flex from a white plastic ceiling plate.

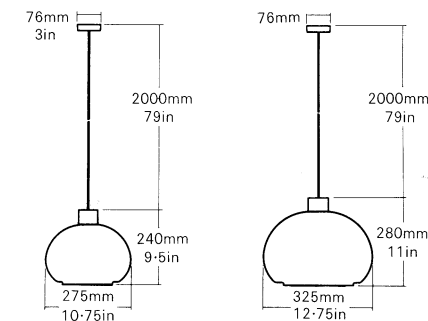


Catalogue no.	Rating (watts)	Description
XT 1100R	100	Orange spinning
XT1100W	100	White spinning

### Modern glass pendant

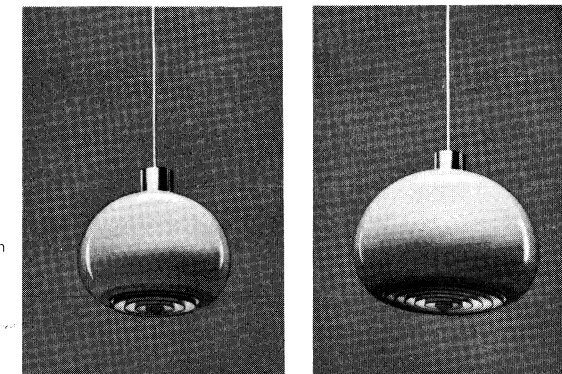
A new shape glass in two lamp sizes, 100W and 150W, and two colours, orange or white flashed opal. Suspended on single white cable from white ceiling plate; lampholder shrouded by contrasting chromium plated trim. White plastic concentric louvre for fitting in base of glass available as optional extra.

### XU GLASS LARGE AND SMALL



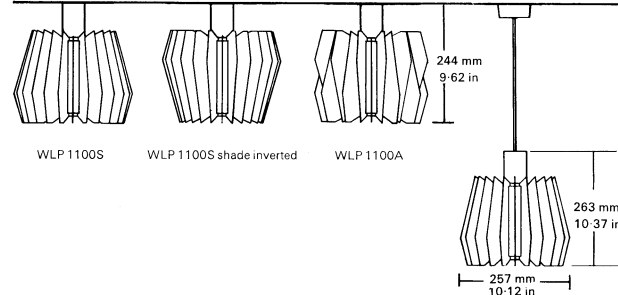
### Range

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 105W	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 chrome 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.

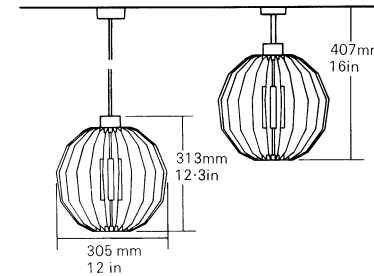


Single suspension	Fin arrangement	Catalogue no.	Lamp watts	Weight (ex. lamp)	
				kg	lb
	Asymmetrical	WLP 1100A	100	1.6	3.625
	Symmetrical	WLP 1100S	100	1.6	3.625
Close ceiling	Asymmetrical	WLC 1060A	60	1.6	3.625
	Symmetrical	WLC 1060S	60	1.6	3.625

Packed complete with clear lamp in decorative box.

# Link-lite 2 and 3

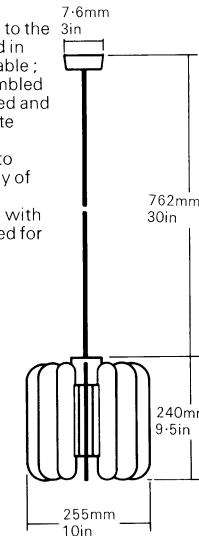
Link-lite 2 uses a 150W clear lamp to provide higher illumination without loss of form or sparkle. Available in two versions: a single pendant on a 762mm/30in length of black cable giving an overall drop of 1041mm/41in; and a close ceiling version with an overall drop of 406mm/16in. Fitted with a unique 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 cylinder fully assembled and fitted in contrasting brushed and lacquer aluminium. In a separate compartment are 14 fins and two mounting rings with easy to follow instructions for assembly of diffuser—ideal for the D.I.Y. enthusiast. Supplied complete with 100W clear lamp. Patent applied for no. 29027/71

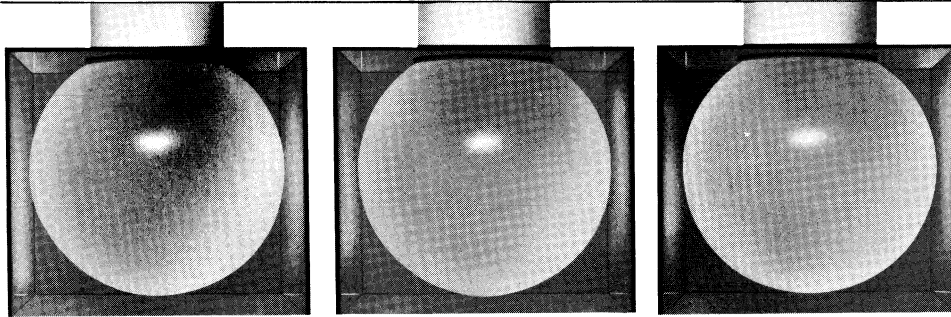


## Link-lite 3

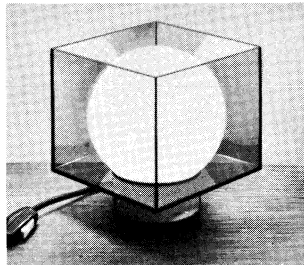
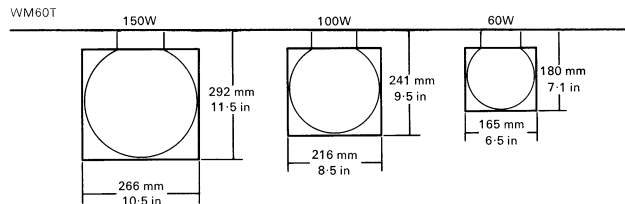
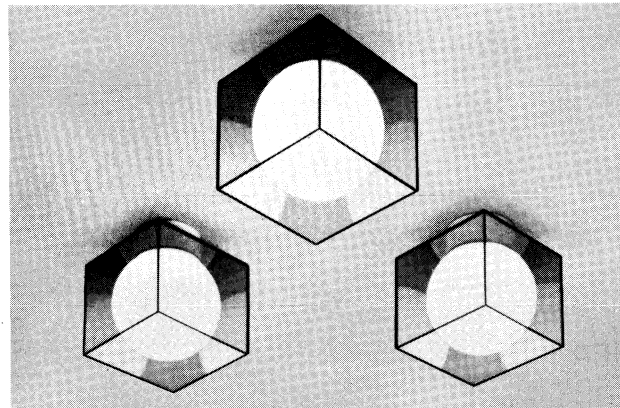
WQP 100	Single suspension unit	100	0.92	2.0625
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# Cube light

WM60A



An attractive range of decorative lighting fittings of classic simplicity. The Cube light range is built round satin etched white opal screw neck sphere to which is added a Perspex 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

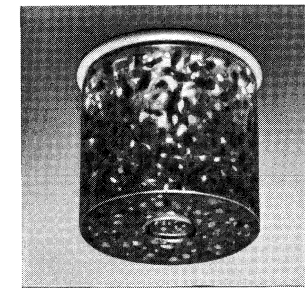
Catalogue no.	Watts	Colour	Weight (ex lamp)	
			kg	lb
WM 60A	60	Amber	0.9	2
WM 60T	60	Twilight	0.9	2
WM 100A	100	Amber	1.59	3.5
WM 100T	100	Twilight	1.59	3.5
WM 150A	150	Amber	2.49	5.5
WM 150T	150	Twilight	2.49	5.5
WMT	Table stand adaptor		0.23	0.5

# Scatter light

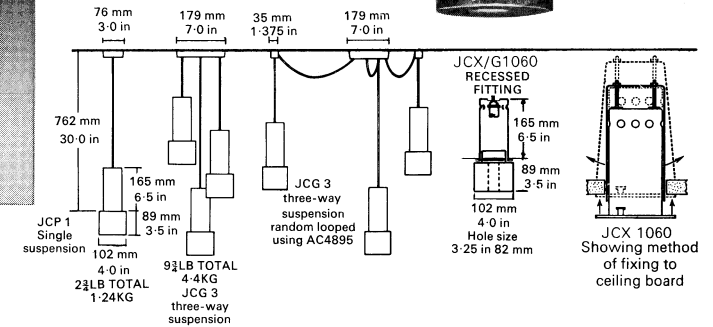
Triple pendant with SCR diffusers

2 Single Pendants with SCA diffusers

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 chrome 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 chromium sleeve 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



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

Diffuser and suspensions to be ordered separately.

# Chelsea handwrought glass

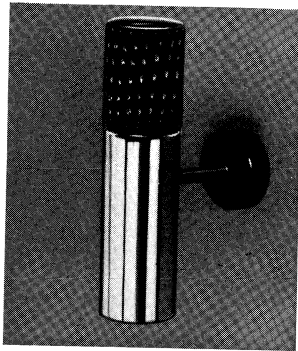
The sparkling handwrought glass is available in clear, ruby and amber in shapes that permit complete changes of lighting effect. Light is directed through the thick glass section from within a chromium plated sleeve. Available for single or three-way suspension and a matching wall bracket as well as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

## GLASSES

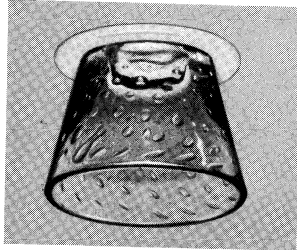
**JZ glass.** Available in clear, amber and in cased ruby. In the latter glass the bubbles are in a clear glass overlay.

**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.

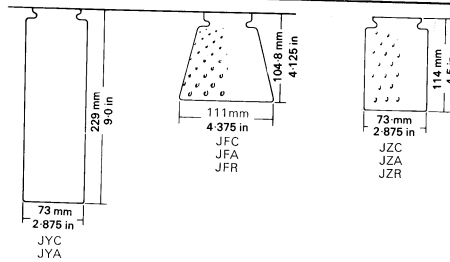
**JF glass.** Available in clear or amber and in cased ruby.



JCB1



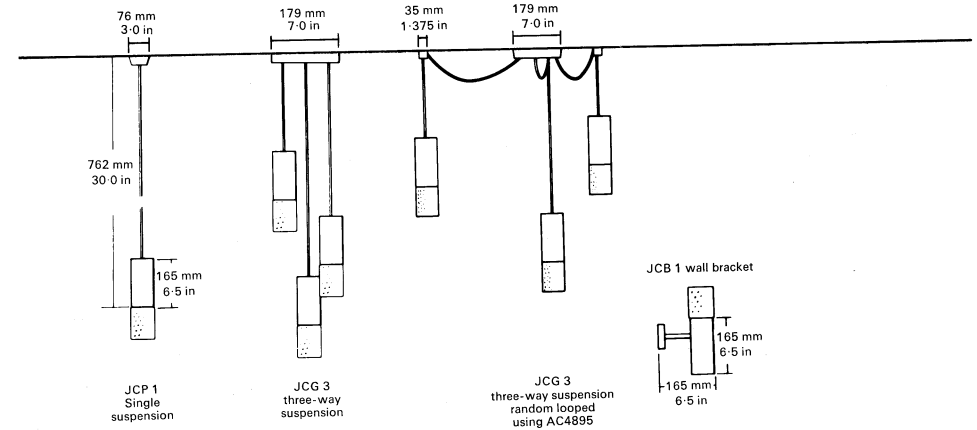
JCX/G1060



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 chromium plated 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 chromium 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 chromium plated 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
JCX/G1060		Three pendant group	1.36	3
JCX/G1060		Recessed fitting	0.34	0.75
AC 4895		Cable suspension holder	—	—