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**MIRAGE
DIRECTIONAL**



Downlighters provide light just where it is needed in display and effect applications. These stylish products combine flexibility and technical excellence with Whitecrofts' characteristic aesthetic flair

COMPASS®

Downlighters

119

Options



COMPASS
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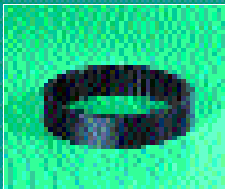
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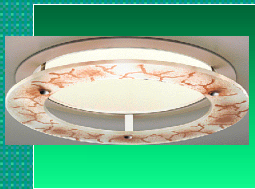
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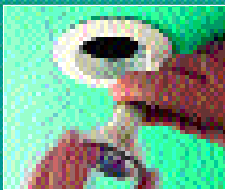
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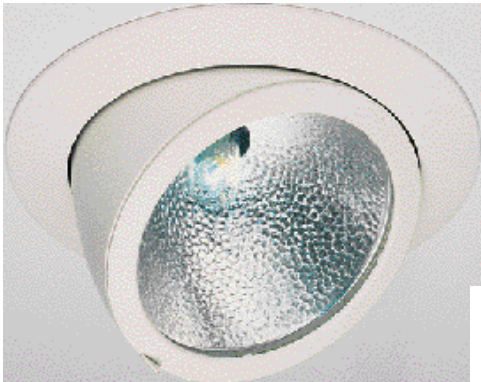
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Compass®



CD20-C70-22



CDM-T, Metal Halide



CD20-S10-11



White Son, DSX



CD20-X80-23



CD20-T10-22



Compass Downlighter shown in parked position

Compass Directional Downlighters are designed to be universally compact in size, high performance by nature and unobtrusive in position.

Compass points the way with a lighting product manufactured from precision aluminium die castings and plastic injection molded components. Engineered to meet stringent thermal management requirements yet offering an enclosed lampholder assembly to protect the lamps and provide conditions to achieve maximum lamp life.

The user and installer have been considered in equal measure. The snoot tilts to any angle between 0° and 60° ~ and stays there! The fitting rotates 340° to gain maximum coverage for the user and the easily accessible lamps are contained behind shatter-proof UV safety glass. The simplicity of the retention system will delight the installer and will accommodate any tile thickness between 1mm to 20mm.

The gearbox is designed to pass through the luminaire cut out and connect to the fitting with a plug and socket loom arrangement.

Compass is a balance between the aesthetically pleasing and the functional purpose. It is comforting to know when the day arrives to replace it with a new generation Whitecroft luminaire the components are manufactured from recyclable materials.

COMPASS DIRECTIONAL DOWNLIGHTER

The wide range of lamp options offered with Compass Directional Downlighters are totally enclosed in a thermally managed die cast aluminium housing. This also protects all internal parts from foreign fibrous particles that may cause lamps to overheat and fail prematurely. HID versions of Compass offer the safety option of a Micro Limit Switch to break the power supply during lamp maintenance.

SPECIFICATION

- Lamp changing via easily removable snoot front bezel safety glass assembly.
- Precision aluminium die cast construction.
- Twin point spring steel suspension system suitable for ceiling thickness 1-20mm.
- Flexibility: Tilt angle 0°- 60° Rotation 340°.
- Finger grip adjustment.
- Thermal management system.
- HID remote gear box with plug and socket cable connection.

ORDER CODES

CDM-T	
CD20-C35-#*	Compass Directional Downlighter including 35W CDM-T lamp and gear
CD20-C70-#*	Compass Directional Downlighter including 70W CDM-T lamp and gear
CD20-C15-#*	Compass Directional Downlighter including 150W CDM-T lamp and gear
White SON	
CD20-S10-#*	Compass Directional Downlighter including 100W White Son lamp and gear
DSX	
CD20-X80-#*	Compass Directional Downlighter including 80W DSX lamp and gear
Metal Halide	
CD20-M70-#*	Compass Directional Downlighter including 70W Metal Halide lamp and gear
CD20-M15-#*	Compass Directional Downlighter including 150W Metal Halide lamp and gear

OPTIONS

Safety switch	add suffix to order code:-
M	Micro Limit Switch safety option



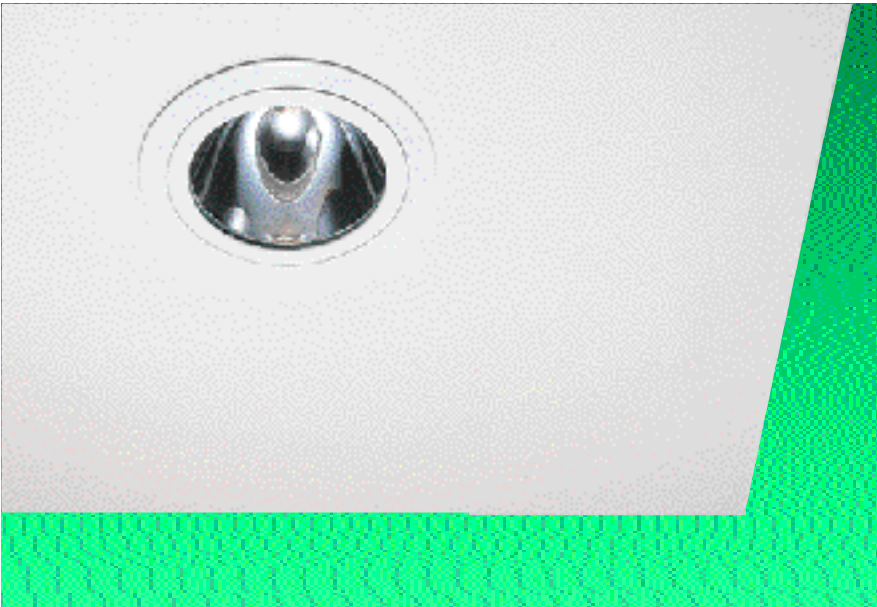
Compass®

COMPASS WITH TUNGSTEN HALOGEN CAPSULE LAMP

The Compass Downlighter with 50W, 75W and 100W Capsule lamp is available as a directional light fitting and as a fixed non-adjustable complementary luminaire.

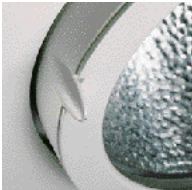
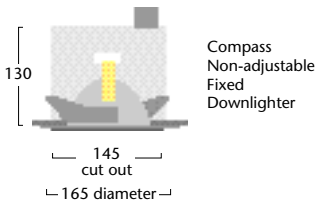
- Remote gear box dimensions:
L270mm × W160mm × H80mm.
- Transformers ~ 240V/12V remote Whitecroft transformer required for TH Capsule Downlighter only.
- All luminaires supplied complete with lamps.
- UV absorbent toughened safety glass supplied as standard on all fittings.
- Micro Limit Switch option for HID products only.
- Designed and manufactured to comply with EN60598.

ORDER CODES	
Directional Tungsten Halogen Downlighters	
CD20-T50-#*	Compass Directional Downlighter including 50W Tungsten Halogen Capsule lamp (Transformer not included)
CD20-T75-#*	Compass Directional Downlighter including 75W Tungsten Halogen Capsule lamp (Transformer not included)
CD20-T10-#*	Compass Directional Downlighter including 100W Tungsten Halogen Capsule lamp (Transformer not included)
Fixed Tungsten Halogen Downlighter	
CDF20-T50-#*	Compass Fixed Downlighter including 50W Tungsten Halogen Capsule lamp (Transformer not included)
CDF20-T75-#*	Compass Fixed Downlighter including 75W Tungsten Halogen Capsule lamp (Transformer not included)
CDF20-T10-#*	Compass Fixed Downlighter including 100W Tungsten Halogen Capsule lamp (Transformer not included)



CDF20-T10-12

OPTIONS	
Reflector type	
To specify reflector type replace # with the following:	
1	Spot Reflector
2	Flood Reflector
Colour	
To specify colour replace * with the following:	
1	Silver Grey
2	White
3	Black
Transformers	
We recommend that Compass uses the Whitecroft 105VA Electronic Transformer see page 165	
WELT105	Electronic Transformer 105VA



Finger grip adjustment



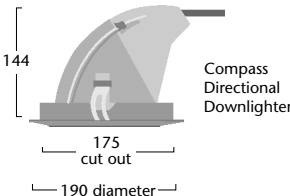
Ceiling retention system



Tilt stabilising device



Die-cast aluminium housing



FEATURES	
Lamps	
35W, 70W, 150W CDM-T	9000 hours life
100W White Son	7500 hours life
80W DSX	3000 hours life
70W, 150W Metal Halide	6000 hours life
50W, 75W, 100W TH Capsule	2000 hours life
Weights	
150W CDM-T and Metal Halide	5 Kg
All other lamp versions	4



DOWNLIGHTER FOR WHITE SON LAMP AND DSX LAMP

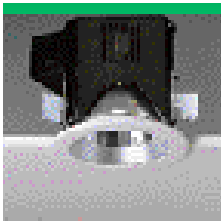


WSD9105

DOWNLIGHTER FOR SINGLE-ENDED METAL HALIDE LAMPS AND CDM-T LAMP



MHD9072



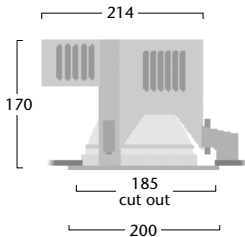
WSD9102



WSD9103

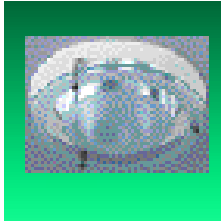


DSX9084

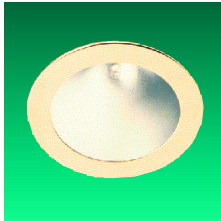


ORDER CODES	
WSD910#	White SON Downlighter and Gear
DSX908#	DSX-T 80W Downlighter and Gear
OPTIONS	
Accessories <i>please order seperately:-</i>	
MHA906F	Frosted diffusing safety glass for visual comfort
MHA908#	Suspended feature glass with bezel
Finishes <i>replace # with suffix for finish required:-</i>	
2 White	3 Black
4 Gold	5 Chrome

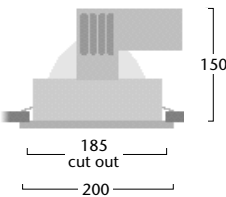
ORDER CODES	
MHD907#	70W Downlighter and Gear
MHD915#	150W Downlighter and Gear
CDM903#	35W CDM-T Downlighter and Gear
CDM907#	70W CDM-T Downlighter and Gear
CDM915#	150W CDM-T Downlighter and Gear
OPTIONS	
Accessories <i>please order seperately:-</i>	
MHA906F	Frosted diffusing safety glass for visual comfort
MHA907X	Uvilex glass for 98% V 'B' Absorption
MHA908#	Suspended feature glass with bezel
Finishes <i>replace # with suffix for finish required:-</i>	
2 White	3 Black
4 Gold	5 Chrome



MHD9072 AND MHA9082



CDM9074



FEATURES	
Lamps	
White SON SDW-T 100W	
DSX-T 80W PG12-3 Base	
DSX-T Colour Temperature 2600K or 3000K	
Weights	Kg
100W	4.2 (WSL)
80W	3.8 (DSX)
Gear	
Electronic stabiliser suitable for 230V or 240V supplies, is supplied in remote housing	

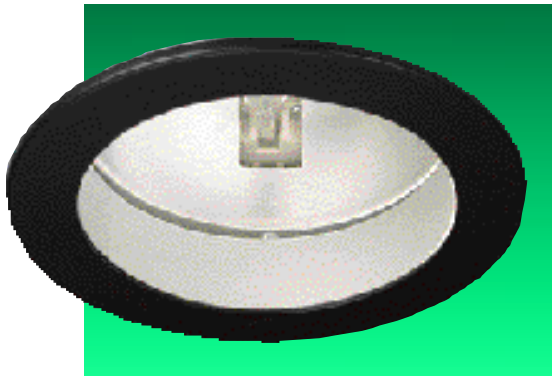
FEATURES	
Lamps	
HQI-T 70W	G12 base
HQI-T 150W	G12 base
CDM -T 35W	G12 base
CDM -T 70W	G12 base
CDM -T 150W	G12 base
Gear	
Each luminaire is supplied with individual control gear dedicated to the selected lamp wattage	
Multi-tapped ballast with full thermal protection is included	
The igniter is incorporated within the lamp housing enabling a remote positioning distance extendible to 10 metres	
Weights	Kg
35W	4.1
70W	4.3
150W	4.8



High intensity discharge downlighters

Circo

DOWNLIGHTER FOR DOUBLE-ENDED METAL HALIDE LAMPS



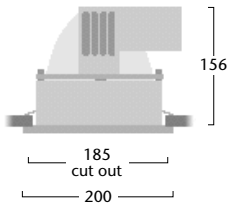
MHD8073



MHD8152



MHD8152 AND MHA906F



These Downlighters comprise a two part reflector/baffle assembly, which are supplied as standard in a semi-specular aluminium finish. For applications where limitation of reflector brightness is required, the baffle is available as an accessory in black finish to provide a 'dark cone' effect. The suspended feature glass is supplied fitted to a dedicated bezel.

ORDER CODES	
MHD807#	70W Downlighter and Gear
MHD815#	150W Downlighter and Gear

OPTIONS	
Accessories <i>please order seperately:-</i>	
MHA803B	Black secondary baffle
MHA906F	Frosted safety glass
MHA907X	UV 'B' Absorption glass
MHA908#	Feature glass with bezel

Finishes <i>replace # with suffix for finish required:-</i>			
2 White	3 Black	4 Gold	5 Chrome

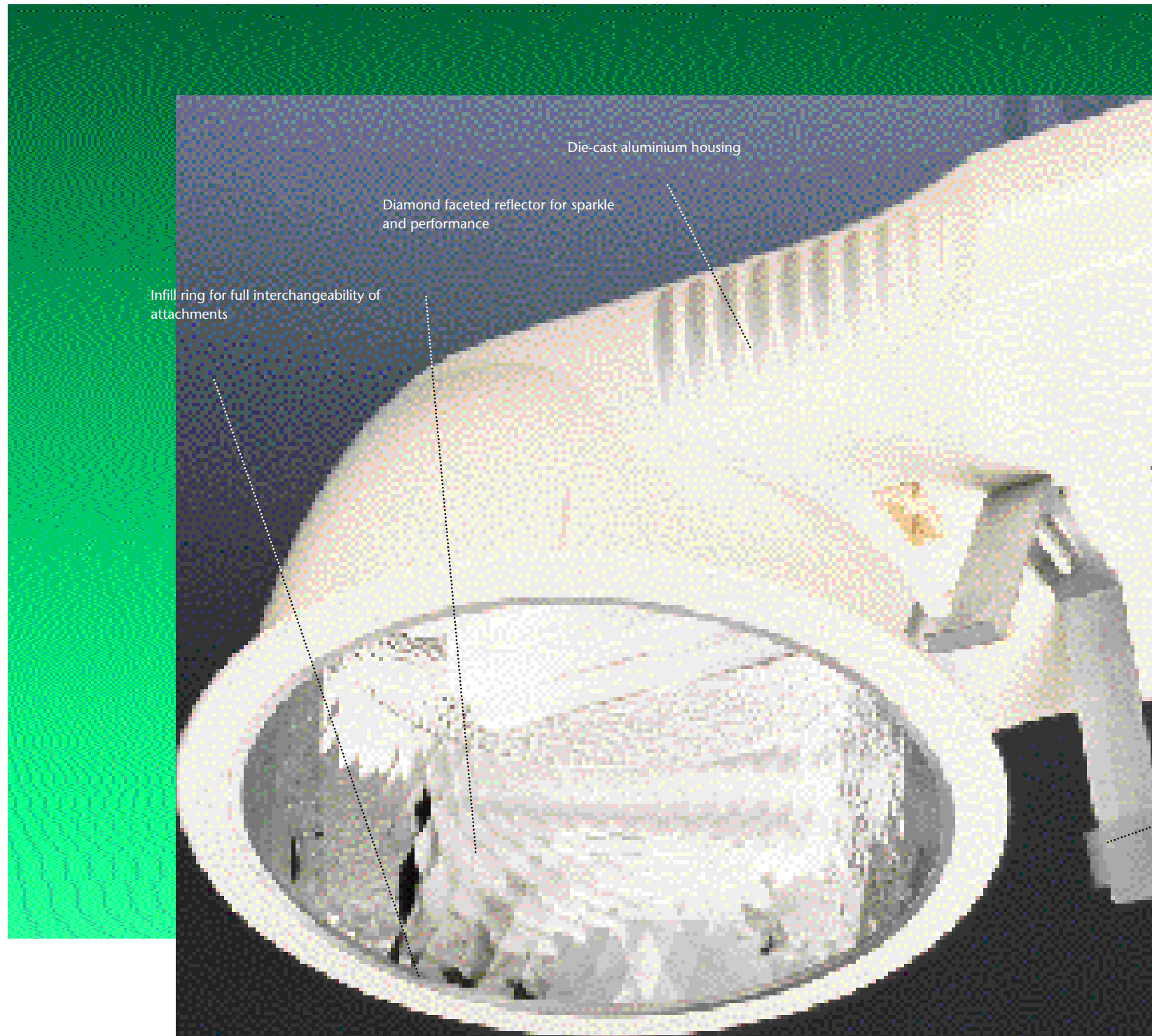
FEATURES	
Lamps	
Linear Double-Ended Metal Halide 70W or 150W	
R7s cap dedicated to the luminaire and control gear rating	
Gear	
Refer to MHD907 opposite	
Weights	Kg
70W	4.4
150W	4.9
Emergency	
Emergency versions are available using tungsten halogen emergency lamps and remote 3 Hour Emergency Powerpack	

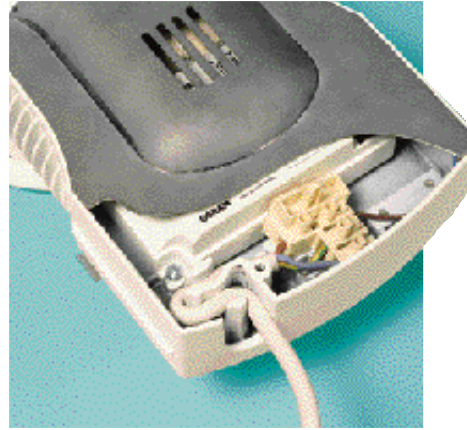
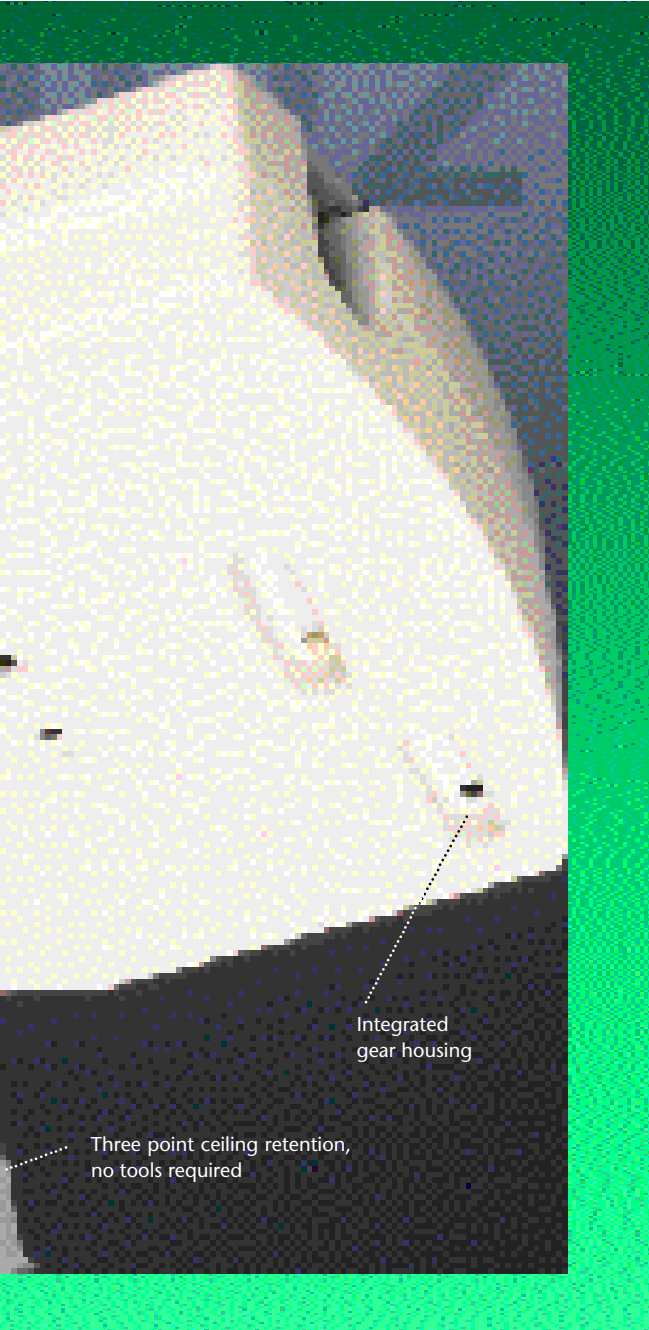
Please contact our sales desk for further information



Mirage

MIRAGE MD20





Top section showing tilted terminal block and labyrinth cable strain relief to ease installation.



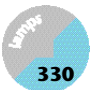
Due to its horizontal lampping and compact integrated housing, the depth of the Mirage MD20 is just 112mm. This allows it to be sited in ceiling voids otherwise considered too restrictive for fluorescent downlighters.

Mirage luminaires and their interchangeable attachments ~ including diamond-faceted reflectors, spiral louvres, and suspended glass rings in colours and patterns ~ offer the creative downlighting effects your imagination visualised but existing product ranges could not deliver.

Mirage is a concise range of circular fluorescent downlighters ~ which, in combination with various interchangeable attachments ~ offer an amazing spectrum of effects in a variety of environments. Combining low energy with high style, the Mirage range was developed in consultation with architects, designers, and specifiers. Many were keen to find something new in downlighting ~ something more exciting and versatile, but in a compact, easy-to-use format.

The result is a family of luminaires: the horizontally-lamped MD20 with an integrated gear housing, the larger MD24, and the vertically-lamped MDD24 directional downlighter. All three make clever use of attachments, for special ~ or even spectacular ~ effects, all of which are interchangeable to allow complete flexibility.

Each product is designed and built for quality, reliability, low maintenance, and ease of installation. And changing the attachments couldn't be easier.



Mirage

MIRAGE
MD20



MD20-113W



MD20-113G

The Whitecroft Mirage MD20, with its die-cast aluminium housing and wide array of interchangeable attachments, strikes an ideal balance between reliability and innovation. Designers can specify the MD20 with total confidence ~ secure in the knowledge that installation will be easy, performance will be excellent, and the lighting effects will be versatile enough to meet any need, now and in the future.

The MD20 is a horizontally-lamped downlighter produced from a precision aluminium die casting. It is

designed for all environments, including limited ceiling voids. In combination with attachments, the MD20 can give you precisely the lighting effects you require.

Its die cast aluminium housing integrates the lamp and gear. The optional diamond faceted reflector is vacuum-metallised with 99.99% pure aluminium for superior optical performance and returns LG3 Category 3 compliance.

The MD20's housing is only 112mm deep, making it easy to site in even the most awkward ceilings. Moreover, it has been engineered for simple installation and extremely low maintenance.

SPECIFICATION

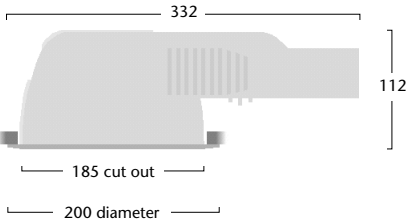
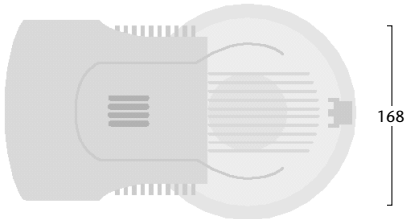
- Robust high pressure aluminium die cast construction.
- Ceiling retention by spring mechanism (2) (ceiling thickness 1-25mm).
- Tilted fused terminal block for ease of installation
- Labyrinth cable strain relief.
- Ventilated gear housing to ensure optimum operating conditions.
- F-mark compliance.
- RAL 9010 30% gloss white paint finish.
- Power factor corrected.
- 3000k TC-D lamps included as standard in all products.

MD20-113S

ORDER CODES	
MD20-113#	1 x 13W TC-D Fluorescent Downlighter
MD20-213#	2 x 13W TC-D Fluorescent Downlighter
MD20-118#	1 x 18W TC-D Fluorescent Downlighter
MD20-218#	2 x 18W TC-D Fluorescent Downlighter

Standard product supplied with Switchstar control gear

OPTIONS	
Reflectors replace # with suffix:~	
P	Plain Silver reflector (LG3 Cat 2)*
S	Silver diamond facet reflector (LG3 Cat 3)
G	Champagne Gold diamond facet reflector
W	White Plain reflector
* P is not available for 2 x 18W	
Gear add suffix:~	
N	Digital Driver
H	High frequency control gear
D	High frequency dimming control gear
E3	3 Hour maintained emergency module



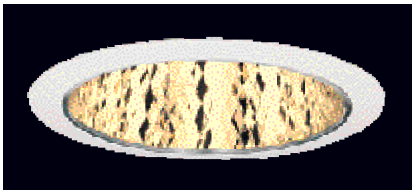
Mirage

MIRAGE MD24

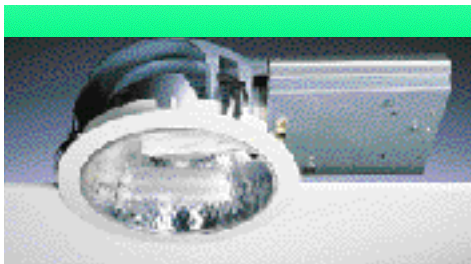
The Mirage MD24 is a horizontally-lamped downlighter with a cage housing. It will fit almost any ceiling, and can create an exciting variety of lighting effects in combination with various attachments. Its flange diameter of 240mm allows the integration of one or two 18 or 26W TC-D lamps, with superior energy efficiency



MD24-118G



MD24-218S



MD24

The MD24 includes a high pressure zinc die cast bezel, extruded aluminium gear cover and pressed steel cage housing. It also features user-friendly ratchet springs that facilitate positive retention in ceiling thicknesses from 1mm to 25mm. An

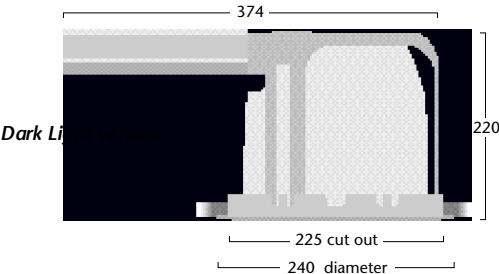
integrated removable gear tray is utilised for the 18W Switch Start and all high frequency gear versions. The 26W Switch Start luminaires are supplied with a remote mounted gear housing. The MD24 accommodates a comprehensive range of Mirage attachments. The diamond faceted reflector satisfies LG3 Category 3 requirements.

SPECIFICATION

- Robust high pressure zinc die cast bezel construction with pressed steel cage housing.
- Ceiling retention by spring mechanism (3) (ceiling thickness 1- 25mm).
- RAL 9010 30% gloss white paint finish.
- Power factor corrected.
- 3000k TC-D lamps included as standard in all products.

THE NEW MIRAGE DARKLIGHT RANGE

- Deeper luminaire with a plain specular reflector to give a dark appearance when viewed from higher angles.



ORDER CODES	
MD24-118#	1 x 18W TC-D Fluorescent Downlighter
MD24-218#	2 x 18W TC-D Fluorescent Downlighter
MD24-126#	1 x 26W TC-D Fluorescent Downlighter
MD24-226#	2 x 26W TC-D Fluorescent Downlighter
MD24-226X	2 x 26W TC-D Dark Lighter
MD24-132TH	1 x 32W TC-T Dark Lighter
MD24-142TH	1 x 42W TC-T Dark Lighter

Standard product supplied with Switchstar control gear

OPTIONS	
Reflectors replace # with suffix:~	
P	Plain Silver reflector (LG3 Cat 2)* (172 mm deep)
S	Silver diamond facet reflector (LG3 Cat 3)
G	Champagne Gold diamond facet reflector
* The 'P' reflector luminaire is 172mm deep	
Gear add suffix:~	
N	Digital Driver
H	High frequency control gear
D	High frequency dimming control gear
E3	3 Hour maintained emergency module



Mirage attachments

**TECHNICAL LOUVRE, OPAL
DIFFUSER & SPIRAL LOUVRE**

Unique attachments for the Mirage MD20 and MD24 can create whatever downlighting effect you have in mind ~ as well as a few surprises.

The **Technical Louvre** optimises lighting efficiency whilst minimising glare. When added to the LG3 Category 3-standard Mirage downlighter, this louvre brings it into full compliance with LG3 Category 2 and DIN 5035 60°.

With the **Opal Diffuser**, the Mirage becomes the ideal light source for less-than-perfect environments. With IP44 compliance it is well suited to high humidity areas such as shower rooms and kitchens, and to dusty places such as factories and workshops.

The unique **Spiral Louvre** brings a new dimension to luminaire design ~ finished in white, it limits brightness at high angles whilst giving an exciting and interesting appearance to the luminaire when viewed at different angles.

SPECIFICATION

- **Technical Louvre**
Injection-moulded cross formation component, vacuum metalised for a specular surface finish.
- **Opal Diffuser**
IP44 opal diffuser with curved profile to provide subtle dome effect.
- **Spiral Louvre**
Unique, innovative injection-moulded design reduces glare. Available with the MD20 only.

OPTIONS

Add the following suffix to luminaire code for options:~

MDA20-10	Technical Louvre	MDA24-10
MDA20-20	IP44 Opal Diffuser*	MDA24-20
MDA20-30	Spiral Louvre	

*Opal diffusers must be purchased complete with luminaire for twin 13W and 18W fittings, see below:~

ORDER CODES

MD20-213W/IP44	2 × 13W TC-D Fluorescent Downlighter
MD20-218W/IP44	2 × 18W TC-D Fluorescent Downlighter
MD24-218S/IP44	2 × 18W TC-D Fluorescent Downlighter

SPECIALS

As Whitecroft customers would expect ~ if you have any special requirements for lighting effects that cannot be met with existing products, we will be pleased to develop custom-made products on your behalf.



MDA20-10

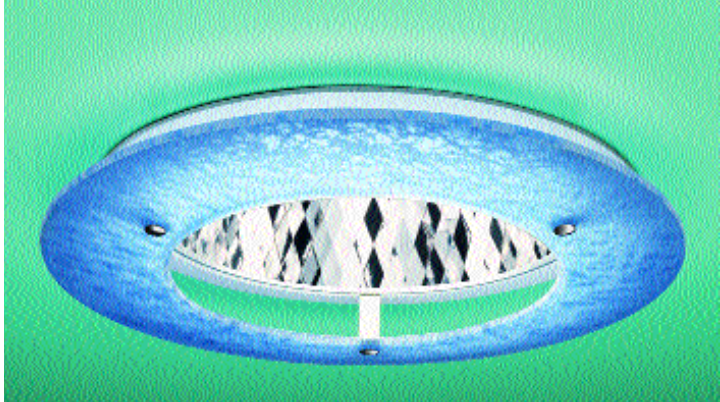


MDA20-20

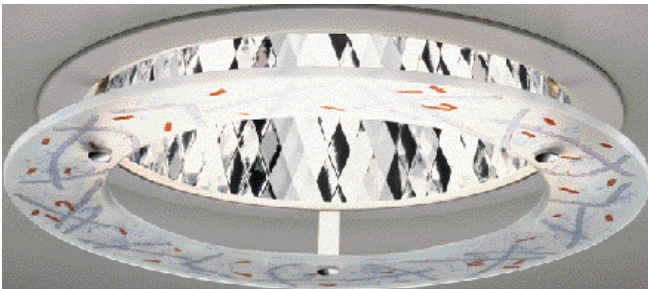


MDA20-30

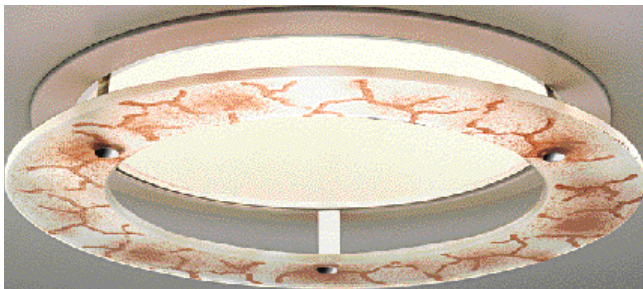




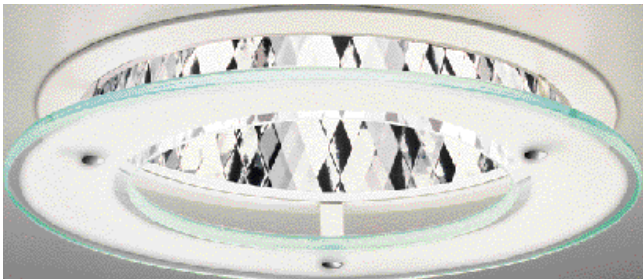
MDA20-47



MDA20-50



MDA20-51



MDA20-61

GLASS RING

The simple addition of a suspended **Glass Ring** attachment brings to the Mirage downlighter the extra benefits of colour, texture, shape, focus ~ as well as light reflected back onto the ceiling. A considerable range of patterns and colours are available to give you the maximum choice of creative effects.

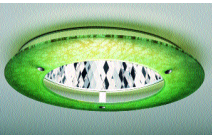
The Mirage luminaires' advanced design and engineering permits the easy fitting of all attachments. And after fitting, the attachments can be readily removed or replaced with others ~ protecting the user's investment over a longer period.

ORDER CODES		
Add the following suffix to luminaire code for options		
MDA20-40	Dished feature glass - White	MDA24-40
MDA20-41	Dished feature glass - Green	MDA24-41
MDA20-42	Dished feature glass - Coral	MDA24-42
MDA20-43	Dished feature glass - Magenta	MDA24-43
MDA20-44	Dished feature glass - Purple	MDA24-44
MDA20-45	Dished feature glass - Black	MDA24-45
MDA20-46	Dished feature glass - Yellow	MDA24-46
MDA20-47	Dished feature glass - Blue	MDA24-47
MDA20-50	'Jazz' flat ring	MDA24-50
MDA20-51	'Scorch' flat ring Magenta	MDA24-51
MDA20-52	'Scorch' flat ring Green	MDA24-52
MDA20-61	Etched glass ring – Design 1	MDA24-61
MDA20-62	Etched glass ring – Design 2	MDA24-62
MDA20-63	Etched glass ring – Design 3	MDA24-63

MDA20-40



MDA20-41



MDA20-42



MDA20-43



MDA20-44



MDA20-45



MDA20-46



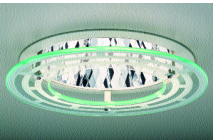
MDA20-52



MDA20-62



MDA20-63



Mirage

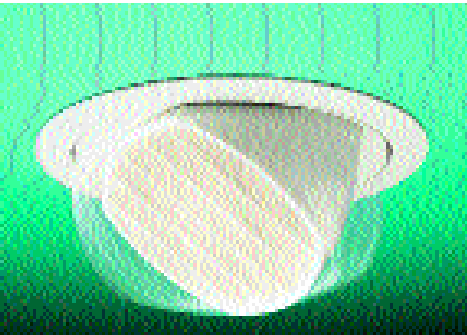


The Mirage MDD24 is our directional fluorescent downlighter ~ ideal for lighting vertical surfaces as a 'wall washer', or for illuminating merchandising in retail settings.

MIRAGE
MDD24 DIRECTIONAL



Using the tilt grooves, simply click the lamp to the desired tilt, from 0° to 40°.



Offering a rotation of 355°, and showing the White louvre.

ORDER CODES	
MDD24-210#	2 × 10W TC-D Fluorescent Downlighter
MDD24-218#	2 × 18W TC-T Fluorescent Downlighter
Standard product supplied with Switchstar control gear	

OPTIONS	
Louvres replace # with suffix~	
W	White louvre
S	Specular louvre
Gear add suffix:~	
N	Digital driver
H	High frequency control gear

The MDD24 excels in its directional flexibility. Its die cast inner ring and moveable lamp housing allow up to 355° of rotation and up to 40° of tilt. But all this movement is anchored in an especially solid construction, including a pressed steel and extruded aluminium cage housing.

Although it is vertically-lamped, the MDD24 uses the small, new TC-T triple-cluster fluorescent lamps. This compact design enables it to fit a ceiling void depth of just 172mm.

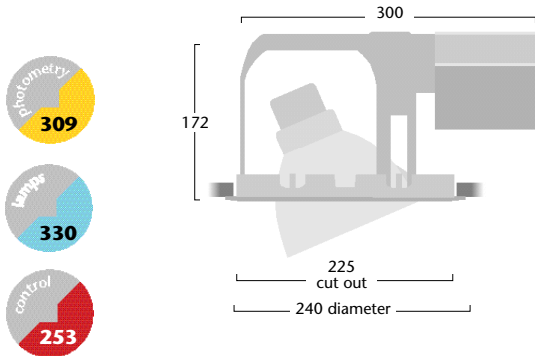
The Mirage MDD24 Directional Downlighter comes with a vacuum-metallised specular reflector for maximum lighting efficiency.

The luminaire is finished with either a white or specular louvre to limit visibility of the lamps when viewed from a high angle.

SPECIFICATION	
• Robust high pressure zinc die cast construction with injection-moulded ABS lamp housing.	
• Ceiling retention by spring mechanism (3) (ceiling thickness 1-25mm).	
• RAL 9010 30% gloss white paint finish.	
• Power factor corrected.	
• 3000k TC-D or TC-T lamps included as standard in all products.	



New Compact Fluorescent lamp technology enables Mirage to take advantage of vertically mounted lamps within a minimal depth.



Mirage

MIRAGE MD15



MD15-113G

The small, vertically-lamped MD15 fluorescent downlighter is intended for areas where a lower level of light or a small flange diameter are needed ~ for example, in corridors and lavatories. The housing is a robust pressed steel, construction. Options include a Champagne Gold Reflector.

The Mirage MD15 complies with LG3 Category 3.

SPECIFICATION

- Robust pressed steel construction.
- Ceiling retention by spring mechanism (ceiling thickness 1-25mm).
- RAL 9010 30% gloss white paint finish.
- Without power factor correction.
- 3000k TC-D lamps included as standard in all products.

ORDER CODES

MD15-110#	1 x 10W TC-D Fluorescent downlighter
MD15-113#	1 x 13W TC-D Fluorescent downlighter

Standard product supplied with Switchstar control gear

OPTIONS

Reflector replace # with suffix:~

S	Silver plain reflector
G	Champagne Gold plain reflector

Gear add suffix:~

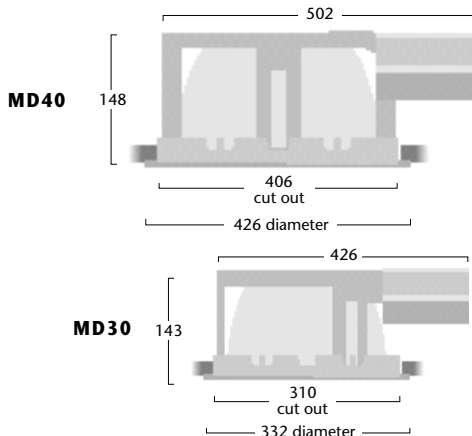
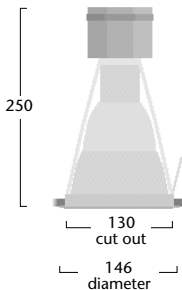
N	Digital driver
H	High frequency control gear

EMERGENCY CODE

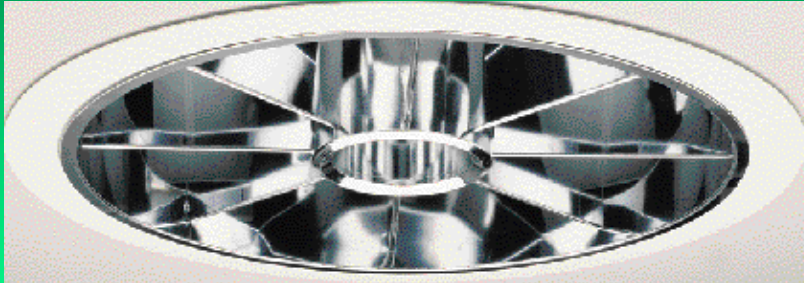
E3	3 hour maintained emergency module
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MD15-113S



MIRAGE MD30 AND MD40



MD40-426SHT

The white-coated steel chassis and gear housings ensure reliability and low-maintenance. Made for ceilings of between 1mm and 25mm in thickness, the Mirage MD30 and MD40 are simple and quick to install and maintain using positive spring-retention clips.

The specular finished bladed louvres, combined with the two-piece specular aluminium reflector, satisfy LG3 Category 2 and DIN 5035 60°. The MD30 offers a choice of two or three 26W TC-D lamps, with a 300mm diameter (nominal) flange. The MD40 houses four 26W TC-D lamps, with a 400mm diameter (nominal) flange.

SPECIFICATION

- Robust construction.
- Three-point ceiling retention by spring mechanism (ceiling thickness 1-25mm) for ease of installation.
- RAL 9010 30% gloss white paint finish.
- Power factor corrected.
- 3000k TC-D lamps included as standard in all products.

ORDER CODES

MD30-226S	2 x 26W TC-D Fluorescent downlighter with Switchstart gear
MD30-226SH	2 x 26W TC-D Fluorescent downlighter with High frequency
MD30-326SH	3 x 26W TC-D Fluorescent downlighter with High frequency
MD40-426SH	4 x 26W TC-D Fluorescent downlighter with High frequency

OPTIONS

Gear add suffix to order code for options:~

N	Digital driver
D	High frequency dimming control gear

Louvres add the following suffix to luminaire code for options:~

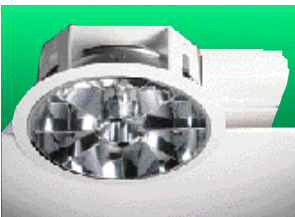
T	Turbo, eight blades
Q	Cross, four blades (MD30 only)

Both options comply to LG3 Category 2 and DIN 5035 60°

EMERGENCY CODE

E3	3 hour maintained emergency module
----	------------------------------------

As Whitecroft's high-lumen package fluorescent downlighters, the Mirage MD30 and MD40 are ideal for retail or office environments where higher levels of lighting are required.



MD40-426SHT



MD30-326SHT

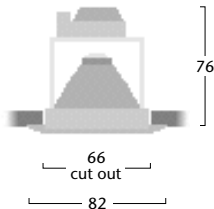


MD30-226SHQ



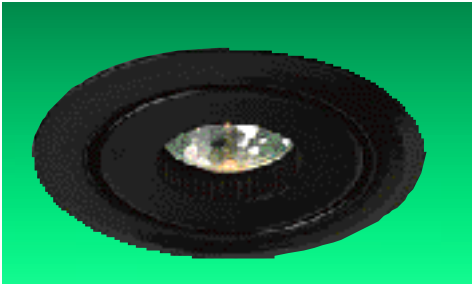
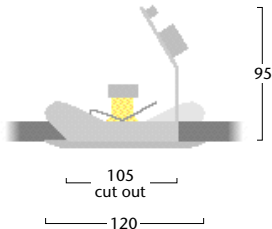
LDR

LDR100
MICRO DOWNLIGHTER



LDR1002

LDR200
MINI DOWNLIGHTER



LDR2003 AND LDA1033

Classic simplicity of design is the keynote of the new Micro Downlighter. Manufactured from pressure die cast aluminium with simple to install lamp mechanism for easy maintenance. Incorporating terminal cover to meet current IEE wiring regulations.

ORDER CODES	
LDR1002	Micro Downlighter White
LDR1003	Micro Downlighter Black
LDR1004	Micro Downlighter Gold
LDR1005	Micro Downlighter Chrome

Mini Downlighters incorporate our unique 'Click-Catch' system. When access is required for lamp or accessory fitting, the central body section is simply pushed upwards to disengage automatically. This luminaire also incorporates a terminal cover to meet current IEE wiring regulations.

ORDER CODES	
LDR2002	Mini Downlighter White
LDR2003	Mini Downlighter Black
LDR2004	Mini Downlighter Gold
LDR2005	Mini Downlighter Chrome
LDR20E2	Mini Downlighter White with LED mounting for use with EPL16E3



LDR1003



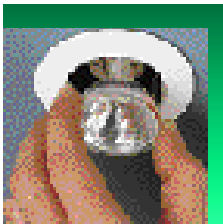
LDR1004



LDR1005



Quick release



Lamp removal

OPTIONS	
LDA1033	Anti-glare baffle ~ LDR200 only
LDA1044	Glass feature tube ~ LDR200 only
Twist and lock add suffix:~	
/TAL Twist and lock option	
See page 139 for options	



LDR2002



LDR2004



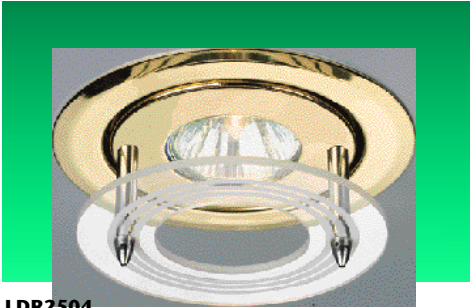
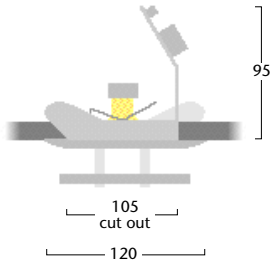
LDR2005 AND LDA1033

FEATURES	
Lamps	
12V 50mm dichroic lamp 20, 35 or 50W	
GX/GU5.3 base	
Installation	
Ceiling thickness of 0.7 – 25mm accommodated	
Transformers see page 158	
240V/12V remote Whitecroft transformer	
Emergency see page 166	
Emergency Powerpack EPL16E3.	



LDR

LDR250
MINI DOWNLIGHTER WITH SUSPENDED
DECORATIVE TRIM

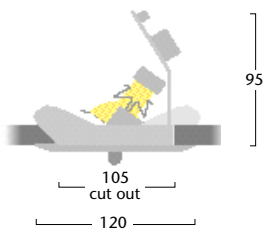


LDR2504

LDR270
MINI WALLWASHER



LDR2705



LDR2502



LDR2503

Variations of the low voltage Downlighters, featuring a decorative trim. Without affecting beam performance, the lighting effect produced by the trim offers a further dimension to the interior design.

ORDER CODES	
LDR2502	Mini Downlighter and trim White
LDR2503	Mini Downlighter and trim Black
LDR2504	Mini Downlighter and trim Gold
LDR2505	Mini Downlighter and trim Chrome
LDR25E2	Mini Downlighter and trim White with LED mounting for use with EPL16E3`

The Mini Wallwasher rotates through 355° with the orientation lever enabling full tilt control through 45°, from below. The Whitecroft 'Click-Catch' system is used to retain the inner body enabling simple lamp replacement.

ORDER CODES	
LDR2702	Mini Wallwasher White and adjustment lever
LDR2703	Mini Wallwasher Black and adjustment lever
LDR2704	Mini Wallwasher Gold and adjustment lever
LDR2705	Mini Wallwasher Chrome and adjustment lever
LDR2742	Mini Wallwasher White
LDR2743	Mini Wallwasher Black
LDR2744	Mini Wallwasher Gold
LDR2745	Mini Wallwasher Chrome

OPTIONS	
Twist and Lock	Add suffix:~
/TAL	Twist and lock lamp option
See page 139for options	



LDR2742



LDR2743



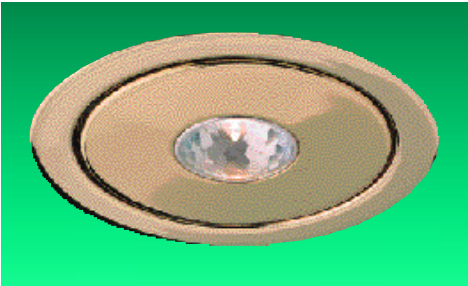
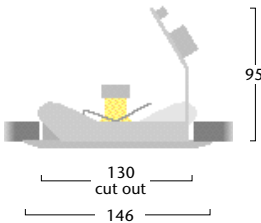
LDR2704

FEATURES	
Lamps	
12V 50mm dichroic lamp 20, 35 or 50W	
GX/GU5.3 base	
Installation	
Ceiling thicknesses of 0.7 – 25mm accommodated	
Transformers	see page 158
240V/12V remote Whitecroft transformer	
Emergency	see page 166
Emergency Powerpack EPL16E3	



LDR

LDR300
MODULAR DOWNLIGHTER

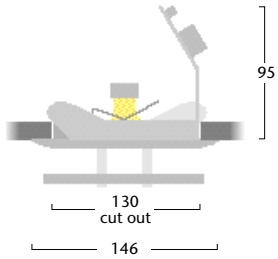


LDR3004

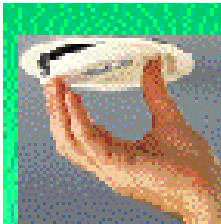
LDR350
MODULAR DOWNLIGHTER WITH
SUSPENDED DECORATIVE TRIM



LDR3505



LDR3005



'Click-Catch' system

Ideally suited for integrated lighting decor when used with Whitecroft directional Modular Downlighters. This fixed position luminaire accepts an anti-glare baffle and glass feature tube accessories. The Whitecroft 'Click-Catch' system is incorporated to provide easy access for lamp or accessory fitting.

ORDER CODES	
LDR3002	Modular Downlighter White
LDR3003	Modular Downlighter Black
LDR3004	Modular Downlighter Gold
LDR3005	Modular Downlighter Chrome
LDR30E2	Modular Downlighter White with LED mounting for use with EPL16E3

Variations of the low voltage Downlighters, featuring a decorative trim. Without affecting beam performance, the lighting effect produced by the trim offers a further dimension to the interior design.

ORDER CODES	
LDR3502	Modular Downlighter and trim White
LDR3503	Modular Downlighter and trim Black
LDR3504	Modular Downlighter and trim Gold
LDR3505	Modular Downlighter and trim Chrome
LDR35E2	Modular Downlighter and trim White with LED mounting for use with EPL16E3



LDR3502

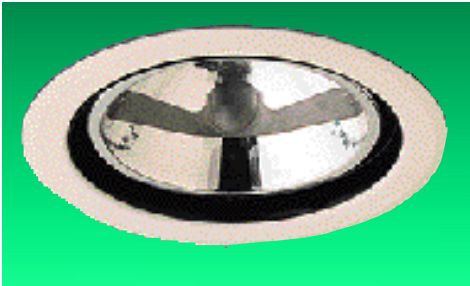
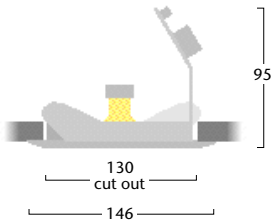
OPTIONS	
LDA1033	Anti-glare baffle ~ LDR300 only
LDA1044	Glass feature tube ~ LDR300 only
Twist and lock add suffix:~	
/TAL Twist and lock option	
See page 139 for options	

FEATURES	
Lamps	
12V 50mm dichroic lamp 20, 35 or 50W	
GX/GU5.3 base	
Installation	
Ceiling thicknesses of 0.7 – 25mm accommodated	
Transformers see page 158	
240V/12V remote Whitecroft transformer	
Emergency see page 166	
Emergency Powerpack EPL16E3	



LDR

LDR360
AR111 DOWNLIGHTER

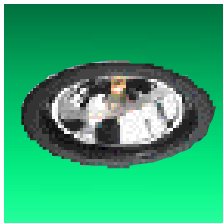
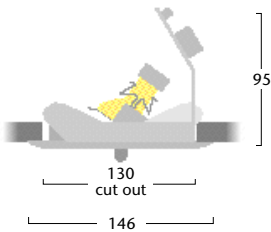


LDR3602

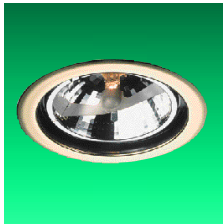
LDR370
MODULAR WALLWASHER



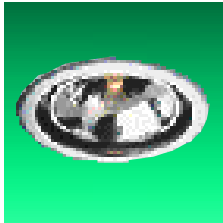
LDR3743



LDR3603



LDR3604



LDR3605

This fixed position Downlighter accepts the 111mm diameter reflector lamp, which has the highest light output of any 12V lamp source currently available. Due to the inclusion of a glare cap there is minimal glare. The illuminance level that this source produces enables even greater dramatic accent lighting to be achieved than with conventional low voltage Downlighters.

ORDER CODES	
LDR3602	AR111 Downlighter White
LDR3603	AR111 Downlighter Black
LDR3604	AR111 Downlighter Gold
LDR3605	AR111 Downlighter Chrome

The completely flush Modular Wallwasher is ideally suited where discreet, low glare lighting is required. Controllable through 355°, this luminaire also incorporates a built-in adjustment lever for angle control through 45°. This is easily achieved from below. The Whitecroft 'Click-Catch' system is incorporated for ease of lamp maintenance. Optimum wall washing effect is achieved by positioning the fitting 300 ~ 600mm from the wall.

ORDER CODES	
LDR3702	Modular Wallwasher White + adjustment lever
LDR3703	Modular Wallwasher Black + adjustment lever
LDR3704	Modular Wallwasher Gold + adjustment lever
LDR3705	Modular Wallwasher Chrome + adjustment lever
LDR3742	Modular Wallwasher White
LDR3743	Modular Wallwasher Black
LDR3744	Modular Wallwasher Gold
LDR3745	Modular Wallwasher Chrome

OPTIONS	
Twist and lock	add suffix:~
/TAL	Twist and lock lamp option
See page 139 for options	



LDR3702



LDR3704



LDR3705

FEATURES
Lamps LDR360
111mm 12V reflector lamp
35, 50 or 75W

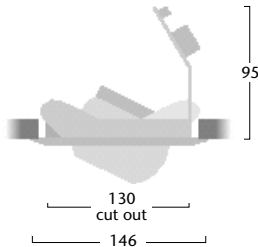
FEATURES
Installation
Ceiling thicknesses of 0.7 – 25mm accommodated
Transformers see page 158
240V/12V remote Whitecroft transformer

FEATURES
Lamps LDR370
12V 50mm dichroic lamp
20, 35 or 50W
GX/GU5.3 base



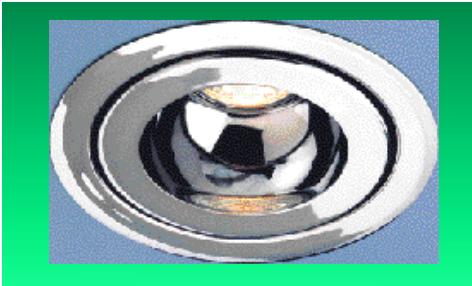
LDR

LDR380
MODULAR EYEBALL

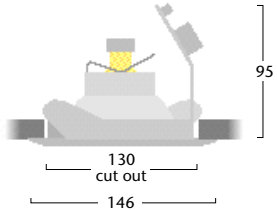


LDR3803

LDR390
FLOOD DOME



LDR3905



The traditional Modular Eyeball enables simple adjustment to 32° tilt with 355° of rotation. The eyeball is retained in the inner body enabling the luminaire to be installed in any horizontal, vertical or angled surface. Whitecroft's 'Click-Catch' system provides simple access for lamp maintenance.

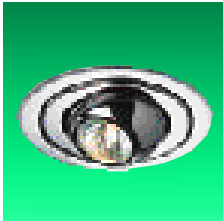
The Flood Dome is ideally suited to ambient downlighting. The recessed dome is illuminated by otherwise wasted lamp output without affecting beam performance. This emphasises the light source and a greater impression of light output is perceived.



LDR3802



LDR3804



LDR3805



LDR3802

ORDER CODES	
LDR3802	Modular Eyeball White
LDR3803	Modular Eyeball Black
LDR3804	Modular Eyeball Gold
LDR3805	Modular Eyeball Chrome

ORDER CODES	
LDR3902	Flood Dome White
LDR3903	Flood Dome Black
LDR3904	Flood Dome Gold
LDR3905	Flood Dome Chrome
LDR39E2	Flood Dome White with LED mounting for use with EPL16E3

OPTIONS	
Twist and lock	Add suffix:-
/TAL	Twist and lock lamp option
See page 139 for options	



LDR3902



LDR3903



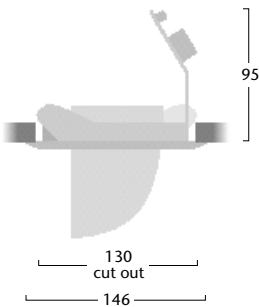
LDR3904



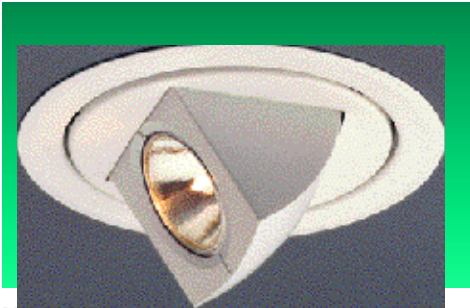
LDR3905

FEATURES	
Lamps	12V 50mm dichroic lamp 20, 35 or 50W GX/GU5.3 base
Installation	Ceiling thicknesses of 0.7 – 25mm accommodated
Transformers	see page 158 240V/12V remote Whitecroft transformer
Emergency	see page 166 Emergency Powerpack EPL16E3

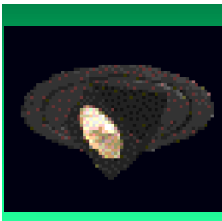
LDR



LDR500
MULTI DOWNLIGHTER



LDR5002



LDR5003



LDR5004

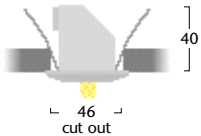
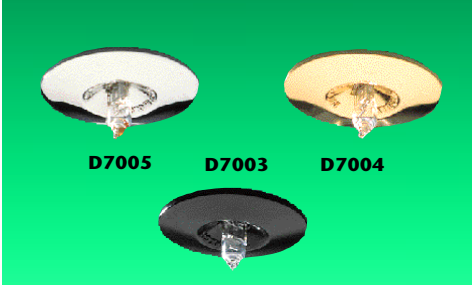


LDR5005

The uniquely designed Multi Downlighter features a precision die-cast body and provides a degree of flexibility only previously associated with surface mounted Spotlights. This configuration enables rotation through 355° and vertical adjustment from 5° to 85°.

ORDER CODES	
LDR5002	Multi Downlighter White
LDR5003	Multi Downlighter Black
LDR5004	Multi Downlighter Gold
LDR5005	Multi Downlighter Chrome

D700
ROUND STARLIGHT

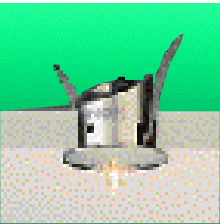


Starlight miniature luminaires are for purely decorative lighting effect. The two piece construction is a special aluminium heat-sink fitted to a solid die-cast body. These luminaires are ideally used in cluster or pattern forming designs. This is an open fitting and therefore the use of low pressure capsule lamps are recommended.

ORDER CODES	
D7002	Round Starlight White
D7003	Round Starlight Black
D7004	Round Starlight Gold
D7005	Round Starlight Chrome



D7002



D7005

FEATURES
Lamps LDR500
12V 50mm dichroic
20, 35 or 50W
GX/GU5.3 base
Installation
Ceiling thicknesses of 0.7 – 25mm accommodated

FEATURES
Transformers <i>see page 158</i>
240V/12V remote Whitecroft transformer

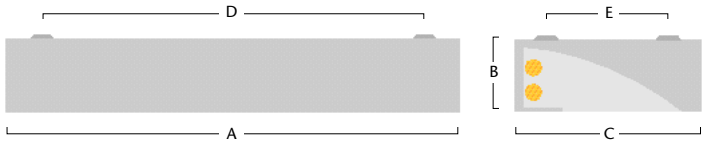
FEATURES
Lamps D700
12V T.H. Capsule lamp
10 or 20W
G4 base
Installation
Ceiling thicknesses of 1 – 20mm accommodated



Asymmetric Wallwasher



ASYR134S



DIMENSIONS MM					
Surface luminaire e	A	B	C	D	E
Single	594	80	200	500	180
Twin	1194	80	200	1100	180
Recessed luminaire e					
Single semi-specular reflector	594	75	225	~	~
Twin semi-specular reflector	1194	75	225	~	~
Single power specular reflector	594	115	330	~	~
Twin power specular reflector	1194	115	330	~	~

FEATURES
Lamps
Single or twin lamp 34W, 40W or 55W TC-L Triphosphor Compact Fluorescent

ASYMMETRIC WALLWASHER

The asymmetric Wallwasher combines high performance and low glare in achieving good vertical illumination within a space. The range includes both surface and recessed luminaires. The recessed luminaire is suitable for both 15mm and 25mm exposed tee ceilings and has semi-specular and 'power' specular reflector options.

The construction allows easy access to the High Frequency Electronic gear. The reflectors are designed to provide excellent vertical illuminance uniformity while eliminating direct view of the lamp from normal viewing angles.

The luminaire should be spaced at around 750mm from the appropriate vertical surface and on 1.8m centres for even illumination.

SPECIFICATION

- Manufactured from high grade mild steel with a Polyester powder paint finish RAL 9010 30% gloss.
- Parabolic lay-in reflector with satin finish.
- Specular power reflector option.
- BESA fixings for surface mounting.
- Energy efficient High Frequency Electronic control gear as standard.

ORDER CODES

Recessed luminaire e		
ASYR134#	1 x 34W TC-L	600mm long
ASYR140#	1 x 40W TC-L	600mm long
ASYR155#	1 x 55W TC-L	600mm long
ASYR234#	2 x 34W TC-L	1200mm long
ASYR240#	2 x 40W TC-L	1200mm long
ASYR255#	2 x 55W TC-L	1200mm long
Surface luminaire e		
ASYU134S	1 x 34W TC-L	600mm long
ASYU140S	1 x 40W TC-L	600mm long
ASYU155S	1 x 55W TC-L	600mm long
ASYU234S	2 x 34W TC-L	1200mm long
ASYU240S	2 x 40W TC-L	1200mm long
ASYU255S	2 x 55W TC-L	1200mm long

OPTIONS

Reflector	substitute # with suffix:~
S	Semi specular reflector
P	'Power' specular reflector

ASYU155S



Options



LDA1033

ANTI-GLARE BAFFLE

To limit direct view of a dichroic lamp at high angles the anti-glare baffle can be easily fitted to the LDR200# or LDR300# Downlighters. The baffle is manufactured from extruded aluminium and finished Polyester matt black.

ORDER CODE	
LDA1033	Anti-glare baffle



LDA1044

GLASS FEATURE TUBE

To give added interest and sparkle to the LDR200# or LDR300# Downlighters they can be fitted with this high temperature frosted glass tube. The glow of the light thrown sideways increases the ceiling brightness.

ORDER CODE	
LDA1044	Glass feature tube

TWIST AND LOCK LAMP

This new lamp cap design simplifies relamping, as the lamp incorporates robust connecting pins which positively twist and lock in the lamp holder. (Lamp supplied separately).

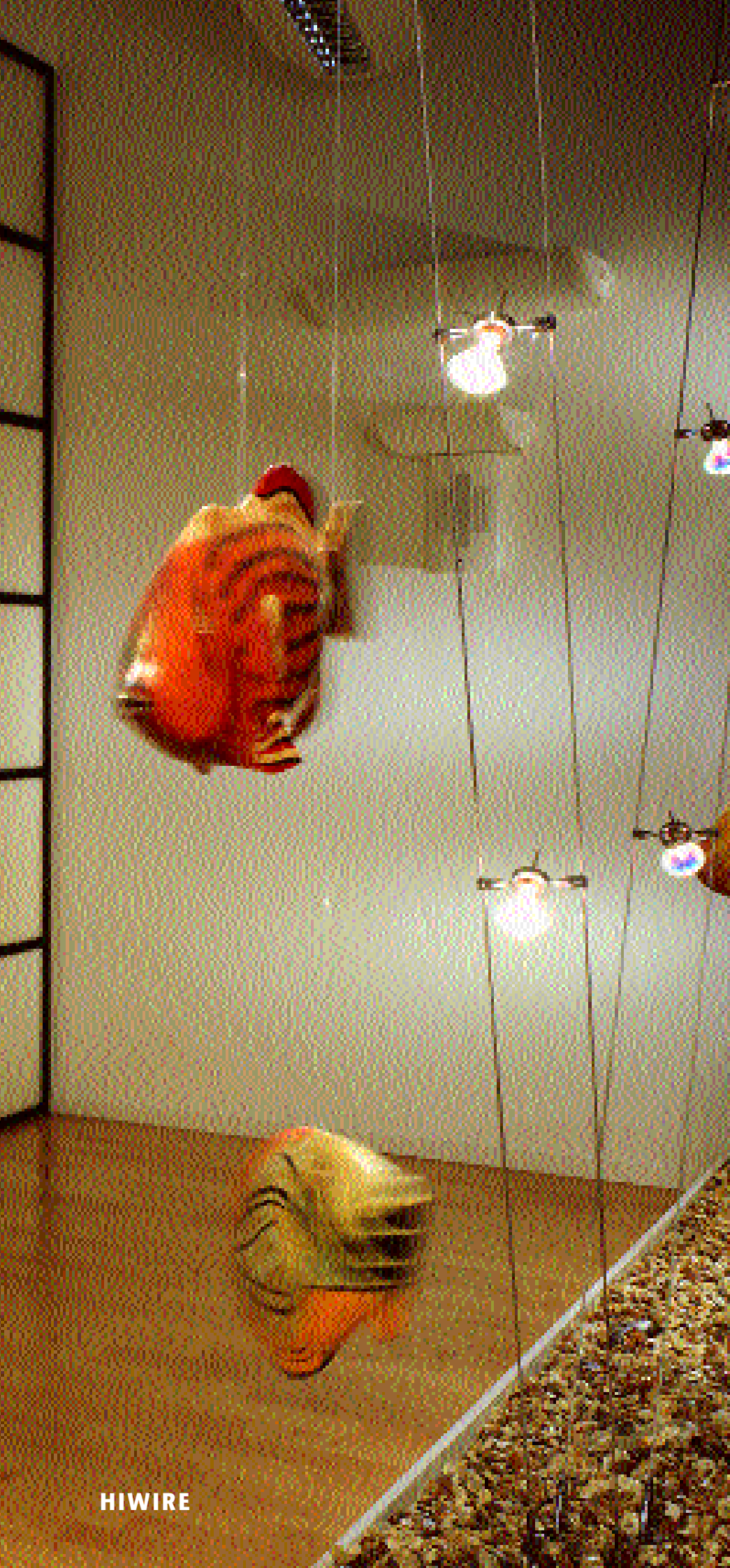


Twist and lock lamp

LAMPS	
Lamp base	GU7

ORDER CODES	
LDR100#/TAL	Micro Downlighter
LDR200#/TAL	Mini Downlighter
LDR250#/TAL	Mini Downlighter with decorative trim
LDR270#/TAL	Mini Wallwasher with lever
LDR274#/TAL	Mini Wallwasher
LDR300#/TAL	Modular Downlighter
LDR350#/TAL	Modular Downlighter with decorative trim
LDR370#/TAL	Modular Wallwasher with lever
LDR374#/TAL	Modular Wallwasher
LDR380#/TAL	Modular Eyeball
LDR390#/TAL	Flood Dome

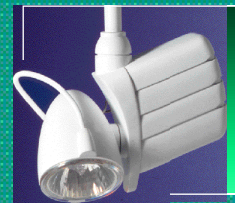
OPTIONS				
Finishes # add suffix finish required where indicated:-				
2 White	3 Black	4 Gold	5 Chrome	



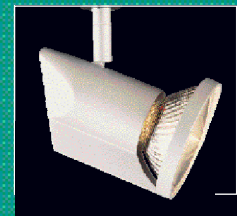
Whitecroft's range of spotlights puts the designer in control ~ providing precisely the right effect in each location, and combining state-of-the-art technology with maximum visual impact.

Spotlights

141



BLADE
PAGE 142



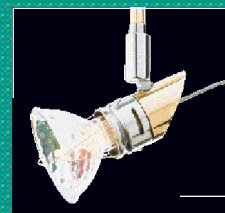
PAGE 152



CONE
PAGE 146



SATURN
PAGE 152



PAGE 148



OPTICUS PRO
PAGE 154



HIWIRE
PAGE 151

Blade™

BLADE TRANSFORMER INCORPORATED SPOTLIGHT

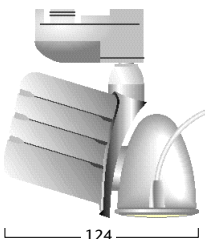
THE NEW BLADE SPOTLIGHT RANGE

Spotlights are synonymous with versatility, performance and style. A multitude of lamp options has teased solutions from product designers that satisfy the needs of the task and excite the imagination with visible forms presented in the space.

Blade, a range of spotlights designed, developed and manufactured by Whitecroft Lighting meets all these criteria. Blade offers the specifier, the installer and the user a spotlight defined by its presence, its ease of installation and the effect it provides.



Blade with
Direct M
Track adaptor



B50T

The B50T spotlight, with its integral electronic transformer, provides the designer and user with the flexibility of a mains voltage luminaire and the exciting power and visual effects of tungsten halogen dichroic lamps.

SPECIFICATION

- Integral electronic transformer for 12v 20-50W.
- Good thermal management to ensure reliability.
- Lightweight and compact design.
- 350 degree rotation of blade mounting.
- 180 degree turn on lamp housing.
- Handle for user friendly setting.
- Single circuit mains voltage track Direct M or surface mounting options.
- See track section for suitable Direct M system
- Lytespan 1 compatible track adaptor version available.
- Surface ceiling plate option.
- Extension rod mounting option.
- Suitable for 20-50W 50mm Dichroic lamps.
- Lamp types: T50S, T50M, T50F.
- GX5.3 lamp base.
- Secondary lamp retention safety feature and also ensures positive lamp location.

ORDER CODES

B50T-MT#	Mains voltage spotlight, electronic transformer incorporated, for 12V 50mm Dichroic lamp 50W max., Direct M track mounting
B50T-CT#	Mains voltage spotlight, electronic transformer incorporated, for 12V 50mm Dichroic lamp 50W max., Lytespan 1 track mounting
B50T-MS#	Mains voltage spotlight, electronic transformer incorporated, for 12V 50mm Dichroic lamp 50W max., Surface ceiling plate

OPTIONS

Colour replace # with suffix:~

1	Grey
2	White
3	Black

Lamp add suffix:~

T50S	12V 50W 12° Dichroic lamp
T50M	12V 50W 24° Dichroic lamp
T50F	12V 50W 60° Dichroic lamp

Rod extension add suffix:~

/150R	150mm rod extension
/1000R	1000mm rod extension



Blade™



The B100P spotlight for use with a remote Whitecroft transformer, is a blend of aesthetics, performance and practicality. It will be specified and used where these characteristics make a difference.

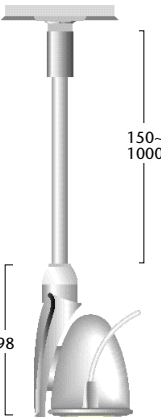
BLADE SPOTLIGHTS FOR USE WITH REMOTE TRANSFORMER

- SPECIFICATION**
- 350 degree rotation of blade mounting.
 - 180 degree turn on lamp housing.
 - Handle for user friendly setting.
 - Single circuit low voltage track Direct L or surface mounting options.
 - See Track section for suitable systems and the Accessories section for 12V transformers.
 - Surface ceiling plate option.
 - Extension rod mounting option.
 - Suitable for 20-50W 50mm Dichroic lamps.
 - Lamp types: T50S, T50M, T50F.
 - GX5.3 lamp base.
 - Secondary lamp retention safety feature, also ensures positive lamp location.
 - See page 158 for transformers.

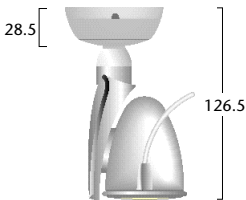
ORDER CODES	
B50L-LT#	Low voltage spotlight for 12V 50mm Dichroic lamp 50W max., Direct L track mounting
B50L-LS#	Low voltage spotlight for 12V 50mm Dichroic lamp 50W max., Surface ceiling plate

OPTIONS	
Colour replace # with suffix:~	
1	Grey
2	White
3	Black
Lamp add suffix:~	
T50S	12V 50W 12° Dichroic lamp
T50M	12V 50W 24° Dichroic lamp
T50F	12V 50W 60° Dichroic lamp
Extension rods add suffix:~	
/150R	150mm rod extension
/1000R	1000mm rod extension

Blade with LV Track adaptor and rod extension



Surface mounted Blade



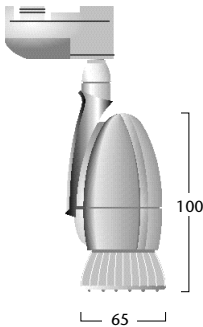
Blade™

BLADE PAR 20 SPOTLIGHT

The B65P houses the mains voltage PAR 20 tungsten halogen lamp giving it the flexibility and lighting power associated with mains voltage tungsten halogen lamps. The ES screw lamp holder also simplifies lamp replacement.



Blade with Direct M track adaptor



B65P

SPECIFICATION

- 350 degree rotation of blade mounting.
- 180 degree turn on lamp housing.
- Single circuit Direct M mains voltage track or surface mounting options.
- See Track section for suitable Direct M system.
- Lytespan 1 compatible track adaptor version available.
- Surface ceiling plate option.
- Extension rod mounting option.
- Suitable for 50W 65mm dia. PAR 20 Mains voltage tungsten halogen reflector lamp.
- Lamp types: P50S, P50F.
- ES lamp base.

ORDER CODES

B65P-MT#	Mains voltage spotlight for PAR 20 Tungsten Halogen lamp, Direct M track mounting
B65P-CT#	Mains voltage spotlight for PAR 20 Tungsten Halogen lamp, Lytespan 1 compatible track mounting
B65P-MS#	Mains voltage spotlight for PAR 20 Tungsten Halogen lamp, Surface ceiling mounting

OPTIONS

Colour replace # with suffix:~	
1	Grey
2	White
3	Black
Lamp add suffix:~	
P50S	240V 50W 10° Par 20 TH
P50F	240V 50W 30° Par 20 TH
Extension rods add suffix:~	
/150R	150mm rod extension
/1000R	1000mm rod extension

Blade™

BLADE LOW VOLTAGE CAPSULE SPOTLIGHT

The B100L has specially designed reflectors to direct the powerful 100W capsule lamp beam to its specific target of illumination.

Economic lamp replacement costs linked to significant lamp power make this an attractive option for many specifiers.



SPECIFICATION

- Integrated anodised reflector for spot or flood distribution.
- Borasilica safety glass as standard.
- 350 degree rotation of blade mounting.
- 180 degree turn on lamp housing.
- Single circuit Direct L low voltage track or surface mounting options.
- See Track section for suitable Direct L system.
- Surface ceiling plate option.
- Extension rod mounting option.
- Suitable for 100W max. tungsten halogen capsule lamp.
- Lamp types: T100C.
- GY6.35 lamp base.
- Secondary lamp retention for safety and positive lamp location.

ORDER CODES

B100L-LT#-SP	Low voltage spotlight with 100mm dia. spot reflector for 12V Tungsten Halogen capsule lamp 100W max, Direct L track mounting
B100L-LS#-SP	Low voltage spotlight with 100mm dia. spot reflector for 12V Tungsten Halogen capsule lamp 100W max, surface ceiling plate
B100L-LT#-FL	Low voltage spotlight with 100mm dia. flood reflector for 12V Tungsten Halogen capsule lamp 100W max, Direct L track mounting
B100L-LS#-FL	Low voltage spotlight with 100mm dia. flood reflector for 12V Tungsten Halogen capsule lamp 100W max, surface ceiling plate

BLADE PAR 30 SPOTLIGHT



The B100P utilises the PAR 30 mains voltage tungsten halogen reflector lamp giving up to 100W of power and a distinctive appearance.

SPECIFICATION

- 350 degree rotation of blade mounting.
- 180 degree turn on lamp housing.
- Single circuit Direct M mains track or surface mounting options.
- See Track section for suitable Direct M system.
- Lytespan 1 compatible track adaptor version available.
- Surface ceiling plate option.
- Extension rod mounting option.
- Suitable for 100W max. 100mm diameter PAR 30 Mains voltage tungsten halogen reflector lamp.
- Lamp types: P75S, P75F, P100S, P100F.
- ES lamp base.

ORDER CODES

B100P-MT#	Mains voltage spotlight for PAR 30 Tungsten Halogen lamp, Direct M track mounting
B100P-CT#	Mains voltage spotlight for PAR 30 Tungsten Halogen lamp, Lytespan 1 compatible track mounting
B100P-MS#	Mains voltage spotlight for PAR 30 Tungsten Halogen lamp, surface ceiling plate

OPTIONS

Colour replace # with suffix:~

1	Grey
2	White
3	Black

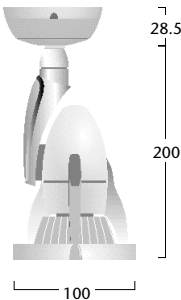
Lamp add suffix:~

T100C	12V 100W capsule lamp (B100L only)
P75S	240V 75W 10° Par 30 TH (B100P only)
P75F	240V 75W 30° Par 30 TH (B100P only)
P100S	240V 100W 10° Par 30 TH (B100P only)
P100F	240V 100W 30° Par 30 TH (B100P only)

Rod extension add suffix:~

/150R	150mm rod extension
/1000R	1000mm rod extension

Surface mounted Blade



NOTE

The B100L spotlight is recommended for use with the Whitcroft 105VA electronic transformer.



Cone

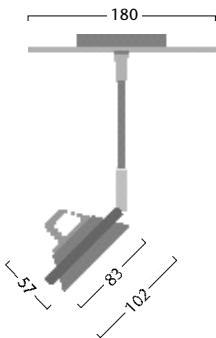
MONO PENDANT CONE SPOTLIGHT



LSS713



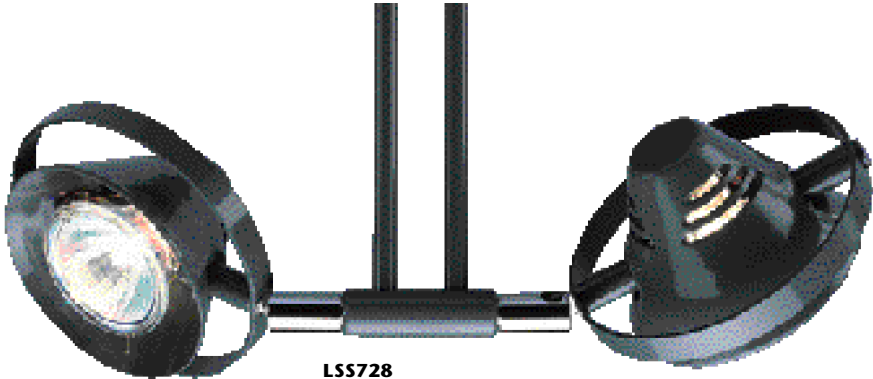
LTS712



Totally versatile, the Mono Pendant is available for ceiling or TwinTrack mounting, and fitted with 150mm rod as standard. All fittings are supplied with 1250mm leads to accept extension rods which further enhance both flexibility and appearance. The cone feature encloses the front loaded lamp and provides 355° rotation and 90° angling.

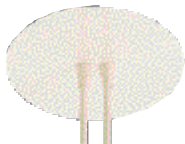
ORDER CODES	
Surface mounting with ceiling plate	
LSS712	Mono Pendant Cone White
LSS713	Mono Pendant Cone Black
LSS718	Mono Pendant Cone Graphite
TwinTrack mounting with adaptor	
LTS712	Mono Pendant Cone White
LTS713	Mono Pendant Cone Black
LTS718	Mono Pendant Cone Graphite

BI-PENDANT CONE SPOTLIGHT



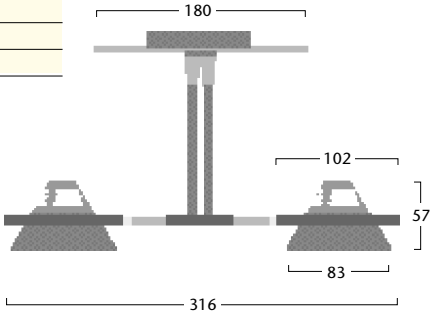
LSS728

Increased light concentration combined with aesthetic design is accomplished by the Bi-Pendant. The twin heads are independently directional, providing ample scope for design schemes where a multiple light source is required. 150mm twin rod fitted as standard. All fittings supplied with 1250mm leads and ceiling plate.



LSS722
Ceiling plate detail

ORDER CODES	
Surface mounting with ceiling plate	
LSS722	Bi-Pendant Cone White
LSS723	Bi-Pendant Cone Black
LSS728	Bi-Pendant Cone Graphite



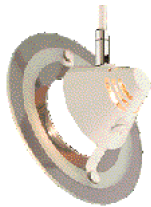
OPTIONS	
Extension rods <i>please order separately:-</i>	
L/A0502	500mm extension rod White
L/A0503	500mm extension rod Black
L/A0508	500mm extension rod Graphite
L/A1002	1000mm extension rod White
L/A1003	1000mm extension rod Black
L/A1008	1000mm extension rod Graphite

FEATURES	
Lamps	
12V 50mm dia. dichroic 20, 35 or 50W	
GX5.3 base	
Fixings and extension rods	
Includes surface ceiling plate (or TwinTrack adaptor on LTS71# only)	
Ordered separately these rods can easily be cut and fitted to length required on site	
Transformers <i>see page 158</i>	
240V/12V Whitecroft transformer	



Cone

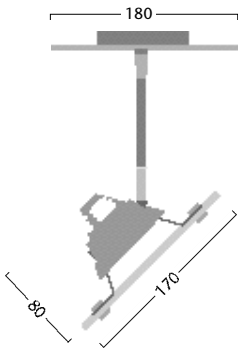
FEATURE GLASS PENDANT CONE



LSS732



LSS733



This decorative luminaire can be used to create a downlight or spotlight effect. 150mm rod fitted to TwinTrack and surface mounting options. All fittings supplied with 1250mm leads to accept extension rods if required.

ORDER CODES	
Surface mounting with ceiling plate	
LSS732	Feature Glass Cone White
LSS733	Feature Glass Cone Black
LSS738	Feature Glass Cone Graphite
TwinTrack mounting with adaptor	
LTS732	Feature Glass Cone White
LTS733	Feature Glass Cone Black
LTS738	Feature Glass Cone Graphite

OPTIONS	
Extension rods <i>please order separately:-</i>	
L/A0502	500mm extension rod White
L/A0503	500mm extension rod Black
L/A0508	500mm extension rod Graphite
L/A1002	1000mm extension rod White
L/A1003	1000mm extension rod Black
L/A1008	1000mm extension rod Graphite

FEATURES	
Lamps	
12V 50mm diameter dichroic 20, 35 or 50W	
GX5.3 base	
Fixings and extension rods	
Includes Surface ceiling plate or TwinTrack adaptor	
Ordered separately extension rods can easily be cut to length required and fitted on site	
Transformers <i>see page 158</i>	
240V/12V Whitecroft transformer	

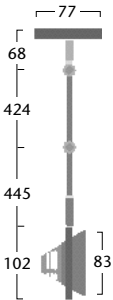
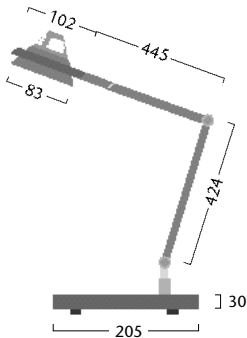
DROP HEAD CONE & CONE TASK LIGHT



LSS753

Featuring extension arms with manually locking joints, these versatile spotlights compliment the Cone Spotlight range. The Drop Head version provides highly flexible display illumination, and has a maximum arm length of 1039mm. The Task Light incorporates a 50va transformer with lead and plug for 240V mains connection.

ORDER CODES	
LSS742	Drop Head Cone White
LSS743	Drop Head Cone Black
LSS748	Drop Head Cone Graphite
LSS752	Cone Task Light White
LSS753	Cone Task Light Black
LSS758	Cone Task Light Graphite



FEATURES	
Lamps	
12V 50mm diameter dichroic 20, 35 or 50W	
GX5.3 base	
Fixings	
Drop head ceiling plate supplied	
Task light suitable for free-standing or surface mounting	
Transformers <i>see page 158</i>	
Drop head 240V/12V Whitecroft transformer	
Task light integral 240V/12V 50va transformer	

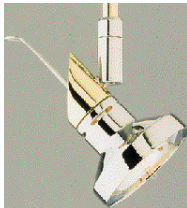


Compact

35MM EXPOSED COMPACT & 35MM COWLED COMPACT



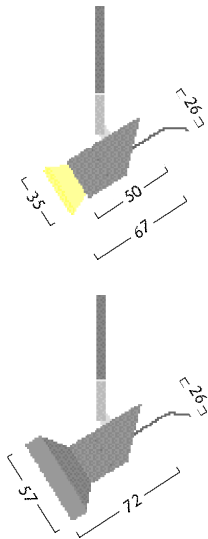
LSS512



LSS524/5



LSS523



50MM EXPOSED COMPACT & 50MM COWLED COMPACT



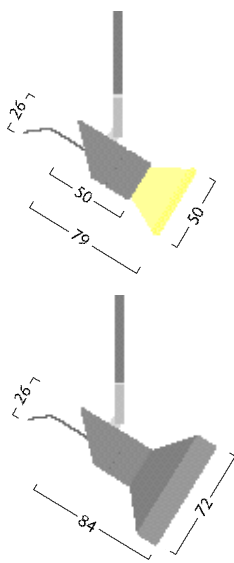
LSS542



LSS534/5



LSS533



Featuring the 35mm dichroic lamp, these Compact spotlights are the smallest fittings in the range. The exposed version allows the back-lighting effect of the lamp to be seen, the cowled version excludes this light. 150mm rod fitted as standard, suitable for attachment to ceiling plate or Whitecroft TwinTrack adaptor. All fittings include 1250mm leads.

These 50mm Compact spotlights accept the 50mm dichroic lamp. With the lamp exposed a back-lighting effect is evident. This can be eliminated by the use of a cowl. 150mm rod fitted as standard, suitable for attachment to ceiling plate or Whitecroft TwinTrack adaptor. All fittings include 1250mm leads.

ORDER CODES		
Surface mounting		TwinTrack mounting
LSS512	Exposed White	LTSS512
LSS513	Exposed Black	LTSS513
LSS514/5	Exposed Gold/Chrome	LTSS514/5
LSS522	Cowled White	LTSS522
LSS523	Cowled Black	LTSS523
LSS524/5	Cowled Gold/Chrome	LTSS524/5

ORDER CODES		
Surface mounting		TwinTrack mounting
LSS532	Exposed White	LTSS532
LSS533	Exposed Black	LTSS533
LSS534/5	Exposed Gold/Chrome	LTSS534/5
LSS542	Cowled White	LTSS542
LSS543	Cowled Black	LTSS543
LSS544/5	Cowled Gold/Chrome	LTSS544/5

OPTIONS	
Extension rods <i>please order separately:-</i>	
L/A0502	500mm extension rod White
L/A0503	500mm extension rod Black
L/A0504	500mm extension rod Gold
L/A0505	500mm extension rod Chrome
L/A1002	1000mm extension rod White
L/A1003	1000mm extension rod Black
L/A1004	1000mm extension rod Gold
L/A1005	1000mm extension rod Chrome

FEATURES
Lamps
35mm and 50mm 12V dichroic lamp 20, 35 or 50W
35mm GZ4 base
50mm GX5.3 base
Fixings and extension rods
Includes Surface ceiling plate or TwinTrack adaptor
Ordered separately extension rods can easily be cut and fitted to length required on site
Transformers <i>see page 158</i>
240V/12V Whitecroft transformer



310



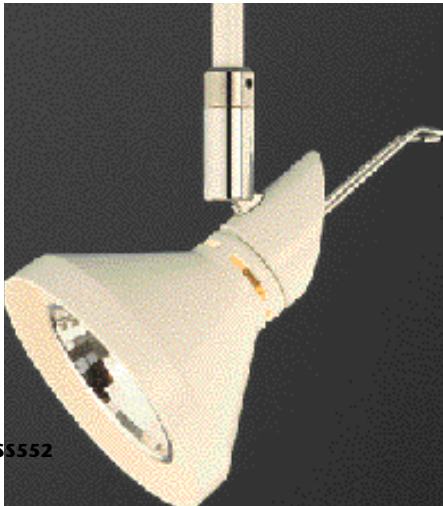
330

Compact

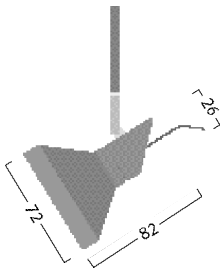
50MM INTEGRAL REFLECTOR COMPACT



LSS553



LSS552



The Integral Reflector Compact incorporates an independent 50mm metal reflector with 18° beam angle. Remaining in position for lamp replacement, optimum reflector performance is maintained through the fitting's life. 150mm rod fitted as standard, suitable for attachment to ceiling plate or Whitecroft TwinTrack adaptor. All fittings include 1250mm leads. Low pressure capsule lamps recommended for these fittings.

ORDER CODES		
Surface mounting		TwinTrack mounting
LSS552	Integral Reflector White	LTS552
LSS553	Integral Reflector Black	LTS553
LSS554/5	Integral Reflector Gold/Chrome	LTS554/5

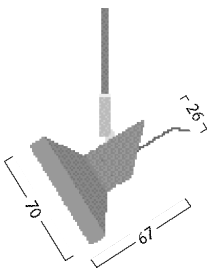
AR48 COMPACT



LSS564/5



LSS563



The 48mm 'Halostar' lamp, used in the AR48 Compact spotlight, is a combined lamp and metal reflector with lamp capsule cover to reduce glare. The lamp is available with silver reflector for a brilliant clean tone, or with a gold reflector for a warmer effect. 150mm rod fitted as standard, suitable for attachment to ceiling plate or Whitecroft TwinTrack adaptor. All fittings include 1250mm leads.

ORDER CODES		
Surface mounting		TwinTrack mounting
LSS562	AR48 Compact White	LTS562
LSS563	AR48 Compact Black	LTS563
LSS564/5	AR48 Compact Gold/chrome	LTS564/5

OPTIONS	
Extension rods <i>please order separately:-</i>	
L/A0502	500mm extension rod White
L/A0503	500mm extension rod Black
L/A0504	500mm extension rod Gold
L/A0505	500mm extension rod Chrome
L/A1002	1000mm extension rod White
L/A1003	1000mm extension rod Black
L/A1004	1000mm extension rod Gold
L/A1005	1000mm extension rod Chrome

FEATURES
Lamps
M32 12V lamp capsule 50W
GY6.35 base
Fixings and extension rods
Includes Surface ceiling plate or TwinTrack adaptor
Ordered separately extension rods can easily be cut and fitted to length required on site
Transformers <i>see page 158</i>
240V/12V Whitecroft transformer

FEATURES
Lamps
48mm 12V 'Halostar' with gold or silver reflector 20W
G4 base
Fixings and extension rods
Includes Surface ceiling plate or TwinTrack adaptor
Ordered separately extension rods can easily be cut and fitted to length required on site
Transformers <i>see page 158</i>
240V/12V Whitecroft transformer



Compact

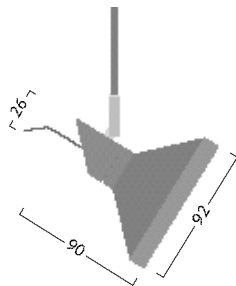
70MM INTEGRAL REFLECTOR COMPACT



LSS572



LSS573



The 70mm Integral Reflector Compact features a 70mm, 17° metal reflector which requires only the lamp capsule to be supplied. This larger reflector produces a more diffused beam than the smaller 50mm version. 150mm rod fitted as standard, suitable for attachment to ceiling plate or Whitecroft TwinTrack adaptor. All fittings include 1250mm leads. Low pressure capsule lamps recommended for these fittings.

ORDER CODES		
Surface mounting		TwinTrack mounting
LSS572	Integral Reflector White	LTS572
LSS573	Integral Reflector Black	LTS573
LSS574/5	Integral Reflector Gold/Chrome	LTS574/5

OPTIONS	
Extension Rods <i>please order separately:-</i>	
L/A0502	500mm extension rod White
L/A0503	500mm extension rod Black
L/A0504	500mm extension rod Gold
L/A0505	500mm extension rod Chrome
L/A1002	1000mm extension rod White
L/A1003	1000mm extension rod Black
L/A1004	1000mm extension rod Gold
L/A1005	1000mm extension rod Chrome

FEATURES	
Lamps	
M32 12V lamp capsule 50W	
GY6.35 base	
Fixings and extension rods	
Includes Surface ceiling plate or TwinTrack adaptor	
Ordered separately extension rods can easily be cut and fitted to length required on site	
Transformers <i>see page 158</i>	
240V/12V Whitecroft transformer	

COMPACT TWINSPOT



LVSS584

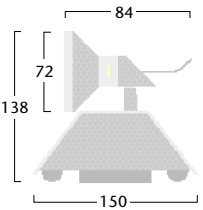
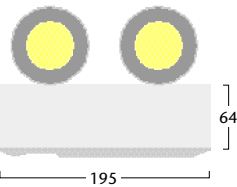
To compliment the individual Compact spotlight range, the TwinSpot utilises the cowled fittings for 50mm dichroic lamps. These are directly mounted on to a ventilated housing which encloses a self-regulating 100va electronic transformer. This enables the use of 20, 35 or 50W lamps without need for adjustment. The TwinSpot can be surface mounted by means of a detachable backplate with the 2m lead and plug supplied.



LVSS582



LVSS583

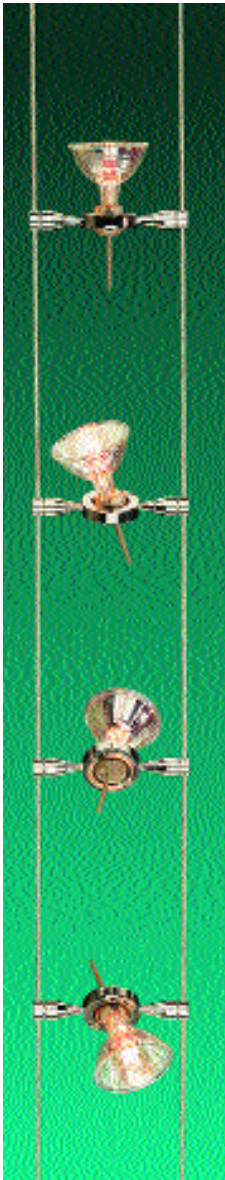


ORDER CODES	
LVSS582	Compact TwinSpot White
LVSS583	Compact TwinSpot Black
LVSS584	Compact TwinSpot Gold
LVSS585	Compact TwinSpot Chrome

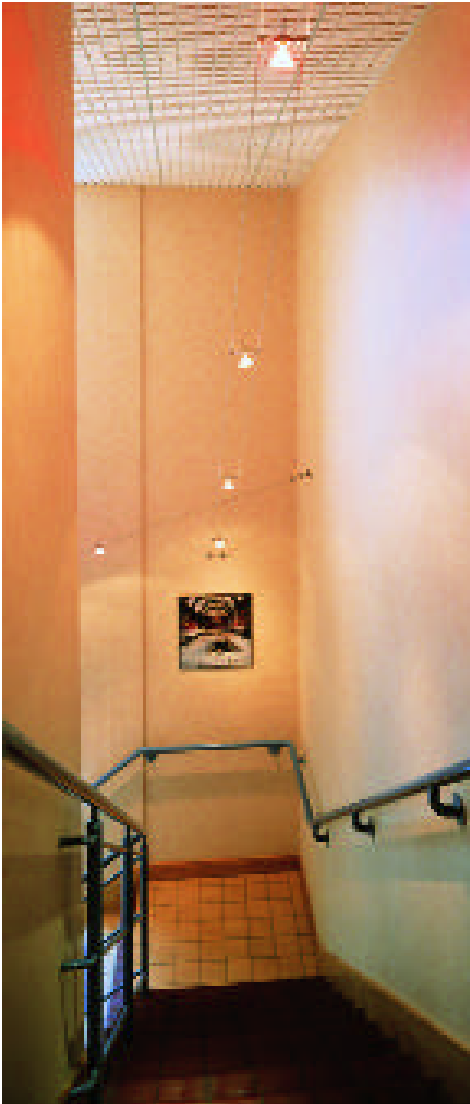
FEATURES	
Lamps	
50mm 12V dichroic lamp 20, 35 or 50W	
GX5.3 base	
Fixings	
Suitable for free standing or surface mounting	
Transformers <i>see page 158</i>	
240V/12V Whitecroft transformer	



HiWire System



MISTRAL SPOTLIGHTS

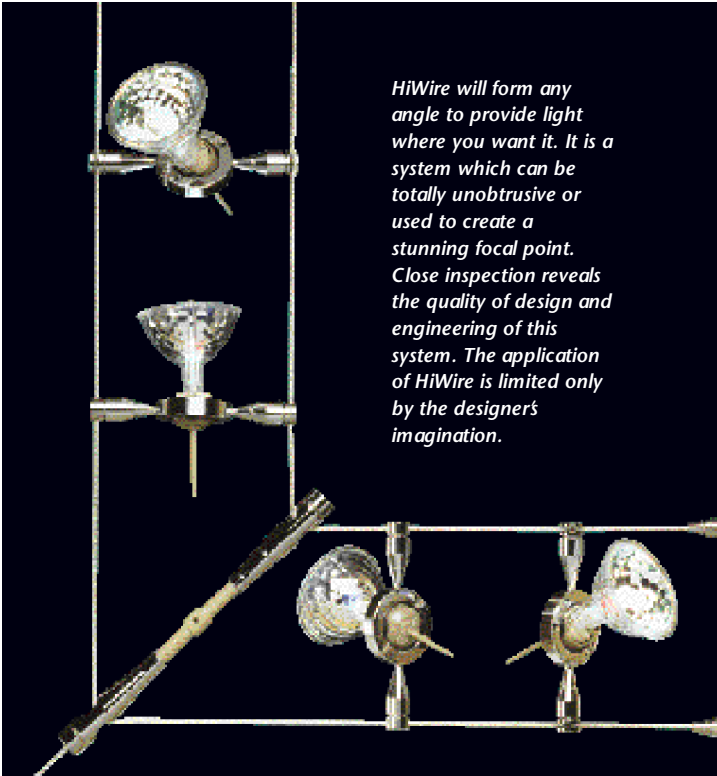


SPECIFICATION

- 12V tensioned wire system with 25A capacity for 6m run. Additional runs can be achieved by joining systems together.
- Visual or Remote dedicated transformers must be used solely with this system for total safety.
- All HiWire transformers are safety isolating transformers with an electronic circuit board incorporating the following features;
 - ~ Anti-over load (self-compensating)
 - ~ Thermal fuse
 - ~ Short circuit breaker (auto reset)
 - ~ LED warning light (not HTR300 or HTR150)
 - ~ Warning buzzer
 - ~ Soft start
 - ~ Primary fuse

NOTE

Transformer loading
100W-150W HTR/HWT 150
200W-300W HTR/HWT 300



HiWire will form any angle to provide light where you want it. It is a system which can be totally unobtrusive or used to create a stunning focal point. Close inspection reveals the quality of design and engineering of this system. The application of HiWire is limited only by the designer's imagination.

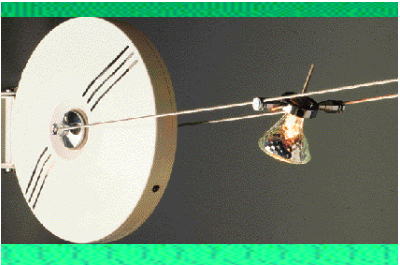
HA103C Direction changer kit

ORDER CODES

HWK6C	6m HiWire kit includes:~ HiWire cable for 6m run six Mistral spotlights, six 12V 50W Dichroic lamps, one pair end tensioners, one pair power terminals, heat shrink sleeving
HWK12C	12m HiWire kit including:~ HiWire cable for 12m run 12 Mistral spotlights, 12 12V 50W Dichroic lamps, one pair end tensioners, one pair power terminals, one pair centre tensioners, one pair vertical power supports

OPTIONS

Direction changer kit <i>please order separately:~</i>	
HA103C	Direction changer kit
Power supports <i>please order separately:~</i>	
HA104C	Pair of vertical power supports (used to feed power to a system using the remote transformer mounted in the ceiling void above the HiWire cable)
Transformers <i>please order separately:~</i>	
HWT300	300VA visual transformer
HTR300	300VA remote transformer
HWT150	150VA visual transformer
HTR150	150VA remote transformer
Distance between wires 92mm	

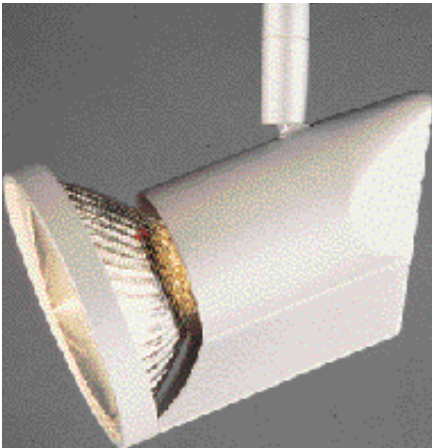
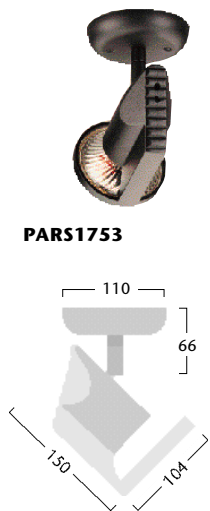


HWT300
Visual transformer



Solar & Saturn

SOLAR 30 SPOTLIGHT



PART1109

Solar 30 is a 240V Tungsten Halogen Spotlight designed for use with the PAR 30 lamp, allowing the Lighting Designer to take full advantage of the superior beam performance associated with the Tungsten Halogen lamps, but without the need for a transformer. This die cast aluminium spotlight is supplied complete with lamp and mounting.

ORDER CODES	
Direct M mains track adaptor	
PART175#	Solar 30 PAR 30 - 75W - 10° Beam
PART275#	Solar 30 PAR 30 - 75W - 30° Beam
PART110#	Solar 30 PAR 30 - 100W - 10° Beam
PART210#	Solar 30 PAR 30 - 100W - 30° Beam
Lytespan 1 single circuit track adaptor	
PARC175#	Solar 30 PAR 30 - 75W - 10° Beam
PARC275#	Solar 30 PAR 30 - 75W - 30° Beam
PARC110#	Solar 30 PAR 30 - 100W - 10° Beam
PARC210#	Solar 30 PAR 30 - 100W - 30° Beam
Surface mounting with dedicated ceiling plate	
PARS175#	Solar 30 PAR 30 - 75W - 10° Beam
PARS275#	Solar 30 PAR 30 - 75W - 30° Beam
PARS110#	Solar 30 PAR 30 - 100W - 10° Beam
PARS210#	Solar 30 PAR 30 - 100W - 30° Beam
OPTIONS	
Colour replace # with suffix:~	
2	White
3	Black
9	Silver

SATURN MH PROJECTOR



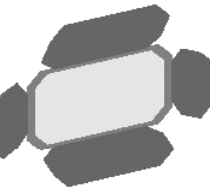
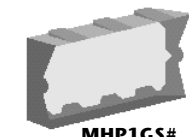
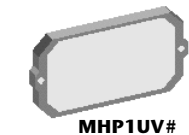
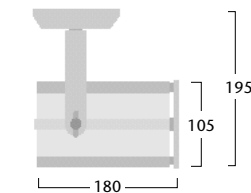
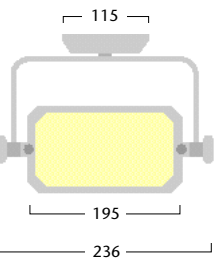
MHPS1073 WITH MHP1GF3

This powerful projector with integrated power factor corrected control gear is available in two lamp wattage options. The luminaire housing is constructed from a combination of aluminium extrusion and injection moulded plastics resulting in a robust and flexible product. The high performance of the metal halide lamp is accurately converted to floodlighting by a pure aluminium parabolic reflector and is ideally suited where the Lighting Designer wishes to create a crisp daylighting effect. The Saturn MH projector is supplied complete with lamp and mounting option.

ORDER CODES		
Direct M mains single circuit track adaptor		Lytespan 1
MHPT107#	70W Saturn MH projector	MHPC107#
MHPT115#	150W Saturn MH projector	MHPC115#
Surface mounting with dedicated ceiling plate		
MHPS107#	70W Saturn MH projector	
MHPS115#	150W Saturn MH projector	
OPTIONS		
Accessories please order separately:~		
MHP1GF#	Glare flaps/barn doors	
MHP1GS#	Glare screen/snoot	
MHP1UV#	UV 'B' absorption glass	
Colour replace # with suffix:~		
2	White	
3	Black	



MHPT1072



FEATURES	
Lamp	240V PAR 30 Aluminium sealed beam reflector 75W or 100W E27 lamp base
Mounting	Direct M mains track adaptor or Lytespan 1 single circuit track adaptor. Alternatively the fitting can be supplied with a dedicated ceiling plate.

FEATURES	
Lamp	Double Ended Metal Halide 70W or 150W warm white DE LUXE R x 7s lamp cap
Weight (including mounting)	Kg
70W	3.6
150W	4.1

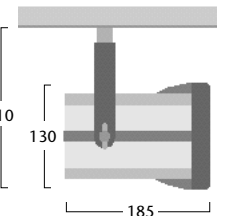
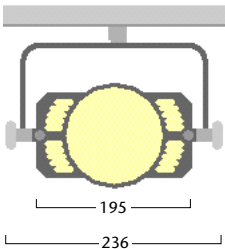


Saturn

SATURN WS PROJECTOR



WSPT1109



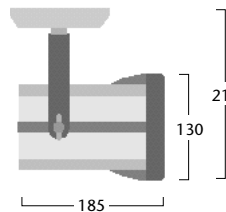
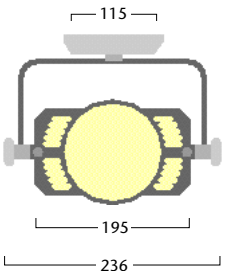
A compact, yet powerful projector with integrated power factor corrected control gear to run a 100W White SON-T lamp has been designed with a combination of aluminium extrusion and injection moulded plastics to give a flexible and attractive design solution. The Saturn WS Projector can be fitted with a large reflector to give a 'flood' or 'spot' lighting distribution. This luminaire is supplied complete with lamp and mounting option.

ORDER CODES			
Direct M mains single circuit track adaptor		Lytespan 1	
WSPT110#	100W spot Saturn WS projector	WSPC110#	
WSPT210#	100W flood Saturn WS projector	WSPC210#	
Surface mounting with dedicated ceiling plate			
WSPS110#	100W spot Saturn WS projector		
WSPS210#	100W flood Saturn WS projector		

SATURN CDM PROJECTOR



CMP51072



This version of the Saturn projector range uses the new CDM-T Mastercolour lamp from Philips. This continuation of quality luminaire design and the latest development in lamp technology results in a perfect lighting tool for many applications. The Saturn CDM can be fitted with a 'flood' or 'spot' reflector and is supplied complete with lamp and mounting option.

ORDERING CODES			
Direct M mains single circuit track adaptor		Lytespan 1	
CMPT103#	35W spot Saturn CDM projector	CMPC103#	
CMPT107#	70W spot Saturn CDM projector	CMPC107#	
CMPT203#	35W flood Saturn CDM projector	CMPC203#	
CMPT207#	70W flood Saturn CDM projector	CMPC207#	
Surface mounting with dedicated ceiling plate			
CMPS103#	35W spot Saturn CDM projector		
CMPS107#	70W spot Saturn CDM projector		
CMPS203#	35W flood Saturn CDM projector		
CMPS207#	70W flood Saturn CDM projector		

OPTIONS	
Colour replace # with suffix:~	
2	White
3	Black
9	Grey

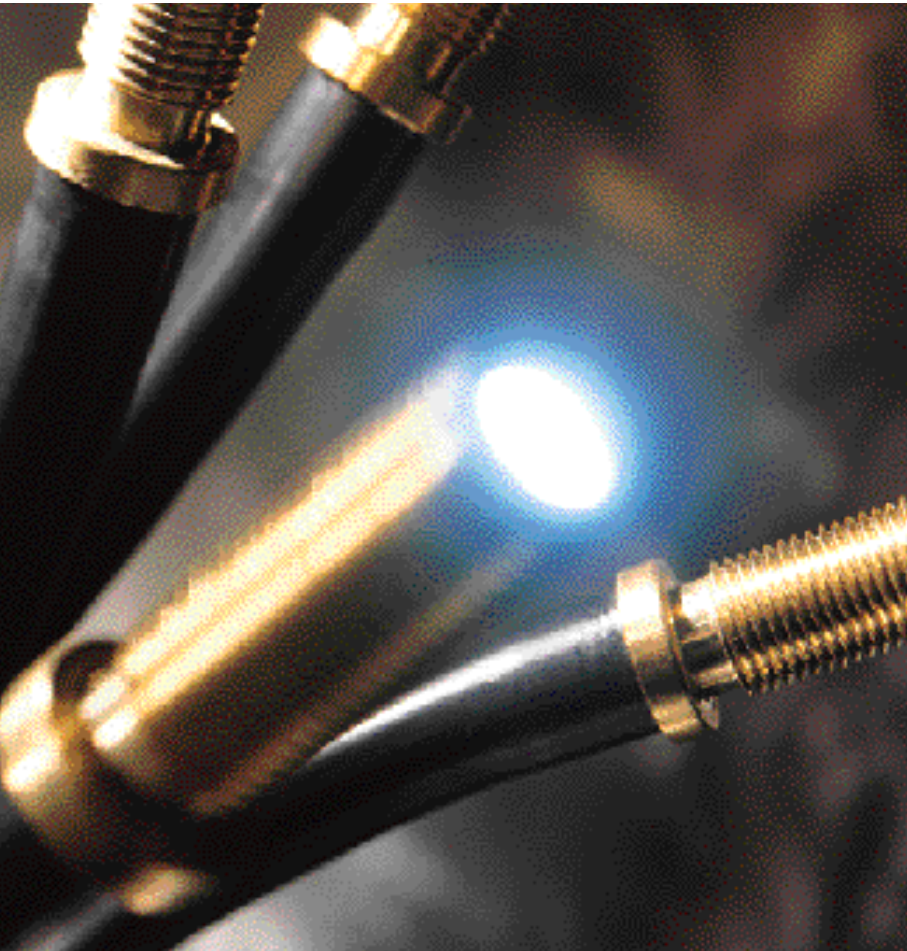
FEATURES	
Lamp	
White SON SDW-T 100W	
Weight	
(including mounting)	Kg
100W	3.2

FEATURES	
Mounting	
Direct M mains track adaptor or Lytespan 1 single circuit track adaptor. Alternatively the Projectors can be supplied with a dedicated ceiling plate	

FEATURES	
Lamp	
35W or 70W CDM-T	
Weight	
(including mounting)	Kg
35W	3.6
70W	3.6



Opticus Pro



The principle behind fibre optic lighting is very simple. The light from a single-ended lamp source is divided and channelled through fibre optic cables to luminaires located wherever they are needed for display or to provide effect.

With the introduction of Opticus Pro light generators using low voltage dichroic lamps or HID lamps, fibre optic lighting can be a highly efficient means of transporting light, enabling designers to achieve cost-effective lighting effects that might not have proved impossible to attain, but would have certainly have proved problematic and expensive to implement and maintain.

MAXIMUM EFFECT

The Opticus Pro fibre optic lighting system gives the designer more flexibility, precision and control over the desired lighting effect. Fibre optics can carry light to previously inaccessible places, distributing high light intensities, either as powerful beams or as diffuse light, from miniature, inconspicuous sources.

Furthermore since fibre optic cables do not transmit UV or IR radiation to cause heat discomfort of fading the designer is free to position light outputs closer to the illuminated object to turn simple accent lighting into a creative masterpiece. Alternatively the use of smaller fibres can create innovative features, particularly 'starry sky' effects.

MINIMUM MAINTENANCE

Maintenance of a fibre optic system is simplicity itself ~ when replacement becomes necessary, just insert another lamp into the Opticus Pro light generator. Since numerous luminaires can be driven by a single source, access to the individual luminaires is unnecessary, as there are no lamps to blow - imagine the savings in terms of cost and time compared to changing ten ceiling-mounted downlighter lamps.

This also means that the energy efficient source can be located wherever convenient, attached above a suspended ceiling or in a cupboard, to allow easy access for maintenance.

The restaurant at
The Royal Bank
of Scotland
in Holborn,
London

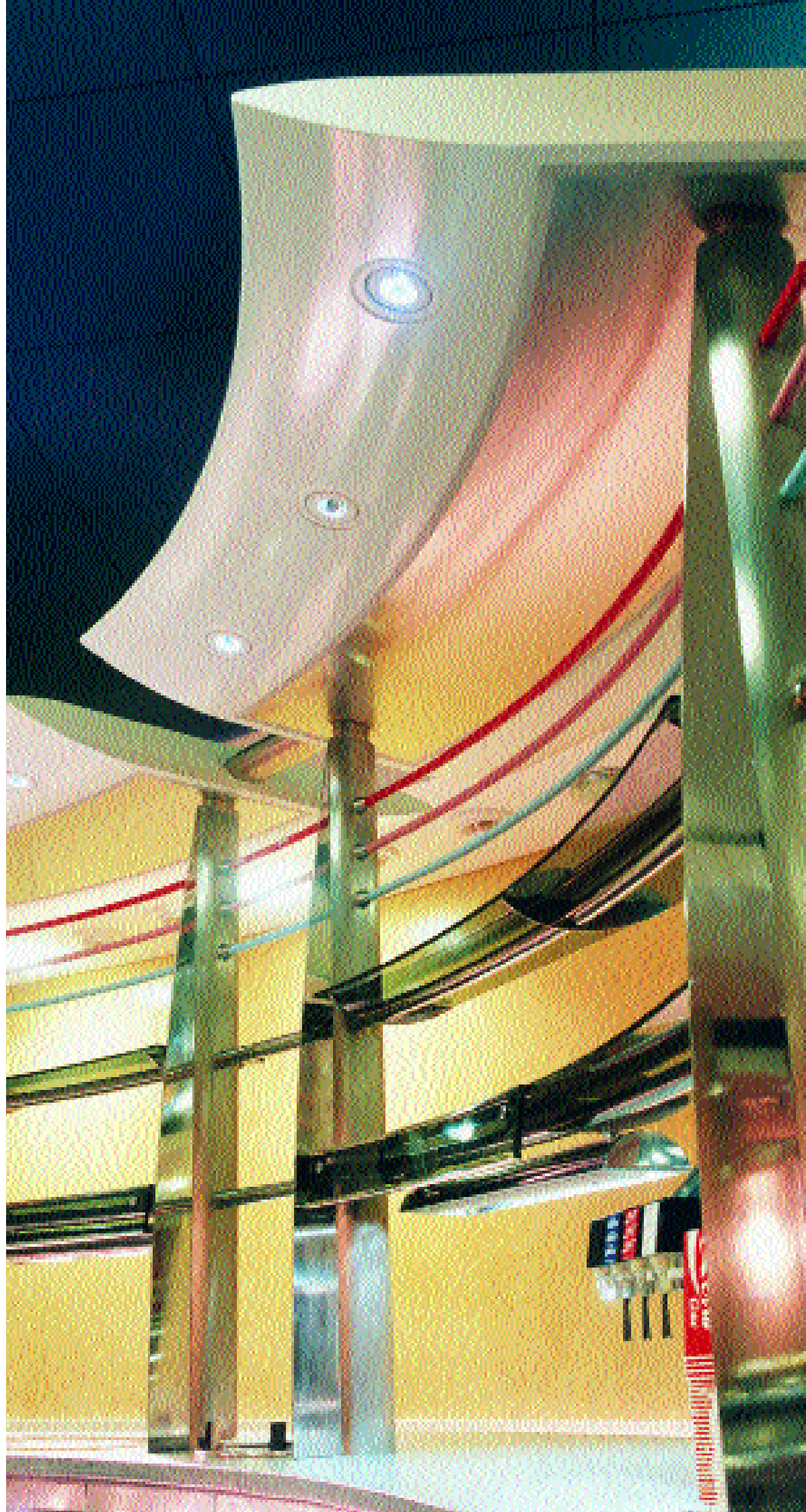
THE SYSTEM

The Opticus Pro system is in three parts:~

The light generator, available for halogen dichroic or HID lamp sources, and is supplied complete with transformer or control gear as appropriate for direct connection to the mains supply.

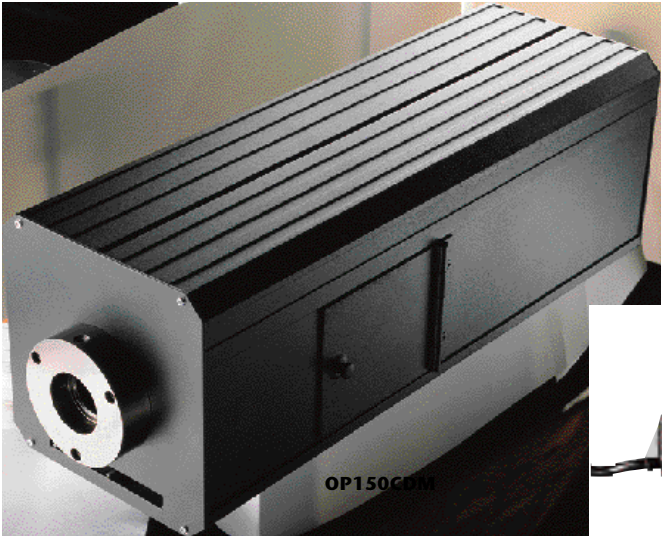
The cable harness is available as end emitting in either 1 or 5 mm diameters, to transmit the full light spectrum over distances up to 30m, but does not transmit UV or IR. An optional diffusing optical cable is available for HID light generators. The 1mm diameter cable is particularly effective in the creation of 'starry sky' and 'sparkle' effects, whilst the 5mm cable is suitable for use with optical terminations.

The optical terminations offer a range of compact, cold running optical units for downlighting and spotlighting effects. All terminations are interchangeable. A specially designed option for external usage is also available.



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Opticus Pro



OP050TH

CABLE HARNESS

SPECIFICATION

Opticus Pro light generator

- F Mark for flammable surfaces.
- Sliding lid for ease of lamp change.
- Superior air flow.
- Choice of light source.
- Superior lens focusing system:~
 - ~ Exact and even distribution of light into fibre ensures consistent illumination between tails.
 - ~ Lamp positioning less critical than with reflector systems.

ORDER CODES

OP050TH	1 × 50W 12V Dichroic
OP075TH	1 × 75W 12V Dichroic
OP150CDM	1 × 150W CDM-T
OP200MSD	1 × 200W MSD

OPTICUS PRO CABLE HARNESSES

Each Fibre Optic lighting scheme requires varying harness specifications, for this reason please contact our Sales Department in order to discuss your needs and finalise the specification of the required harness. The cost of fibre optic cable in a project has a significant influence on the total costs of the system. Therefore, it is important for you to order precise lengths to optimise the costs.

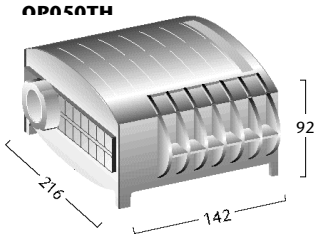
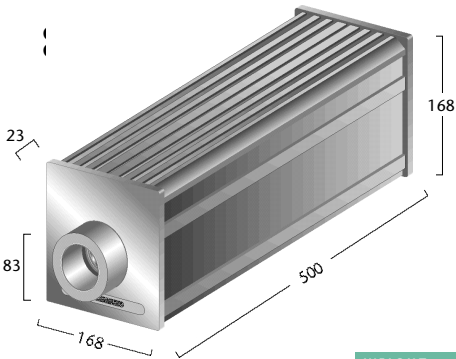
A maximum of 16 5mm tails can be used in one harness

A maximum of 250 1mm tails can be used in one harness

Benefits:~

PMMA Plastic Fibres

- Less colour distortion.
- Efficient light transmission.
- Robust for on site handling.
- Proven life history
 - ~ longevity of 10-15 years.



FEATURES

Opticus Pro Light Generator

50W/75W Dichroic

Warm light source ~ ideal for low power, effect lighting.
Cost effective light generator. Lamp life 3000 hours

CDM-T

Warm light source. High powered light source suitable for effect and area lighting. Fan cooled thermal control system. Lamp life 9000 hours

MSD

Cool light source. Significant increase in power over CDM
Fan cooled thermal control system. Lamp life 2000 hours

WEIGHT

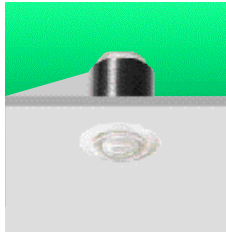
	Kg
OP050TH	2.33
OP075TH	3.29
OP150CDM	7.95
OP200MSD	8.75



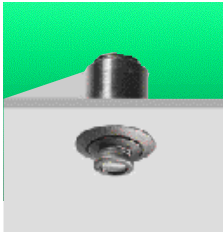
Opticus Pro

TERMINATIONS

TERMINATION OPTIONS	
Terminations <i>replace # with suffix:~</i>	
OPT001	Downlighter (waterproof)
OPT002#	Focusable Downlighter Adjustable beam angle 17°~ 30°
OPT003#	Adjustable Focusable Downlighter Orientation 360° horizontal, 76° vertical Adjustable beam angle 17°~ 30°
OPT004#	Focusable Spotlight Orientation 360° horizontal, 180° vertical Adjustable beam angle 17°~ 30°
OPT005#	Decorative clear termination, back fixing for 1mm Fibre
OPT006#	Decorative clear termination, front fixing for 1mm Fibre
OPT007	Lens termination for exterior applications
Accessories <i>replace # with suffix:~</i>	
OPA001#	Zoom termination Adjustable beam angle 12°~ 20°
OPA002#	Gobo-Holder for OPA001
OPA003#	Fixing Adaptor (front access only) Suitable for OPT001, OPT002 and OPT004 where access behind wall/ceiling is not possible
Colour <i>replace # with suffix:~</i>	
2	White
3	Black



OPT001



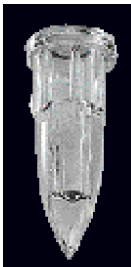
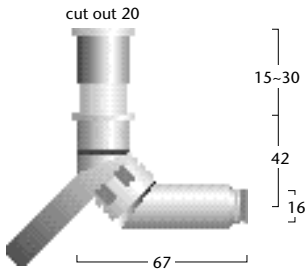
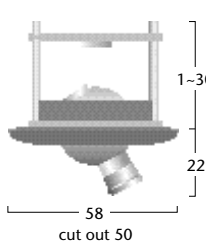
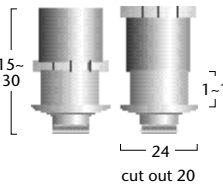
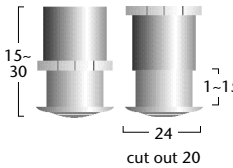
OPT002#



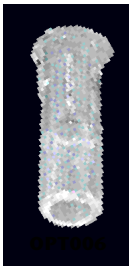
OPT003#



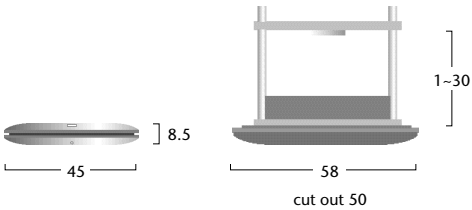
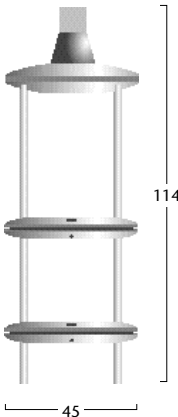
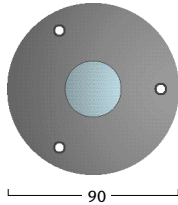
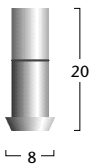
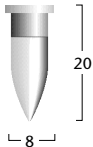
OPT004#



OPT005



OPT007



ACCESSORIES



OPA001#



OPA002#



OPA003#



The skills and the products required to light a retail environment are well established with Whitecroft lighting. This is centred on the understanding of the clients need to create an atmosphere conducive to making a sale.

TRANSFORMERS
FOR LOW VOLTAGE LIGHTING

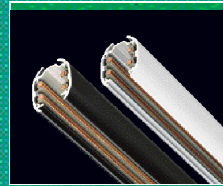
Transformers & Options

Track systems

Tracks can be used to create independent lighting systems, or to echo architectural interior features. Whitecroft mains and low voltage track is designed for use with our Spotlights and Projectors which can be easily manipulated to give the required lighting effect.



**DIRECT L
LOW VOLTAGE TRACK
PAGE 160**

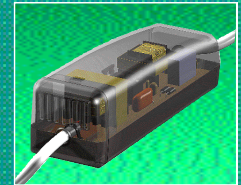


**TWINTRACK
LOW VOLTAGE TRACK
PAGE 162**



**DIRECT M
MAINS VOLTAGE TRACK
PAGE 163**

Transformers, cable and dimmers to complete the low voltage lighting package.



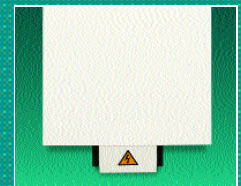
**DIGITAL DRIVER
PAGE 164**



**TXS TRANSFORMER &
ELECTRONIC
TRANSFORMER
PAGE 165**



**TD TRANSFORMER
PAGE 166**



**POWERPACK
PAGE 166**



**DIMMERS
PAGE 167**

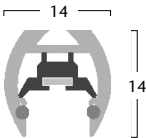
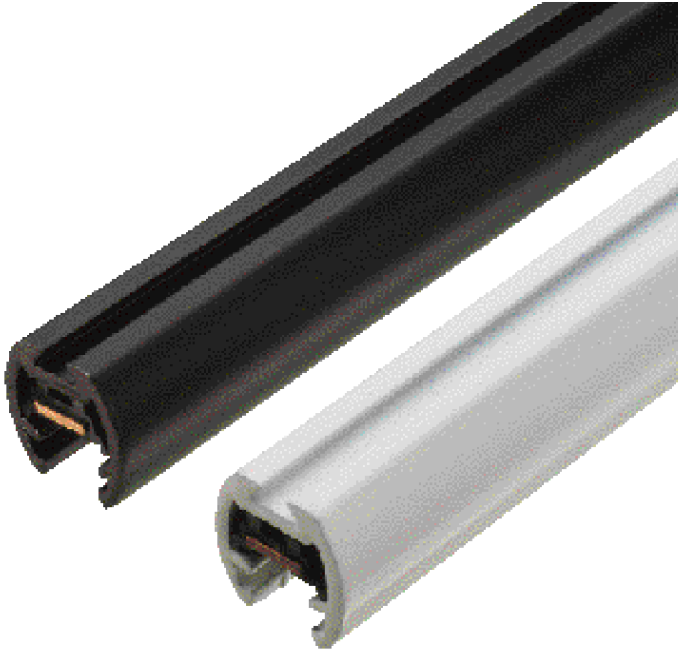


**CABLE
PAGE 167**

Track Systems

Direct L track is manufactured from extruded aluminium with a maximum rating of 25 amps from a 12V supply. Available as standard kits including 1200 or 2000mm track lengths and appropriate fixings, or as individual system components, the Direct L tracks is designed for use with Whitecroft's range of Blade low voltage spotlights.

See pages 142-145 in our Spotlight section.



DIRECT L TRACK

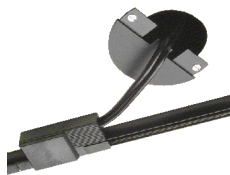
**DIRECT L ~ LOW VOLTAGE
25A LOW PROFILE SINGLE CIRCUIT
TRACK SYSTEM**

The creation of larger track systems is easily achieved through the use of individual system components. Track lengths can be extended indefinitely by inserting isolating track couplers between each transformer. Alternatively for shorter runs, Direct L track can be easily cut to size on site.

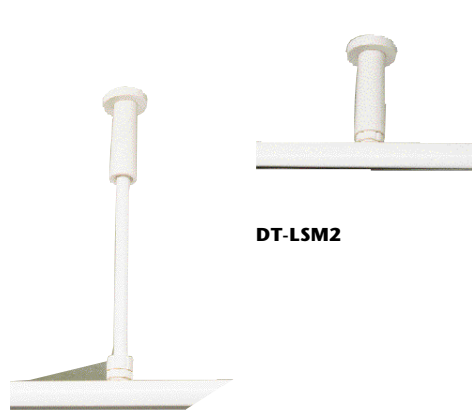
STANDARD KITS	ORDER CODES
DT-L1200K2	1200mm 12V 25A single circuit track kit including three surface suspension brackets and a power feed with a 500mm transformer connection lead. All finished in white.
DT-L1200K3	1200mm 12V 25A single circuit track kit including three surface suspension brackets and a power feed with a 500mm transformer connection lead. All finished in black.
DT-L2000K2	2000mm 12V 25A single circuit track kit including four surface suspension brackets and a power feed with a 500mm transformer connection lead. All finished in white.
DT-L2000K3	2000mm 12V 25A single circuit track kit including four surface suspension brackets and a power feed with a 500mm transformer connection lead. All finished in black.



DT-LWS3



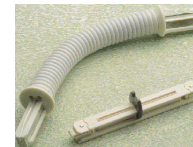
DT-LPF05-1053



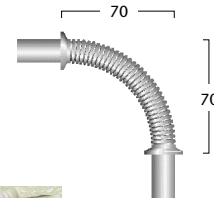
DT-LSM2



DT-LSM3



DT-LPFC2



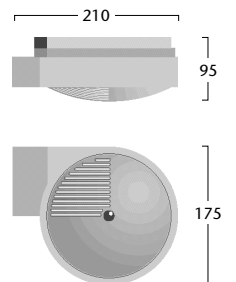
DT-LPSC2



DT-LCPO3



DT-SMT1502



SYSTEM COMPONENTS ORDER CODES

Track

DT-L3000T2	3000mm length of track finished white
DT-L3000T3	3000mm length of track finished black
Can easily be cut to specific length on site.	

NOTE: Direct L requires a suspension fixing every 600mm.

Mounting options

DT-LSM2	Surface mounting brackets, set of 2, white
DT-LSM3	Surface mounting brackets, set of 2, black
DT-LFS2	Floating suspension 60mm, white
DT-LFS3	Floating suspension 60mm, black
DT-LRS052	Rod suspension 500mm, white
DT-LRS053	Rod suspension 500mm, black
DT-LRS202	Rod suspension 1500mm, white
DT-LRS203	Rod suspension 1500mm, black
DT-LWS2	Wire suspension 2000mm, white
DT-LWS3	Wire suspension 2000mm, black

The track design includes a dove tail feature for fixing to a variety of mounting devices.

Pre-wired power feeds

DT-LPF05-1052	Prewired power feed, 500mm cable 1.5sq.mm, (105VA max.), white
DT-LPF05-1053	Prewired power feed, 500mm cable 1.5sq.mm (105VA max.), black
DT-LPF05-3002	Prewired power feed, 500mm cable 6.0sq.mm (300VA max.), white
DT-LPF05-3003	Prewired power feed, 500mm cable 6.0sq.mm (300VA max.), black
DT-LPF25-3002	Prewired power feed, 2500mm cable 6.0sq.mm (300VA max.), white
DT-LPF25-3003	Prewired power feed, 2500mm cable 6.0sq.mm (300VA max.), black

The low voltage power feed can be fitted anywhere along the length of track for convenient connection to the transformer. Power feeds are only available pre-wired to ensure connectivity.

Couplers

DT-LPFC2	12V track power flexible coupler, white
DT-LPFC3	12V track power flexible coupler, black
DT-LPSC2	12V track power straight coupler, white
DT-LPSC3	12V track power straight coupler, black
DT-LIFC2	12V track isolating flexible coupler, white
DT-LIFC3	12V track isolating flexible coupler, black
DT-LISC2	12V track isolating straight coupler, white
DT-LISC3	12V track isolating straight coupler, black

Couplers can be used to insulate sections of track or pass power from one piece of track to another depending on the type specified.

Accessories

DT-LPCS2	Power connector cover, shallow, white
DT-LPCS3	Power connector cover, shallow, black
DT-LPCD2	Power connector cover, deep, white
DT-LPCD3	Power connector cover, deep, black
DT-LCPO2	Ceiling plate outlet, white, cut out 55mm
DT-LCPO3	Ceiling plate outlet, black, cut out 55mm

A selection of covers are available to add the finishing touch to the installation.

Surface mounted transformers

DT-SMT1502	150VA surface mounted transformer, white
DT-SMT1503	150VA surface mounted transformer, black
DT-SMT3002	300VA surface mounted transformer, white
DT-SMT3003	300VA surface mounted transformer, black
Weight	150VA - 2.5kg 300VA - 4.1kg

Low profile toroidal transformer mounted into an attractive casing. Protection device of automatic switch off in case of overload, replaceable fuse for short circuit protection.

NOTE: See TXS transformer page for remote transformer information.

Track Systems

TWINTRACK
12V LOW VOLTAGE TRACK



SPECIFICATION

This sophisticated track system can be used to create independent light structures, or to echo architectural interior features. The system design allows for sections to be installed independently.

TwinTrack is a compact oval aluminium extrusion finished in white or black for surface or suspended mounting. This is available with a range of couplers, which enable extended track runs to be achieved. Within the extrusion are two pairs of copper conductors which supply power to two individual circuits each having a maximum capacity of 25 amps. Whitecroft TwinTrack transformers allow the circuits to be separately switched or combined to provide a total 600 watts capacity on a single length, with total electronic circuit protection.

ORDER CODES	
501011	1 metre White TwinTrack
501012	1 metre Black TwinTrack
501021	2 metre White TwinTrack
501022	2 metre Black TwinTrack
501031	3 metre White TwinTrack
501032	3 metre Black TwinTrack
501111	White 500mm Cover Strip
501112	Black 500mm Cover Strip
510011	White Live End
510012	Black Live End
510031	White In-Line Live Feeder
510032	Black In-Line Live Feeder
513011	White Dead End
513012	Black Dead End
520011	White In-Line Coupler
520012	Black In-Line Coupler
504011	White 90° Coupler
504012	Black 90° Coupler
504311	White 'T' Coupler
504312	Black 'T' Coupler
504411	White 'X' Coupler
504412	Black 'X' Coupler
570021	White Suspension Kit
570022	Black Suspension Kit
TX3TT	300VA Remote Transformer
TX6TT	600VA Remote Transformer

FEATURES

Voltage drop limitation	
Whitecroft recommend a maximum voltage drop of 0.8v. per circuit. Maximum continuous circuit lengths to comply with this, are:-	
300W load	Maximum length 4.5m
250W load	Maximum length 5.5m
200W load	Maximum length 7.0m
150W load	Maximum length 9.5m
100W load	Maximum length 15.0m
Transformers	
Fully protected 240V/12V suitable for track use only	
TX3TT	300VA Remote – supplies 150VA to each track circuit
TX6TT	600VA Remote – supplies 300VA to each track circuit
Track section dimensions	
25mm width	30mm height
Installation	
Track sections can be mounted directly to surface or suspended on wires (max. 500mm drop)	



SECTION AND COVER STRIP



SPOTLIGHT ADAPTOR



LIVE END



IN-LINE COUPLER



90° COUPLER



T COUPLER



X COUPLER



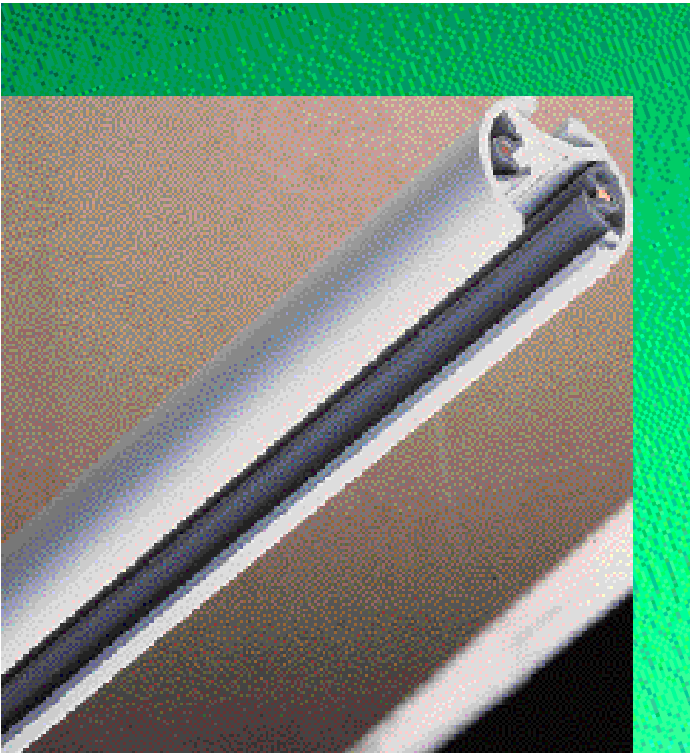
SUSPENSION KIT

Track Systems

DIRECT M ~ MAINS VOLTAGE 16A LOW PROFILE SINGLE CIRCUIT TRACK SYSTEM

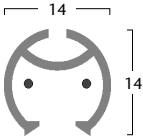
Direct M track is manufactured from extruded aluminium with a maximum rating of 16 amps from a 240V mains supply. Available as standard kits including 1200 or 2000mm track lengths and appropriate fixings, or as individual system components, the Direct M track is designed for use with Whitecrofts range of mains voltage spotlights and projectors.

See pages 142-145 and 152-153 in our Spotlight section.



STANDARD KITS	ORDER CODES
DT-M1200K2	1200mm 240V 16A single circuit track kit including three surface suspension brackets and an end power feed All finished in white
DT-M1200K3	1200mm 240V 16A single circuit track kit including three surface suspension brackets and an end power feed All finished in black
DT-M2000K2	2000mm 240V 16A single circuit track kit including four surface suspension brackets and an end power feed All finished in white
DT-M2000K3	2000mm 240V 16A single circuit track kit including four surface suspension brackets and an end power feed All finished in black

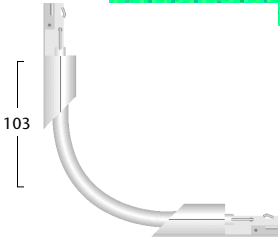
SYSTEM COMPONENT	ORDER CODES
DT-M30002	3000mm length of track finished white. (Can easily be cut to specific lengths on site)
DT-M30003	3000mm length of track finished black. (Can easily be cut to specific lengths on site)
DT-MSM2	Surface mounted brackets, set of 2, white
DT-MSM3	Surface mounted brackets, set of 2, black
DT-MPF2	Mains track end power feed, white
DT-MPF3	Mains track end power feed, black
DT-MPFC2	Mains track power flexible coupler, white
DT-MPFC3	Mains track power flexible coupler, black



DT-MSM3



DT-MPF2



DT-MPFC3

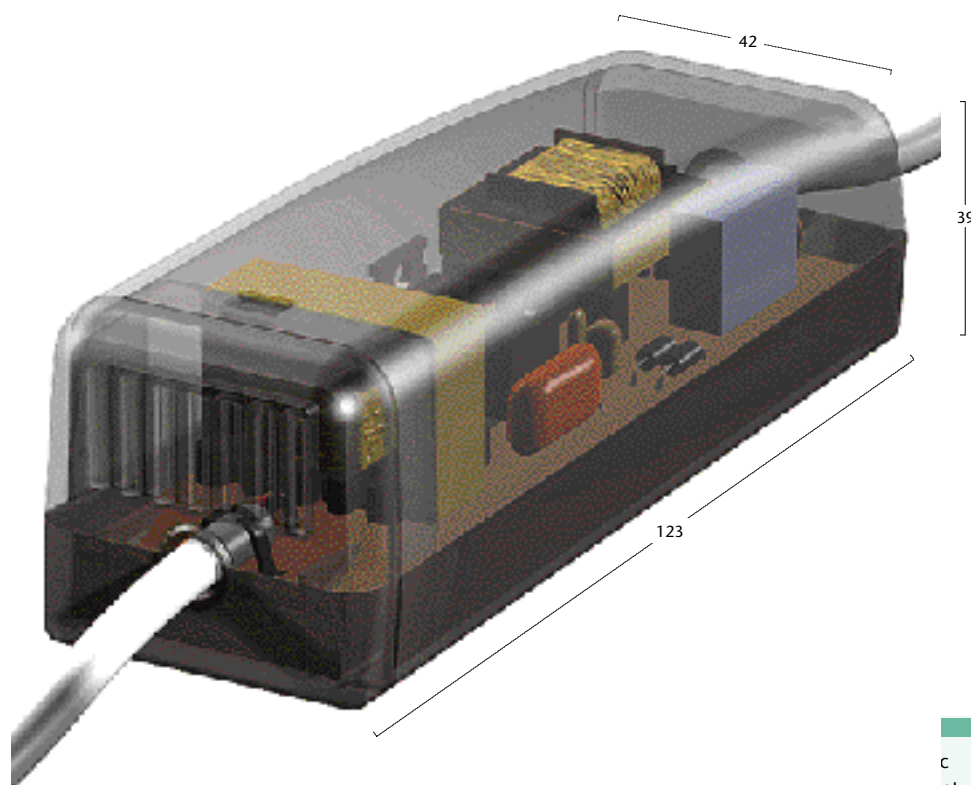
Digital Driver™

DIGITAL DRIVER™ FOR HALOGEN LAMPS

Digital Drivers are the next generation of lighting power supply. They follow on from Electronic Transformers and ballasts. They are based around the use of digital technology which frees the product from constraints of analogue oscillators with fixed frequency and duty cycle. The technology used in Digital Drivers allow output characteristics to be perfectly tailored for optimum lamp performance, lifetime and efficiency.

The WDD060D uses this technology to drive a 12 volt 20va to 60va tungsten-halogen load from a 230/240 volt supply.

ORDER CODE	
WDD060D	Digital driver for 60VA max



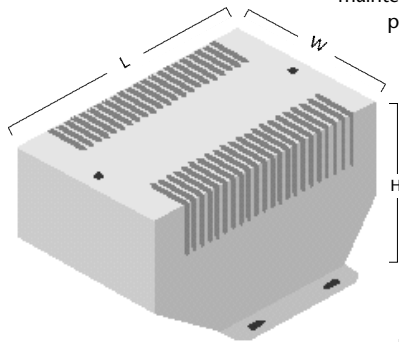
transformers due to the lower component count and absence of temperature gauging components.

- Over 90% efficiency, compared with 80% for a typical Electronic Transformer leading to reduced energy costs.
- Unlike Electronic Transformer the Digital Driver maintains optimum output voltage independent of variations in the main voltage and output load.
- A styled, smoked grey transparent plastic enclosure designed to easily pass through a low voltage ceiling cut-out.
- 400mm connection leads on input and output for quick and easy connection.
- Dimmable using compatible hard-fired or inductive dimmers.

Transformers

TXS TRANSFORMER RANGE AND ELECTRONIC TRANSFORMERS

TXS Transformer



The TXS range of transformers have been especially developed for simple installation and maintenance. Each TXS transformer provides total circuit protection via the use of both primary and secondary fuses and an automatically resettable thermal cut-out. The primary is cable clamped and fused, and the secondary fuse panels have been positioned for ease of access, enabling speedy connection of cables onto a clearly marked PCB fuse board. The entire unit is housed within a fully ventilated metal box, even the shape has been ergonomically designed. Welded seams reduce noise.

All TXS transformers are designed for use with extra low voltage 12V lighting, providing continuous efficient use.

The TX301T and TX602T are designed for use with single circuit low voltage track only.

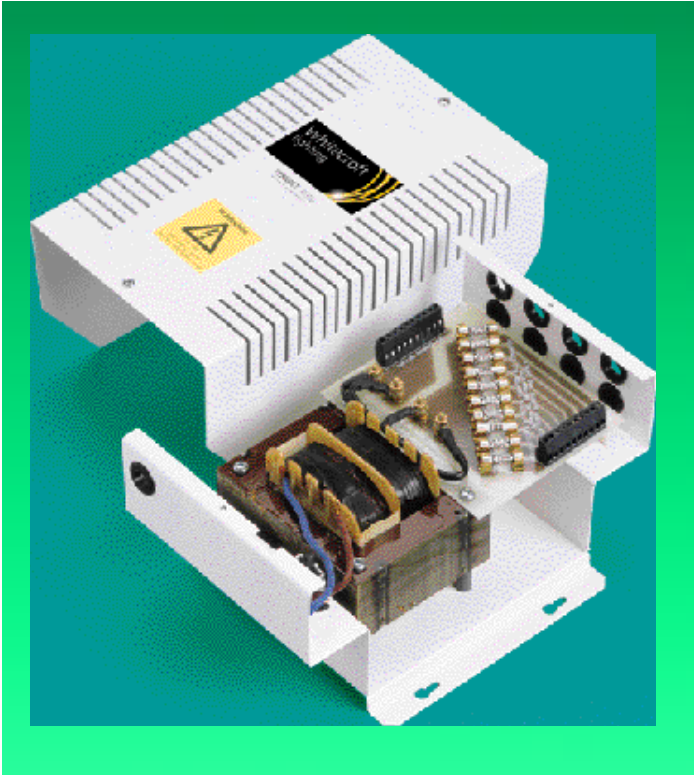
Built to comply with EN60742.

Fuse protection in accordance with BS1362, enabling compliance with current IEE wiring regulations.

INSTALLATION

Transformers should be installed in an accessible, ventilated area. They must be firmly fixed to the mounting surface, which can be in any plane.

NB: transformers should not be under-run by more than 80%. Full technical specification available on request.



TXS500



ORDER CODES	Max. number of lamps			No. fused terminals	Weight Kg	Dimensions		
	20W	35W	50W			L	W	H
TXS100	5	-	2	2	2.96	215	158	100
TXS150	7	4	3	3	3.28	215	158	100
TXS200	10	5	4	4	3.74	215	158	100
TXS250	12	7	5	5	3.78	215	158	100
TXS300	15	8	6	6	3.78	215	158	100
TXS400		11	8	8	6.66	290	198	120
TXS500		14	10	10	9.80	290	198	120
TXS600		17	12	10	9.12	280	215	155
TXS750			14	10	10.38	280	215	155
For Single Circuit Track								
TXS301T	15	8	6	1	3.78	215	157	108
TXS602T	30	17	12	2	9.26	290	220	157
For TwinTrack								
TX3TT	15	8	6	2*	6.90	382	215	122
TX6TT	30	17	12	2*	7.30	382	215	122
Electronic Transformers								
WELT60	3	1	1	1	0.11	-	-	-
WELT105	5	3	2	1	0.11	-	-	-

*Manual reset circuit breakers

Electronic Transformer



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Transformers



TD5050B

TD TRANSFORMER RANGE

The TD range of transformers, for use with extra low voltage 12V lighting, is designed to be contractor friendly. Each transformer will insert through the standard cut-out sizes of Whitecroft low voltage Downlighters, for size compatibility check luminaire dimension diagrams and the table below.

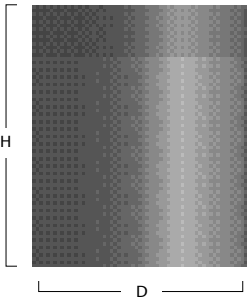
The dedicated 20, 35, 50VA transformers and the multiway current limiting 105, 150, 200, 250 and 300VA transformers are double wound and potted within a laminated housing for effective heat dissipation and durability. All versions are fitted with an auto resetting thermal cut-out.

The dedicated transformers are supplied with 500mm of 2 core multistrand secondary cable and fixing strap. The higher rated transformers incorporate the current limiting feature on the secondary side for flexibility when planning installations.

This comprehensive range of transformers is manufactured to Class 2 International Safety Standards as specified by IEC742.

NB: Transformers should be used with the correct wattage of fittings only. Full technical specifications available on request.

ORDER CODES	Max. number of lamps			No. fused terminals	Diameter D mm	Height H mm	Weight Kg
	20W	35W	50W				
TDS020B	1	–	–	1	63	106	0.93
TDS035B	–	1	–	1	63	106	0.93
TDS050B	–	–	1	1	63	106	0.93
TDS105B	5	3	2	2	100	107	2.5
TDS150B	7	4	3	3	118	147	2.5
TDS200B	10	5	4	4	118	147	3.6
TDS250B	12	7	5	5	118	147	3.6
TDS300B	15	8	6	6	118	147	3.6



TDS105B

POWERPACK

Emergency conversion for low voltage lighting

The Whitecroft Powerpack is ideally suited for use in applications where aesthetics are of paramount importance, such as in hotel foyers and reception areas. They can, however, operate equally well in industrial environments. No separate low voltage transformer required.

Powerpack's sophisticated solid state electronic circuitry is linked to a set of batteries which can instantly turn any linked fixture into the emergency mode.

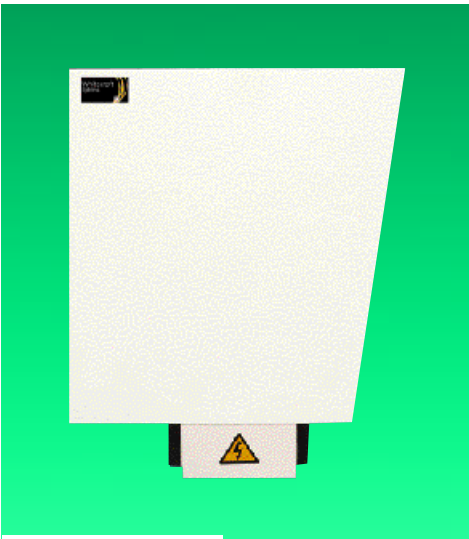
Now, emergency lighting can be provided anywhere low voltage fixtures are used, quite simply with Powerpack.

Supplied in two parts as a powerpack and base plate, incorporating mounting bracket and terminal box, for simple speedy installation. Plug and socket terminal block offers safety in use.

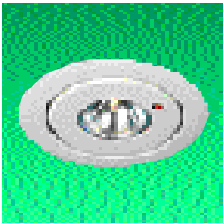
GOOD REASONS FOR INSTALLING WHITECROFT POWERPACKS

- Supplied with sealed lead acid, maintenance free batteries with a 5 year life, easily replaced
- Solid state electronic control system for battery charging, monitoring and control
- LED indicator shows trickle charge and fault indication
- Both non-maintained and maintained versions with one product
- Compatible with any tungsten light source which is complementary to all Whitecroft low voltage fittings

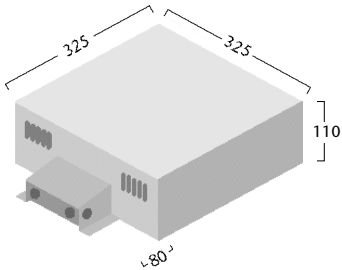
ORDER CODE	
EPL16E3	3 hour emergency battery pack



EPL16E3

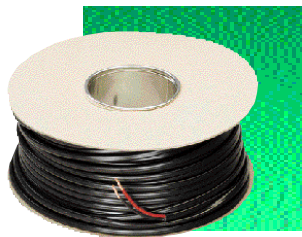


LDR20E2 FOR USE WITH EPL16E3



SPECIFICATION			
Max no. of lamps	20W × 2	35W × 1	50W × 1
No. fused terminals	2		
Weight Kg	13.5		

Options



CABLE

This cable is recommended for all low voltage installations except low voltage track. It should be used between the secondary 12V side of the transformer and the luminaire.

ORDER CODES	
CAB050	50 metres Cable
CAB100	100 metres Cable

	MAXIMUM RECOMMENDED CABLE LENGTH			
Power/cable size	1.0mm ²	1.5mm ²	2.0mm ²	2.5mm ²
20w	8.5m	12.5m	17.0m	21.0m
35w	4.9m	7.0m	9.5m	12.0m
50w	3.5m	5.0m	6.8m	8.4m

SIZE	
2mm	2 core
Multistrand cable	17.5 amp rated

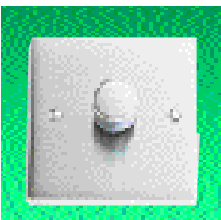
COLOUR
Black

DIMMERS

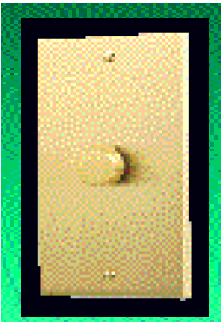
The dimmers supplied by Whitecroft are for use with low voltage transformers only. They are inductive and 2 way. Use a size of dimmer which is the same as, or greater than, the wattage of transformer with which it is to be used.

ORDER CODES	
ID2501W	250W Dimmer White
ID2502W	2 × 250W Dimmer White
ID300SB	300W Dimmer Satin Brass
ID300SC	300W Dimmer Satin Chrome
ID5001W	500W Dimmer White
ID500BR	500W Dimmer Bronze
ID500SB	500W Dimmer Satin Brass
ID500SC	500W Dimmer Satin Chrome

RANGE	
ID2501W	1 gang 2 way max. 250W
ID2502W	2 gang 2 way max. 2 × 250W
ID300	1 gang 2 way max. 300W
ID500	1 gang 2 way max. 500W



ID300SC



ID500SB