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BC073/2 Imaging Support

06/06

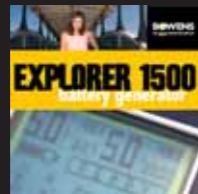
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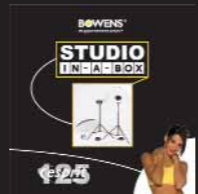
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# the working studio...

Today's working studio is a busy place full of expensive equipment that deserves only the best support systems.

All Bowens support systems have been designed with a busy professional studio in mind ensuring they are robust whilst still being practical enough for everyday use.





# HiGLIDE



## Designing Your System

## PRECISION STUDIO TRACKING SYSTEM...

### Today's Working Studio..

By removing the need for lighting stands and trailing cables the HiGlide system from Bowens not only increases your shooting space but transforms your studio into an efficient working environment.

As well as making a better working environment the HiGlide also creates incredible lighting flexibility. All your lights, accessories, powerpack's and backdrops can all be suspended and positioned exactly where you need them; making the best use of your studio space.

The floating rails allow for quick and easy horizontal positioning while the comprehensive range of adjustable mountings and extension tubes provide full vertical height control. Locking devices hold everything in place so there is no chance of disturbing your carefully created lighting set-ups.

The HiGlide can be used in just about any studio and the wide range of hardware and accessories ensure that you can create a set-up that will be perfect for your studio. This brochure will help show what can be achieved with Bowens HiGlide and the items that make up this creative versatile system.

Designing a HiGlide system for your studio may be a lot easier than your first thought. By following the simple steps in this brochure you can learn how to create a set-up that's right for your studio.

### Can I Use The HiGlide in My Studio?

First check whether you have enough clearance height for the HiGlide to be effective. We recommend that 2.8m from floor to ceiling is the minimum requirement and 3.5m the optimum height. Secondly, is the ceiling going to be strong enough to support the weight? Remember that it will have to carry the combined weight of the rail system and all of your equipment.

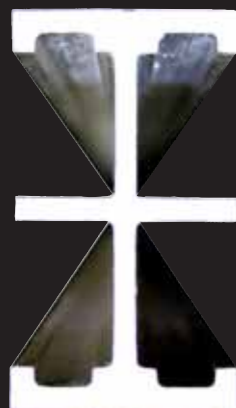
### The Design.

This is largely up to you but here are some basic rules. You will need a minimum of two fixed/static rails which will be attached parallel to each other on the ceiling. These should be placed about 1.8m apart

(depending on the fixings available) so that the floating rail(s), when placed at 90° to the fixed rail, has about 60cm overhang at each end. If the fixed rails are too far apart the floating rail(s) will only be able to move at right angles to the fixed rails. For larger spaces, three or more fixed rails can be used; it is recommended to use three fixed rails when using the longer 4.5m floating rails.

Consider where you will want to place your lights and be sure your design allows you to do this. You may want to always shoot in the same direction, though the flexibility of the HiGlide allows you to create more adventurous set-ups. If you draw a plan of your shooting space you can start to design a system that will be right for your needs. Remember that floating rails can be extended beyond the fixed rails so you will gain shooting space well beyond the position of your fixed rails.

Step By Step Guide To  
Designing Your System..



- STEP 1 -



- STEP 2 -



- STEP 3 -



- STEP 4 -

**STEP 1. Choosing The Rails.**

By now you should have an idea of how long the rails will need to be for your studio. If you need longer rails, the fixed rails can always be extended using Rail Joining Plates (BW2633). Floating rails cannot be extended.

At every point where a fixed rail crosses a floating rail you will need a Double Carriage (BW2603) and for stability we recommend that you use at least one Double Carriage with Brake (BW2620) on each floating rail.

**STEP 2. Selecting The Fixings.**

It is very important that you use the correct fixings for your ceiling, and that you use enough of them to safely support the weight of the HiGlide system and all the equipment being supported. (All weights listed in this brochure include products packaging).

Always attach to a load bearing part of the structure (wall or ceiling). If the ceiling height is too high, use the Drop Supports to lower the height of the fixed rails so that they are at a correct level. It is important that the fixed rails are level when secured otherwise the floating rails will not hold their positions.

**STEP 3. Attaching Lights To The Rail.**

By now you should have decided what you are going to hang from the rails and how you will do it. Everything will need a carriage to mount it onto the rail. For lighter weight items use a Single Carriage (BW2604), for heavier items the 6 Wheel Carriage (BW2628) will allow for easier, more fluid movement.

To add items after your HiGlide has been installed, you can use the Addalite Carriage (BW2660) which can be fixed to a rail without dismantling the whole system.

**STEP 4. Attaching Lights To The Carriages.**

If you want to always have your lights at the same height then a fixed Length Extension Tube (30, 60, or 90cm) can be used along with an additional Adaptor Spigot (BW2652), otherwise the Litelift Pantographs allow the units to be easily raised and lowered. The Litelifts are supplied with two springs (type 1 & type 2 springs). If the item you are mounting weighs more than 5.4Kg you will need additional stronger springs (type 3 & type 4 springs); always consider the weight of any light/generator etc and accessories that you may be attaching to the HiGlide.

If you plan to use heavy accessories on your lighting (such as large softboxes or spotlights) a Centre Of Gravity Bar (BW2622) should be used to reposition the centre of gravity and avoid any unnecessary damage to the Litelifts.



- STEP 5 -

## Rails



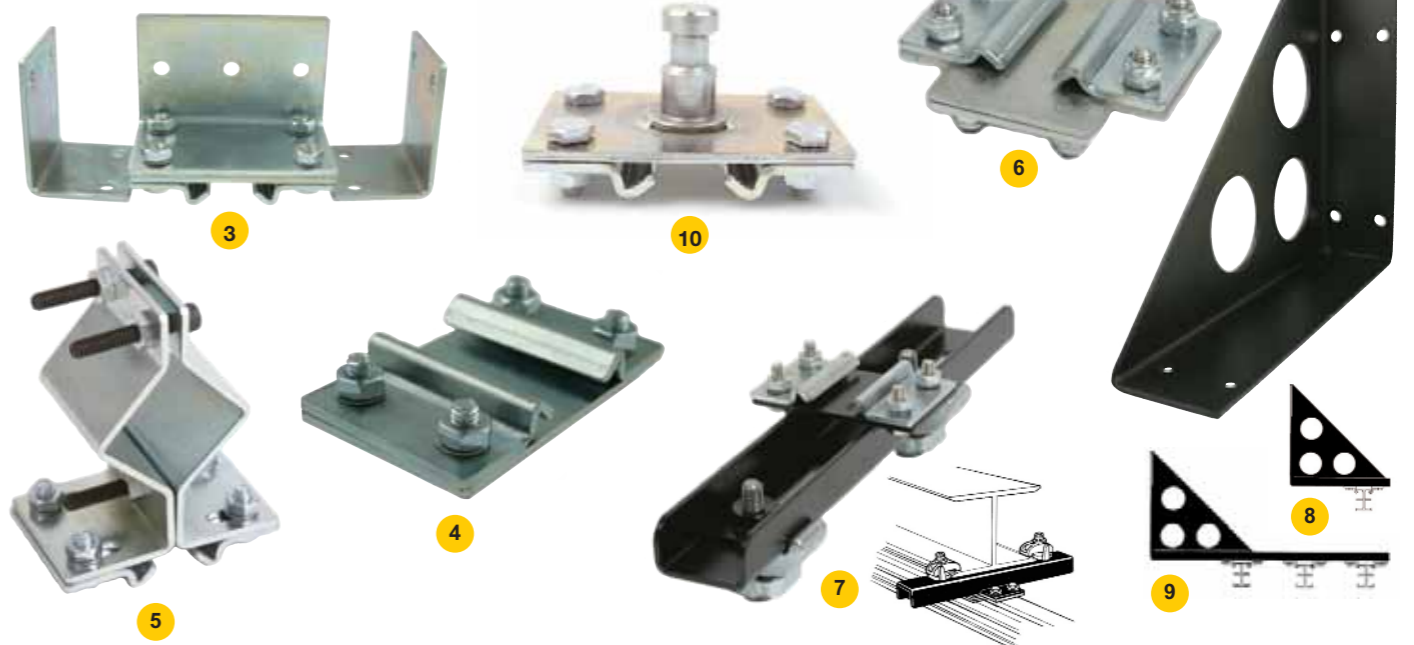
1



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## The System.

## Rail Fixings & Attachments



### STEP 5. Completing Your System.

As everything will have mains cables attached, these too will need to be tidied away; Cable Runners (BW2634) slid onto the rail to support all loose cables. If too many cables are needed to run along a rail then the Top Running Cable Carriage (BW2681) has been designed to run along the top of, rather than beneath a rail and will help to keep all the cabling neat and tidy.

Finally, do you need any extra accessory fittings such as the Background Paper Hook (BW2643) for hanging backgrounds or Curtain Runners (BW2634) to hold a curtain or large canvas backgrounds?

### RAILS.

- 1 **HiGlide Support Rails** are manufactured from structural grade aluminium ensuring a strong, lightweight system. (Rails are supplied in pairs).  
**BW2656** Rail 2m (3.5Kg per rail).  
**BW2600** Rail 3m (5.5Kg per rail).  
**BW2601** Rail 4.5m (8Kg per rail).

2 **Rail Joining Plate**

The Joining Plate is used to increase the length of fixed rails or to join together a perimeter track. The Joining Plate cannot be used to lengthen floating rails. **BW2633** (314g).

### RAIL FIXINGS & ATTACHMENTS.

- 3 **Universal Fixing Bracket**  
 The Universal Fixing Bracket is a full set of brackets, rail clamps and fittings to attach rails to a flat or vertical surface either parallel or at right angles to the rail. **BW2605** (600g).
- 4 **Short Fixing Bracket**  
 For fixing rails to flat ceilings. **BW2629** (227g).
- 5 **Scaffold Clamp**  
 This allows rails to be mounted parallel to a standard scaffold pole. (Can be used with BW2632). **BW2626** (502g).
- 6 **Back to Back Clamp**  
 The Back to Back Clamp is used for mounting rails at 90° to the fixing bracket or to each other. **BW2632** (374g).
- 7 **Adjustable Girder Clamp**  
 The Adjustable Girder Clamp attaches rails to Girders (RSJ or I Beams) with widths from 6 to 20cm. (Can be used with BW2632). **BW2650** (1.5Kg).
- 8 **Rail Wall Mounting Bracket**  
 This allows a single rail to be mounted from a wall. **BW2642** (1.2Kg).
- 9 **Triple Rail Wall Mounting Bracket**  
 Up to three rails can be simultaneously connected for mounting perimeter curtains & cycloramas. **BW2646** (2Kg).
- 10 **Fixed Rail Clamp with Spigot**  
 This clamp with spigot is used to attach items to the rail system that will not be required to move. **BW2635** (275g).



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## Carriages



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### RAIL FIXINGS & ATTACHMENTS. CONT.

**11** The fixed length **Drop Ceiling Supports** allow the rails to be fixed at the correct height for effective operation. (We recommend 3.5m from the floor).

- BW2661** Drop Ceiling Support 30cm (800g).
- BW2662** Drop Ceiling Support 60cm (1.2Kg).
- BW2663** Drop Ceiling Support 100cm (1.8Kg).

**12** The **Adjustable Drop Ceiling Supports** are designed to be used when a ceiling height is uneven. Drop Supports are recommended when mounting the HiGlide through false or suspended ceilings which would not be able to support sufficient weight.

- BW2666** Adjustable Drop Ceiling Support 30-40cm (1.2Kg).
- BW2667** Adjustable Drop Ceiling Support 50-60cm (1.4Kg).
- BW2668** Adjustable Drop Ceiling Support 100-110cm (2.2Kg).

### CARRIAGES.

**13** **Double Carriage**  
The Double Carriage allows two rails to be attached while still allowing full movement between them. **BW2603** (392Kg).

**14** **Double Carriage with Brake**  
The Double Carriage with Brake will stay locked in position and should be used at least one per rail to rail connection to ensure rails stay in their desired position. **BW2620** (400g).

**15** **Single Carriage**  
The Single Carriage allows equipment to be attached to the rails. **BW2604** (400g).

**16** **6 Wheel Single Carriage**  
For heavier items, the 6 Wheel Carriage ensures smooth operation. **BW2628** (410g).

**17** **6 Wheel Single Carriage with Brake**  
A braked version of the smooth running 6 Wheel Carriage makes sure that your lights stay in their set position. **BW2648** (600g).

**18** **Addalite Carriage**  
This specially designed carriage can be subsequently added to the rail without removing the rail end stops. **BW2660** (399g).

**19** **Cable Transfer Runners (pack of 5)**  
Cable Transfer Runners carry the cable along the rails. **BW2607** (130g; pack of 5).

**20** **Top Running Cable Carriage**  
This transports cables along the top of the rail rather than hanging beneath. **BW2681** (175g).

## Litelifts & Extensions



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## Accessories



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### LITELIFTS & EXTENSIONS.

#### 21 LiteLift Pantograph with 5/8" Spigot inc. Springs and Safety Cable

The LiteLift extends from 34cm (minimum) to 189cm (maximum) and includes two compensator springs, safety cable and a spring removal key. **BW2608** (4.4Kg).

#### 21 LiteLift Pantograph (short) with 5/8" Spigot inc. Springs and Safety Cable

The short LiteLift has a minimum extension of 28cm and has a maximum of 121cm and is designed for lower ceiling heights. Supplied with two compensator springs, safety cable and spring removal key. **BW2608/S** (3.4Kg).

#### 22 Extension Tubes connect directly to the 5/8th spigot either on the carriage or below the Litelift for longer drops.

**BW2615** 30cm Extension Tube (400g).  
**BW2616** 60cm Extension Tube (600g).  
**BW2617** 90cm Extension Tube (1Kg).

#### 23 Springs ensure that the Litelifts hold their desired position. Higher numbered springs are designed to support greater weights. Springs can be used individually or in pairs. The table opposite on page 12 shows recommended combinations.

**BW2610** Type 1 Spring (200g).  
**BW2611** Type 2 Spring (400g).  
**BW2612** Type 3 Spring (400g).  
**BW2613** Type 4 Spring (400g).

### Recommended Spring Combinations For Pantographs

WEIGHT Kg	SPRINGS
1.8 - 2.7Kg	1 x Type 2
2.7 - 3.6Kg	2 x Type 1
3.6 - 5.4Kg	1 x Type 1 & 1 x Type 2
5.4 - 7.3Kg	2 x Type 2
7.3 - 8.2Kg	1 x Type 3 & 1 x Type 2
8.2 - 9.0Kg	1 x Type 3 & 1 x Type 4
9.0 - 10.0Kg	2 x Type 4
18 - 20.0Kg	4 x Type 4

### ACCESSORIES.

#### 24 Centre of Gravity Bar

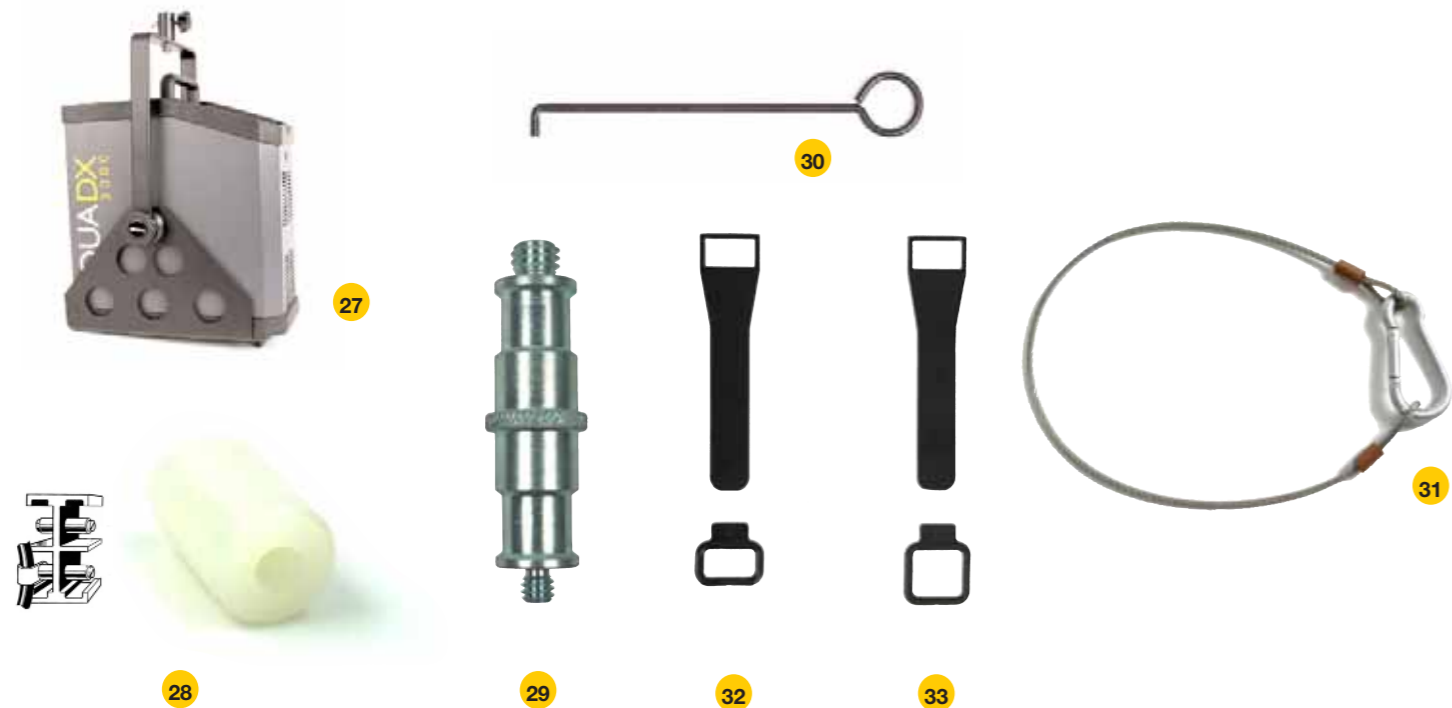
Some large accessories such as softboxes or spotlights may have a different centre of gravity that may distort the Litelift. Using the COG Bar restores the centre of gravity to the correct position. **BW2622** (600g).

#### 25 Background Paper Carrier

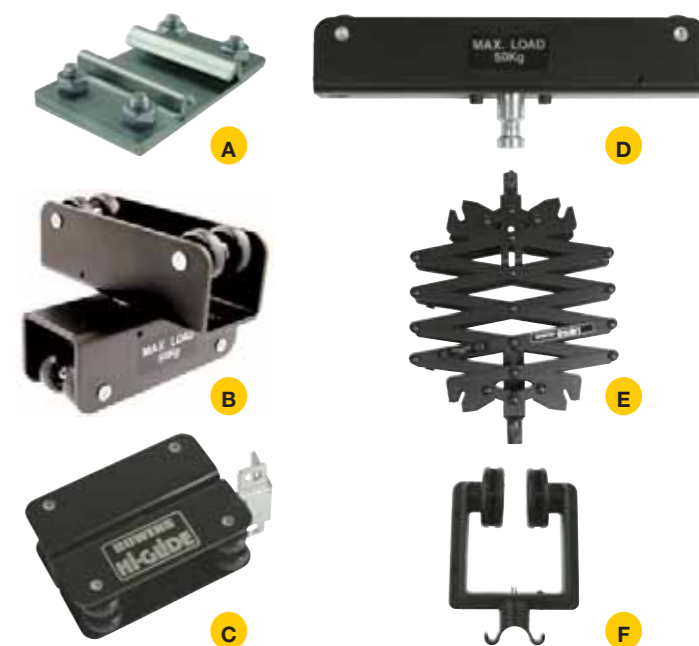
A pair of hooks to carry up to three rolls of background paper on a floating rail. **BW2649** (1.8Kg).

#### 26 Curtain Runners

Use these to connect curtains, canvas or muslin background cloths directly to the HiGlide rail. **BW2634** (444g).



## HiGlide Starter Kit



### ACCESSORIES. CONT.

#### 27 QuadX HiGlide Bracket

Enables you to put your QuadX onto the HiGlide getting it off the floor creating more studio space and helps to remove all unsightly and dangerous trailing powers cords. **BW7680** (2.4Kg).

#### 28 Set of End Stops

A set of End Rail Stops. Includes 8 x end stops plus all screws and bolts. **BW2606** (74g).

#### 29 Adaptor Spigot

This converts the female end of the Extension Tubes to a male spigot for attaching lighting units. **BW2609** (86g)

#### 30 Spare Spring Removal Key.

A Spring Removal Key should always be used when altering a springs tension when attached to Litelifts. **BW2614** (50g).

#### 31 Safety Cable

A single Safety Cable should be used for all connections on HiGlide system; lights to pantographs, pantographs to carriages, carriages to rails etc. **BW2619** (57g).

#### 32 Cable Fixing Kit Small Band (10)

Tool and bands to attach mains cables to the outside of Litelifts and Cable Transfer Runners. **BW2618** (27g per pack).

#### 33 Cable Fixing Kit Large Band (10)

Tool and large bands appropriate for larger diameter or multiple cables. **BW2625** (29g per pack).

#### 34 Spigot Converter (5/8 - 1 1/8")

Converts the standard 5/8" spigot to 1 1/8". **BW2652** (400g).

#### 35 Spring Retaining Clip

Spare Retaining Clip for securing springs to Litelift. **BW2699** (16g).

### HiGlide STARTER KIT. (without rails). **BW2630A.**

This set contains everything (except rails) to create a three head HiGlide system. It is also a good basis for many other HiGlide configurations and is great for most small to medium sized studios.

Kit contains:

- A. 6 x BW2629 Short Fixing Kit.
- B. 2 x BW2603 Double Carriage.
- C. 2 x BW2620 Double Carriage with Brake.
- D. 3 x BW2604 Single Carriage.
- E. 3 x BW2608 Litelift (inc springs, safety cable, spigot & cable fixings).
- F. 5 x BW2607 Cable Transfer Runners.

## What the Professionals think...

We spoke to professional fashion and portrait photographer Jon Gray in his north London studio about what he thought of his Bowens HiGlide system.

“The HiGlide is a great system; aside from being easy to use one of my favourite aspects of having a HiGlide rail system installed in a busy working studio is the amount of extra shooting space it create’s. I don’t have the largest studio so shooting space is somewhat limited, having a rail system installed has given me so much more space to work with.

What I also like about the HiGlide system is how easy it is to move and position my lights anywhere I need them, the lights themselves are attached to pantographs which move up and down enabling me

to position them at whatever height I want them at; also the pantographs are attached to the rails by small carriages with wheels on them so you can move the lights along the rails. The floating rails which the lights are attached to are connected to the fixed rails by carriages too so I can move the whole rail closer or further away from my background, once depending on where I want my lights.

When I first had my HiGlide system installed it was like I’d moved into a completely new studio, it gave me so much more space and allowed me to be more creative with my lights too. I can now position and set up my lights in any configuration around my subject rather than being constricted and fighting for shooting space with light stands and props and having the worry of tripping over loose cables”.



### PARTS AND SPARES.

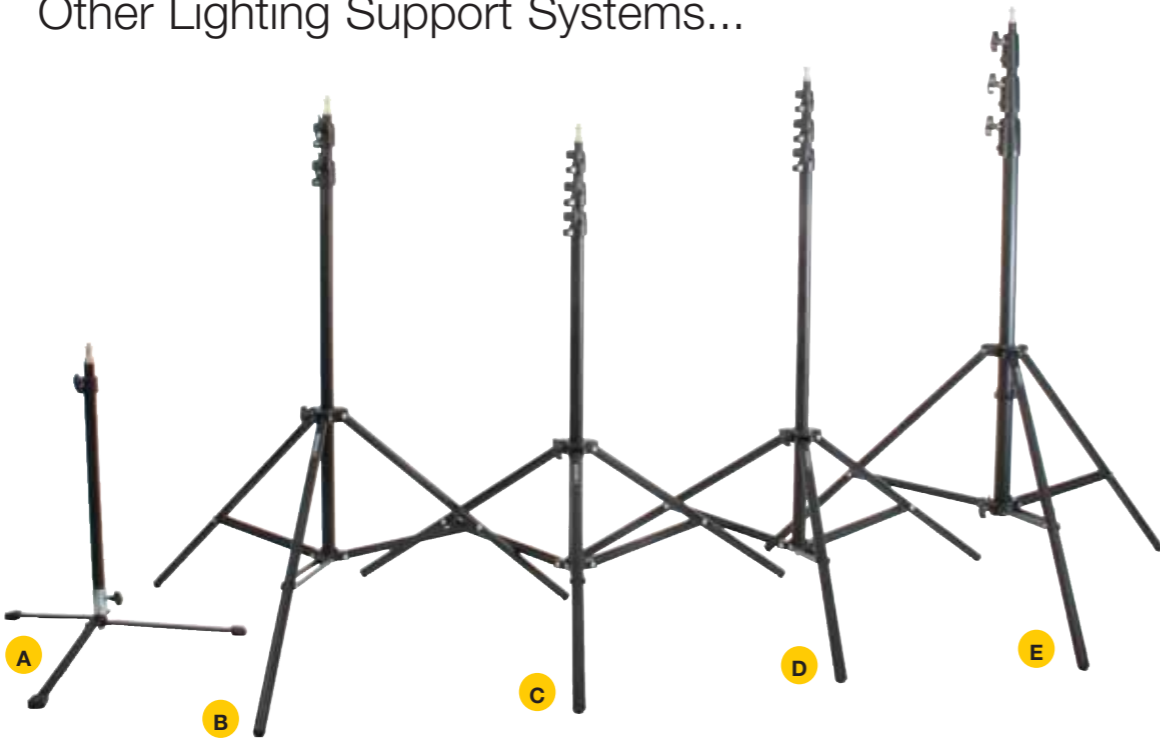
**BW2600** 3m HiGlide Support Rails (2) inc. End Stops.  
**BW2601** 4.5m HiGlide Support Rails (2) inc. End Stops.  
**BW2603** Double Carriage.  
**BW2604** Single Carriage.  
**BW2605** Universal Fixing Bracket Assembly.  
**BW2606** End Stops (set of 4).  
**BW2607** Cable Transfer Runners (set of 5).  
**BW2608** Litelift Pantograph (5/8" spigot, springs and safety cable).  
**BW2608/s** Litelift Pantograph - short drop (5/8" spigot, springs and safety cable).  
**BW2609** Adaptor Spigot 5/8".  
**BW2610** Type 1 Spring.  
**BW2611** Type 2 Spring.

**BW2612** Type 3 Spring.  
**BW2613** Type 4 Spring.  
**BW2614** Spare Spring Removal Key  
**BW2615** 30cm Extension Tube.  
**BW2616** 60cm Extension Tube.  
**BW2617** 90cm Extension Tube.  
**BW2618** Cable Fixing Kit - small band (set of 10).  
**BW2619** Safety Cable.  
**BW2620** Double Carriage with Brake.  
**BW2622** Centre of Gravity Bar.  
**BW2625** Cable Fixing Kit - Large Band (set of 10).  
**BW2626** Scaffold Clamp.  
**BW2628** 6 Wheel Single Carriage.  
**BW2629** Short Fixing Kit (for fixing to a flat ceiling).  
**BW2631** 2m Radius Rails (2) inc. End Stops.

**BW2632** Back to Back Rail Clamp.  
**BW2633** Rails Joining Plates (21cm).  
**BW2634** Curtain Runners (set of 10).  
**BW2635** Fixed Rail Clamp with Spigot.  
**BW2638** 61cm Drop Ceiling Tube.  
**BW2642** Rail Side Mount Bracket (for fixing a single rail to the wall).  
**BW2646** Triple Side Mount Bracket (for fixing up to three rails to a wall).  
**BW2648** 6 Wheel Single Carriage with Brake.  
**BW2649** 3 Hook Background Paper Carrier (2) on carriages.  
**BW2650** Adjustable Girder Clamp.  
**BW2652** 5/8" - 1 1/8" Spigot Converter.  
**BW2656** 2m HiGlide Support Rail (2) inc. End Stops.

**BW2657** Adjustable Drop Ceiling Support Flanges.  
**BW2658** Side Mount Bracket.  
**BW2659** Cross Mount Bracket.  
**BW2660** Addalite Carriage.  
**BW2661** 30cm Drop Ceiling Support.  
**BW2662** 50cm Drop Ceiling Support.  
**BW2663** 100cm Drop Ceiling Support.  
**BW2666** 30 - 40cm Adjustable Drop Ceiling Support.  
**BW2667** 50 - 60cm Adjustable Drop Ceiling Support.  
**BW2668** 100 - 110cm Adjustable Drop Ceiling Support.  
**BW2681** Top Running Cable Carriage.  
**BW2682** 18m 10 amp Mains Cable.  
**BW2699** Spring Retainer Clip for Litelift Pantograph.  
**BW7680** QuadX HiGlide Bracket

## Other Lighting Support Systems...



### Light Support Stands

The worlds best lights deserve the worlds best lighting support. Bowens lighting support stands represent exceptional quality while still maintaining great value for money. All Bowens support stands are constructed using black anodised aluminium for a sturdy, more attractive and non-reflective appearance. Bowens stands also feature high quality aluminium locking clasps for the ultimate stability and maximum safety.

**A Backlite Stand.** The smallest of Bowens range of stands. Includes a removable extension tube. **BW6600**

**B Handy Stand.** The Handy Stand has been designed to be lightweight and small enough for ease of portability, and durable enough to withstand the rigours of studio and location work. The Handy Stand has a maximum height of

195cm and closes down to 85cm. **BW6605**

**C Compact Stand.** This portable and lightweight entry level light support stand reaches 303cm and closes to 87cm. **BW6610**

**D Portable Stand.** A superb all-purpose light stand, essential when extra height is needed, it reaches 355cm and closes to 100cm. **BW6615**

**E Heavy-Duty Stand.** This ultra-durable light support stand easily withstands the demands of a busy studio, with a maximum height of 390cm, the stands closes down to 115cm for portability. **BW6617**

BOWENS

## Reflector Discs



### Reflector Discs.

For when you need to add some cooler or warmer tones to your pictures Bowens professional Reflector Discs are the perfect solution. Bowens Reflector Discs are available in three different sizes and all feature both a gold side (for warmer tones) and a silver side (for cooler tones). Whilst being lightweight and easy to use, these reflector discs have been designed around a sturdy frame to withstand rigorous use and to provide years of dependable performance. When not in use, they effortlessly fold down to one third their open size and fit neatly into the bag provided.

\* (see picture above).

**E Gold/Silver Oval Reflector Disc**  
122cm x 92cm (48" x 36")

The largest of the Bowens Reflector Disc range - Folds down to 40cm (16"). **BW3265**

**F 81cm Gold/Silver Reflector Disc**  
81cm (32") Diameter.

The smallest Reflector Disc from Bowens range - Folds down to just 28cm (11"). **BW3225**

**G 107cm Gold/Silver Reflector Disc**  
107cm (42") Diameter.

The Larger of Bowens circular Reflector Discs - Folds down to 40cm (16"). **BW3245**

**H Telescopic Disc Holder**

For those of us who are not lucky enough to have a beautiful assistant to hold our reflector discs. This telescopic arm is universal to take any size disc and attaches onto any Bowens light support stand or most other make of stand. **BW3275**



### Pulsar Radio Trigger System

Whether you are triggering flash heads for complicated lighting setups or cameras for remote controlled shots or special effects, this system is for you. Each Pulsar unit can be either a transmitter or a receiver and is capable of sending or receiving signals up to 100m (328'). Unlike IR triggering systems, the radio-transmitted Pulsar operates around corners and through walls.

The Pulsar has four separate channels, enabling the photographer to isolate up to four light sources or to combine them and fire all of them at once. Additionally, the Pulsar has studio selector switch which provides isolation from other Pulsar units using the same channel. A clip-on platform is also available enabling you to clip your Pulsar to whatever you need to.

### Other Pulsar Features:

- Long battery life up to 200 hours of continuous use from two AAA batteries.
- Low voltage operation of just 3V making it ideal for use with sensitive digital cameras.
- Compact and lightweight design allows the units to be mounted directly onto your camera's hot shoe or to your generator, or monolights.

Length	-	90mm
Width	-	49mm
Height	-	44mm
Weight	-	122g

Pulsar Twin Pack	<b>BW5160</b>
Pulsar Single Unit	<b>BW5150</b>
Pulsar Clip-On Platform	<b>BW5155</b>

### Multi-Clip

One of the most valuable items in a photographers studio; the multiclip. With over a thousand different uses around the studio what photographer would be without one. **BW1826**

### Pulsar Clip-On Platform

The Pulsar clip-on platform is a handy way of attaching your radio trigger units to almost anything around your studio or even whilst out on location. Simply attach your loose Pulsar unit to the platform and clip onto whatever you need to. A great way of saving valuable time and effort in the studio. **BW5155**



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