LIGHTING

Flints do not supply theatre lanterns which we prefer to leave to the various excellent specialist companies.
The items listed here are those accessory items often used by props and stage as well as lighting departments.
Visit flints.co.uk to see the colours

About Lighting Gels

Filters were originally made from gelatin [hence "gels"] but by the 1950s Strand had developed acetate filters. Nowadays, there are two raw materials used in making colour filters, polycarbonate and polyester.

Polycarbonate is the material able to endure the highest heat and is liable to give the longest possible life.

There are two fundamental ways of manufacturing filters. The cheapest way is for the manufacturer to buy clear polyester film and to dye it on one or both surfaces. You can tell a film that is made this way because the colour can be removed by wiping the surface with a solvent or by scratching it. In most cases, it will be a perfectly serviceable filter but a problem will arise if you use it in colour scrollers. This is because during the manufacturing process the film is extruded thick and then stretched and rolled to produce the final thickness. This process puts a linear orientation into the film that causes it to shrink in width when heated. It will be prone to failure in colour scrollers.

The best filters are produced from pellets of the raw material that are deep dyed then extruded to the correct thickness and finally coated with a clear film on each side. Supergel is the only filter made this way.

Lee Filters reference numbers were developed by Fred Bentham of Strand. The numbering system was widely adopted in Europe. Rosco E-Colours were developed using surface-coated polyester to match these European numbers.

Supergel

Rosco Supergel is uniquely made from deep dyed pellets of polycarbonate extruded to the exact thickness and coated on either side with a microscopic clear film. It will not distort under heat and is ideal for colour Scrollers. Polycarbonate filter will last longer than polyester [Lee and E-Colour] and has better fire resistance. It will comply with virtually all fire regulations [DIN4102, B1, M1 etc.]. There are over 130 colours and 30 diffusion materials. Sadly Rosco no longer provide swatchbooks Free of Charge. When ordering use the codes below replacing the XXX with the gel number.

code	description	price
ROS103RXXX	Roll [7.62 m x 610 mm]	£130.00
ROS103SXXX	Sheet [500 mm x 610 mm]	£9.80
ROSBB07	Swatch book	£9.95

E-colour+

A surface-coated polyester film. The colours match the original Strand numbers with the addition of around 30 extra shades. 40 of the E-colours are coated on both sides due to the dye type but otherwise they are coated on one side. Sadly Rosco no longer provide swatchbooks free of charge. When ordering use the codes below replacing the XXX with the gel number from the swatch book.
Flints can also supply Cinegel colour correction filter and CalColor.

code	description	price
ROS062RXXX	Roll [7.62 m x 610 mm]	£122.00
ROS062FSXXX	Full sheet [530 mm x 1.22 m]	£9.00
ROS062HSXXX	Half sheet [530 x 610 mm]	£4.70
ROSBB05	Swatch book	£9.95

Matt Black Cinefoil

A specially coated matt black foil that soaks up light and is perfect for masking light leaks and eliminating reflections.

code	length	width	price
ROS360113	15.5m	304mm	£62.00
ROS360112	7.62m	610mm	£62.00
ROS360114	7.62m	1.22mm	£93.50

Black Foil Tapes

Blacktak is a heat resisting matt black foil tape which can be used to mask off lamps and light leaks without leaving residue. Do not confuse with "Black Tack" the gungy, blobby tape [page 299]. We also stock unbranded matt black aluminium foil tape. For plain aluminium tape see page 298.

code	length	width	price
TAP071	25m	50mm	£21.84
TAP071MF	25m	50mm	£19.95

Griplight

NEW

A heavy duty inspection lamp with spring loaded 50 mm plastic grip handle. Glass bulb protector and wire basket. Supplied with an 800 lumen low energy 10W LED light bulb (equivalent to 60 watt incandescent lightbulb). Replacement bulb also available.
Cable length: 5 m

code	description	price
ELEGRIPLE	Griplight	£26.59
ELEGRIPBULB	Spare Bulb	£3.98

LED Rechargeable Work Light

NEW

LED Inspection Torch that can be charged via USB or the integrated hand crank dynamo.
The USB charging would be preferable as it takes approximately 50 revolutions of the crank for 5 mins of charge but a useful option when you're in a bind. Features a magnet on the base for position on metal surfaces for hook it up with its 360 degree swivel hook. The Torch has 6 super bright LED's that have a 9 hour burn time and an output of 300 lumens.
Time taken for full charge: 4 hrs
Torch duration on full charge: 9 hrs
Protected to IP20

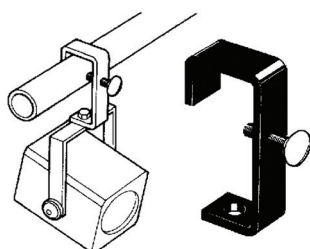| code	price
ELE11785901	£23.85

Non-LED Ultraviolet Floodlight

Stocked mainly to assist scenic artists while they paint, this new UV Floodlight is compatible with the Invisible UV Paints [page 32] and Flints Fluorescent Powders [page 32] producing a good effect with accurate colours. 2-year guarantee.
SPECIFICATION: 240 V/ 400 W. Dimensions: 490 x 270 x 150 mm. Weight: 8.58 kg.

code	description	price
ELE80319K	Floodlight 400 c/w Bulb	£1.78.48
ELE82485	Spare E40 Bulb	£42.09

HOOK CLAMPS

Standard Hook Clamps

Our standard satin black hook clamp is great value! For Wing Bolt Spanners see page 342. Also check out the Doughty Space Saver on page 374.

code	Type	Finish	SWL	price
FHS040HC	Standard 50mm	Satin Black	40kg	£8.47
DOU20100	Standard 50mm	BZP	40kg	£6.88
DOU20102	Medium 50mm	BZP	100kg	£6.99
DOU20400	Heavy-Duty 50mm	BZP	150kg	£11.53
DOU20401	Heavy-Duty 50mm	Satin Black	150kg	£13.34
DOU20200	Standard 30mm	BZP	15kg	£6.58

Truss Hook Clamp

A capture clamp plate prevents damage to thin wall aluminium truss. Fits 50 mm tube.

code	Finish	SWL	price
DOU21800	BZP	40kg	£10.67
DOU21801	Black	40kg	£13.20

Universal Hook Clamp

Fits tubes from 20 – 0 mm diameter.

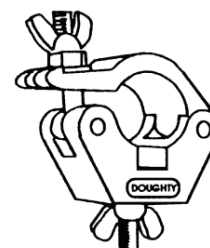| code	Finish	SWL	price
DOU21101	Black	40kg	£9.99

Twenty Clamp

The Twenty Clamp is an aluminium pressure die cast clamp designed to suspend luminaires up to 20 kg. This clamp can be secured to tubes with a diameter of 48 – 51 mm with just two turns of the Doughty Knob. Luminaires are secured via a captive M10 or M12 Bolt [M10 supplied]. Damage to tubes and trussing is eliminated by using an extruded trigger. This product is fully TUV Approved. Design Registered.
SPECIFICATION: Tube diameter: 48 - 51 mm. Width: 28 mm. Overall height: 100 mm. Weight: 280 g.

code	SWL	price
DOU58400	20kg	£15.91

"Hook" Clamp

Very popular high tensile aluminium clamps widely used for attaching scenery as well as lanterns to bars and trussing. Suited to large and heavy luminaries.

code	description	SWL	price
DOU57200	Fitted with M12 x 50 mm bolt	750kg	£33.04
DOU57201	Black version	750kg	£39.26
DOU58105	Fitted with M12 x 50 mm bolt	500kg	£28.68
DOU58106	Black version	500kg	£33.15

Triple E Hook Clamp

Designed primarily for the rapid attaching of Triple E tab tracks to truss or flying bars from 38 – 52 mm but equally suitable for attaching lanterns. Fitted with M12 x 50 mm bolt.
Width: 30 mm. Weight: 578 g

code	SWL	price
EEETRA14	100kg	£40.00

Quick Trigger Clamp

This clamp is the basis of all the Quick Trigger Clamps. A large Easygrip handle is fitted for ease of use. An extremely useful clamp for hanging valuable luminaries safely and easily.
SPECIFICATION: Tube Ø: 38 – 51 mm. Width: 50 mm. Fixings: M12 Hole. Weight: 760 g.

code	SWL	price
DOUT58201	250kg	£38.80

Slimline Quick Trigger Clamp

This clamp is the basis of all the Slimline Quick Trigger Clamps. A large Easygrip handle is fitted for ease of use. An extremely useful clamp for hanging valuable luminaries safely and easily.
SPECIFICATION: Tube Ø: 38 – 51 mm. Width: 30 mm. Fixings: M12 Hole. Weight: 490 g.

code	SWL	price
DOUT58301	100kg	£36.20

Double Ended Hook Clamp 90° Twist

Hangs a bar at right angles to the primary bar.

code	SWL	centre size	price
DOU21700	40kg	300mm	£15.08

Double Ended Hook Clamp Parallel

Under-hangs a bar directly under the primary bar. BZP finish.

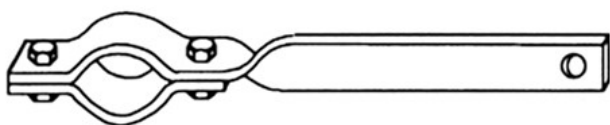| code	SWL	centre size	price
DOU20500	40kg	150mm	£12.96
DOU20700	40kg	150mm	£13.72
DOU20710	40kg	600mm	£15.43

Boom Arm 48 mm Ø Tube

A length of 48 mm Ø alloy tube welded to an aluminium coupler.
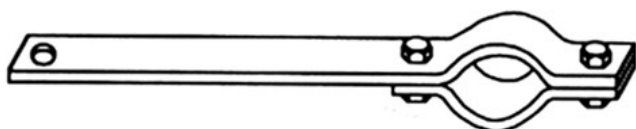Note: Max load is when used on a vertical bar. On a horizontal bar the arms will rotate at around 8 kg.

code	Finish	length	max load	price
DOU57310	self-colour	250mm	100kg	£58.71
DOU57311	satin black	250mm	100kg	£62.50
DOU57315	self-colour	500mm	75kg	£65.51
DOU57316	satin black	500mm	75kg	£70.47
DOU57320	self-colour	1m	25kg	£72.76
DOU57321	satin black	1m	25kg	£77.75

Standard Boom Arm 90° Twist

Designed to hold a light to a vertical rigging pipe. Features a 90° twist.

code	description	price
DOU30500	Standard Boom Arm	£13.83

Straight Boom Arm

Designed to hold a light to a horizontal rigging pipe.

code	description	price
DOU30600	Straight Boom Arm	£13.83
DOU30601	Straight Boom Arm [black]	£18.81

Poly Board Holder

The best-looking Poly Board Holder in smart black powder-coated steel. Floor standing. Takes a 50 mm sheet but extend their usefulness by having one side a sheet of our 25 mm white FR polystyrene and the other side a sheet of our 25 mm black FR polystyrene [find the range on page 114] – white for a soft light, black to create harsh shadows for sculpting. With four non-marking plastic stand off feet.
Dims L x W x H: 457 mm x 216 mm x 267 mm.

code	weight	takes sheet size	price
DOUG1147	1.75kg	50mm	£51.43

Manfrotto Super Clamps

Very versatile and clever clamps that will grip from 55 mm Ø right down to 13 mm Ø! Supplied with a wedge to square off the jaws for fastening to flat surfaces. Available as single or fixed double. The stud will allow rapid connection of trunnion arms etc.

Wedge lives here while not in use.

code	description	weight	WLL	price
MAN035	Single	410g	15kg	£32.83
MAN038	Double	830g	15kg	£69.28
MAN174	Hex lighting stud [M10]	16mm	15kg	£15.96

Doughty Space Saver

Both Barry and Ben were extremely impressed with this little gadget. The Space Saver allows a permanent connection of a clamp or spigot to the lamp or projector, without compromising on storage capability, as it allows the fixing to fold away. Really neat. top section has a channel to hold captive an M10 Hex nut or bolt. Bottom is machined to accept an M10 socket cap bolt and allows free orientation.

code	weight	WLL	price
DOUT85850	100g	100kg	£35.67

Spigots

We have a huge array of spigot options- many of which are listed here, but for images and technical details you'll need to visit our website: www.flints.co.uk.
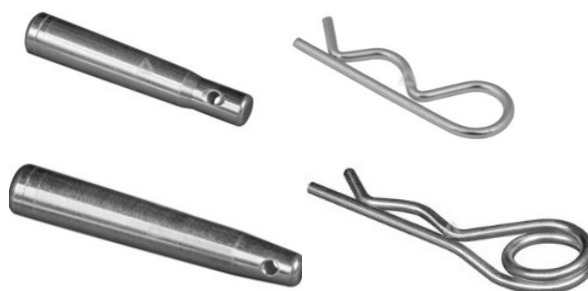
code	description	price
DOUT73000	M10 TV Spigot [Steel] [Euro Spec]	£26.74
DOUT73100	M12 TV Spigot [Steel] [Euro Spec]	£26.74
DOUT73350	M10 Female 16 mm Spigot [Aluminium]	£8.45
DOUT73360	M12 Female 16 mm Spigot [Aluminium]	£8.45
DOUT73391	M6 Female 16 mm Beamer Spigot [Aluminium]	£4.71
DOUT73390	M10 Female 16 mm Beamer Spigot [Aluminium]	£4.71
DOUT73392	M12 Female 16 mm Beamer Spigot [Aluminium]	£4.71
DOUT73800	Reducer Spigot 29 – 16 mm	£23.49
DOUT73900	16 mm Mini Spigot	£5.65
DOUT74000	TV-Standard Adaptor 29 – 19mm	£5.85
DOUT74100	TV-Mini Adaptor 29 – 16mm	£5.85
DOUT74200	Roller Race TV Spigot [Euro Spec]	£98.80
DOUT74300	M10 Female TV Spigot [Steel] [Euro Spec]	£21.88
DOUT74301	M12 Female TV Spigot [Steel] [Euro Spec]	£21.88
DOUT74305	M6 Female TV Spigot [Aluminium] [Euro Spec]	£21.88
DOUT74302	M10 Female TV Spigot [Aluminium] [Euro Spec]	£21.88
DOUT74303	M12 Female TV Spigot [Aluminium] [Euro Spec]	£21.88
DOUT74307	M10 Steel Reducer Spigot 28 x 16 mm	£21.88
DOUT74308	M12 Steel Reducer Spigot 28 x 16 mm	£21.88
DOUT74400	35 mm Speaker Spigot	£28.67
DOUT74402	35 mm Speaker Spigot Mount M12	£13.87
DOUT74500	M12 Female TV Spigot [Aluminium] [Long Shank Euro]	£21.88
DOUT74700	M10 Female TV Spigot [Steel] [Long Shank Euro]	£21.88
DOUT74705	M10 Female TV Spigot [Aluminium] [Long Shank Euro]	£21.88
DOUT74710	M12 Female TV Spigot [Steel] [Long Shank Euro]	£21.88
DOUT74800	TV Quick Receiver	£54.93
DOUT74801	TV Quick Receiver [Black]	£54.93
DOUG1003	Socket Adaptor 16 x 16 mm	£43.91
DOUG1002	Socket Adaptor 29 x 16 mm	£46.79
DOUG1190	Spigot 29 x 16 mm Lighting [Steel]	£24.42
DOUG1191	Spigot 29 x 16 mm Lighting [Aluminium]	£23.12

TV spigot

Female Spigot

Mini spigot

Standard TV adapter

Female TV spigot

Reducer Spigot

TV quick reciever

Socket adapter 16 x 16 mm

Beamer Spigot

Reducer Spigot

Mini TV adapter

Roller Race TV Spigot

Speaker Spigot

Long shank female tv spigot

Socket adapter 29 x 16 mm

Spigot 29 x 16 mm

Truss Spigot Pins & R Clips

To the untrained eye these simply look like closed retaining pins, however they are the specified standard clips for the most popular Truss spigot pins. Used to secure the spigot pin into position which is in turn used to secure the coupler and truss together.

code	description	price
TSCCS6605	R Clip for 67 mm Spigot pin	£0.88
TSCCS7705	R Clip for 92 mm Spigot pin	£3.90
TSCCS6603	67 mm Spigot pin	£2.61
TSCCS7703	92 mm Spigot pin	£7.90
TSCCS66K	67 mm Spigot pin with R Clip	£2.98
TSCCS77K	92 mm Spigot pin with R Clip	£9.85

VISIT FLINTS.CO.UK
To see lots more spigots!