

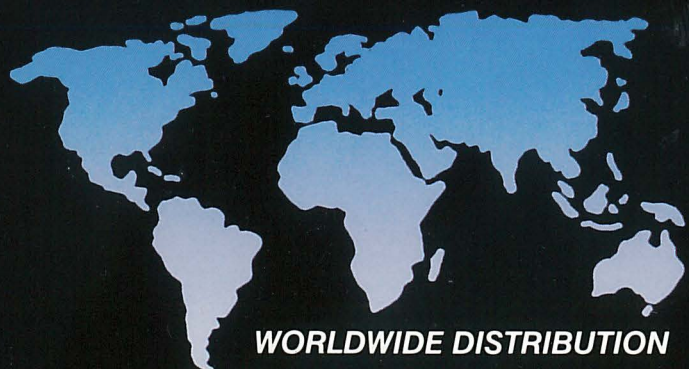
# **CCT**

## **LIGHTING**

### The Turbo Silhouette and Silhouette Range



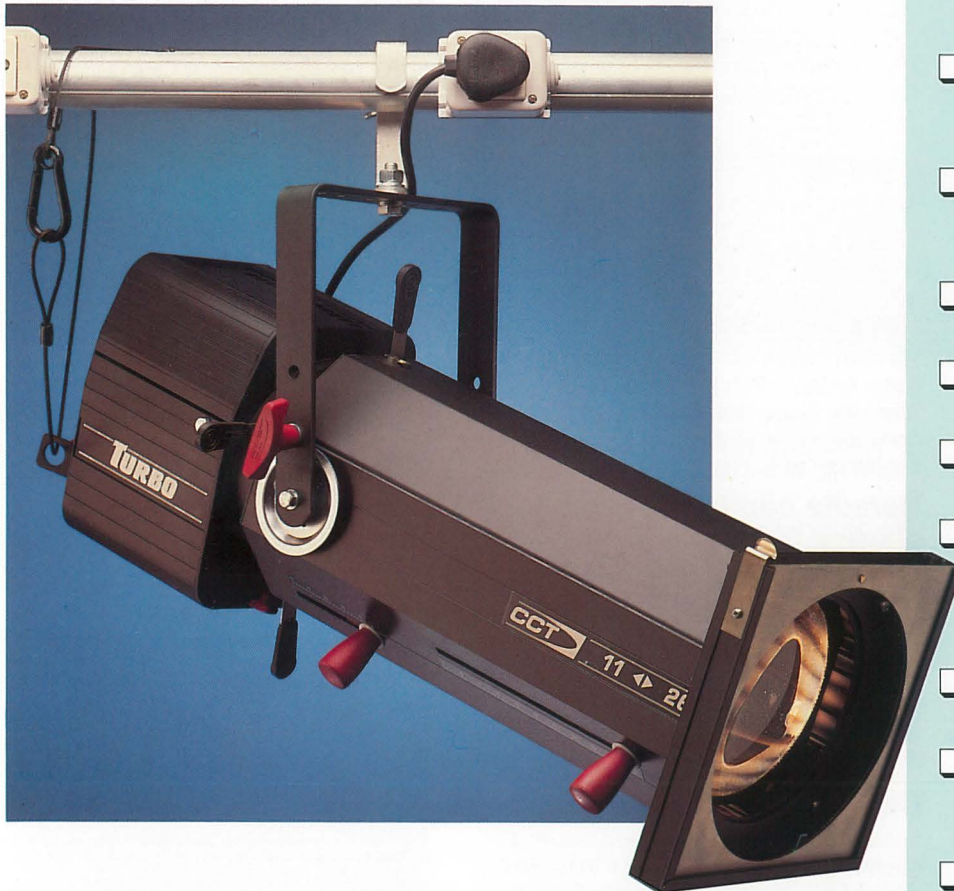
After 20 years of constant evolution the Turbo Silhouette and the 2000/2500W Silhouette represent the results of attention to the users comments and requirements.



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# The Turbo Silhouette and Silhouette Range



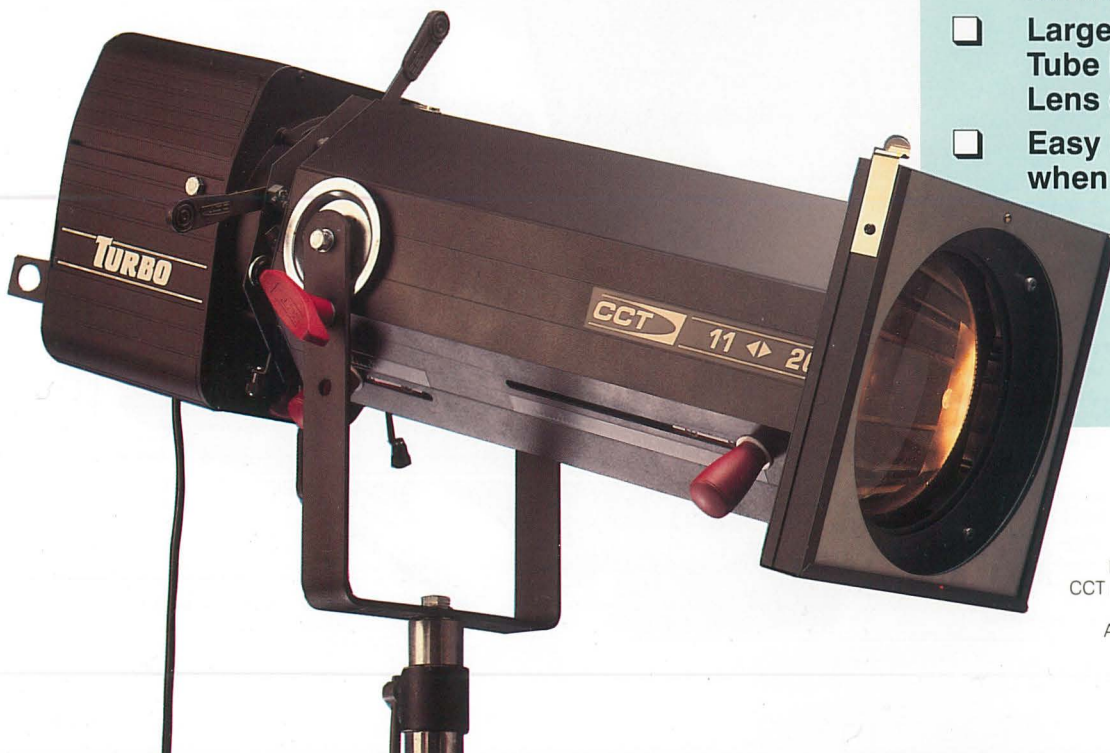
▲ ZOOTY  
**11° ◊ 26°**  
**Turbo Silhouette**  
**1000/1200W Variable**  
 Beam Angle Profile  
 Spotlight

Typical performance based on calibrated T29 1200W C13D, 400hr, 3050K Lamp giving 30,000 Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	11°	7°	305,700
Widest Spread	26°	10°	192,500

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	11°	10°	239,000
Widest Spread	26°	21°	74,000



All Silhouettes have the following features

- The widest range of Zoom Lenses on the market, 9° ◊ 58°
- Rotatable Shutter Set with 20° movement with locking knob
- Angled, removable (but retained in normal use) shutter blades
- Only one slot for each blade
- Two position Yoke height adjustment
- Easy external "Peak" "Flat" adjustment
- Lens Tubes can be mounted on the Lamphouse any way round
- No light leak from lens tube slots
- Colour Frame cassette can be mounted any way round
- Black wire safety bond at no extra cost
- All Shutter blades are close to the gate no split focus
- New Wide Angle Lenstube has minimal "Pin-Cushion" effect even at 58°
- Large removable Lens Tube Lids for ease of Lens cleaning
- Easy Lamp change even when units are hot

Photometric data is available on request  
 CCT reserve the right to change specification  
 and materials without prior notice.  
 All photometric data given is typical only.

## Turbo Silhouette

1000/1200w Base Down

28° ◊ 58°

15° ◊ 32°

11° ◊ 26° (see flap)

### Wide angle Lenstube

The latest arrival in the Turbo Silhouette range is the extra wide angle lenstube, which, by using a triple lens system avoids most of the "pin-cushion" effect found on most competing units. It goes so wide that when used soft edged it can double as a fresnel. Smaller than a Silhouette 30 and uses the Silhouette 30 colour frame. Excellent for Gobo projection and short throw work.

### Lenstubes

All the lenstubes are ruggedly constructed of aluminium extrusion, steel end plates and an aluminium lid which, as the edges lock into grooves in the extruded side wall, creates a rigid octagonal box section. The lens carriers run in extruded slots supported by non metal runners which are not affected by heat. The slots are masked by an internal baffle—no light spill. All lenstube end plates carry two sets of mounting holes, the original format to allow the tube to be mounted on all Silhouette lamphouses prior to the rotatable shutter set and the new equi-distant holes which let the lenstube be mounted any way round to allow the user to "customise" his unit for the position it will be hung or stood in. Of course the Colour Frame cassette can be rotated by undoing 4 screws to complement this facility. This cassette has two runners for colour frames or

generation comes from a unique front reflector which collects light that would otherwise just heat up the front casting, and redirects it back into the main reflector.

### Plug in Lampray

Whether you require 1,000 or 1,200 watts of light, the plug in lampray is easily adjusted for either. If you keep a spare lamped with a 1,200W lamp you can boost the output of a 1000W unit by just changing over.



Setting up your lamp accurately outside the unit is easy as we have provided a line on the back of the lampray guide (also the earth connector) to show you where the lamp filament centre line should be,—just line the sides of the filament with the lampray guide sides and the centre with the LCL (Lamp Centre Line) mark. To change from 1000W to 1200W loosen the back lampholder retaining screw and undo the front one, this allows you to slide the

## Turbo Silhouette 1000/1200W Lamphouse

The Silhouette lamphouse is constructed of aluminium extrusion mounted on an aluminium casting with steel baffles and back plate. The lenstubes mount on studs from the casting, and between these studs sits the rotatable shutter set. To enable old lenstubes to be used with the Turbo lamphouse dimples are marked on the casting to provide guides for drilling and tapping. A secondary safety fixing point is provided on the rear of the lamphouse equipped with a black wire safety bond. There is a large grab handle. The yoke mounts on the extrusion or the lenstube, tilt lock is by a "T" handle locking a coach bolt against a large disc attached to the lamphouse. As the coach bolt has four sides it can be rotated if one side wears.

◀ Z00TWW  
28° ◊ 58°

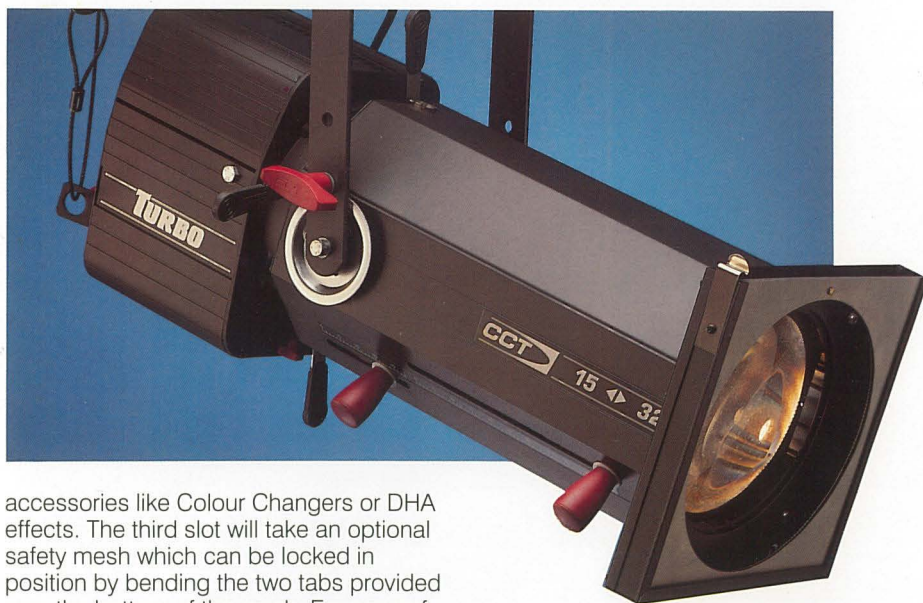
**Turbo Silhouette  
1000/1200W**  
Variable Beam Angle  
Profile Spotlight

Typical performance based on calibrated T29  
1200W C13D, 400hr, 3050K Lamp giving 30,000  
Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	28°	17°	86,000
Widest Spread	58°	30°	28,300

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	28°	18°	75,000
Widest Spread	58°	38°	18,800



accessories like Colour Changers or DHA effects. The third slot will take an optional safety mesh which can be locked in position by bending the two tabs provided over the bottom of the mesh. For ease of lens changing the internal lens mounting plates have holes in them to allow an M5 "Nut Runner" access.

### Turbo Reflector

The extra light that can be found in this range when compared with the previous

lampholder either above the spacer (1000W Setting) or below the spacer (1200W Setting) and replace the long front screw (the length of this is to prevent the lamp leaning too far forward when peaking or flattening the light field where it can foul the reflector).

◀ Z00TX  
15° ◊ 32° **Turbo Silhouette  
1000/1200W** Variable Beam Angle  
Profile Spotlight

Typical performance based on calibrated T29 1200W C13D,  
400hr, 3050K Lamp giving 30,000 Lumen set at Hard edge  
focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	15°	8°	286,400
Widest Spread	32°	13°	139,000

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	15°	11°	217,300
Widest Spread	32°	22°	65,800

### Recommended Lamps 220/240v

Y0020/Y0020E, T11/T19 1000w  
Y0015/Y0015E, T29 1200w

# Silhouette

2500w Base Down

- 28° ◊ 58°
- 15° ◊ 32°
- 11° ◊ 26°
- 9° ◊ 21°

## Silhouette 2000/2500W Lamphouse

The Silhouette lamphouse is constructed of aluminium extrusion mounted on steel front and back plates with steel baffles. The lenstubes mount on studs from the front plate, and between these studs sits the rotatable shutter set. A secondary safety fixing point is provided on the rear of the lamphouse equipped with a black wire safety bond. There is a large grab handle. The yoke mounts on the extrusion; if lenstube mounting is required a smaller yoke is provided on the lenstube. Tilt lock is by a "T" handle locking a coach bolt against a large disc attached to the lamphouse. As the coach bolt has four



◀ Z00DWW  
28° ◊ 58° Silhouette  
2000/2500W  
Variable Beam  
Angle Profile Spotlight

sides it can be rotated if one side wears. Lamp change is through an independently hinged bottom baffle which swings down sideways to allow the lamp tray to be unlocked and dropped down revealing the lamp.

### New Rotatable Shutter Set

The shutter set, which fits all Silhouette units built since 1972, has been designed to cover all the problems associated with Silhouette shutter sets over the years and after two years of service we can promise: **No slipping shutters.** This is achieved by individual springs which bias the blade towards the central gate plate ensuring that both side and top blades stay in focus at the same point. Each of the four blades has an angled handle when compared to the edge, and this allows two different cuts when

Typical performance based on calibrated CP91 2500W C13D, 400hr, 3200K Lamp giving 67,500 Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	28°	17°	107,000
Widest Spread	59.5°	42.5°	22,600

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	28°	17°	107,000
Widest Spread	61.3°	59.5°	14,400



◀ Z00DX  
15° ◊ 32° Silhouette  
2000/2500W Variable Beam Angle  
Profile Spotlight

Typical performance based on calibrated CP91 2500W C13D, 400hr, 3200K Lamp giving 67,500 Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	13.5°	8.5°	317,300
Widest Spread	33°	21°	82,000

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	13.5°	12.5°	219,700
Widest Spread	33.5°	33°	36,000



▼ Z00DY  
11° ◊ 26° Silhouette  
2000/2500W Variable Beam Angle  
Profile Spotlight

Typical performance based on calibrated CP91 2500W C13D, 400hr, 3200K Lamp giving 67,500 Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	10.5°	7.5°	393,600
Widest Spread	27°	16.5°	126,300

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	10.5°	9.5°	283,800
Widest Spread	28°	27°	60,700

### Recommended Lamps

220/240v

Y0025/Y0025E/CP91 2500W

Y0026/Y0026E/CP91 2000W

inserted between the plates. Insertion is by rolling the blade into the individual slot provided, and this makes sure that in use the blade will not pull out, and no clashing can occur due to blades in the wrong plane. Each stainless steel blade has a moulded high temperature plastic handle which stays cool in use and has no metal rivets or exposed metal to cause problems. The entire shutter set rotates (not old style Silhouettes) within limits when the locking knob is undone. This knob is located under the shutter set and locks on to the casting in the case of the Turbo Silhouette and grips the front plate in the 2.5K Silhouette. On the back of the shutter set are runners to allow the use of drop in iris, Gobo holder rotatable Gobo holder, fixed aperture masks, and all DHA rotators including the "Yo-Yo". The bottom stop of these runners has been increased in size.

### Silhouette Yokes

All Silhouette yokes have two height adjustments as well as positions on the Lenstube (except Z00TW and Z00DW). In the high position on the lamphouse all allow the yoke to rotate around the back of the Lamphouse. The amount of friction between the yoke and the lamphouse to stop it losing position when the locking knob is loosened is governed by tightening the central retaining bolt against the spring washer. DIN Platter standard mounting holes are provided which allow off set hanging.



**Z00DS**  
**9° ◀ 21° Silhouette 2000/2500W**  
 Variable Beam Angle Profile  
 Spotlight

Typical performance based on calibrated CP91 2500W C13D, 400hr, 3200K Lamp giving 67,500 Lumen set at Hard edge focus

Peak Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	8.5°	5.5°	753,700
Widest Spread	21.5°	14°	177,000

Flat Setting	Cut Off Angle	1/2 Peak Angle	Peak Candela
Narrowest Spread	8.5°	7.5°	479,100
Widest Spread	21.5°	20.5°	107,700

### Drop In Iris

A new 20 leaf drop in iris is now available which will withstand the high temperatures experienced in modern high powered profile spotlights.

### Built in Iris and Blackout

To turn any Silhouette into a Follow Spot this accessory mounts between the shutter set and the lenstube (see picture), the operating handles can be mounted on top, underneath, or at the side to suit the operator and position. The black out only operates when the second lever is closed allowing the smallest iris aperture to be used. The same 20 leaf high temperature iris is used as in the drop in unit.

### Rotatable Gobo holder

For many years CCT have made a rotatable Gobo holder which allows the operator to "trim" the Gobo position without using tools or removing the Gobo from the unit, by using the handle which gives 100° of movement.

### Remote control Colour change Semaphore

Where silence is required this 4 frame colour change cannot be beaten. Each frame is individually selectable, so colour mixing is possible. Each new colour selected comes in before the rejected colour goes out avoiding a flash to white and making "live" colour changes possible. Available for all tubes except the Z00DS.

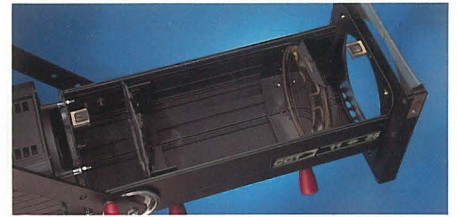
### DMX Colour Wheel

For use on the Z000DWW tube only this system can be controlled via a three wire daisy chained lead from any desk using DMX512.

### Hand Operated Colour Change

For Follow Spot work a hand operated colour change is available to fit all lens tubes.

## ACCESSORIES



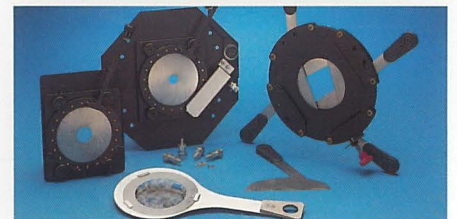
Full length lid gives easy access to lenses.



DMX 512 colour wheel.



Hand operated colour changer



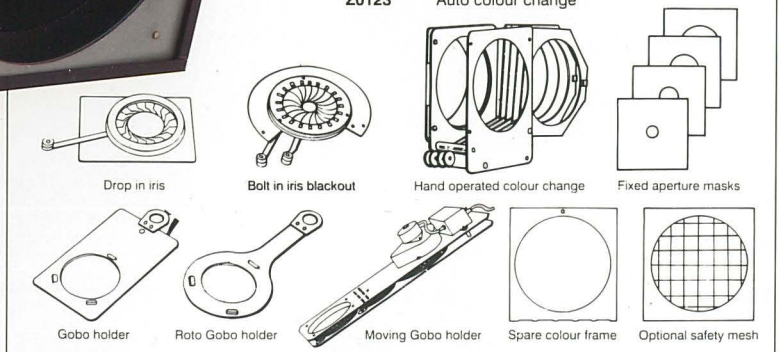
Gobo holders, drop in iris accessories, bolt in iris blackout and rotatable profile shutter set.



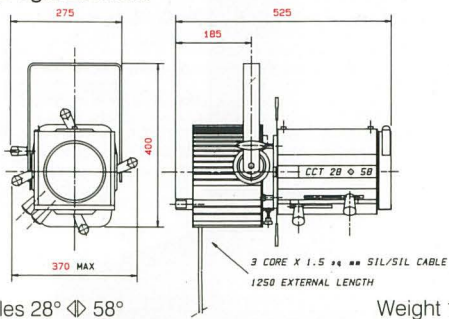
DMX 512 colour wheel.

#### OPTIONAL ACCESSORIES

- Z0014 Colour frame
- Z0004 Lenstube safety mesh
- Z0002/9 Shutter set
- Z0017N Iris and Blackout assembly
- Z0016 Drop in iris
- Z0047 Set of 4 drop in circular masks  
 Sizes 16, 30, 50, 60 mm diameter  
 10 way auto iris controller
- Z0240 Auto iris
- Z0024 Gobo holder
- Z0121 Rotatable Gobo holder
- Y0120 Scenic Gobo
- ZS035 1000/1200w Lampray
- Z0020 Hand operated colour change 8"
- Z0021 Hand operated colour change 10"
- Z0123 Auto colour change

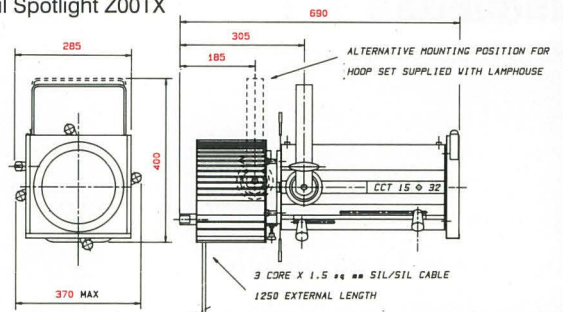


Turbo Sil Spotlight Z00TWW



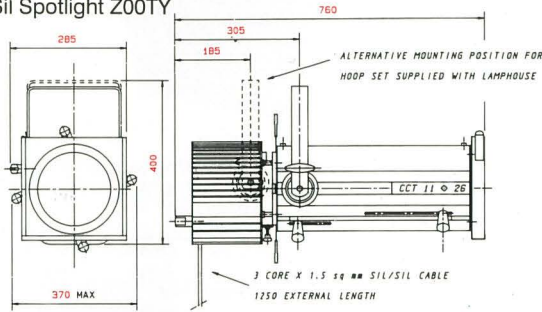
Variable angles 28° ⇄ 58° Weight 10.75kg.

Turbo Sil Spotlight Z00TX



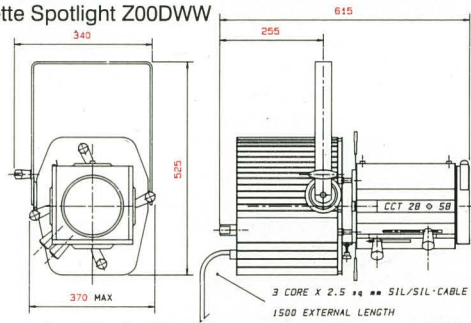
Variable angles 15° ⇄ 32° Weight 11.5kg.

Turbo Sil Spotlight Z00TY



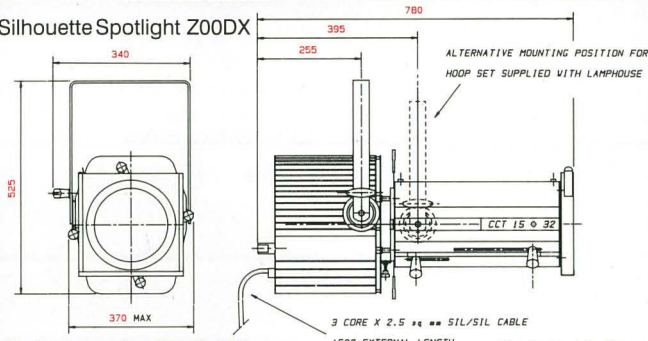
Variable angles 11° ⇄ 26° Weight 12.25kg.

Silhouette Spotlight Z00DWW



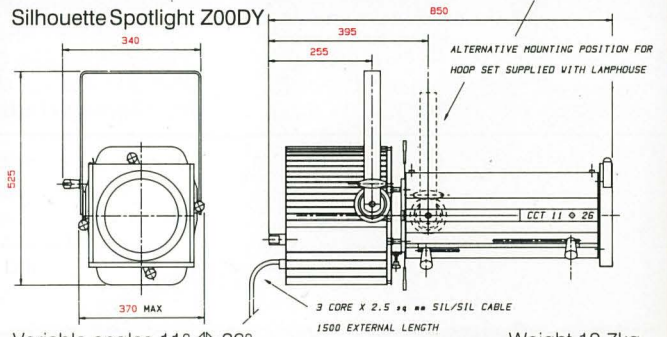
Variable angles 28° ⇄ 58° Weight 18.1kg.

Silhouette Spotlight Z00DX



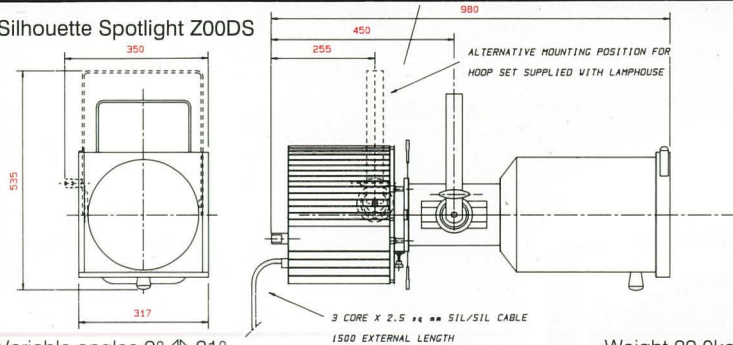
Variable angles 15° ⇄ 32° Weight 19.1kg.

Silhouette Spotlight Z00DY



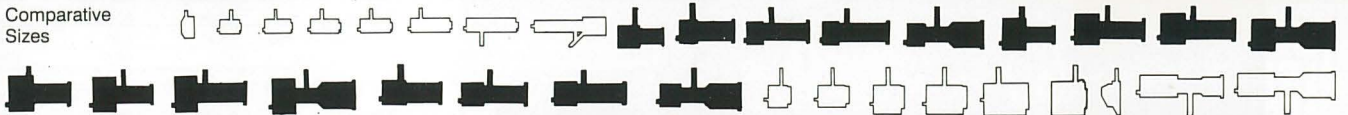
Variable angles 11° ⇄ 26° Weight 19.7kg.

Silhouette Spotlight Z00DS



Variable angles 9° ⇄ 21° Weight 22.0kg.

Comparative Sizes



**CCT LIGHTING**

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