

Accessories: Moulding light

Cotelux intelligent accessories are an essential tool to obtain the lighting purposes desired for every different scene and atmosphere. They are easily assembled by opening the lateral door of a Cotelux Studio and sliding the accessory into the rail of the projector. No doubt, accessories can transform the projector so as to offer different possibilities of use by moulding light.

Barn doors: made of mirror polished aluminium, they are used in order to intensify the dispersed light, and to focus and direct it to a determined distance, reducing the angle beam of the projector, and therefore improving the performance in long distances. The four leaves of Cotelux barn doors are adjustable in order to allow their movement when varying the focusing point. This variation can be done symmetrically when lighting perpendicularly to the projector's surface, or asymmetrically when the lighting point is not perpendicular to the projector, like in cyclorama lighting.

Corners: the four mirror polished aluminium corners

are used to symmetrically fix the barn doors in the angle where the maximum focusing of the light is achieved. It also takes advantage of the light that could be lost in the corners in order to improve the light output in the focused point.

Honeycombs: honeycombs reduce the angle lit until 20°, 30°, 40° or 60° projecting the light forward, emulating the effects of fresnel projectors, and eliminating the reflected light in the camera proceeding from back lights.

Eggcrates: with the same utility and operating of a honeycomb, but just in 60° squared cells, the eggcrate is an economical version of a grid, but offering lower precision when reducing the angle lit.

Gel frame: rigid base to introduce any colour filter.

Pole operator: this strong yoke is used in high ceiling studios where manual operating of pan and tilt becomes hard work. With the remote control, all Cotelux Studio lighting systems can rotate and tilt 360° around its centre without barn doors.



GL COTEL, S.L.

La Sardana, 15
Pol. Ind. Sud - P.O. Box 271
08440 Cardedeu (Spain)

www.cotelux.com

Tel. +34 938 611 077 • Fax: + 34 938 611 078

COTELUX
studio

studio cool lighting systems

Simply Talented

As the most polyvalent fixtures of all the Cotelux lighting systems, the Studio line offers four different models (with 2,4,6 and 8 bulbs) than combined with all the wide range of accessories, will certainly be the best solution for any lighting purpose.

From big to small studios, from low ceiling to big heights, mixed with incandescence or alone. For circle lighting, row, spot or cyclorama. For main light, rear light or spot. For all this possible existing combinations, Cotelux has the ideal fixture and dimming version in order to obtain supreme lighting results in new installations or in equipped studios:

LD: Local dimming in the same panel through a potentiometer set in the control module of the projector.

ID: Internal dimming: remote regulation through tension control 0-10V proceeding from analogical control desks. LD version also incorporated.

ED: remote regulation through conventional cut phase dimmers.
DMX: remote regulation through digital protocol DMX-512. ID and LD dimming versions also incorporated.

Due to the careful design of the Studio range, several parts of its architecture have been improved and optimised with the purpose of increasing the performance. Ventilation small grids are strategically situated as to allow the lost of heat by convection, which at the same time helps the colour temperature of the tubes remain constant. The generous assortment of accessories (reflective barndoor and corner, gel frame, eggcrate, or honeycombs) are effortlessly assembled through the lateral door, allowing changes in just a few minutes. Less time will take the replacement of any ballast or control module, due to the FRBS featured in all the models of the Studio line. If required, pole operated yokes are supplied for pan and tilt movements.

Cotelux Studio 255



Lux at	1m	2m	3m	4m	5m
Without barndoors	2.460	610	276	154	100
With barndoors	4.360	1.073	467	253	168

Cotelux Studio 455



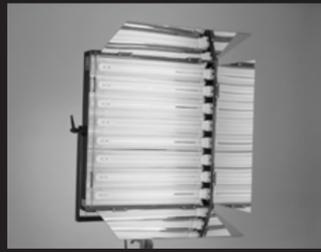
Lux at	1m	2m	3m	4m	5m
Without barndoors	4.720	1.170	533	302	197
With barndoors	10.930	2.470	1.082	612	390

Cotelux Studio 655



Lux at	1m	2m	3m	4m	5m
Without barndoors	6.050	1.630	752	440	288
With barndoors	11.340	2.920	1.302	723	466

Cotelux Studio 855



Lux at	1m	2m	3m	4m	5m
Without barndoors	8.560	2.200	1022	588	385
With barndoors	19.060	4.500	2.020	1.140	738

Cotelux Studio 255

The excellent combination between reduced dimension and high light output, makes the Studio 255 the perfect fixture for key light for small or low ceiling studios. If used with an eggcrate or honeycomb, the spot effect is easily achieved.

Lamps: 2
Power consumption: 120W

Cotelux Studio 455

The most versatile model of the Studio line is frequently installed as key light in small studios or as back light in big dimensioned studios. If powered by any of the accessories available, the potential of the Studio 455 is unlimited.

Lamps: 4
Power consumption: 240W

Cotelux Studio 655

With an original flat design, the Studio 655 is critical for low ceiling big studios, as the fixture will not interfere with the camera. It is also recommended for chroma key or cyclorama lighting because of its great light output and its extended shape.

Lamps: 6
Power consumption: 360W

Cotelux Studio 855

The powerful Studio 855 is the perfect fixture for big dimensioned studios, even with high ceiling or when lighting large areas and long distances.

Lamps: 8
Power consumption: 480W

Cotelux 's original: Fast Replaceable Ballast System

The patented **FRB system** developed by Cotelux in all the Studio fixtures was designed in order to allow more flexibility and security to the users of this range of lighting equipment. The system consists of individual registries arranged at the back of the projector for each of the electronic parts: one for each ballast dual tube and one for the control module of the system, so depending on the combination of the registries, the four different dimming versions can be built.

The manipulation of the **modules** is so simple that anyone could do it, nevertheless it is recommended that changes should be done by professionals. Every registry is individually removable through two quarter turn fasteners,

while a security cable links the projector to the module, in order to avoid unfortunate falling during the manipulation of the modules.

No doubt, Cotelux's FRB original system means a great progress for the field of lighting technology, as it provides major **advantages**:

Rapid and easy maintenance: an electronic module can be easily replaced on its usual place of work, as it is not necessary to remove the panel from the grid, not even to disassemble it, as replacements do not mean hard work. In just a few minutes, the weightless and manageable module will be replaced. Also if the module needs to be repaired by Cotelux

technical service, the forwarding costs for shipment will be minimum if considering the small dimensions of the registries, compared to the whole fixture.

Never obsolete projectors: thinking about the future and the development of new technologies, the **FRB system** allows the introduction of new improvements, benefits, or new electronics with no need to change the durable structure of the lighting fixture, as the modules incorporate all the dimming information of the light. The projector just incorporates the cables, the connectors and the lamp holders, so every manufactured Cotelux Studio is custom made depending on the client's needs.

