



STUDIO COOL

*ARRI Studio Cool  
4-Bank*



Colour: Black  
Electronic versions: 230V  
Multi Control L1.84004.B

**Technical data:**

Dimensions (mm): 606L x 314B x 171H  
Weight: 7,7kg  
Compliance: ce, cNRTL, IECCE  
Lamp type: U-shaped compact fluorescent tubes 55W/SE 3200K or 5600K\*1  
Lamp base: 4-Pin-Sockel 2G11  
Reflector: 90°

Accessories:  
4-leaf barn door, black L2.84066.0

Egg crates:  
Silver/honeycomb L2.84065.C  
Silver/quadratic 13mm L2.84065.A  
Silver/quadratic 15mm L2.84065.B  
White/quadratic 13mm L2.84065.E  
Black/quadratic 13mm L2.84065.D

Reflectors:  
90° L2.84137.0  
120° L2.84059.0

Intensifier L2.84068.0

Filter frame L2.84064.0

P.O.-Stirrup for pole operation L2.84070.0

Extension cable 2m L2.84080.0  
Extension cable 5m L2.84080.B

*ARRI Studio Cool  
2-Bank*



Colour: Black  
Electronic versions: 230V  
Multi Control L1.84002.B

**Technical data:**

Dimensions (mm): 606L x 188B x 171H  
Weight: 5,4kg  
Compliance: ce, cNRTL, IECCE  
Lamp type: U-shaped compact fluorescent tubes 55W/SE 3200K or 5600K\*1  
Lamp base: 4-Pin-Sockel 2G11  
Reflector: 90°

Accessories:  
4-leaf barn door, black L2.84006.0

Egg crates:  
Silver/honeycomb L2.84005.C  
Silver/quadratic 13mm L2.84005.A  
Silver/quadratic 15mm L2.84005.B  
White/quadratic 13mm L2.84005.E  
Black/quadratic 13mm L2.84005.D

Reflectors:  
90° L2.84030.0  
120° L2.84020.0

Intensifier L2.84009.0

Filter frame L2.84007.0

P.O.-Stirrup for pole operation L2.84175.0

Extension cable 2m L2.84080.0  
Extension cable 5m L2.84080.B

*ARRI Studio Cool  
2+2-Bank*



Colour: Black  
Electronic versions: 230V  
Multi Control L1.84102.B

**Technical data:**

Dimensions (mm): 1195L x 188B x 171H  
Weight: 8,8kg  
Compliance: ce, cNRTL, IECCE  
Lamp type: U-shaped compact fluorescent tubes 55W/SE 3200K or 5600K\*1  
Lamp base: 4-Pin-Sockel 2G11  
Reflector: 90°

Accessories:  
4-leaf barn door, black L2.84145.0

Egg crates:  
Silver/honeycomb L2.84139.C  
Silver/quadratic 13mm L2.84139.A  
Silver/quadratic 15mm L2.84139.B  
White/quadratic 13mm L2.84139.E  
Black/quadratic 13mm L2.84139.D

Reflectors:  
90° L2.84155.0  
120° L2.84158.0

Intensifier L2.84147.0

Filter frame L2.84146.0

P.O.-Stirrup for pole operation L2.84149.0

Extension cable 2m L2.84080.0  
Extension cable 5m L2.84080.B

# ARRI Studio Cool Flexibility



Removable electronics module



Convertible reflectors 90° and 120°

## Control versions

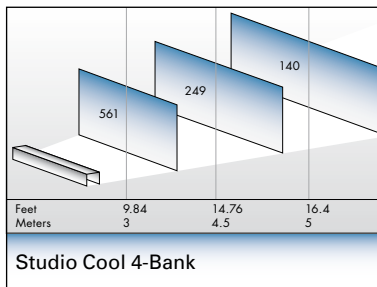


### Multi Control

Either DMX 512 or 0-10V analog dimming

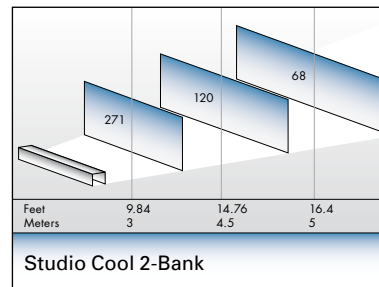
## Illuminance

Illuminance intensity in lux ( $lx=fc \times 10,8$ ) without intensifier



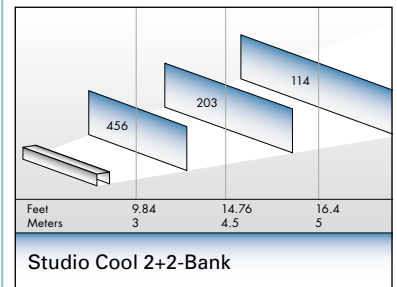
With intensifier doubling of illuminance intensity at restricted half power angle!

Illuminance intensity in lux ( $lx=fc \times 10,8$ ) without intensifier



With intensifier 50% increase of illuminance intensity at restricted half power angle!

Illuminance intensity in lux ( $lx=fc \times 10,8$ ) without intensifier



With intensifier 50% increase of illuminance intensity at restricted half power angle!

\*1 Please note that the performance of the Studio Cool significantly depends on the fluorescent tubes. .

\*2 By singular use of the lamphoods some phase controlled modulators require the interposition of an additional ghost load.

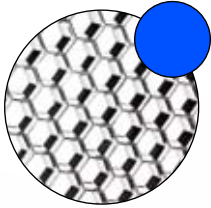


Operator convenience through hinged accessory holder



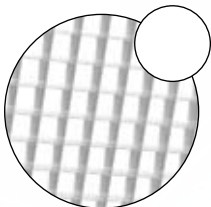
Daisy chain" up to six 4-Bank in one circuit

## Egg Crates



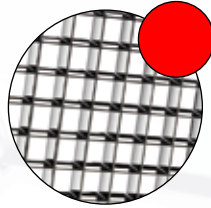
### Silver/honeycomb

- Edge extension 16 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 80° x 80°
- Slight increase of illumination intensity
- Nearly orbital light field
- Very consistent light spread
- Effective lamination with barn door possible



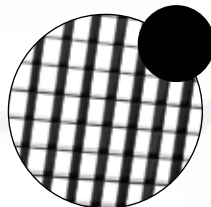
### White/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 62° x 66° in the core area
- Increase of illumination intensity of 10%
- Smooth light fall-off in the border area
- Rectangular light field
- Consistent light spread



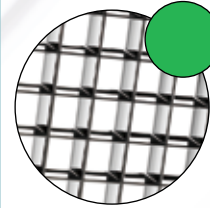
### Silver/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 85° x 90°
- Slight increase of illumination intensity
- Rectangular light field
- Consistent light spread



### Black/quadratic

- Edge extension 13 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 51° x 54°
- Decrease of illumination intensity of 10% toward optical axis
- Effective lamination of border area
- Rectangular light field
- Consistent light spread



### Silver/quadratic

- Edge extension 15 mm
- Restricted emission angle (4-Bank: 90° x 110°) to 80° x 85°
- Slight increase of illumination intensity
- Rectangular light field
- Consistent light spread

## ARRI Studio Cool advantages at a glance

- Hinged accessory holder
- Removable electronics and ballast module
- Light-weight, but rugged aluminium extrusion housing
- 3 module versions: 4-Bank, 2-Bank, 2+2-Bank
- 2 adapter options: yoke or baby plate
- Convertable reflektors: 90° and 120°
- Extensive accessories
- Dimming 1%-100% @230V; 3%-100%@120V
- Flicker-free <1%
- Operating frequency at full load 40kHz
- „Daisy chain“ up to six 4-Bank in one circuit



# ARRI Studio Cool Series

With the Studio Cool series, ARRI has brought a new dimension of flexibility to fluorescent lighting. The requirement to meet the needs of both large and small studios led to the design of two interchangeable reflectors: a 120° beam angle type where throw is limited and a 90° version for a narrow, more controlled light field.



Atlas TV, Podgorica, Montenegro

Reflectors are fitted with quick-lock fasteners for easy exchange. A hinged accessory holder allows equally simple lamp changing in the rig. These are just two of the numerous practical details which make the Studio Cool series so easy to use.

Carefully selected accessories such as the barndoor, intensifier doors and a choice of five different egg crates give the user the maximum options for light control.

The removable electronics module is another example of design quality. Removing four screws allows the complete lamphead electronics to be quickly detached for ease of service.

As with all ARRI fixtures, the Studio Cool series is designed for high strength and light weight. Extensive use of aluminium extrusions make it suitable for the toughest requirements.

Three different models 4-Bank, 2-Bank and 2+2 Bank cover virtually all applications, particularly in broadcast studios. Last but not least, the low heat, wide and even light distribution and low power consumption make the Studio Cool an indispensable tool not only for film and TV but also in the photographic studio.

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