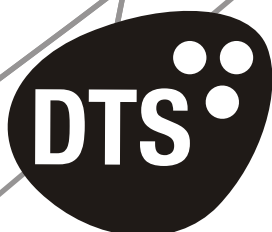


# FOCUS LED PROJECTOR



The Lighting Company

User's manual

V.1.40

ENG

Le informazioni contenute in questo documento sono state attentamente redatte e controllate. Tuttavia non è assunta alcuna responsabilità per eventuali inesattezze. Tutti i diritti sono riservati e questo documento non può essere copiato, fotocopiato, riprodotto per intero o in parte senza previo consenso scritto della D.T.S .

D.T.S si riserva il diritto di apportare senza preavviso cambiamenti e modifiche estetiche , funzionali o di design a ciascun proprio prodotto. D.T.S non assume alcuna responsabilità sull'uso o sull'applicazione dei prodotti o dei circuiti descritti.

The information contained in this publication has been carefully prepared and checked. However, no responsibility will be taken for any errors. All rights are reserved and this document cannot be copied, photocopied or reproduced, in part or completely, without prior written consent from D.T.S. D.T.S. reserves the right to make any aesthetic, functional or design modifications to any of its products without prior notice. D.T.S. assumes no responsibility for the use or application of the products or circuits described herein.

Les informations contenues dans le présent manuel ont été rédigées et contrôlées avec le plus grand soin. Nous déclinons toutefois toute responsabilité en cas d'éventuelles inexactitudes. Tous droits réservés. Ce document ne peut être copié, photocopié ou reproduit, dans sa totalité ou partiellement, sans le consentement préalable de D.T.S.

D.T.S. se réserve le droit d'apporter toutes modifications et améliorations esthétiques, fonctionnelles ou de design, sans préavis, à chacun de ses produits. D.T.S. décline toute responsabilité sur l'utilisation ou sur l'application des produits ou des circuits décrits.

Las informaciones contenidas en este documento han sido cuidadosamente redactadas y controladas. Con todo, no se asume ninguna responsabilidad por eventuales inexactitudes. Todos los derechos han sido reservados y este documento no puede ser copiado, fotocopiado o reproducido, total o parcialmente, sin previa autorización escrita de D.T.S.

D.T.S. se reserva el derecho a aportar sin previo aviso cambios y modificaciones de carácter estético, funcional o de diseño a cada producto suyo. D.T.S. no se asume responsabilidad de ningún tipo sobre la utilización o sobre la aplicación de los productos o de los circuitos descritos.

## **DESCRIPTION**

### **FOCUS FULL COLOUR**

FOCUS FULL COLOUR is a new compact LED projector designed for fixed installation on walls or trusses (fitted with a fixing bracket).

FOCUS FULL COLOUR light source is composed of 3 x 3W Full colour LEDs which can independently generate 16 million colours.

Luminosity is 280 Lux at 2 m (spot lenses); colour temperature can be controlled linearly from 3200°K to 5500°K.

Three interchangeable optical units are available for each model (Spot, Medium flood, Wide flood). Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS FULL COLOUR can be controlled via any DMX lighting console.

FOCUS FULL COLOUR is made on aluminium and stainless steel, offering an Ip65 protection rating, and can be used either indoor or outdoor.

#### **FOCUS FULL COLOUR (Spot) (Cod. 03.LDB024.N)**

Spot lenses

#### **FOCUS FULL COLOUR (Medium flood) (Cod. 03.LDB024.M)**

Medium flood lenses

#### **FOCUS FULL COLOUR (Wide flood) (Cod. 03.LDB024.W)**

Wide flood lenses

All models are available in black, white (RAL 9003), grey (RAL 9006), grey glitter, chrome or other colours on demand.

#### **LED technology**

3 x 3W Full colour LEDs; 280 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

#### **Optical units**

3 lenses sets available (Spot, Medium flood, Wide flood)

#### **Control**

Via any DMX lighting console

#### **Protection**

Ip65 protection level against the penetration of solids and liquids

#### **Construction**

FOCUS is made on aluminium and stainless steel

#### **Power supply**

Dedicated Z1 or Z4 power supply / LED controllers

#### **Standard accessories**

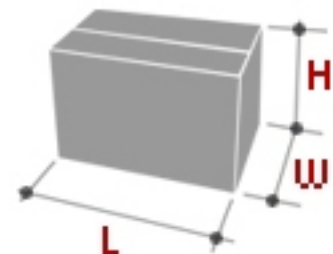
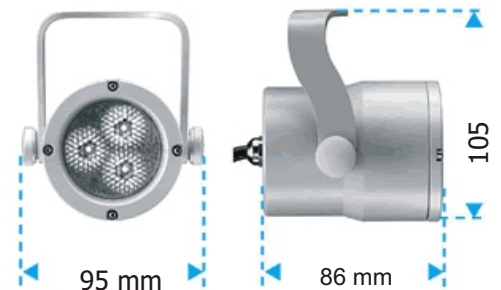
Exagonal bolt for fixed installation and knob

#### **Connection**

Dedicated T-BOX RJ12 connection system

#### **ACCESSORIES**

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole flat cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
1 Kg

## DESCRIPTION

### FOCUS R FULL COLOUR

FOCUS R FULL COLOUR is a new compact LED projector designed for recessed installation by embedding in floors (featuring a reinforced structure offering high resistance to mechanical stress).

FOCUS R FULL COLOUR light source is composed of 3 x 3W Full colour LEDs which can independently generate 16 million colours.

Luminosity is 280 Lux at 2 m (spot lenses); colour temperature can be controlled linearly from 3200°K to 5500°K.

Three interchangeable optical units are available for each model (Spot, Medium flood, Wide flood).

Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS R FULL COLOUR can be controlled via any DMX lighting console.

FOCUS R FULL COLOUR is made on aluminium and stainless steel, offering an Ip65 protection rating, and can be used either indoor or outdoor.

#### FOCUS R FULL COLOUR (Spot) (Cod. 03.LDB007.N)

Spot lenses

#### FOCUS R FULL COLOUR (Medium flood) (Cod. 03.LDB007.M)

Medium flood lenses

#### FOCUS R FULL COLOUR (Wide flood) (Cod. 03.LDB007.W)

Wide flood lenses

#### LED technology

3 x 3W Full colour LEDs; 280 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

#### Optical units

3 lenses sets available (Spot, Medium flood, Wide flood)

#### Control

Via any DMX lighting console

#### Protection

Ip65 protection level against the penetration of solids and liquids

#### Construction

FOCUS is made on aluminium and stainless steel

#### Power supply

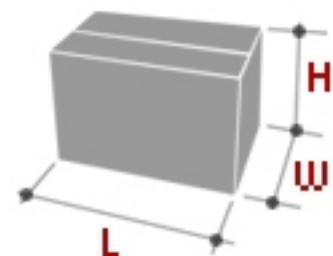
Dedicated Z1 or Z4 power supply / LED controllers

#### Connection

Dedicated T-BOX RJ12 connection system

#### ACCESSORIES

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole flat cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
0,8 Kg

## DESCRIPTION

### FOCUS RGB

FOCUS RGB is a new compact LED projector designed for fixed installation on walls or trusses (fitted with a fixing bracket).

FOCUS RGB light source is composed of 3 x 1W Luxeon LEDs (1 red, 1 green, 1 blue) which can generate 16 million colours.

Luminosity is 615 Lux at 2 m (spot lenses); colour temperature can be controlled linearly from 3200°K to 5500°K.

Three interchangeable optical units are available (Spot, Medium flood, Wide flood).

Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS RGB can be controlled via any DMX lighting console.

FOCUS RGB is made on aluminium and stainless steel, offering an Ip65 protection rating, and can be used either indoor or outdoor.

#### FOCUS RGB (Spot) (Cod. 03.LDB024.T08)

Spot lenses

#### FOCUS RGB (Medium flood) (Cod. 03.LDB024.T25)

Medium flood lenses

#### FOCUS RGB (Wide flood) (Cod. 03.LDB024.T40)

Wide flood lenses

All models are available in black, white (RAL 9003), grey (RAL 9006), grey glitter, chrome or other colours on demand.

#### LED technology

3 x 1W Luxeon LEDs (1 x Red, 1 x Green, 1 x Blue); 615 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

#### Optical units

3 lenses sets available (Spot, Medium flood, Wide flood)

#### Control

Via any DMX lighting console

#### Protection

Ip65 protection level against the penetration of solids and liquids

#### Construction

FOCUS is made on aluminium and stainless steel

#### Power supply

Dedicated Z1 or Z4 power supply / LED controllers

#### Standard accessories

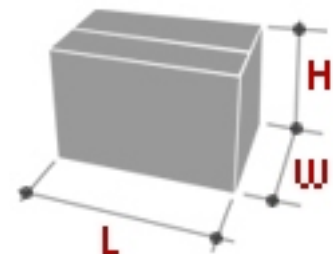
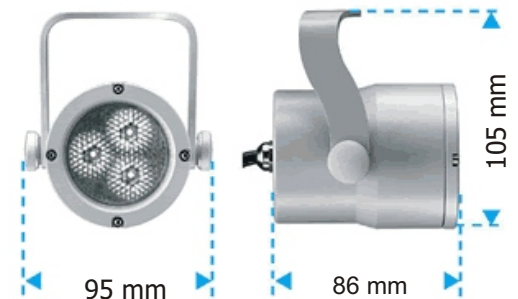
Exagonal bolt for fixed installation and knob

#### Connection

Dedicated T-BOX RJ12 connection system

#### ACCESSORIES

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole flat cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
1 Kg

## DESCRIPTION

### FOCUS R RGB

FOCUS R RGB is a new compact LED projector designed for recessed installation by embedding in floors (featuring a reinforced structure offering high resistance to mechanical stress).

FOCUS R RGB light source is composed of 3 x 1W Luxeon LEDs (1 red, 1 green, 1 blue) which can generate 16 million colours.

Luminosity is 615 Lux at 2 m (spot lenses); colour temperature can be controlled linearly from 3200°K to 5500°K.

Three interchangeable optical units are available (Spot, Medium flood, Wide flood).

Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS R RGB can be controlled via any DMX lighting console.

FOCUS R RGB is made on aluminium and stainless steel, offering an Ip65 protection rating, and can be used either indoor or outdoor.

#### FOCUS R RGB (Spot) (Cod. 03.LDB008.N)

Spot lenses

#### FOCUS R RGB (Medium flood) (Cod. 03.LDB008.M)

Medium flood lenses

#### FOCUS R RGB (Wide flood) (Cod. 03.LDB008.W)

Wide flood lenses

#### LED technology

3 x 1W Luxeon LEDs (1 x Red, 1 x Green, 1 x Blue); 615 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

#### Optical units

3 lenses sets available (Spot, Medium flood, Wide flood)

#### Control

Via any DMX lighting console

#### Protection

Ip65 protection level against the penetration of solids and liquids

#### Construction

FOCUS is made on aluminium and stainless steel

#### Power supply

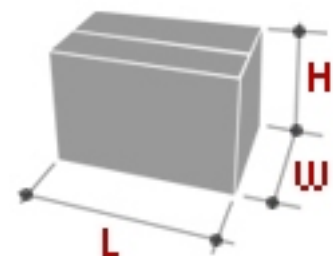
Dedicated Z1 or Z4 power supply / LED controllers

#### Connection

Dedicated T-BOX RJ12 connection system

#### ACCESSORIES

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole flat cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
0,8 Kg

## **DESCRIPTION**

### **FOCUS WHITE**

FOCUS WHITE is a new compact LED projector designed for fixed installation on walls or trusses (fitted with a fixing bracket).

FOCUS WHITE is available in 4 distinct models, depending on the white colour temperature of the LEDs employed:

**FOCUS WHITE 3200° - 5500°K** light source is composed of 2 white LEDs and 1 amber LED). Luminosity is 490 Lux at 2 m (spot lenses); white colour temperature can be controlled linearly from 3200°K to 5500°K.

Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS WHITE 3200° - 5500°K can be controlled via any DMX lighting console.

**FOCUS WHITE 3200°K** is equipped with 3 x 3200°K white LEDs; luminosity is 260 Lux at 2 m (spot lenses).

**FOCUS WHITE 5500°K** is equipped with 3 x 5500°K white LEDs; luminosity is 910 Lux at 2 m (spot lenses).

**FOCUS WHITE 6800°K** is equipped with 3 x 6800°K white LEDs; luminosity is 840 Lux at 2 m (spot lenses).

Three interchangeable optical units are available for each model (Spot, Medium flood, Wide flood).

FOCUS WHITE is made on aluminium and stainless steel, offering an Ip65 protection rating, and can therefore be used either indoor or outdoor.

#### **FOCUS WHITE 3200° - 5500°K (Spot) (Cod. 03.LDB024.W08)**

Spot lenses

#### **FOCUS WHITE 3200° - 5500°K (Medium flood) (Cod. 03.LDB024.W25)**

Medium flood lenses

#### **FOCUS WHITE 3200° - 5500°K (Wide flood) (Cod. 03.LDB024.W40)**

Wide flood lenses

#### **FOCUS WHITE 3200°K (Spot) (Cod. 03.LDB026.N)**

Spot lenses

#### **FOCUS WHITE 3200°K (Medium flood) (Cod. 03.LDB026.M)**

Medium flood lenses

#### **FOCUS WHITE 3200°K (Wide flood) (Cod. 03.LDB026.W)**

Wide flood lenses

#### **FOCUS WHITE 5500°K (Spot) (Cod. 03.LDB027.N)**

Spot lenses

#### **FOCUS WHITE 5500°K (Medium flood) (Cod. 03.LDB027.M)**

Medium flood lenses

#### **FOCUS WHITE 5500°K (Wide flood) (Cod. 03.LDB027.W)**

Wide flood lenses

#### **FOCUS WHITE 6800°K (Spot) (Cod. 03.LDB028.N)**

Spot lenses

#### **FOCUS WHITE 6800°K (Medium flood) (Cod. 03.LDB028.M)**

Medium flood lenses

#### **FOCUS WHITE 6800°K (Wide flood) (Cod. 03.LDB028.W)**

Wide flood lenses

All models are available in black, white (RAL 9003), grey (RAL 9006), grey glitter, chrome or other colours on demand.

## DESCRIPTION

### LED technology

FOCUS WHITE 3200°-5500°K: 3 x 1W Luxeon LEDs (2 x white, 1 x amber); 490 Lux / 2 m (spot lenses)

FOCUS WHITE 3200°K: 3 x 1W white Luxeon LEDs; 260 Lux / 2 m (spot lenses)

FOCUS WHITE 5500°K: 3 x 1W white Luxeon LEDs; 910 Lux / 2 m (spot lenses)

FOCUS WHITE 6800°K: 3 x 1W white Luxeon LEDs; 840 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

### Optical units

3 lenses sets available (Spot, Medium flood, Wide flood)

### Control

Via any DMX lighting console (FOCUS WHITE 3200°-5500°K)

### Protection

Ip65 protection level against the penetration of solids and liquids

### Construction

FOCUS is made on aluminium and stainless steel

### Power supply

Dedicated Z1 or Z4 power supply / LED controllers (FOCUS WHITE 3200°-5500°K)

12V power supply

### Standard accessories

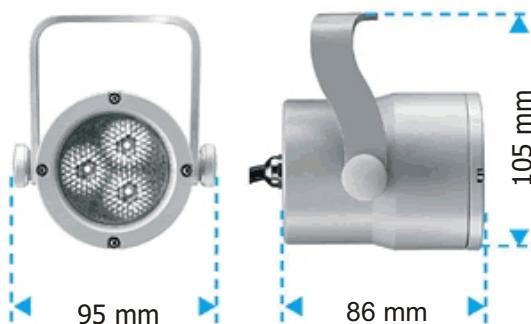
Exagonal bolt for fixed installation and knob

### Connection

Dedicated T-BOX RJ12 connection system (FOCUS WHITE 3200°-5500°K)

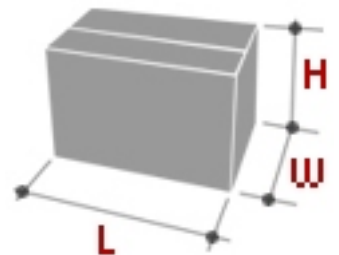
## ACCESSORIES

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- 12V power supply (for max. 3 units) (Cod. 0502B023)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole fl at cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
1 Kg





## **DESCRIPTION**

### **FOCUS R WHITE**

FOCUS R WHITE is a new compact LED projector designed for fixed installation by embedding in floors (featuring a reinforced structure offering high resistance to mechanical stress).

FOCUS R WHITE is available in 4 distinct models, depending on the white colour temperature of the LEDs employed:

**FOCUS R WHITE 3200° - 5500°K** light source is composed of 2 white LEDs and 1 amber LED). Luminosity is 490 Lux at 2 m (spot lenses); white colour temperature can be controlled linearly from 3200°K to 5500°K.

Set-up and connection of the units to the dedicated Z1 or Z4 power supply / LED controllers is fast and easy, thanks to a special T-BOX RJ12 connection system.

FOCUS R WHITE 3200° - 5500°K can be controlled via any DMX lighting console.

**FOCUS R WHITE 3200°K** is equipped with 3 x 3200°K white LEDs; luminosity is 260 Lux at 2 m (spot lenses).

**FOCUS R WHITE 5500°K** is equipped with 3 x 5500°K white LEDs; luminosity is 910 Lux at 2 m (spot lenses).

**FOCUS R WHITE 6800°K** is equipped with 3 x 6800°K white LEDs; luminosity is 840 Lux at 2 m (spot lenses).

Three interchangeable optical units are available for each model (Spot, Medium flood, Wide flood).

FOCUS R WHITE is made on aluminium and stainless steel, offering an IP65 protection rating, and can therefore be used either indoor or outdoor.

#### **FOCUS R WHITE 3200° - 5500°K (Spot) (Cod. 03.LDB022.N)**

Spot lenses

#### **FOCUS R WHITE 3200° - 5500°K (Medium flood) (Cod. 03.LDB022.M)**

Medium flood lenses

#### **FOCUS R WHITE 3200° - 5500°K (Wide flood) (Cod. 03.LDB022.W)**

Wide flood lenses

#### **FOCUS R WHITE 3200°K (Spot) (Cod. 03.LDB013.N)**

Spot lenses

#### **FOCUS R WHITE 3200°K (Medium flood) (Cod. 03.LDB013.M)**

Medium flood lenses

#### **FOCUS R WHITE 3200°K (Wide flood) (Cod. 03.LDB013.W)**

Wide flood lenses

#### **FOCUS R WHITE 5500°K (Spot) (Cod. 03.LDB016.N)**

Spot lenses

#### **FOCUS R WHITE 5500°K (Medium flood) (Cod. 03.LDB016.M)**

Medium flood lenses

#### **FOCUS R WHITE 5500°K (Wide flood) (Cod. 03.LDB016.W)**

Wide flood lenses

#### **FOCUS R WHITE 6800°K (Spot) (Cod. 03.LDB017.N)**

Spot lenses

#### **FOCUS R WHITE 6800°K (Medium flood) (Cod. 03.LDB017.M)**

Medium flood lenses

#### **FOCUS R WHITE 6800°K (Wide flood) (Cod. 03.LDB017.W)**

Wide flood lenses

## DESCRIPTION

### LED technology

FOCUS R WHITE 3200°-5500°K: 3 x 1W Luxeon LEDs (2 x white, 1 x amber); 490 Lux / 2 m (spot lenses)

FOCUS R WHITE 3200°K: 3 x 1W white Luxeon LEDs; 260 Lux / 2 m (spot lenses)

FOCUS R WHITE 5500°K: 3 x 1W white Luxeon LEDs; 910 Lux / 2 m (spot lenses)

FOCUS R WHITE 6800°K: 3 x 1W white Luxeon LEDs; 840 Lux / 2 m (spot lenses)

No infrared emission; no ultraviolet emission

LEDs average lifespan: 100.000 hours

### Optical units

3 lenses sets available (Spot, Medium flood, Wide flood)

### Control

Via any DMX lighting console (FOCUS R WHITE 3200°-5500°K)

### Protection

Ip65 protection level against the penetration of solids and liquids

### Construction

FOCUS is made on aluminium and stainless steel

### Power supply

Dedicated Z1 or Z4 power supply / LED controllers (FOCUS R WHITE 3200°-5500°K)

12V power supply

### Connection

Dedicated T-BOX RJ12 connection system (FOCUS R WHITE 3200°-5500°K)

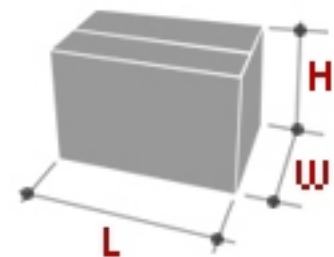
## ACCESSORIES

- Lenses set Spot (Cod. 0506A001)
- Lenses set Medium flood (Cod. Cod. 0506A002)
- Lenses set Wide flood (Cod. Cod. 0506A003)
- Z1 power supply / LED controller (Cod. 03.LA.009)
- Z1 OUTDOOR power supply / LED controller (Cod. 03.LA.009.IP65)
- Z4 RACK power supply / LED controller (Cod. 03.LA.014)
- IR receiver for Z1/Z4 (Cod. 03.LA.016)
- 12V power supply (for max. 3 units) (Cod. 0502B023)
- T-BOX RJ12 (Cod. 03.LA.001)
- T-BOX RJ12 OUTDOOR (Cod. 03.LA.001.IP65)
- RJ12 6-pole male connector (Cod. 0508B058)
- 8-pole cable for RJ connectors (Cod. 0509C054)
- 6-pole fl at cable for RJ connectors (Cod. 0509C053)
- Crimping tool for RJ connectors (Cod. 0508A036)



Packing Dimensions  
(LxWxH)  
170 x 100 x 180 mm

Weight  
0,8 Kg



## IMPORTANT SAFETY INFORMATION

### Fire prevention:

Never locate the fixture on any flammable surface.  
Minimum distance from flammable materials: 10 cm

### Safety:

The external surface of the unit may exceed 50°C, never handle the unit until at least 5 minutes have elapsed since the unit was turned off.

Never install the unit in an enclosed area lacking sufficient air flow.

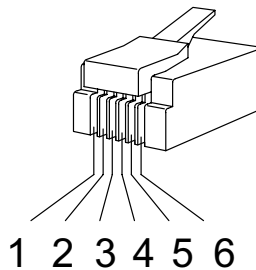
The ambient temperature should not exceed 40°C and should not be lower than -10°C.

## WIRING DIAGRAM

FOCUS LED PROJECTOR is provided with a RJ12 connector

RJ12 : 6P6C

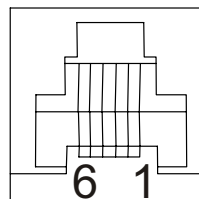
6P6C indicates 6 positions 6 cables



6-pin Male (RJ12)  
Modular Plug

Pin 1 = RED +  
Pin 2 = RED -  
Pin 3 = GREEN +  
Pin 4 = GREEN -  
Pin 5 = BLUE +  
Pin 6 = BLUE -

Power supply LED output connector



6-pin Female (RJ12)

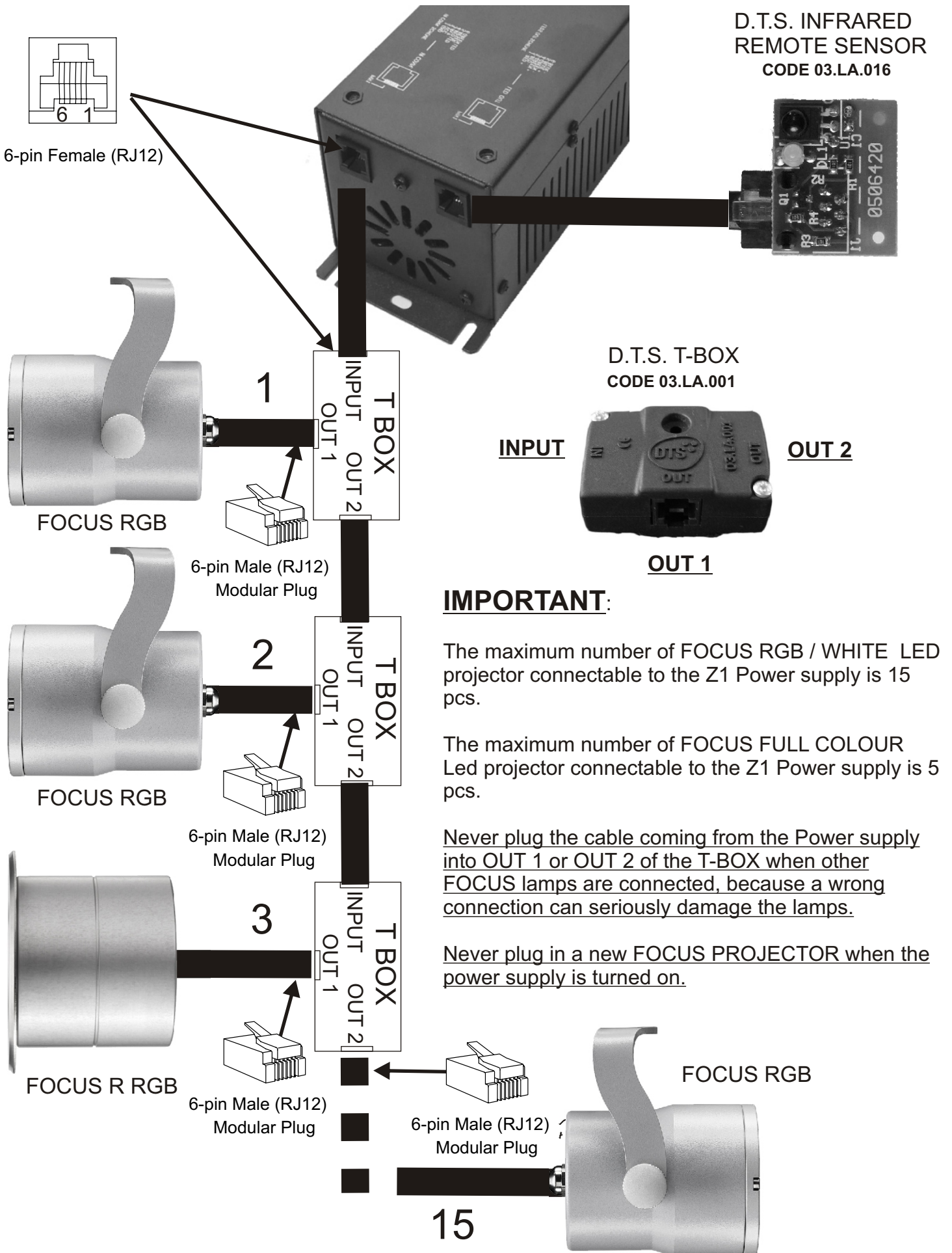
For application where Ip65. rating is not necessary, FOCUS LED PROJECTOR cabling connection can be done with a standard UTP TIA/EIA 568-B2 category 5E cable.

The maximum distance between power supply and the HELIOS unit should not exceed 100 meters.

For Ip65. rating application, D.T.S. reccomed the use of a Ip68 cable as the 10XAWG26 multipolar black outdoor cable (D.T.S. Code: 0509C061).

The maximum distance between power supply and the HELIOS unit should not exceed 100 meters.

**WIRING CONNECTIONS**



**IMPORTANT:**

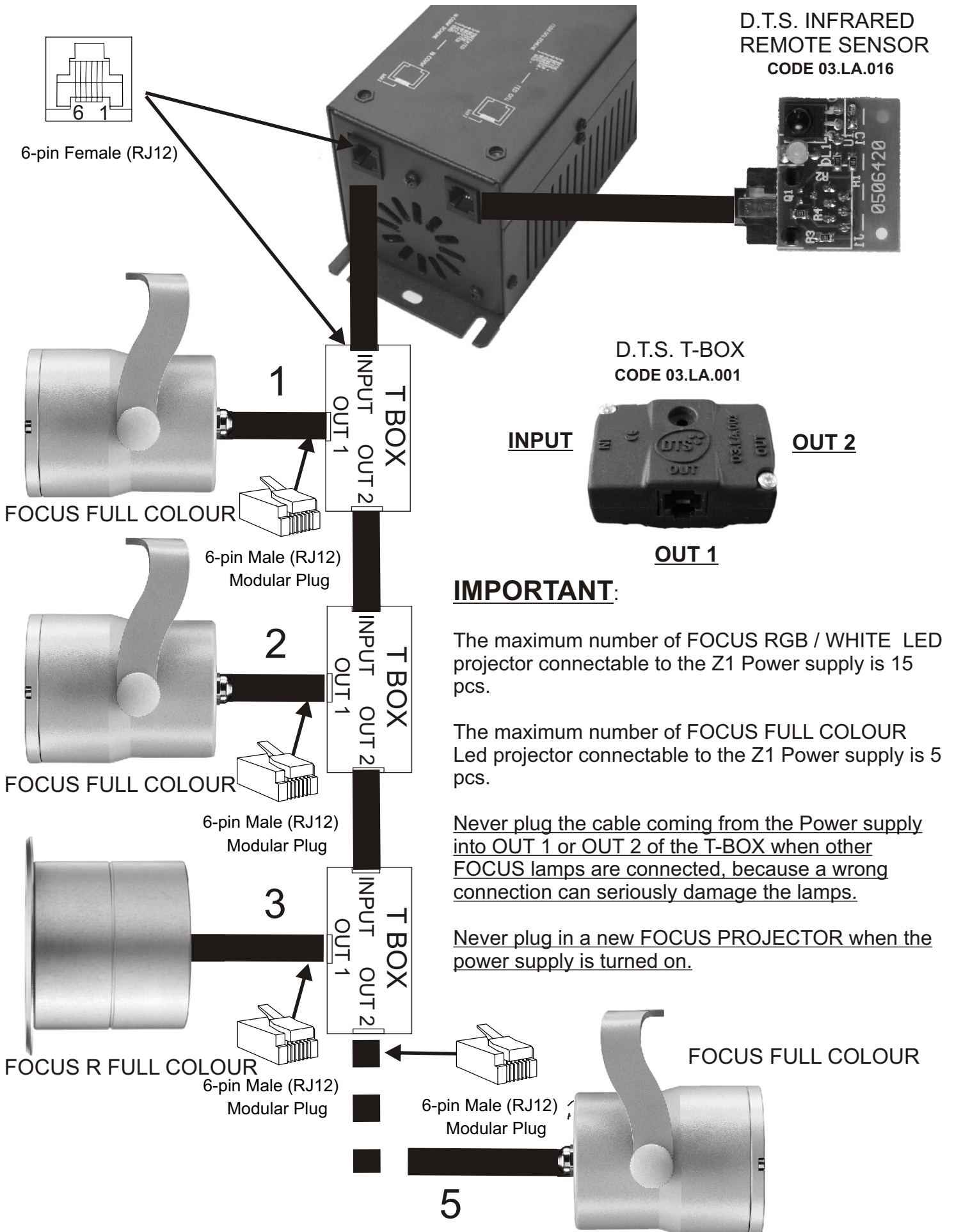
The maximum number of FOCUS RGB / WHITE LED projector connectable to the Z1 Power supply is 15 pcs.

The maximum number of FOCUS FULL COLOUR Led projector connectable to the Z1 Power supply is 5 pcs.

Never plug the cable coming from the Power supply into OUT 1 or OUT 2 of the T-BOX when other FOCUS lamps are connected, because a wrong connection can seriously damage the lamps.

Never plug in a new FOCUS PROJECTOR when the power supply is turned on.

**WIRING CONNECTIONS**



**IMPORTANT:**

The maximum number of FOCUS RGB / WHITE LED projector connectable to the Z1 Power supply is 15 pcs.

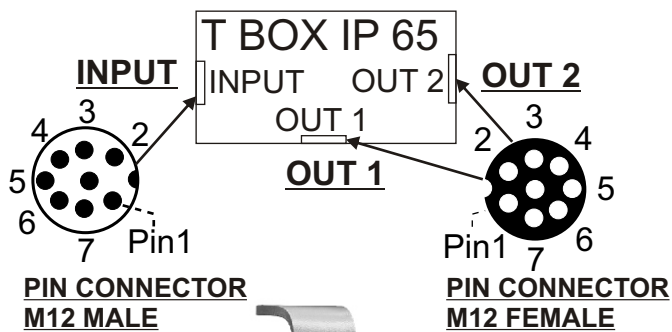
The maximum number of FOCUS FULL COLOUR Led projector connectable to the Z1 Power supply is 5 pcs.

Never plug the cable coming from the Power supply into OUT 1 or OUT 2 of the T-BOX when other FOCUS lamps are connected, because a wrong connection can seriously damage the lamps.

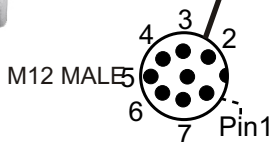
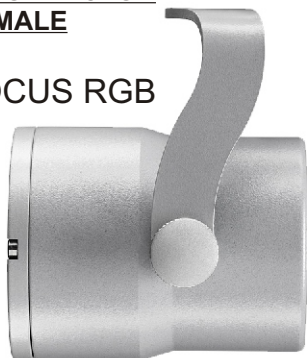
Never plug in a new FOCUS PROJECTOR when the power supply is turned on.

**WIRING CONNECTIONS**

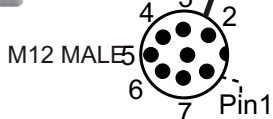
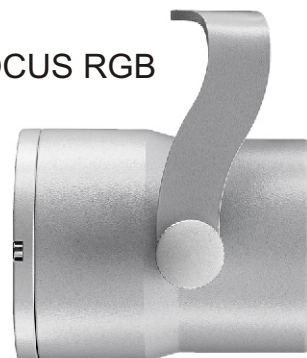
D.T.S. T-BOX IP65  
CODE 03.LA.001.IP 65



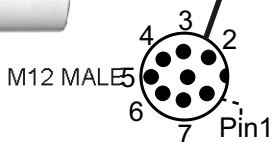
FOCUS RGB



FOCUS RGB



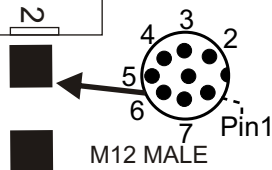
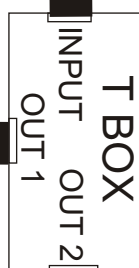
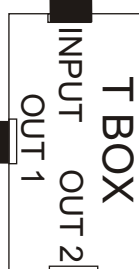
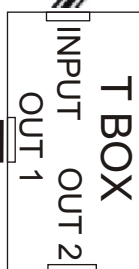
FOCUS R RGB



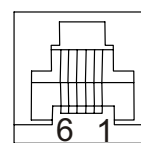
**IMPORTANT:**

The maximum number of FOCUS RGB / WHITE Led projectors connectable to the Z1 OUTDOOR Power supply is 15 pcs.  
The maximum number of FOCUS FULL COLOUR Led projectors connectable to the Z1 OUTDOOR Power supply is 5 pcs.

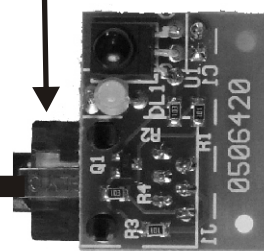
Never plug in a new UNIT when the power supply is turned on.



15



6-pin Female (RJ12)



D.T.S. INFRARED  
REMOTE SENSOR  
CODE 03.LA.016

LEDS  
CONNECTOR PINOUT

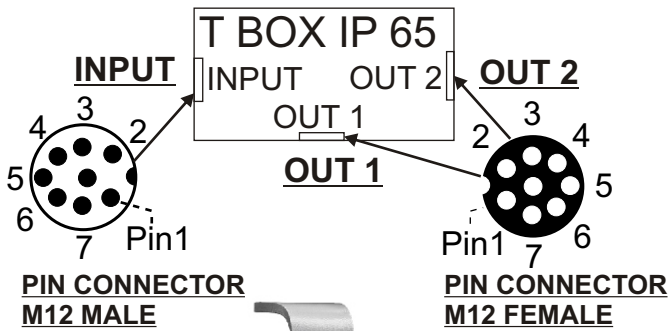
- 1-RED +
- 2-RED -
- 3-GREEN +
- 4-GREEN -
- 5-BLUE +
- 6-BLUE -
- 7-not used
- 8-not used

FOCUS RGB

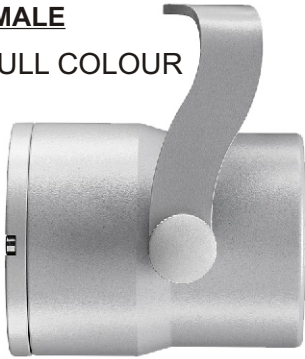


**WIRING CONNECTIONS**

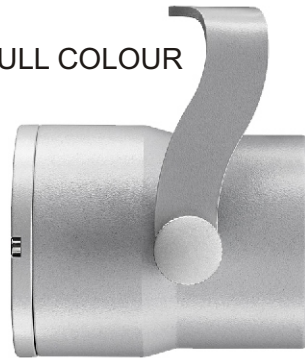
D.T.S. T-BOX IP65  
CODE 03.LA.001.IP 65



FOCUS FULL COLOUR



FOCUS FULL COLOUR



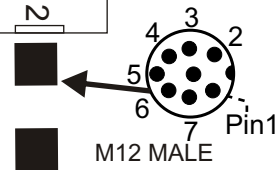
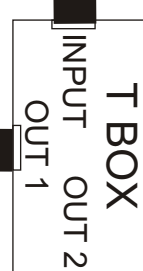
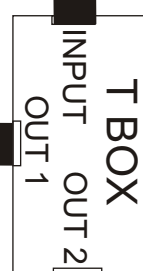
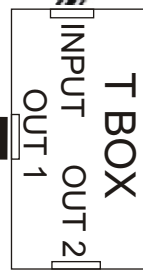
FOCUS R FULL COLOUR



**IMPORTANT:**

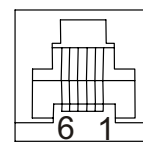
The maximum number of FOCUS RGB / WHITE Led projectors connectable to the Z1 OUTDOOR Power supply is 15 pcs.  
The maximum number of FOCUS FULL COLOUR Led projectors connectable to the Z1 OUTDOOR Power supply is 5 pcs.

Never plug in a new UNIT when the power supply is turned on.

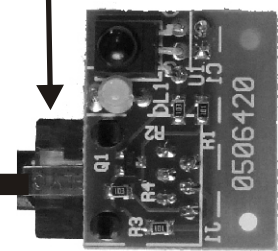


5

FOCUS FULL COLOUR



6-pin Female (RJ12)



D.T.S. INFRARED  
REMOTE SENSOR  
CODE 03.LA.016

**LEDS  
CONNECTOR PINOUT**

- 1-RED +
- 2-RED -
- 3-GREEN +
- 4-GREEN -
- 5-BLUE +
- 6-BLUE -
- 7-not used
- 8-not used

The information contained in this publication has been carefully prepared and checked. However, no responsibility will be taken for any errors. All rights are reserved and this document cannot be copied, photocopied or reproduced, in part or completely, without prior written consent from D.T.S.

D.T.S. reserves the right to make any aesthetic, functional or design modifications to any of its products without prior notice. D.T.S. assumes no responsibility for the use or application of the products or circuits described herein.

MADE IN ITALY



**The Lighting Company**

**ISO 9001:2000**

D.T.S. quality system  
is certified to the  
ISO 9001:2000 standard



D.T.S. products are designed  
and manufactured at the D.T.S.  
plants in Italy



05171090