

## Safety Notice

The manufacturer is discharged from liability when damage is caused by improper use or installation.

If any luminaire and/or accessory is subsequently modified, the persons responsible for the modification shall be considered as manufacturer.

**Notice:** In case the system is equipped with an optional available surge protector, the function can get tested if the signal LED is lit green when the supply voltage is turned on.

In case the surge protector is defective, the LED device gets automatically disconnected from the mains supply. If the signal LED is not lit, the luminaire is not functioning.

For operation as Tunable White Technology the floodlights of the FLC200-TW series require a DMX control signal.

The operation without control signal may lead to error.

External device boxes are required for commissioning the TW variant with control gear required.

To reduce the risk of strangulation, the flexible wiring attached to this light must be effectively wall-mounted when the wiring is within easy reach.

The luminaires may only be operated with SELV control gear.

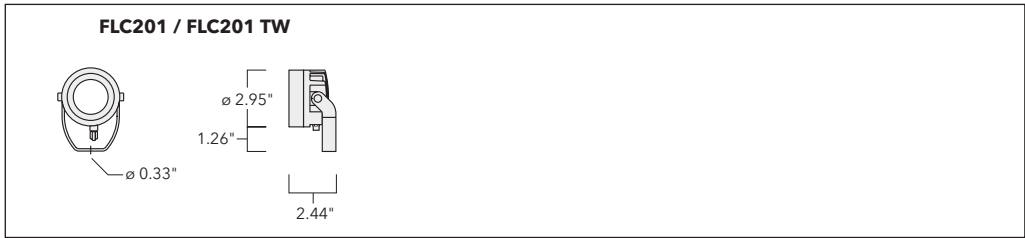


## WE-EF LEUCHTEN

Installation and  
Maintenance Instructions for  
Projectors  
**FLC201 LED**

**Projectors**

IP66, IK07



**Light source**

FLC201 .....	1 LED 6W	Windage area
FLC201 TW .....	1 LED 4W	FLC201 .....
		0.065 ft <sup>2</sup>

Luminaires always come with a separate box/device.  
For information and luminaire connection, see the attached connection/wiring diagram.

Class III, ta = 25°C / 77°F

Weight  
FLC201 ..... max. 1.4 lb

The luminaires may only be operated with SELV control gear.

**Distributor and Driver Boxes for operating the FLC201**

139-2590	JB200 R82x80 PC IP66	Optical accessories should be specified when ordering.
139-6977	FLC201_210 Gear Box	It must be installed in the factory. Retrofitting is not possible.
139-6978	FLC201_210 Tunable White Gear Box	

**Accessories FLC201**

139-2453	IO-180-FLC201-LED
139-2454	IW-FLC201-LED
139-2455	ES-FLC201-LED
139-2456	ET-FLC201-LED

**Installation**

The product must be installed and maintained by a suitably qualified professional in compliance with latest building/construction and/or electrical regulations and relevant legislation.

**Attention!** Switch off mains electrical supply prior to installing and connecting the luminaire. Do not open luminaire while mains supply is switched on.

**Notice:** If the luminaire is modified by anybody other than the original manufacturer, then the warranty will no longer be valid and shall become the full responsibility of the modifying person/organisation. Claims based on defects attributable to improper installation and/or application, and the consequences thereof, are excluded.

In case of component failure, LED replacement due to abnormal circumstances or at end of life, replacement must be carried out by a suitably qualified and trained professional.

In case of questions please contact our technical hotline: +1 724 742 0030 (from Monday - Friday from 08.00 until 16.00 hours).

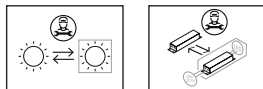
**Maintenance**

Apart from cleaning the product's exterior surfaces, no special maintenance work is required. Do not use high-pressure cleaners.

Protect our environment: Discard used LEDs in compliance with the most recent environmental legislation.

**Tools required**

- Screwdriver TX20 / TX25
- Cross Screwdriver



### Installation Procedure

- 1) Prior to electrical connection, proceed with mechanical installation by firmly fixing stirrup **A** to optional mounting accessory or directly to a suitable surface. Aim luminaire.

**ATTENTION:** Make sure not to damage any electric cable, water pipe or other devices while drilling holes.

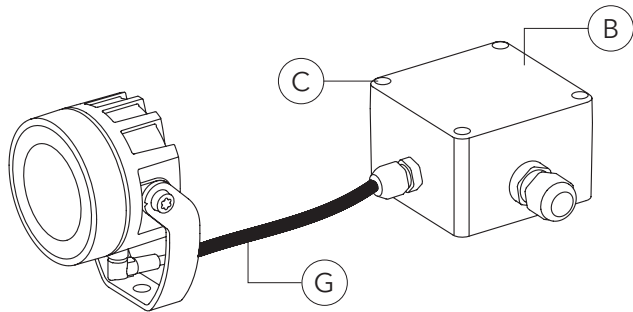
- 2) Switch off the mains electrical supply. ⚡



- 3) Loosen the screws **C** in the connection box (139-2590) to be ordered separately and remove the cover **B**.

**we-ef** 12/17 IP66 **CE**  
**FLC201 LED** 24V DC SELV  
006-1689 → SOE XXXXXXXX  
LED 3000K XXW item no. XXX

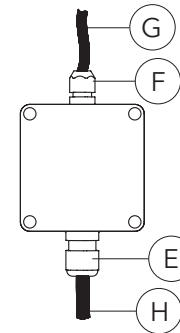
- 4) Check that rating shown on the luminaire label conforms with the mains electrical supply.



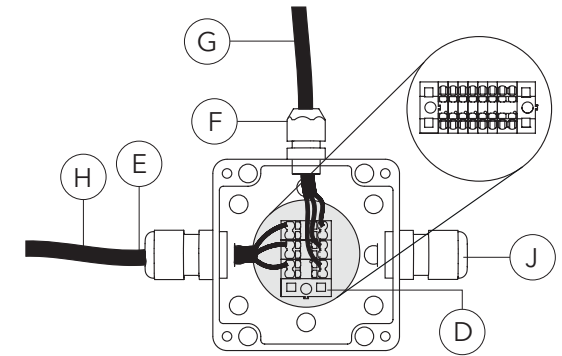
- 5) Feed mains supply cable **G** through cable gland **F**.

- 6) Connect to the correspondingly marked contacts of terminal **D**, according to the wiring diagram. Tighten cable gland **F** firmly.

- Cable gland **F**: M12 clamping area: 0.1 - 0.26"
- Cable gland **E**: M16 clamping area: 0.18 - 0.39"
- Cable **G** is standard on the luminaire, L = 10 ft, 24 AWG
- Cable **H**: max. 16 AWG

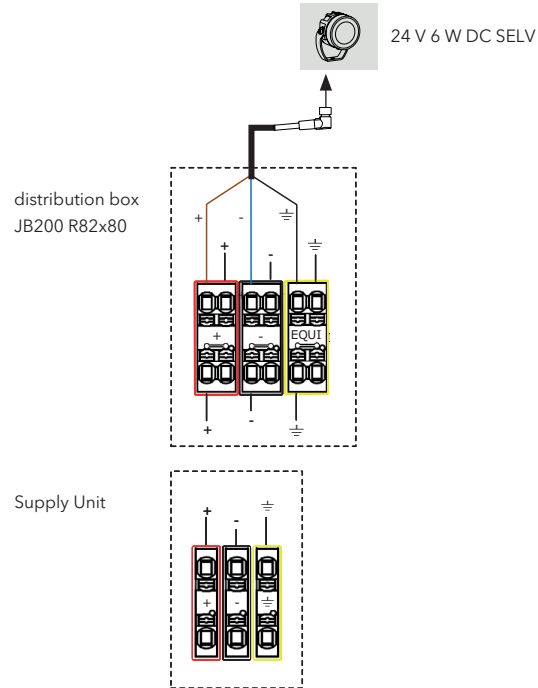


Wiring Box for single luminaire



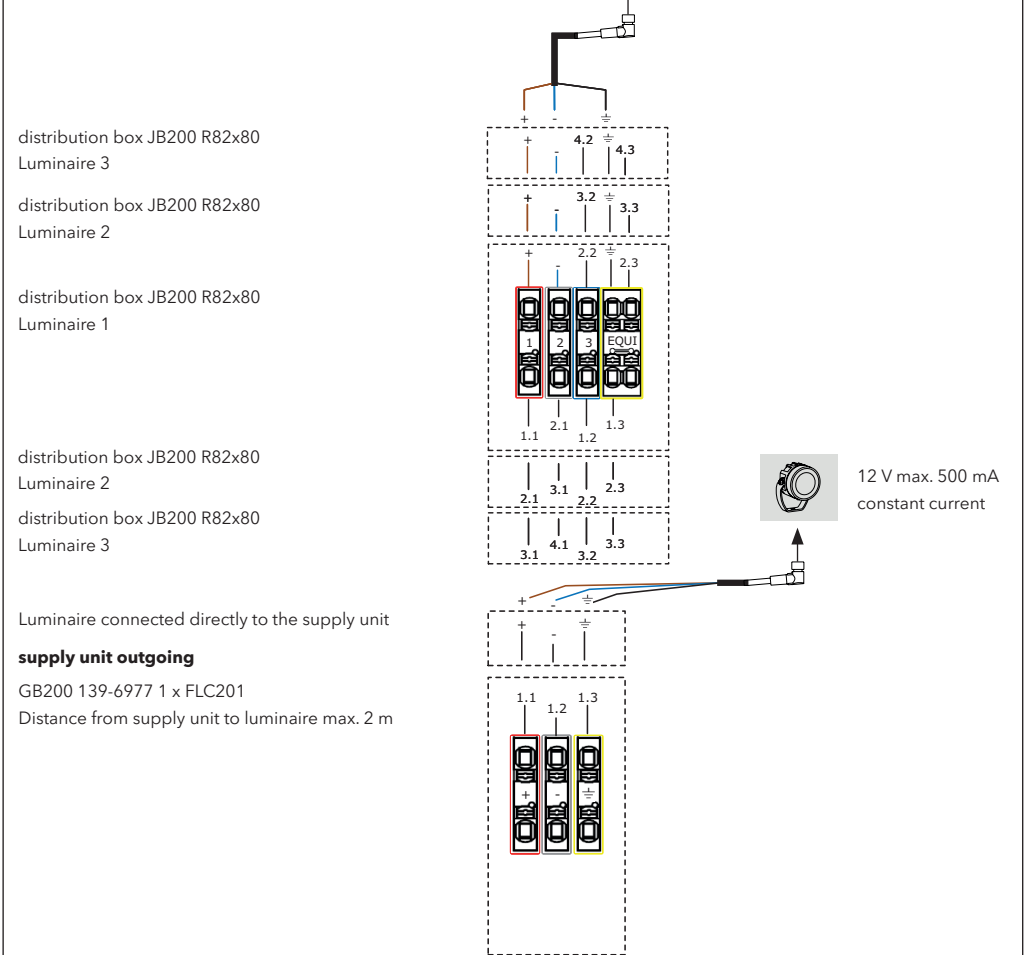
Wiring Box for through-wiring.

**FLC201 on/off 24V DC SELV - Wiring Diagrams**



**FLC201 DMX constant current max. 0-10 V - Wiring Diagrams**

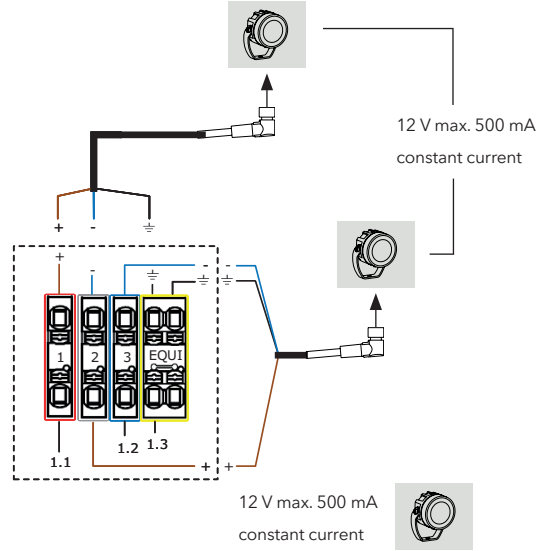
Operation only with SELV



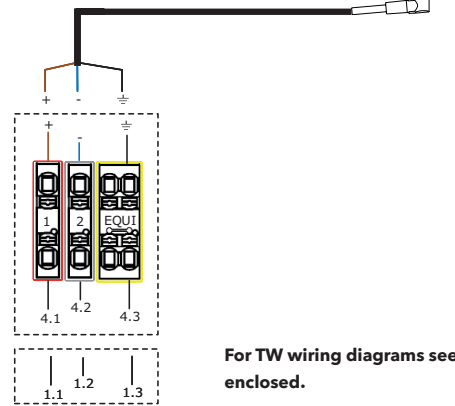
**Description: 1.1**

Line 1  
Wire 1 in line 1

Distribution box JB200 R82x80  
connection of two luminaires



Distribution box JB200 R82x80  
with the last luminaire in the row

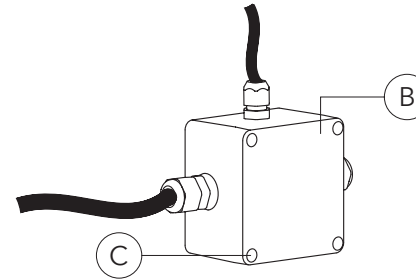


Distribution box JB200 R82x80  
with one luminaire

**For TW wiring diagrams see enclosed.**

8) Reposition gear box cover **B** and tighten screws **C** evenly.

Mounting holes of the JB 200:  
2" x 2.75",  $\varnothing$  0.169



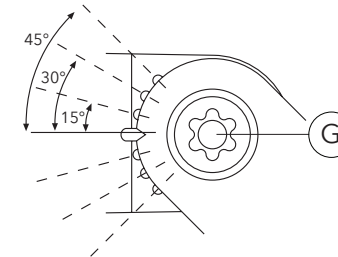
**Torque**

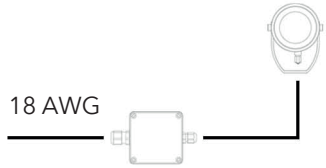
Screw	Torque
M4	max. 2,0 Nm / 17.7 in-lb
M5	max. 4,0 Nm / 35.4 in-lb
M10	max. 23 Nm / 204 in-lb

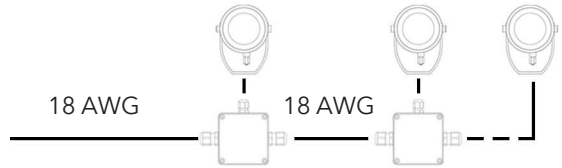
**Cable glands**

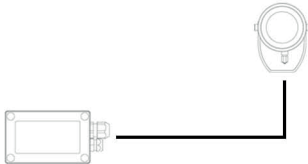
M16	max. 1,5 Nm / 13.3 in-lb
M12	max. 2,0 Nm / 17.7 in-lb

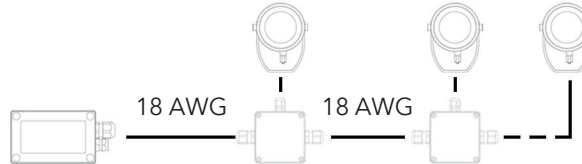
9) Loosen the two screws **G** slightly. Aim luminaire (see illustration Swivel range:  $-45^\circ + 90^\circ$ ), tighten screws **G** firmly (23Nm / 204 in-lb).



<b>FLC201 ON/OFF 24V DC</b> external	 <p>18 AWG</p>
amount of luminaire	1
cable length in ft	10 (between JB and luminaire)
JB200 R82x80 PC IP66	1 (with 2 cable glands)
-	-

<b>FLC201 ON/OFF 24V DC</b> external	 <p>18 AWG</p> <p>18 AWG</p>
amount of luminaire	max. 8 parallel
cable length in ft	in total: 80
JB200 R82x80 PC IP66	amount of luminaire X-1 (with 3 cable glands)
-	-

<b>FLC201</b> <b>120-277V AC</b> <b>0-10V AC</b>	
amount of luminaire	1
cable length in ft	10
JB200 R82x80 PC IP66	-
FLC201_210 Gear Box 139-6977	1

<b>FLC201</b> <b>120-277V AC</b> <b>0-10V AC</b>	
amount of luminaire	max. 4 in series
cable length in ft	in total: 80
JB200 R82x80 PC IP66	Reference accessories
FLC201_210 Gear Box 139-6977	1