



# FELIONI®



## TECPRO® FELIONI® *turbo*



**TECPRO®**  
PRODUCTS  
BY



## TECPRO® FELIONI3®



Felloni lights are world renowned. Used daily by mobile teams for interview lighting.

Also for complete studio lighting (exclusively lit by Felloni lights).

## All Felloni lights of the new generation have in common:

- highest color quality
- new mounting of accessories
- new accessories

**FELIONI3®**

### 3 Versions:

#### TPLONI3-BI

Bicolor

#### TPLONI3-D-HO

Daylight high output

#### TPLONI3-BI-HO

Bicolor high output



Felloni 3	CCT	1 m	2 m	3 m	CRI Ra	CRI Re	TLCI	Δ UV
<b>TPLONI3-BI</b> Bicolor	3200K	1021 Lux	272 Lux	118 Lux	97	96	96,3	-0,0031
	5600K	1121 Lux	306 Lux	131 Lux	95	94	95,9	-0,0001
<b>TPLONI3-BI-HO</b> Bicolor	3200K	1690 Lux	460 Lux	205 Lux	97	94	96	0,0016
	5600K	2124 Lux	578 Lux	261 Lux	97	95	96,6	0,0004
<b>TPLONI3-D-HO</b> Daylight	5600K	4234 Lux	1146 Lux	481 Lux	96	94	96	0,0011

Light exit angle 45 °

TLCI color value approx. 96

Felloni Turbo – only one version in bicolor technology. Extremely high light output (about 5x more than original Felloni). Perfectly used to be used as fill light, outdoors against full sunlight.

Every individual LED has its own optical system.

All Fellonis of the latest generation show optimum color quality, the best achievable in today's LED technology. Best possible spectral distribution. Here, it is important that in our spectral distribution the deep valley next to the blue peak was eliminated, and therefore we avoid the photo-biological hazard according to the Euro norm EN62471.

The photo-biological hazard of discharge lamps (HMI) presented danger for the lenses in the human eye.

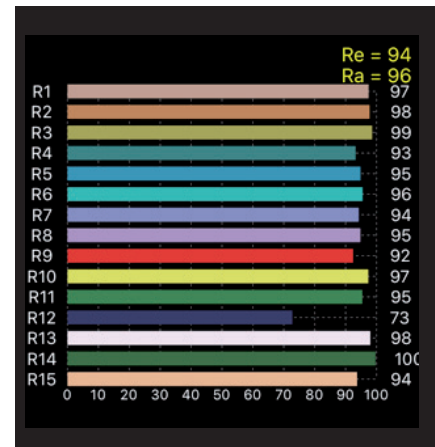
The potential photo-biological hazard by LEDs can be much worse, since it attacks the retina.

These facts are not known by everybody, although of high importance for health and safety when using such lights.



**TP-TURBO-BI**

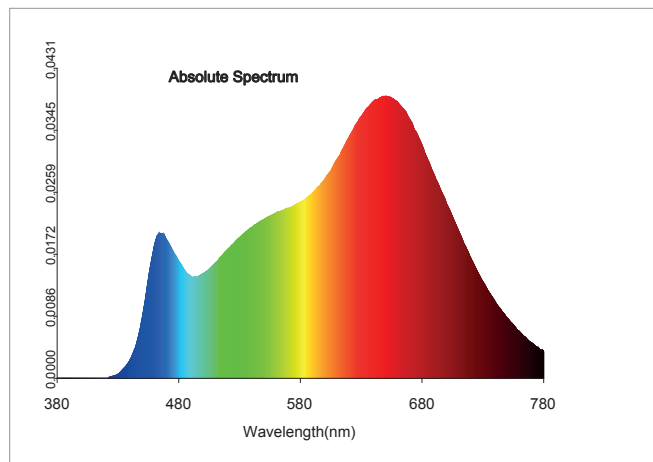
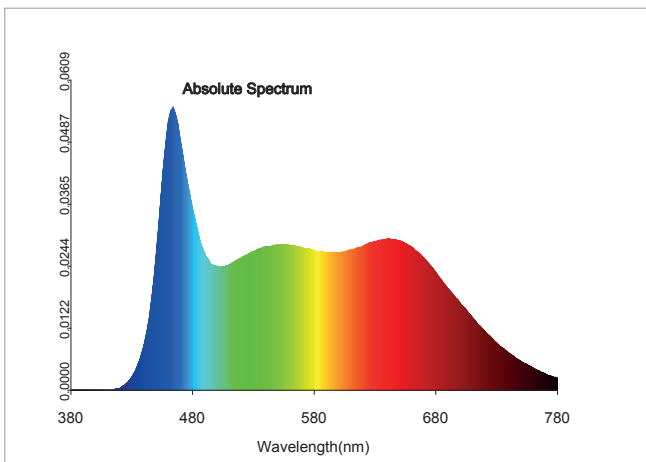
Bicolor



Felloni Turbo	CCT	1 m	2m	3m	CRI Ra	CRI Re	TLCI	$\Delta$ UV
<b>TP-TURBO-BI</b> Bicolor	3200K	10074 Lux	2518 Lux	1119 Lux	95	93	98	-0.0024
	5600K	10694 Lux	2673 Lux	1188 Lux	95	93	96.7	-0.0024

Light exit angle 45 °

TLCI color value approx. 96



# COLOR QUALITY IN DAILY PRACTICE

The very elaborate measurement methods and equipment available today show high precision values. The TLCI (Television Lighting Consistency Index) system represents a very valid step forward in the evaluation of color quality of LED lights. This system is based on the evaluation related to studio cameras, working with 3 CCD sensors and a prism. The overwhelming majority of mobile cameras, even the best ones, work with CMOS sensors. Such cameras and such sensors have the ugly habit that they react to LED light very differently. Thus, cameras of the same manufacturer can show noticeable differences when used with LED light. Difficult to correct.

The examples shown here are representative for the practical tests, which we have been conducting for many years. Since, for example a Canon 5D MarkII camera was showing completely different color values, as opposed to the Canon 5D MarkIII, for a long time this appeared to be an unsurmountable difficulty.

In order to make tests more related to daily work, we have made tests with different skin tone values, lighting one side of the face with LED light, and the other side with a reference light, trying to establish or evaluate matching skin tone rendition. For

this we use different skin tones, from Scandinavian to Mexican, to Ethiopian, and Angolan skin tone (being the darkest skin tone).

Only after many years of such tests and endless attempts to find improvement, we can now say that we have achieved a nearly perfect match between skin tone rendition of LED light and reference light.

As reference light we have used halogen lights with 3000K, 3200K, as well as 3400K, because such halogen lamps (special test lamps) show a totally homogenous and reliable color spectrum.

To find a daylight reference light is much more difficult.

We did not want to use HMI light sources, also other light sources, even the scientific ones don't show a homogenous spectrum. Thus, we decided to use traditional Kino Flo daylight tubes, which do not have a perfect spectrum, but are widely used worldwide.

The final results made us very proud and eliminated a lot of nightmares which we had for many years, when originally the perception of different cameras showed very different results.





# SPECIFICATIONS / CONTROL MODULES

Specifications:	Felloni 3	Felloni Turbo
Cooling system	passiv	aktiv abschaltbar Light output 50% lower when active cooling is switched off.
Exit angle	45°	45°
Weight	2,0 kg with power supply 2,3 kg	2,3 kg with power supply 2,8 kg
Stand mounting	28 mm Pin (Junior), 16 mm (Baby)	28 mm Pin (Junior), 16 mm (Baby)
Power input	10 - 16,8 VDC	13-24 V/DC
Power consumption	24W/50 W (HO Version)	124 W
IP Class	IP20	IP20
Expected lifetime	(LM70) 50.000 hours	(LM70) 50.000 hours



**TP-LONI-DIM**

Single



**TP-LONI-DIM-BI**

Bicolor



**TP-LONI-DIM-DMX**

DMX



**TP-LONI-DIM-WR32**

Wireless with antenna



**TP-LONI-DIM-WT**

Hand control unit



**TP-LONI-CDIM**

Extension cable

# LIGHT-SHAPING AND SOFT LIGHT ACCESSORIES

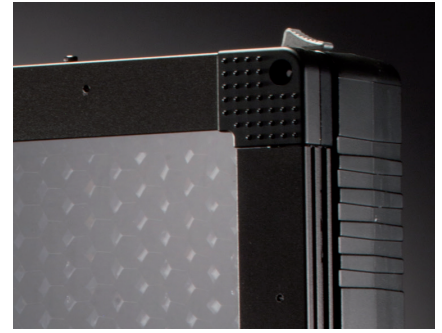


Picture shows new receptacle for front-end accessories.



**TP-TURBO-HON**

Honeycomb in frame



**TP-TURBO-DIFF**

Diffusor in frame

For Felloni3 and Felloni Turbo there are two types of soft boxes available. 50x50cm, ideal for mobile teams, because it folds very small. Soft box 60x60cm. Beautiful soft light, maybe more suitable for studio lighting. For both sizes of soft boxes, grids are available.



**TP-SBX50**

50x50cm soft box

**TP-SBX60**

60x60cm soft box



**TP-SBX50G**

Grid/Louvre for 50x50cm soft box

**TP-SBX60G**

Grid/Louvre for 60x60cm soft box

	Without diffuser	50x50 cm soft box, used as intensifier	60x60cm soft box, used as intensifier.	50x50cm soft box, with two diffusors (inner and outer)	50x50cm soft box, used with one front diffuser only.	60x60cm soft box, used with two diffusors (inner and outer)	60x60cm soft box, used with one front diffuser only.
<b>Felloni 3 Bi 5600K</b>	495	581	511	71	124	105	155
<b>Felloni 3 Bi 3200K</b>	423	514	465	67	117	98	146
<b>Felloni 3 Bi HO 5600K</b>	952	1121	1011	137	244	203	317
<b>Felloni 3 Bi HO 3200K</b>	735	924	915	116	204	174	264
<b>Felloni 3 D HO</b>	1985	2269	2105	273	490	394	568
<b>Felloni Turbo Bi 5600K</b>	4668	3624	3449	667	1192	987	1500
<b>Felloni Turbo Bi 3200K</b>	4399	3270	3063	628	1168	942	1420
<b>Distance 1.5m</b>							
Exit angle Felloni 3, DHO without soft box: 44°, with soft box 50x50cm: 58°, with soft box 60x60cm: 64° Felloni Turbo without soft box: 40°, Felloni Turbo with soft box 50x50cm: 57°, Felloni Turbo with soft box 60x60cm: 62° Felloni Turbo, measured with active cooling. When active cooling is switched off, output goes down to 50%.							



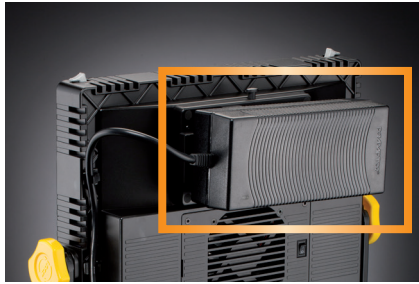
# POWER OPTIONS

## AC power options:



### TP-PSVM

AC power supply for Felloni3



### TP-TURBO-PSV

Power supply for Felloni Turbo



### DYN-DS-95SI

V-Lock battery Tecpro Dynacore. We recommend this battery, because it comes with a built-in charger and is compact, and it includes a capacity indicator.

## Battery power for Felloni Turbo:



### TPS-2V

Here we use two batteries V-lock 95Wh with integrated chargers, and a combining unit which accepts two batteries.



# PACKAGING



## TPSC3

Triple case, accepts 3 Felloni light heads

## TPSC1

Soft case for Felloni3 or Felloni Turbo, one for one light, including lighting stand and space for soft box 50x50.



## TPSC-DST

Lighting stands are put into separate bag, accepting three DST standard dedolight lighting stands.



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