



# JBL LED SOLAR NATUR

High-performance LED light for freshwater aquariums

Suitable for: 



- Maximum light efficiency for beautiful aquatic plants: extremely high photosynthetically active radiation (PAR) of more than 220  $\mu\text{M}/\text{s}/\text{m}^2$
- Plug & play: clip light in tube holder or set it up, connect cable, switch on or dim via remote control and select one of 3 light colours
- Evenly distributed warm white and cool white LEDs for a biotope-compatible light climate, 2 channels with 3 preset light colours: 2700 K (warm white), 4500 K (daylight white), 6400 K (cool white)
- You can extend the features by using your smartphone to include preset biotope-compatible or individual light controls and the JBL LED SOLAR EFFECT RGB light for special colour effects
- Contains: water-protected light (IP67), remote control, driver (receiver), power supply unit, con. cable, holding brackets for top assembly & end caps f. installation in tube sockets (T5&T8). Guarantee: 2 years (+2 years upon registration of product)



# JBL LED SOLAR NATUR

## Accessories



**JBL adapter UK for all flat-pin plugs**



**JBL LED SOLAR CONTROL**  
Control unit for JBL LED SOLAR lights



**JBL LED SOLAR Hanging**  
Rope hanging fixture for JBL LED SOLAR lights



# JBL LED SOLAR NATUR

## Spare parts



JBL LED SOLAR end cap set



JBL LED SOLAR Holding Bracket Set



JBL LED SOLAR Driver



JBL LED SOLAR connection cable



JBL LED SOLAR Y- Cable Switch



JBL LED SOLAR IR sensor universal



JBL LED SOLAR IR remote control



# JBL LED SOLAR NATUR



## Product information

But the light spectrum of aquatic plants varies considerably from the spectrums found in our household or torch LEDs. We are talking here about the photosynthetically active radiation range of the light, called PAR, and a full spectrum which covers ALL the spectral ranges of the visible light spectrum. Only by combining these two components can we achieve the perfect light for aquarium plants!

The special features of the new JBL LED SOLAR lights:

The JBL LED SOLAR lights are suitable as replacements for ALL fluorescent tube lengths. Along with the light itself, the standard JBL SOLAR NATUR includes a remote control unit for simple and professional operation. The IR remote control means several JBL LED SOLAR systems can be operated simultaneously, as the frequency of the IR receivers is identical. If you don't want this, simply move the receivers further away from each other. Then you'll be able to operate each LED unit individually with the same remote control.

Marine water: The JBL LED SOLAR NATUR was originally developed for freshwater aquariums, but has also proved very popular with marine aquarists, as almost all cultivated corals come from shallow waters where they receive full sunlight. If you combine the JBL LED SOLAR NATUR with the JBL LED SOLAR EFFECT, you'll attain a colour temperature of 7800 Kelvin.

Lengths: the lengths stated (e.g. 22 W = 43.8 cm) refer to the fluorescent tube you are replacing.

Length of lamp: 22 W/38.3 cm; 24 W/49.5 cm; 37 W/68.7 cm; 44 W/79.5 cm; 57 W/99.2 cm; 59 W/109.5 cm; 68 W/139.5 cm

Length with plug-on holder suitable for: 22 W/45-70 cm; 24 W/55-80 cm; 37 W/75-100 cm; 44 W/85-110 cm; 57 W/105-130 cm; 59 W/115-140 cm; 68 W/145-170 cm

General calculation of lamp length: Stated length e.g. for 44 W 849 mm incl. retrofit adapters for the replacement of fluorescent tubes, minus adapter lengths (always the same): -50 mm -5 mm= 794 mm real lamp length.

Further information	
FAQ	✓
Blog	✓
Press	✓
Laboratory/calculator	✗
Worth reading	✓
Spare parts	✓
Video	✓
GarantiePlus	✓
Instructions	✓
QR code	





# JBL LED SOLAR NATUR



## Product details

Article data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
EAN number	4014162619037	4014162619051
EAN as barcode		
Performance	24 W	44 W
Length	549 mm	849 mm
Expiry months	-	-
RRP incl. VAT	163,12 €	225,64 €
Base price	-	-
Nominal filling quantity	-	-
Base quantity	1	1
Gross weight	1505 g	1954 g
Net weight	1289 g	1637 g
Weight change	-	-

Disposal		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
Green dot	✓	✓
Group electronic waste	Large appliances that can be used in private households	Large appliances that can be used in private households
Disposal weight	721 g	1069 g
Battery type	1 x CR2025 3V lithium-manganese dioxide button cell	1 x CR2025 3V lithium-manganese dioxide button cell
Battery return	Battery return - portable battery	Battery return - portable battery
Battery rechargeable	-	-
Disposal weight battery	2.4 g	2.4 g
Non-returnable glass	-	-
PPK	216 g	317 g
Plastic small	-	-
Plastic large	-	-
Disposal weight metal	0 g	0 g

Features		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500





Features		
Animal species	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Tetra, Veiltails, blood parrot cichlids, freshwater butterflyfish	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Tetra, Veiltails, blood parrot cichlids, freshwater butterflyfish
Animal size	For all animal sizes	For all animal sizes
Animal age group	All aquarium and terrarium animals	All aquarium and terrarium animals
Volume of habitat	55-80cm (90-130L)	85-110cm (200-250L)
Material	Aluminium profile, light emitting diodes, power supply	Aluminium profile, light emitting diodes, power supply
Food type	-	-
Colour	silver	silver
Dosage	-	-
Transport conditions	-	-





# JBL LED SOLAR NATUR

Electronic label / illuminant		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
Ambient temperature	80 °C	80 °C
Start time	0.1 s	0.1 s
Mercury	-	-
Tube length	549 mm	849 mm
Service life	50000 h	50000 h
Lumen	2500 lm	4700 lm
CRI value	85	85
Dimmable	✓	✓
Switching cycles	20000	20000
PAR value	220 W/m <sup>2</sup>	220 W/m <sup>2</sup>
Energy efficiency class	-	-
UV-A	-	-
UV-B	-	-
UV-C	-	-
Colour temperature	4000 K	4000 K
Base designation	-	-

Technical data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
Range in litres	-	-
Range from - to	-	-
Range in days	-	-
Range tank length	55-80	85-110
Output in watts	24 W	44 W
Output per hour	-	-
Output per day	-	-
Height	17 mm	17 mm
Length	495 mm	795 mm
Width	71 mm	71 mm
Diameter	-	-
Voltage	24 V	24 V
For	-	-
T8 26mm (watt)	-	-
T5 16mm (watt)	-	-
Size	-	-
Content for	enthält 44x4 = 88 kaltweiße + 88 warmweiße = 176 einzelne LEDs	enthält 72x4 = 144 kaltweiße + 144 warmweiße = 288 einzelne LEDs
Filter container volume	-	-
Volume filter media	-	-
Hose connections pressure/out	-	-





Technical data		
Hose connections suction/in	-	-
Delivery head	-	-





# JBL LED SOLAR NATUR

Food type	-
Sub product type	lamps
Dosing	-





## Additional information for the specialist trade sector

Article data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
VAT	24%	24%
Sales unit (SU)	1	1
Volume packaging	4.9l	7.3l
Dimensions (l/w/h)	80 mm/112 mm/550 mm	80 mm/112 mm/812 mm
Layer	36	18
Pallet	144	72
Category of products	3	3
Customs tariff	85437090	85437090
Country of origin	CN	CN
Type of packaging	Faltschachtel/Karton	Faltschachtel/Karton

PU 1 data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
PU 1 material	cardboard gr	cardboard gr
PU 1 weight	550 g	865 g
PU 1 length	556 mm	819 mm
PU 1 width/depth	232 mm	232 mm
PU 1 height	258 mm	258 mm

PU 2 data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
PU 2 material	None	None
PU 2 weight	-	-
PU 2 length	-	-
PU 2 width/depth	-	-
PU 2 height	-	-

Trade data		
Product name	JBL LED SOLAR NATUR 24 W, 549/590mm	JBL LED SOLAR NATUR 44 W, 849/895mm
Art. No.	6190300	6190500
Till receipt text	LED Natur 24W	LED Natur 44W
Shelf placement	Lighting aquariums	Lighting aquariums

