

LED Lighting Solutions For Show Caves

Let's connect.

Application Specific Products

Weidmüller has been providing custom LED lighting solutions for Show Caves since 2004. With our industry leading attention to detail and in accordance with international and local standards, Weidmüller can tailor an LED lighting solution to exactly meet your needs.

Orient Cave
Jenolan Caves, NSW Australia

Exclusively illuminated with
Weidmüller LED cave lights.

www.weidmuller.com.au

Enviro Range

LED Show Cave Lights

Weidmuller's new 4th generation family of Enviromini XL and Enviromaxi XL LED Lights have been designed to provide universal light sources for all illumination requirements of show caves.

The Enviro range of LED Lights contain an internal LED driver to allow for direct wiring to any power supply from 12 to 36VDC. The light output may be adjusted to the desired intensity by internal trim pots. Super capacitors provide a ramp up when switched on, and a ramp down when switched off, negating the need for expensive dimming controls. This feature enables a smooth transition from each illuminated section of the cave.

Each Enviromini XL LED Light consumes only 6 Watts of power and provides a light output of up to 600 lumens.

Each Enviromaxi XL LED Light consumes only 12 Watts of power and provides a light output of up to 1200 lumens.

The Enviro range have been installed in numerous show caves around the world and are often used as the principal light source.



Enviromini XL LED Light



Enviromaxi XL LED Light

- Safe extra low voltage 12 to 36VDC
- Up to 1200 lumens adjustable light output
- 5 different beam angles
- Cool, neutral and warm LEDs are available
- Built in Surge Protection (negative side of power supply must be earthed)
- Corrosion free glass filled polyester housings with polycarbonate front covers
- Long life up to 50,000 hours
- IP66/68 Sealed for high pressure cleaning and continuous immersion up to 2m of water (short term to 10m)

Ordering data for Enviromaxi 12 LED

Type	LED Colour	Lens Type	Lens Angle Degree	Order number
Enviromaxi XL CW-N	Cool White	Narrow (N)	11	7940053264
Enviromaxi XL CW-D	Cool White	Diffused (D)	15	7940053265
Enviromaxi XL CW-M	Cool White	Medium (M)	26	7940053266
Enviromaxi XL CW-W	Cool White	Wide (W)	46	7940053267
Enviromaxi XL CW-R	Cool White	Rectangular (R)	36 x 14	7940053268
Enviromaxi XL NW-N	Neutral White	Narrow (N)	11	7940053269
Enviromaxi XL NW-D	Neutral White	Diffused (D)	15	7940053270
Enviromaxi XL NW-M	Neutral White	Medium (M)	26	7940053271
Enviromaxi XL NW-W	Neutral White	Wide (W)	46	7940053272
Enviromaxi XL NW-R	Neutral White	Rectangular (R)	36 x 14	7940053273
Enviromaxi XL WW-N	Warm White	Narrow (N)	11	7940053274
Enviromaxi XL WW-D	Warm White	Diffused (D)	15	7940053275
Enviromaxi XL WW-M	Warm White	Medium (M)	26	7940053276
Enviromaxi XL WW-W	Warm White	Wide (W)	46	7940053277
Enviromaxi XL WW-R	Warm White	Rectangular (R)	36 x 14	7940053278

Accessories

Type	Description	Order number
Enviro mini/maxi	Stainless steel swivel mount for Enviro mini/maxi	7940056943

Ordering data for Enviromini 6 LED

Type	LED Colour	Lens Type	Lens Angle Degree	Order number
Enviromini XL CW-N	Cool White	Narrow (N)	11	7940050174
Enviromini XL CW-D	Cool White	Diffused (D)	15	7940050175
Enviromini XL CW-M	Cool White	Medium (M)	26	7940050176
Enviromini XL CW-W	Cool White	Wide (W)	46	7940050177
Enviromini XL CW-R	Cool White	Rectangular (R)	36 x 14	7940050178
Enviromini XL NW-N	Neutral White	Narrow (N)	11	7940047209
Enviromini XL NW-D	Neutral White	Diffused (D)	15	7940048837
Enviromini XL NW-M	Neutral White	Medium (M)	26	7940047210
Enviromini XL NW-W	Neutral White	Wide (W)	46	7940050179
Enviromini XL NW-R	Neutral White	Rectangular (R)	36 x 14	7940047211
Enviromini XL WW-N	Warm White	Narrow (N)	11	7940050180
Enviromini XL WW-D	Warm White	Diffused (D)	15	7940050181
Enviromini XL WW-M	Warm White	Medium (M)	26	7940050182
Enviromini XL WW-W	Warm White	Wide (W)	46	7940050183
Enviromini XL WW-R	Warm White	Rectangular (R)	36 x 14	7940050184

Accessories

Type	Description	Order number
Enviro mini/maxi	Stainless steel swivel mount for Enviro mini/maxi	7940056943

Visi-Bright L56 - C Light

LED Show Cave Lights

Weidmüller's Visi-Bright L56 – C LED Light is our highest output LED light for show caves. Providing an impressive light output of 5000 to 7500 lumens, no other LED cave light delivers so much light. The Visi-Bright L56-C is equivalent to a 500 watt parabolic aluminium reflector incandescent lamp yet only consumes 75W of power.

This patented design includes our matrix redundancy system to ensure continued reliable operation for up to 50,000 hours.

- Available in cool, neutral and warm white
- Up to 7500 lumens light output
- 5 different beam angles
- Long life up to 50,000 hours
- IP66 sealed for damp areas (not submersible)
- Drivers available for 24V DC operation



Visi-Bright L56-C

Ordering data

Type	LED Colour	Lens Type	Lens Angle Degree	Order number
Visi-Bright L56-C CW-N	Cool White	Narrow (N)	11	7940060178
Visi-Bright L56-C CW-D	Cool White	Diffused (D)	15	7940060179
Visi-Bright L56-C CW-M	Cool White	Medium (M)	26	7940060180
Visi-Bright L56-C CW-W	Cool White	Wide (W)	46	7940056352
Visi-Bright L56-C CW-R	Cool White	Rectangular (R)	36 x 14	7940060181
Visi-Bright L56-C NW-N	Neutral White	Narrow (N)	11	7940052418
Visi-Bright L56-C NW-D	Neutral White	Diffused (D)	15	7940060182
Visi-Bright L56-C NW-M	Neutral White	Medium (M)	26	7940004620
Visi-Bright L56-C NW-W	Neutral White	Wide (W)	46	7940054307
Visi-Bright L56-C NW-R	Neutral White	Rectangular (R)	36 x 14	7940060169
Visi-Bright L56-C WW-N	Warm White	Narrow (N)	11	7940060183
Visi-Bright L56-C WW-D	Warm White	Diffused (D)	15	7940060184
Visi-Bright L56-C WW-M	Warm White	Medium (M)	26	7940060185
Visi-Bright L56-C WW-W	Warm White	Wide (W)	46	7940060186
Visi-Bright L56-C WW-R	Warm White	Rectangular (R)	36 x 14	7940060187
24V DC Driver	(1 Required per light)			7940004619

Rockstar LED Light

LED Show Cave Lights

Weidmüller's family of Rockstar LED Lights have been designed to allow for maximum flexibility and creativity for lighting show caves.

Each Rockstar LED light consumes only 1 watt of power but delivers up to 120 lumens of light in five different beam angles.

Rockstar LED Lights have been installed in numerous Show Caves around the world and have proved to be a universal light source for lighting features, walkways, stairs, ladders as well as general illumination.

- Safe extra low voltage 6 to 28VDC
- Up to 120 lumens light output
- 5 different beam angles
- Long life up to 50,000 hours
- Sealed for constant high humidity applications (not submersible)



Rockstar LED Light - Now in long life polycarbonate housing

Rockstar LED Light

LED Show Cave Lights

Ordering data

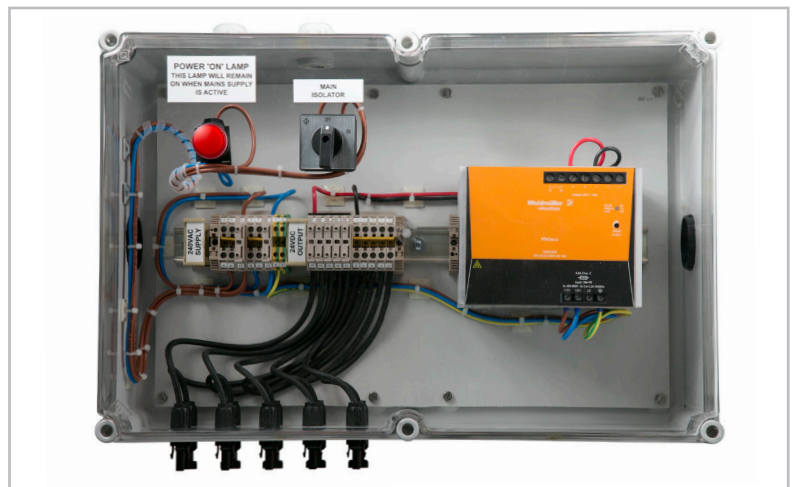
Type	LED Colour	Lens Type	Lens Angle Degree	Body Type	Driver	Up/Down Ramping	Order number
Rockstar Light WID CW-N	Cool White	Narrow (N)	13	Right Angle	With Internal Driver (WID)	No	7940028182
Rockstar Light WID CW-D	Cool White	Diffused (D)	15	Right Angle	With Internal Driver (WID)	No	7940028185
Rockstar Light WID CW-M	Cool White	Medium (M)	31	Right Angle	With Internal Driver (WID)	No	7940028187
Rockstar Light WID CW-W	Cool White	Wide (W)	59	Right Angle	With Internal Driver (WID)	No	7940028189
Rockstar Light WID CW-R	Cool White	Rectangular (R)	44 X 13	Right Angle	With Internal Driver (WID)	No	7940028193
Rockstar Light WID NW-N	Neutral White	Narrow (N)	13	Right Angle	With Internal Driver (WID)	No	7940052423
Rockstar Light WID NW-D	Neutral White	Diffused (D)	15	Right Angle	With Internal Driver (WID)	No	7940052425
Rockstar Light WID NW-M	Neutral White	Medium (M)	31	Right Angle	With Internal Driver (WID)	No	7940052427
Rockstar Light WID NW-W	Neutral White	Wide (W)	59	Right Angle	With Internal Driver (WID)	No	7940052429
Rockstar Light WID NW-R	Neutral White	Rectangular (R)	44 X 13	Right Angle	With Internal Driver (WID)	No	7940052431
Rockstar Light WID WW-N	Warm White	Narrow (N)	13	Right Angle	With Internal Driver (WID)	No	7940052433
Rockstar Light WID WW-D	Warm White	Diffused (D)	15	Right Angle	With Internal Driver (WID)	No	7940052435
Rockstar Light WID WW-M	Warm White	Medium (M)	31	Right Angle	With Internal Driver (WID)	No	7940052437
Rockstar Light WID WW-W	Warm White	Wide (W)	59	Right Angle	With Internal Driver (WID)	No	7940052439
Rockstar Light WID WW-R	Warm White	Rectangular (R)	44 X 13	Right Angle	With Internal Driver (WID)	No	7940052441

Installation equipment

Power protect and switch

The installation of an LED lighting system in a show cave requires additional equipment to power, protect and switch the lights. Weidmüller offers a custom design and production service where we can offer plug and play junction boxes fitted with all the relevant operational equipment.

Weidmüller also manufactures battery backed 24VDC switchmode power supplies to provide a safe and clean supply for all our LED lights. Installation products such as terminals, connectors and relays are all to be found in our exhaustive range of electrical connectivity and industrial electronics products. We also recommend the use of surge protection devices on all mains circuits entering a cave. Weidmüller's surge protection products are



manufactured to the highest IEC standards and are most suitable for this application.

We would be pleased to discuss your particular requirements for supply of individual items or a complete system package.



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