

Tunnel lighting in the Nant de Drance pumped-storage power station

The engineering marvel with GIFAS lighting

Customer/installation engineer:	CFF Le Chatelard
Requirement:	Access gallery lighting
Solution:	StreamLED with cable and current collector on flat cable
Article:	176975/176976 StreamLED und StreamLED emergency
Quantity:	300
Areas of application:	tunnels, access gallery, power stations, sewage treatment plants

Starting situation

The access gallery for the tunnel pumped-storage power station in the canton of Valais required adequate illumination. The 6km long gallery was provided with 300 lights, with every fourth light also serving as an emergency light. The 24 flat cable harnesses with a length of 250m were equipped with 20 lights each. The lights were mounted on a kerb with a height of approximately 1 m. The StreamLED has a high protection class (IP68/69K), and its compact design means that it can be installed quickly and easily. The gallery is now illuminated as requested, thereby ensuring that it is safe to access.



Customer benefits

- easy and quick installation
- the glare is reduced to the minimum by turning the pipe.
- less power consumption at very high utilization ratio
- immediate full luminous flux
- minimal temperatures progression
- Insensible against pusting and vibrations



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