RLS2000, RLS1000

Rosenbauer Technical Equipment

LED Lighting Systems

Powerful. Compact. Multifunctional.

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Portable battery LED lighting systems

Turns night into day.

The multi-functional Rosenbauer LED lighting systems are used wherever supplying the right light is difficult. The RLS1000 and RLS2000 provide assistance in operations where supplying power is generally a challenge (e.g., during flooding) and on difficult terrain (e.g., forests, on rooftops). Operational areas can be optimally illuminated without any additional power source. The powerful LED lighting systems are not only helpful to fire departments, but are also ideal for other emergency response organizations, such as the police and technical relief organizations.

The advantages are obvious:

- **Rechargeable**
- **Compact**
- **Multifunctional**
- **Powerful**

Excellent light output, with rechargeable battery

The RLS2000 and RLS1000 both feature an integrated, powerful battery. Depending on the model, it can have a lighting time up to 17 h at 100% light output, without any external power. Using an optional power adapter makes unlimited operational use possible, without time limitation. Thus, the powerful lighting system ensures optimum lighting conditions all through the night. A colour temperature of 6,500 Kelvin provides daylight-like conditions in the middle of the night. The light output can be increased to 150% with the Powerboost function.

Intelligent battery management

With an integrated battery and 12 V/24 V charger, the RLS devices are also distinguished by their practical application. The RLS lighting systems have an integrated charging unit that not only monitors its own battery status, but also that of the donor battery (e.g. the vehicle battery). Charging is especially easy. All you need is a cigarette lighter socket – plug in, charge, ready. All without an additional charger. The lighting system can be charged and operated from any 230 V socket with the optional power adapter.

RLS2000 and RLS1000 – The clever LED lighting systems.

Portable hand lamp en route to the scene

Work stations lighting

RLS1000 – The first light at the scene of an emergency.

The RLS1000 has an integrated, powerful battery that lasts up to 17 hours at 100% light output. The swivelling lighting head features 30 high-performance LEDs with a special lens system plus 16 multicolour LEDs

Technical data of the RLS1000

	RLS1000	RLS1000 Lion
Battery	12 V, 22 Ah lead gel	14,4 V, 41,6 Ah Lithium ion battery
Colour temperature	6,500 K (similar to daylight)	
Operating time	approx. 8 h at 100% output, approx. 33 h at 25% light output	approx. 17 h at 100% output, approx. 34 h at 50% output, approx. 11 h at 150% output
Operating modes	Ground lighting with spotlight or floodlight, stepless	
Flashing light	in 5 colors (red, green, blue, yellow and white)	
Dimming function	continuously adjustable in 6 stages from 8% to 150%	
Powerboost	150 % light output for 10 minutes	continuous
Luminous flux at 100 % output	approx. 4,800 lumen	
Luminous flux at 150 % output	approx. 6,600 lumen	
Protection class	IP54	
Dimensions (net)	430 x 215 x 255 mm (16.9 x 8.5 x 10")	
Weight	12 kg (26.5 lbs)	9 kg (19.8 lbs)

RLS2000 – Perfect 360° illumination at the scene of an emergency.

The new, completely flexible LED lighting head of the RLS2000 is another plus for this popular lighting system in terms of functionality. Anything is possible with the multi-functional lighting head that moves in all directions: from a powerful spotlight for search and rescue operations to a 360° floodlight. Even a combination of the two is possible.

- Three flexible LED light panels: Provide 360° illumination as well as a variety of application possibilities in operation. The angle of inclination of each panel can be individually adjusted to any position.
- High Power LED Technology: highest efficiency for maximum light output
- Variable Light Power: the three panels can be individually switched on and off
- Perfect 360° illuminationwhen used with a large 4.70 m (15'5") tripod

360° floodlight

360° spotlight

Technical data of the RLS2000

	RLS2000	RLS2000 Lion
Battery	12 V, 22 Ah lead gel	14,4 V, 41,6 Ah Lithium ion battery
Color temperature	6,500 K (similar to daylight)	
Operating time	approx. 3 h at 100% output of all panels, approx. 7 h at 50% light output	approx. 8 h at 100% output, approx. 16 h at 50% output, approx. 4.5 h at 150% output
Operating modes	Ground lighting with spotlight or floodlight, stepless	
Flashing light	in 4 colors (red, green, blue and yellow)	
Dimming function	adjustable in steps of 10%	
Powerboost	150% light output for 10 minutes	continuous
Luminous flux at 100% output	approx. 8,500 lumen	
Luminous flux at 150% output	approx. 12,000 lumen	
Protection class	IP54	
Dimensions (net)	430 x 215 x 255 mm (16.9 x 8.5 x 10")	
Weight	12.2 kg (26.9 lbs)	9.3 kg (20.5 lbs)

RLS2000 with integrated extension poles.

■ All in one system.

Simple and practical. The RLS2000 and RLS1000 combine all components of a powerful floodlight in a single functional system.

Dimming function

The work light can be dimmed in multiple stages, with a light output from 8% to 150%. The light output can be regulated as needed.

Diffuser

A special diffuser enables continuous switching between focused spotlight and wide angle light. Whether with the spotlight to search for persons involved in accidents or the floodlight as a low-glare working light, the RLS2000 and RLS1000 always provide the right illumination.

Integrated tripod, easy height adjustment

The integrated extension poles with quick lock system (quick-release device) allow the light head to be set at different heights, up to a maximum of 1.80 m (5'10"). The main advantage: an additional tripod and extension cord are no longer necessary. Fold-out stabilizers ensure stability even on uneven surfaces. With the practical carrying handles the floodlight can also be used as a hand lamp, to light the way to the scene, for example.

RLS1000 with fold-out stabilizers

Signal flashing light in various colors

Additional flashing functions also allow it to be used as an LED signal light in 5 colors:
- Red flashing light, e.g. as identification command
- Green flashing light, e.g. to mark the meeting point for crew with SCBA
- Yellow flashing light, e.g. to mark danger zones on the road
- Blue flashing light, e.g. to identify rescue organizations
- White flashing light, e.g. as a general signal light

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Order data

312305	RLS2000
3123051	RLS2000 Lion
3123053	RLS2000 black
3123054	RLS2000 black Lion
312307	RLS1000
3123071	RLS1000 Lion

Accessories

31230801	230 V AC adapter
314101	4.7 m (15.4 ft) tripod
31230804	Tripod adapter for DIN mounting pin
31230805	3 m (9.8 ft) extension cord for light head height of 5 m (16.4 ft) with larger tripods
312305E01	Additional complete light head for RLS2000
312307E03	Additional complete light head for RLS1000
312305E02	Replacement SLA battery for RLS2000 and RLS1000
3123051E01	Replacement Lion battery for RLS1000 Lion and RLS2000 Lion
3123052	Conversion kit RLS1000/RLS2000 from lead-gel to lithium iron phosphate battery LiFePO$_4$
92881A-001	Support bracket for storage in vehicles

RLS2000 with 4.70 m (15'5") tripod

A practical accessory is the DIN tripod adapter (31230804), with which the LED lighting head can be attached to any tripod with the standard DIN mounting attachment. A 230 V AC adapter (31230801), an extension cord for a light head height of 5 m (16'4") with larger tripods (31230805), and a forming cup for mounting in the vehicle (92881A-001) are also available as accessories.

230 V AC adapter

DIN tripod adapter

Adapter for DIN tripod

Holding tray

3 m (9'10") extension cord