SILK® RUNNING ON DC SOURCES

Silk is designed to run on any voltage between 13V – 36VDC.

However it is most efficient running at 24V. Below 20V the fixture becomes steadily less efficient.

For optimal performance run Silk on an AC transformer.

A second option is to run it on 24 V DC source, either with a block battery or with the Silk Double V – lock adaptor, BB-VLO-2X.

The third option is to run on one 12V battery using the V-lock or Anton/Bauer adaptor plate, BB-SIL-VLOCP or BB-SIL-ABCP. In this situation it is advised to use the highest capacity battery available. High capacity and heavy duty V-locks and Anton/Bauer batteries are available and High Draw versions are available from some manufacturers such as Hawk-Woods.

At full output Silk can pull up to 10A as the battery voltage reduces, therefore it is advised to select a battery that is suitably rated.

Hawk-Woods and other manufacturers now offer a range of batteries that are designed for high current draw, up to 15A, ideal for use with Silk lighting products. A battery used on Silk 210 must have a current rating of >10A to cope with current draw at lower voltages to ensure it doesn't cut out early and reduce running time.

There are a range of variables that effect battery life such as capacity, age, number of duty cycles, quality, and ambient temperature.

Silk firmware has been designed to protect the driver electronics. At 13.5V input the entire display will flash to warn the user that there is limited remaining capacity. At 13.0V the lamp will switch off and display "Lo OFF". Please switch off the unit and change the battery or switch to an alternative power source. The time between the warning display and cut out will vary but a typical duration would be 4 – 6 minutes.

Additionally there are other steps you can take to prolong battery life on Silk **if** running time is the priority. Roll off the output to <90% and walk the lamp in slightly closer to the subject if possible. This can increase the running time by up to 75%. Adjusting color temperature below 5300K if possible will also increase running time. 4300K, for instance, if appropriate to your situation will increase running time by as much as 25%.

Rosco extensively tests batteries with Silk 210 on a range of color temperatures and dimmer settings.

The batteries listed overleaf have successfully passed benchmark testing and the table is derived from real life testing which can be used as a guide to expected running time at various fixture settings.

Many other batteries offered from a range of manufacturers may work but their performance and reliability cannot be confirmed by Rosco.

Silk® 210
Pure, soft white light

BATTERIES RUN TIME

Bat 1	Bat 2	Manufacturer	CCT	Running Time
91		IDX	2800	0:36:00
91		IDX	4700	0:37:00
91		IDX	5600	0:24:00
94		AB PAGlink	2800	0:38:00
94		AB PAGLink	4700	0:40:00
94		AB PAGLink	5600	0:26:00
98		BCB	2800	0:47:00
98		BCB	4700	0:47:00
98		BCB	5600	0:36:00
98		BCB	6500	0:46:00
130		Dynacore	4300	0:58:00
130		Dynacore	5600	0:23:00
90H		Hawk-Woods	4300	0:50:36
90H		Hawk-Woods	5000	0:36:00
90H		Hawk-Woods	5600	0:30:00
140		Hawk-Woods	3200	0:24:00
140		Hawk-Woods	4300	1:12:00
140		Hawk-Woods	4700	1:01:00
140		Hawk-Woods	5000	0:26:00
140		Hawk-Woods	5600	0:25:00
140		Hawk-Woods	6500	0:53:00
150		AB HC Dionic	2800	0:31:00
150		AB HC Dionic	4700	0:30:00
150		AB HC Dionic	5600	0:27:00
150		AB HC Dionic	6500	0:37:00
190		Hawk-Woods	2800	1:16:00
190		Hawk-Woods	3200	0:48:00
190		Hawk-Woods	4300	1:40:00
190		Hawk-Woods	4700	1:23:00
190		Hawk-Woods	5600	0:30:00
90H		Hawk-Woods	4300	0:45:00
90H		Hawk-Woods	5600	0:26:00
150		Lanparte	4300	1:10:00
146		IDX	4300	1:21:00
87		IDX	5600	0:29:00
150		Lanparte	5600	0:44:00
146		IDX	5600	1:00:00
130		DYNACORE	5600	0:42:00
140	140	Hawk-Woods	3200	2:29:00
140	140	Hawk-Woods	4300	2:48:00
140	140	Hawk-Woods	5600	2:15:00
190	190	Hawk-Woods	3200	3:21:00
190	190	Hawk-Woods	4300	3:50:00
190	190	Hawk-Woods	5600	2:10:00