





'Light Assist' – Technical Specifications

	<ol style="list-style-type: none"> 1. Motor tube 2. Battery rack with charger 3. Twist handle 4. Handle elongator 
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<p>Controller : Twisting handle</p> 	 <p>A pair of hook plates and a joystick bracket are fixed to the wheelchair. The wheelchair can be folded as normal.</p>
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The motors	
Motors	Total weight
2 x 12v x 100w	6.7 kg

Battery racks				
Model	Weight	Autonomy*	Charge Time	Lifespan
Lead 10Ah 24v	8.5 kg	7 to 9 km	10h	200 cycles (1 to 3 years)
NiMH 8Ah 24v	3 kg	6 to 8 km	4h	600 cycles (2 to 7 years)
NiMH 13,5 Ah 24v	6 kg	10 to 15 km	7h	600 cycles (2 to 7 years)

**dependent on conditions such as terrain, temperature and weight of the user.*

Adaptable wheelchairs	Installation possible on virtually all chairs from 25 cm seat width (9 _ inches).
Maximum weight advised	Approx 100 kg (16 stone) for optimum performance, but can go up to 120 kg (19 stone).
Climb	20% (12°) for a person weighing 70kg (11 stone).
Speed	Adjustable between 0-10 km/h (0-6mph).
Tyres	We recommend Marathon Plus from Schwalbe as they offer excellent traction with our system and have a very thick layer of puncture resistant material. Solid tyres are not compatible.
Front castors	We recommend castors no smaller than 6" in diameter.