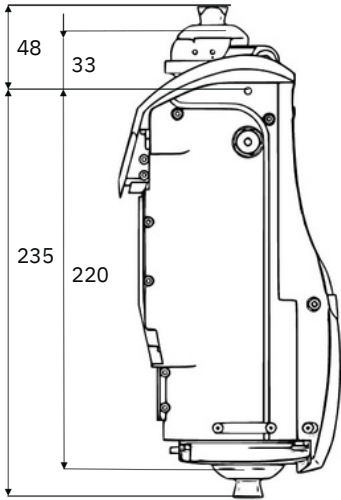




Product Name	Bio Leg®	Color
Model No	BLP001 / SN007	
Amp. Level	Transfemoral amputation, knee disarticulation	
Weight Limit Maximum	Load of 275lbs (125kg)	
Width	111.0mm	
Proximal & Distal Connection	Male pyramid only	Dimensions (mm)
Weight	3kg including battery	
Maximum Extension	0°	
Maximum Flexion Angle	132°	
Operating Temperature	14°F to 104°F (-10°C to 40°C)	
Internal Power Source	Lithium-Ion Battery <ul style="list-style-type: none">Fully charged in 3~4 hoursContinuous usage for 22 hours	
Warranty	3 Years	
Reimbursement Codes	L5827, L5856, L5859	

*Please note that some specifications may be changed without notice in order to improve the performance of the product.



Carbon Black



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Bio Leg®

Powered Micro-Processor Knee
Made in Japan

Stride Into The Future

Where innovation, comfort, and
confidence unite in every step.



reddot winner 2020

L5827 + L5856 + L5859

Bio Leg[®]

Robotic Prosthetic Knee
Made in Japan



JAPANESE PROVEN TECHNOLOGY IMPROVES QOL WITH INNOVATIVE MOBILITY

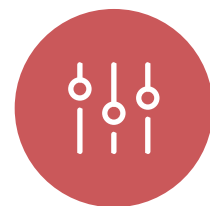
Bio Leg delivers world-leading knee **extension and flexion, walk assistance, safety, reliability** and reduction of secondary physical damage to improve the quality of life for the lower limb amputees by applying DC-motor actuation, multiple sensor technologies, an algorithm base on biomechanics and kinetic energy recovery.



Balance & Symmetry

not just bringing the gait back, but **bringing the balance back**

The intricate design of the human body is inherently centered around balance and symmetry. More than simply restoring mobility, Bio Leg aims to recreate the natural harmony that is essential for long-term well-being. The risk of pain and discomfort in the sound side and lower back is reduced by minimizing compensatory movements. A smoother, more comfortable journey towards optimal mobility and vitality is ensured by the commitment to restoring balance and symmetry.



Safe and Controlled Power

brings **comfortability** and **security**

Bio Leg is designed to assist various types of patient's ambulation and ADL with safe and controlled power, rather than counter intuitive functioning. Bio Leg integrates powered assistance to complete patient's normal gait functions in various terrains, ambulation up and down stairs and minimize compromising amputee's sound side.



Intuitive and Natural Movement

brings **confidence** and **higher quality of life**

Bio Leg bionic muscle technology enhances the patient's mobility allowing for smooth transitions from sit to stand, stair descent to stair ascent, and various speed modes for various terrains. Bio Leg intuitive movement technology recognizes patients desire from sit to stand mode thus allowing for natural ascending from a chair, thus not prone to misfiring.

5

"POWERED" FEATURES PROVIDE MORE MOBILITY

01

Assisted Walking



The knee joint actively provides power to assist flexion and extension, overcoming the shortcomings of the traditional knee joint that needs to be driven by the force of the residual limb, helping extend to land faster, reducing the burden of sound side support and improving the coordination of both leg.

02

Stair Ascent



During the swing phase, the knee joint is actively bent and the leg would stop at approximately 90° to the ground. During the stance phase, The body weight is supported and carried and extension torque is generated to actively lift the body upward.

03

Stair Descent



During the swing phase, extension assistance enables the prosthesis to be at an angle of about 90° to the ground. The full contact of the prosthesis and stair prevents slipping and reduces the risk of accidents. In the stance phase, flexion damping allows one to descend stairs reciprocally, reducing the impact of landing on the sound leg.

04

Assisted Stand-up



When weight is applied to the prosthetic leg such as during the standing-up motion, the extension assistance is enabled and reduces the burden on the sound leg.

05

Rest Mode



When weight is applied mid-flexion, the prosthetic leg supports the weight dynamically. This mode allows exercising in a squatting posture.