SXK-BLED02

Double Sided LED Arm for Barrier Gate

A double-sided illuminated boom designed for parking barrier gates. An imported polycarbonate body with internal aluminum alloy reinforcement combines a visible lane barrier with LED status indication on both faces.



Red, green and multicolor appearances(option) | Lighting configuration is selected with the order

Maximum length	Lighting faces	LED supply	Standard power supply
5 m	2 opposing faces	12V DC	12V DC / 10A

Product highlights

Visible from both sides. Illuminated faces help drivers approaching from either direction recognize the arm position in low-light parking environments.

Reinforced PC construction. The PC body forms the illuminated enclosure, while the internal aluminum alloy frame supports the arm structure.

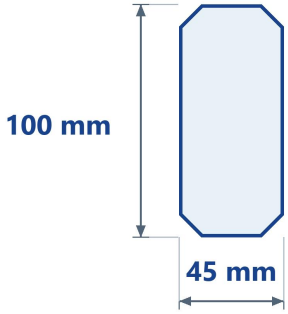
Two profile options. Choose a 100 x 45 mm octagonal arm or an 80 x 50 mm oval arm to match the selected holder and barrier operator.

Integrated status indication. Use the matched board and lighting configuration for red and green barrier states. Choose the lighting configuration to suit the site and controller.

Dimensions and specifications

Choose the required profile and finished length, then confirm the mounting interface and installed load with the selected barrier operator.

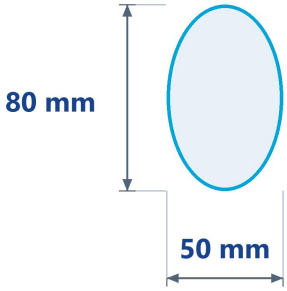
OCTAGONAL PROFILE



Imported PC body

Internal aluminum alloy reinforcement

OVAL PROFILE



Nominal external sections | Profile orientation and corner details are schematic



Parameter	Specification
Model	SXK-BLED02
Product type	Double-sided LED illuminated boom barrier arm
Body material	Imported polycarbonate (PC)
Internal reinforcement	Aluminum alloy structural frame
Octagonal profile	100 x 45 mm nominal external section
Oval profile	80 x 50 mm nominal external section
Maximum arm length	5 m / 5000 mm; specify the required finished length
Illumination arrangement	LED lighting on two opposing faces of the arm
Color configuration	Red / green indication; multicolor configuration as ordered
LED operating supply	12V DC
Standard power adapter	12V DC output, 10A rated capacity
Control connection	Common positive LED supply with separate color-channel returns
Weather protection	Waterproof arm construction; maintain end cap and cable entry seals
Mounting	Matched holder for the selected profile and compatible barrier operator

Dimensions are nominal, in millimetres unless stated. Arm length differs from the clear passage width because the holder and mounting position occupy part of the reach.

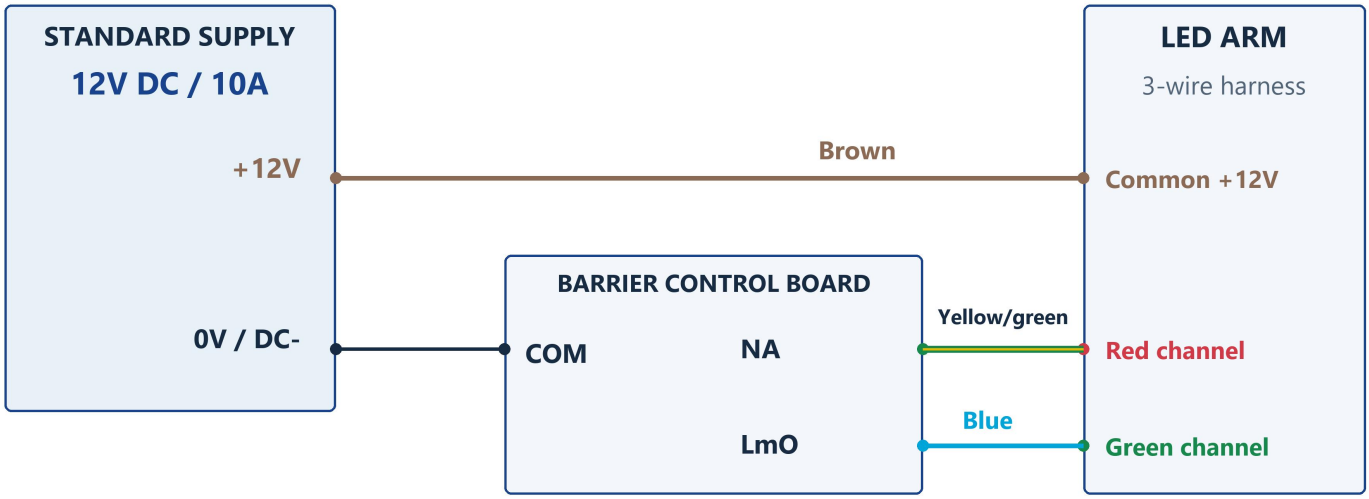
The adapter rating is its output capacity, not the measured power consumption of the arm. Match the adapter input to its nameplate and protect it inside the specified enclosure.

Electrical connection and wire identification

Use the standard 12V DC / 10A supply for the LED arm. The main diagram shows a three-wire red / green connection; match the board terminals and wire colors to the delivered harness.

THREE WIRE CONNECTION

12V common positive with separate red and green channel returns



Functional connections only | Other board power and control wiring follow the operator manual

TERMINAL ORDER ON THE ILLUSTRATED BOARD

+12V	-	NA	LmO	COM	LmC

LED connections use NA, LmO and COM as shown; retain the other existing board connections.

Harness color references

Harness reference	Common +12V	Red channel	Green channel	Blue channel
3-wire shown above	Brown	Yellow/green	Blue	Not fitted
3-wire alternative	Brown	Yellow	Blue	Not fitted
4-wire type 1	Brown	Yellow	Gray	Black
4-wire type 2	Red	Yellow	Green	Black

Identify the harness by function before connection. In the three-wire harness shown above, yellow/green is the red LED channel and blue is the green LED channel. A red-insulated lead is +12V in four-wire type 2.

For the illustrated red / green arrangement, NA connects to the red channel, LmO to the green channel, and COM to the LED supply 0V. The extra blue channel on four-wire versions is not used in this red / green connection; insulate unused leads.

Lighting operation and installation

Coordinate the lighting with the barrier position and access control logic. Verify the indication from both faces after the arm is installed and balanced.





Application example | Red with the arm closed and green with the arm raised

Barrier state	Example indication	Commissioning check
Closing/Opening	Red	Confirm the intended red indication on both faces.
Fully open	Green	Confirm the intended green indication on both faces.

Installation sequence

01 Specify and fit. Select the profile, arm length and lighting configuration. Match the holder, root engagement and fixing pattern to the actual operator.

02 Route and connect. Isolate power before wiring. Route the cable with movement allowance and strain relief, protect it from the shaft and moving linkage, and retain the arm seals.

03 Balance and set limits. Adjust the operator for the full installed arm and accessories. Set the travel limits and verify clearance through the complete sweep.

04 Test the lighting and lane protection. Check red and green indications, both illuminated faces, cable movement, vehicle detection and obstruction response before service.

Selection and care

Specify the required finished length up to 5 m, profile, operator and holder interface, lighting configuration and harness version when ordering. Cut or modify the assembled arm only under the approved product procedure.

Use a PC-compatible non-abrasive cleaner. Inspect caps, cable entries, wiring and the holder regularly. Lighting is a visual indication; vehicle protection depends on the complete barrier system.

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Specifications are subject to change without notice. Please confirm final configuration and certifications with our sales team before ordering.