CR45LUQ Rechargeable HD Motor

High-torque rechargeable radio motor for large roller shades

01 Technical specifications

Battery	Built-in lithium-ion	**Charging port**	Micro-USB, 5 V DC
Rated torque	6 N·m	**Rated speed**	24 rpm
Max charging current	2 A	**Rated power**	38 W
Length L1 / L2	820 / 790 mm	**Minimum shade width**	35-1/2″
Radio frequency	433.92 MHz	**Ingress protection**	IP20: indoor use only
Max limit turns	Unlimited	**Continuous run limit**	Over 6 min
Working temperature	0 °C to 40 °C	**Programming**	P1 button and remote

02 Features

Built in

- ✓ Speed regulation and noise reduction
- ✓ Reversible direction
- ✓ Stall protection
- ✓ Built-in receiver
- ✓ Multiple stop positions
- ✓ Built-in lithium battery
- ✓ Jog mode
- ✓ P1 programming button
- ✓ Battery capacity feedback
- ✓ High torque (6 N·m)

App control

- ✓ Battery check
- ✓ Percentage (position) control
- ✓ Status feedback
- ✓ Timer
- ✓ Radio signal indication
- ✓ Scenes
- ✓ Scan and program

Via the CBM Smart Network Bridge, Bond Bridge or Bond Bridge Pro.

03 Charging

DC10MU micro-USB charger	5 V, 2 A, with 6′ cord
Charging	Through the charging cable on the motor head, which ends in a micro-USB socket

04 Remotes



Handheld
CBT15H 15-channel
CBT01H single channel
CBT05ST 5-channel, timer



Surface mount
CBT15S 15-channel
CBT5MT 5-channel, timer



Wall mount
CBT15W 15-channel



Bond Sidekick
Gen 2 or newer
5-channel
Wall or handheld

05 Applications

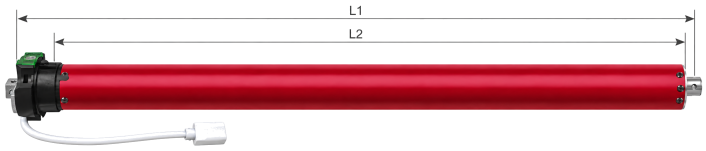


Roller shade

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06 Dimensions and end gaps



L1: 32-5/16″ [820]
L2: 31-1/8″ [790]

Mounting system	Brackets	Motor end	Pin end
4″/5″ fascia	Brackets with covers	15/16″ [24]	5/8″ [16]
	Brackets without covers	13/16″ [21]	1/2″ [13]
S95 cassette	—	1-3/16″ [30]	3/4″ [19]
Square cassette	—	1″ [25]	5/8″ [16]
Open roll	Open roll brackets	15/16″ [24]	3/8″ [10]

Gap per end between the finished width and the fabric. Inches [millimetres]. **Shades wider than 120″:** check with Customer Service. Different brackets are used to carry the weight and reduce telescoping, and the gaps may differ.

07 System capacity

Width across (inches, cm), drop down (inches, cm). Minimum width 35-1/2″, maximum width 144″. Calculated for a 2-1/2″ tube, with a 750 g/m² blackout fabric and bottom rail, at 90% of rated torque. All sizes shown are within capacity.

in \ cm		36 91.4	48 121.9	60 152.4	72 182.9	84 213.4	96 243.8	108 274.3	120 304.8	132 335.3	144 365.8
36	91.4										
42	106.7										
48	121.9										
54	137.2										
60	152.4										
66	167.6										
72	182.9										
78	198.1										
84	213.4										
90	228.6										
96	243.8										
102	259.1										
108	274.3										
114	289.6										
120	304.8										
126	320.0										
132	335.3										
138	350.5										
144	365.8										
150	381.0										
156	396.2										

Within motor capacity Exceeds motor capacity

08 Related documents

- CR45LUQ programming instructions (EN-FR), Rev 1.0
- PDS-NB7006C Smart Network Bridge data sheet
- Roller-shade shop drawings, by mounting system