MOTORIZATION · DATA SHEET

CR28LC Rechargeable Plus Motor

Two-way rechargeable radio motor for roller, Montage™ and Roman shades

01 Technical specifications

Battery	Built-in lithium-ion	**Charging port**	USB-C, 5 V DC
Rated torque	2 N·m	**Rated speed**	28 rpm
Max charging current	2 A	**Charging power**	15 W
Length L1 / L2	650 / 630 mm	**Limit type**	Electronic
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	**Minimum shade width**	29″

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
- ✓ Solar charging
- ✓ Battery capacity feedback

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 and accessories

DC10MC USB-C charger	5 V, 2 A, with 6′ cord
SP1288C solar panel	3 W, USB-C. Keeps the battery topped up (see PDS-SP1288C)
Magnetic charging cord	For USB-C motors
Magnetic pin	Fits the motor's USB-C port for the magnetic cord

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



Montage™ Designer Shade

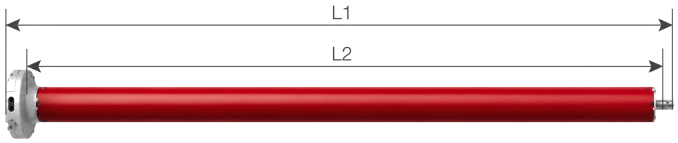


Roman shade

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06 Dimensions and end gaps



L1: 25-9/16″ [650]
L2: 24-13/16″ [630]

Mounting system	Brackets	Motor end	Pin end
3″/4″ square fascia	Brackets with covers	3/4″ [19]	5/8″ [16]
	Brackets without covers	5/8″ [16]	1/2″ [13]
S90 wrap cassette	—	7/8″ [22]	5/8″ [16]
S95 cassette, E90 enclosure	—	1″ [25]	3/4″ [19]
Round cassette C100, square cassette	—	13/16″ [21]	5/8″ [16]
Open roll	Open roll brackets (as chain drive)	3/4″ [19]	3/8″ [10]

Gap per end between the finished width and the fabric. Inches [millimetres].

07 System capacity

Width across (inches, cm), drop down (inches, cm). Minimum width 29″, maximum width 120″. Calculated for a 1-1/2″ tube up to 90″ wide and a 2″ tube wider, with a 750 g/m² blackout fabric and bottom rail, at 90% of rated torque.

in \ cm	30 76.2	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	108 274.3	120 304.8
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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														

Within motor capacity Exceeds motor capacity

08 Related documents

- CR25LC & CR28LC programming instructions (EN-FR), Rev 1.1
- PDS-SP1288C solar panel data sheet
- PDS-NB7006C Smart Network Bridge data sheet
- Roller-shade shop drawings, by mounting system