



# Radiar CF

Smart Flat Curtain Controller



## Product Overview

Radiar CF, Lumos Controls smart curtain kit, includes a smart motor, track, app, remote and mounting accessories to control flat curtains. The curtain system comes with 3 different powering options such as 100–240VAC via splay cable, 5VDC via Type-C USB connector and by solar panel. With built-in Lithium battery, the system can still run about 15days during the power failure. BLE5.0 based smart curtain system can be easily commissioned, configure the limits and automated using Lumos Controls intuitive mobile application. The device which has 3 levels of running speed, which are quiet, normal and high speed, also comes with electronic limit switch, realizing the auto limit setting and obstacle detection function.

## Specifications

### Electrical

Specifications	Value
Input voltage	100–240VAC, 50/60Hz
Nominal consumption	22W
Nominal current	0.1A

### Mechanical

Specifications	Value
Weight	5kgs (11 lbs)
Motor dimension	206 x 61 x 61mm (8.1 x 2.4 x 2.4 in)

### Bluetooth

Specifications	Value
Radio frequency	2.4GHz

## Features

- BLE5.0+ based strong wireless communication
- Controls flat curtain
- Flexible powering options such as 100–240VAC, 5VDC, or solar panel
- Built-in lithium battery offers motor control during power failure
- Quick commissioning, configuration, and automation using Lumos Controls mobile application
- 3 levels of running speed: quiet, normal, high speed
- Options to configure the curtain limits
- Obstacle detection and manual pulling function
- Supports Over-the-Air firmware updates
- Length free splicing made of high-quality aluminum alloy
- Easy to assemble track without any additional tools
- Rotatable pulley arm

### Motor

Specifications	Value
Loading capacity	50kgs (110 lbs.)
Working speed	12–36cm/s

### Environmental

Specifications	Value
Working temperature	–20 to 55°C
Working humidity	0–95%RH, non-condensing
Insulation class	Class A
Protection index	IP20

## System Component



Smart curtain motor which can be controlled wirelessly using Lumos Controls application.



High quality aluminum alloy track, has thickness up to 2.2mm, load bearing up to 50kg



Swivel end hook with 360-degree rotation, accurate size, adjustment 0-5cm



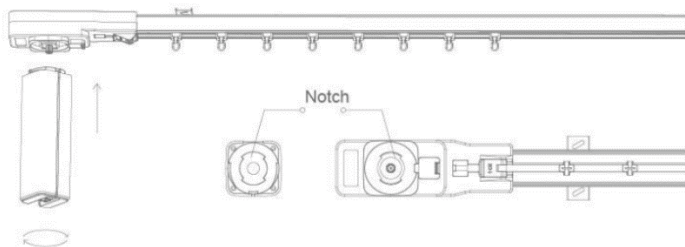
Specially designed rotatable pulley arm makes the manual tarning soft and smooth



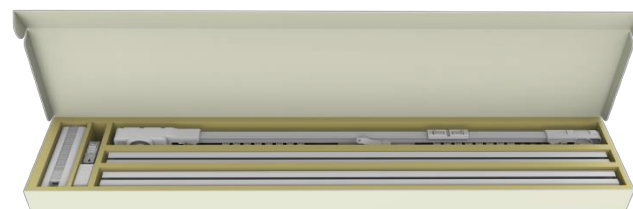
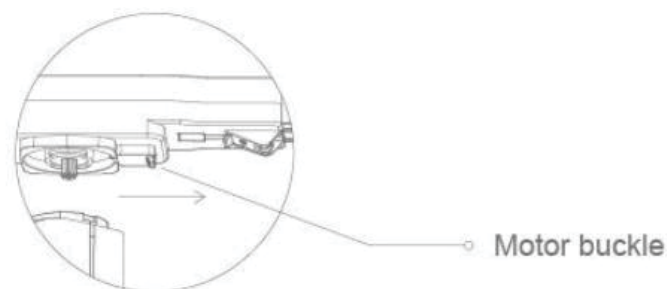
Track buckle which is easy to fasten, get seamless track connection

## Product Installation

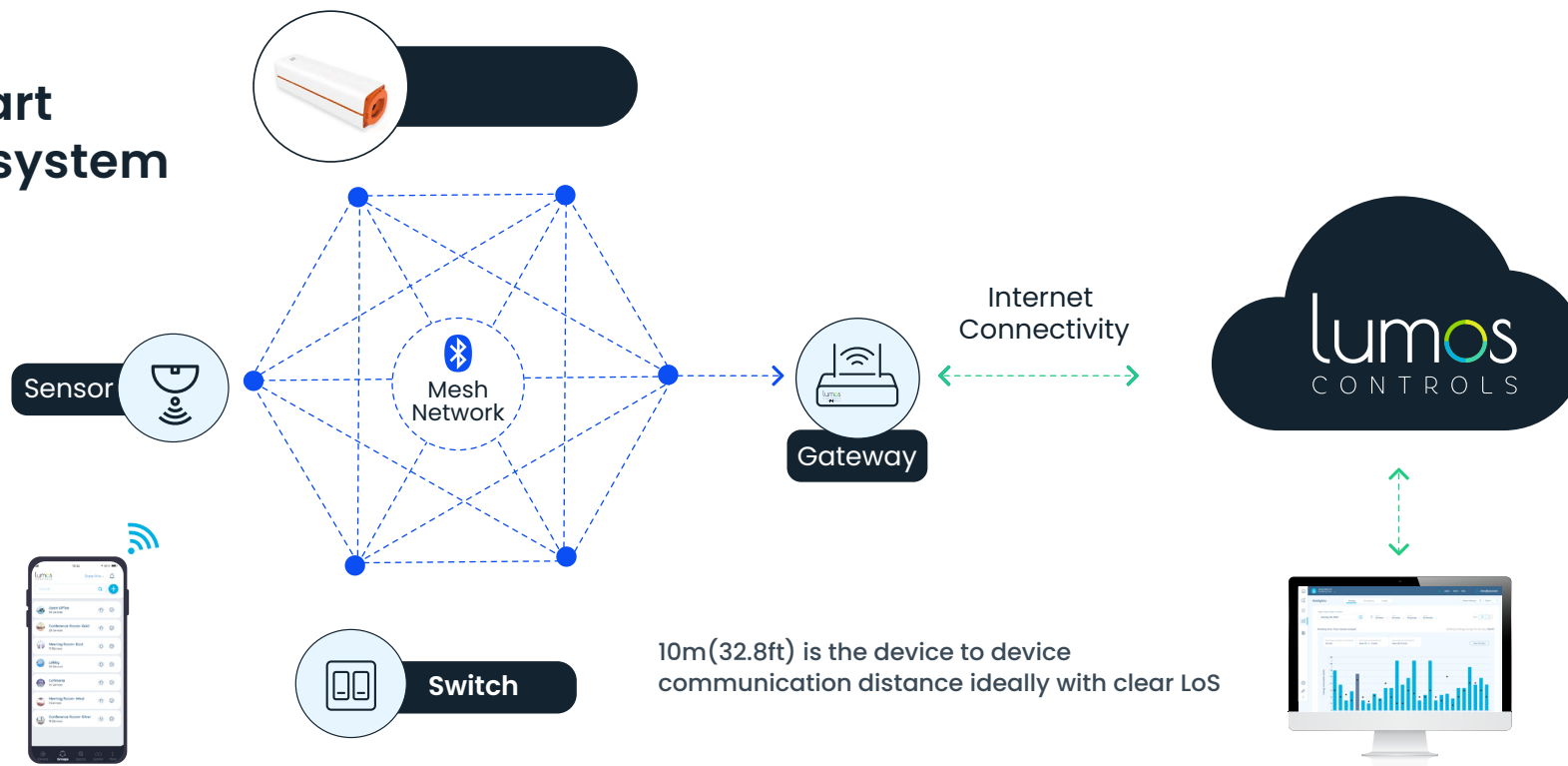
- 1 To install the curtain motor to the track, push the motor head to the notch of the main drive case, then turn the motor 90°in left direction.



- 2 To take off the curtain motor from the track, pull the motor buckle away, then turn the motor 90°in right direction.case, then turn the motor 90°in left direction.



## Smart Ecosystem



## Ordering Information

Model	Curtain Length	Weight(Kg)
LCC 10 B-2	1-2mt	50
LCC 10 B-3	2-3mt	50
LCC 10 B-4	3-4mt	50
LCC 10 B-5	4-5mt	50

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20321 Lake Forest Dr D6,  
Lake Forest, CA 92630

[www.lumoscontrols.com](http://www.lumoscontrols.com)  
+1 949-397-9330