



Lightcloud Blue is the easiest and most cost-effective way to add network lighting controls to a site. The system utilizes Bluetooth® Mesh, eliminating the need for a Gateway or Hub. Simply connect a Controller to a compatible fixture and pair to the Lightcloud Blue mobile app to enjoy wireless control.



<b>Catalog Number</b>	LCBLUECONTROL/[W/B]	LCBC-X/[W/B]	LCBAUX/[W/B]	LCBAUX-X/[W/B]	PIR[20/40][B]/LCB; MVS[20/50][B]/LCB	XDIM/LCB[S]	XDIM/BRIDGE/LCB	XDIM/D10/LCB
<b>Family Name</b>	Line Voltage Controller	Line Voltage Controller	Low Voltage (12V) Controller	Low Voltage (12V) Controller	Low Voltage Controller+Sensor	XDIM Phase Dimmer	XDIM Bridge	XDIM 0-10V Dimmer
<b>Voltage</b>	120-277V	120-277V	10.5-36V	10.5-36V	12V	120V	120-277V	120-277V
<b>Load Rating</b>	LED/Fluorescent/ Incandescent 120V: 400W 277V: 400W	LED: 8A @ 120/277V  Fluorescent/ Incandescent: 16A @ 120V; 8A @ 277V	n/a	n/a	n/a	LED/Fluorescent/ Incandescent 120V: 400W 277V: 400W	LED/Fluorescent/ Incandescent 120V: 400W 277V: 400W	10A @ 120V 5A @ 277V
<b>IP Rating</b>	IP20 (white) IP66 (black)	IP66 Indoor/Outdoor	IP66 Indoor/Outdoor	IP66 Indoor/Outdoor	IP66 Indoor/Outdoor	Indoor	Indoor	Indoor
<b>Installation</b>	Hardwired, mounts to 1/2" knockout	Hardwired, mounts to 1/2" knockout	Hardwired, mounts to 1/2" knockout	Hardwired, mounts to 1/2" knockout	Screw-in	Hardwired	Hardwired	Hardwired
<b>Compatibility Requirements</b>	0-10V driver; 1/2" knockout	0-10V driver or dimming circuit; 1/2" knockout	0-10V dim-to-off 12VDC driver; 1/2" knockout	0-10V dim-to-off 12VDC driver; 1/2" knockout	0-10V dim-to-off 12VDC driver; 1/2" knockout for RAAS[B]	Phase cut dimming circuit	Phase cut dimming circuit	0-10V dimming circuit
<b>Indoor Range</b>	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight	60 ft obstructions, 200 ft clear line of sight
<b>Outdoor Range</b>	18 ft around corners, 60 ft clear line of sight	120 ft around corners, 200 ft* clear line of sight	18 ft around corners, 60 ft clear line of sight	120 ft around corners, 200 ft* clear line of sight	18 ft around corners, 60 ft clear line of sight	n/a	n/a	n/a

\*Range may extend up to 300 feet under optimal conditions with clear line of sight. Actual range varies based on environmental factors including buildings, landscaping, and other obstructions.



Lightcloud Enterprise is a more robust platform offering premium control features. It uses a Gateway or Hub connecting to a cellular network which communicates with all devices via the mesh network, no internet connection required. Simply connect a Controller to a compatible fixture or circuit, contact RAB to assist with remote commissioning and you can enjoy wireless control from anywhere using your phone, tablet or PC.



<b>Catalog Number(s)</b>	LCCONTROL20/D10 LCCONTROL20/D10/W	LCCONTROL/480/B LCCONTROL/480/W	LCCONTROL/MINI/K LCCONTROL/MINI/W	LCLC/K LCLC/W	LCDIMMER/PD/W/BLANK LCDIMMER/PD/W	LCTWIST/K	LCSENSE/W LCSENSE/B	LCSENSE/HB/W
<b>Controller Type</b>	Controller	High-Voltage Controller	Controller Mini	Luminaire Controller	Phase Controller	Twist	Sensors	Sensors
<b>Voltage</b>	120-277V	120-480V	120-277V	120-227V	120V	12V0-227V	120-277V	120-277V
<b>Maximum Load Capacity</b>	Electronic Ballast, Magnetic, or LED: 20A Magnetic/Resistive @277VAC  5A Tungsten/Electronic, 20A FLA/60 LRA, 2HP @240VAC  15A Tungsten/Electronic, 1HP @120VAC	LED, Magnetic: 2A @347VAC 2A @480VAC	Electronic Ballast (CFL, LED Driver): 4.2A (500W) @120VAC 1.81A (500W) @277VAC  Tungsten: 4.24A (500W) @120VAC 1.81A (500W) @277VAC  Standard Ballast (Magnetic): 2.2A (264VA) @120VAC 1.8A (500VA) @277VAC  Resistive or Inductive: 4.2A (500W) @120VAC  0-10V SELV: Limited Energy (Class 2) 0-10V Dim output	LED, CFL, Tungsten: 500W @ 120/277VAC  Magnetic: 264W @120VAC 500VA @277VAC  Resistive/Inductive: 500W @120VAC	450W LED (reverse phase) 450W Incandescent (reverse phase)  450W Magnetic Low Voltage (symmetric forward phase)  450W Electronic Low Voltage (reverse phase)  450W Dimmable CFL (reverse phase)  <i>Note: Not recommended for non-dimmable loads</i>	Electronic Ballast: 5A @120VAC 5A @277VAC  Dimming Circuit: 50mA @10VDC	Incandescent: 13A @220VAC  Standard Ballast: 6A/4A @120/277VAC  Electronic Ballast: 12A @277VAC	Incandescent: 13A @220VAC  Standard Ballast: 6A/4A @120/277VAC  Electronic Ballast: 12A @277VAC
<b>IP Rating</b>	IP66 Indoor/Outdoor	IP66 Indoor/Outdoor	IP66 Indoor/Outdoor	IP65 Indoor/Outdoor <i>(actuator is Indoor only)</i>	N/A Indoor	IP65 Indoor/Outdoor	IP65 Indoor/Outdoor	IP65 Indoor/Outdoor
<b>Installation</b>	Hardwired, mounts to 1/2" knock-out on junction box, lighting panel or fixture.	Hardwired, mounts to 1/2" knock-out on junction box, lighting panel or fixture.	Hardwired, mounts to 1/2" knockout on fixture.	Hardwired, mounts to 1/2" knock-out on junction box, lighting panel or fixture.	Hardwired, installed in wall box	Twist lock into ANSI C136.10/C136.41 Receptacle	Hardwired, ceiling/surface mounted @ 8 ft to 12 ft	Hardwired, ceiling/surface mounted @ 25 ft to 45 ft
<b>Compatibility Requirements</b>	• 0-10V driver • 1/2" knockout	• 0-10V driver • 1/2" knockout	• 0-10V driver • 1/2" knockout	Screw-in	• MLV LED (reverse phase) • ELV dimmable driver • Junction box	• 0-10V driver for dimming • Fixtures w/ANSI C136.10/C136.41 Receptacle	• 0-10V driver for dimming • Junction box or LCSENSE/ACC/AH/W	• 0-10V driver for dimming • Junction box or LCSENSE/ACC/AH/W