



CHARGING OBSOLESCENCE PROBLEM SOLVED!

- (LUX) Bi-Color LED Lamp + USB X-over

Line Serviceable, Upgradeable

Charging Console for...



The **LUX** and **UCB** are ruggedized utility lamp/USB console accessories designed for commercial, industrial, and military environments. A small footprint enables the **LUX** and **UCB** to be mounted on vertical or horizontal surfaces on a variety of vehicle or fixed console locations. Additional acceptance testing can be expanded to any customer requirement.



Fast Swap and Upgradeable Interface

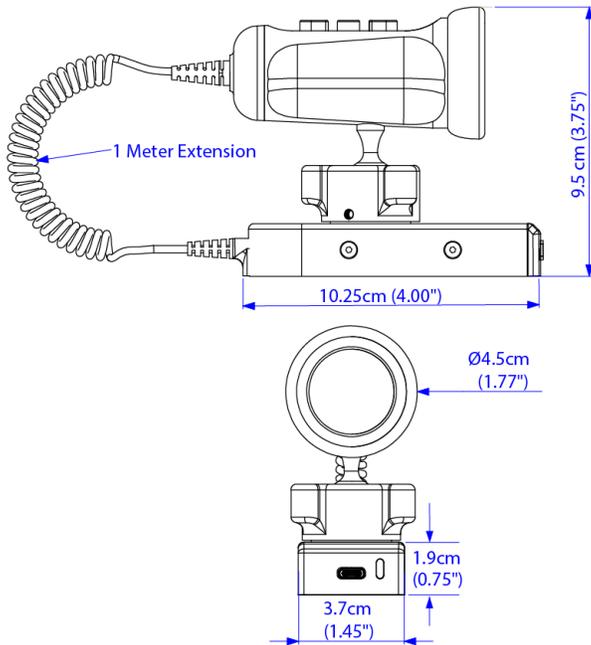
The **LUX/UCB** charging module can be changed for upgrade or repair in seconds. Active over-current fault protection safeguards the electrical bus and the tablet components. The removable USB power modules can be upgraded to any future interface.



LUX Lamp Options and Highlights

The **LUX** lamp has a bi-colored 80,000 hour LED array with optional NVIS compliance or custom optic specifications. Three tactile buttons select the color, intensity, and power on-off using single hand control. The lamp assembly secures into a 360° universal spring-lock docking socket.

Specifications:



Power Input:	28VAC/400Hz or 12-80VDC
Power Consumption:	Less than 1 AMP @ 28V AC/DC
USB interface:	Waterproof USB-C (15 Watts)
Alternate interface:	DIN Connectors (up to 45 Watts)
Housing Material:	6061-T6 Alum. anodized or powder-coated
Weight LUX:	300 – 350 grams (depending on options)
Weight UCB:	100 – 150 grams
Dimensions LUX:	10.25cm x 9.5cm x 3.7cm (3.75\"H x 4.0\"L x 1.45\"W)
Dimensions UCB:	10.25cm x 1.9cm x 3.7cm (0.75\"H x 4.0\"L x 1.45\"W)
ON/OFF Control:	Lamp and USB power ON/OFF switch
LED Colors:	4 LED's Array, 2 colors per array of white / red or green-cyan NVIS Class A, B, C
LED Intensity:	0-20 Lumens Max. per LED or custom specification.

Testing:

RTCA DO-160 ENVIRONMENTAL TESTING		
Section #	Description	Category
4.6.1	Altitude	A1
4.6.2	Decompression	A1
4.6.3	Overpressure	A1
5	Temperature Variation	C
6	Humidity	A
7.2	Operational Shock	B
7.3	Crash Safety Impulse	B
7.3	Crash Safety Sustained (Acceleration)	B
8	Vibration	R
10	Waterproofness	W
11	Fluid Susceptibility	F
RTCA DO-160 EMI/EMC TESTING		
Section #	Description	Category
15	Magnetic Effect	Z
16	Power Input	A (WF)
17	Voltage Spike	B
18	Audio Frequency Conducted Susceptibility	R (WF)
20.4	Conducted RF Susceptibility	T
20.5	Radiated RF Susceptibility	T
21.4	Conducted RF Emissions	M
21.5	Radiated RF Emissions	M
25	Electrostatic Discharge	A
FLAME TESTING		
14 CFR Part 25.853(a)	Amendment 25-116 Appendix F Part I (a)(1)(ii) Amendment 25-142.	

Manufacturing: Made in USA by an AS9100 certified manufacturer.