



**IP20 Ballast**



**IP65 Ballast**

## **CELtronic Dual Action Ballast – IP20 and IP65 For HID, SON and Cosmo Lamps**

### **Energy-efficiency**

The use of efficient electronic ballasts can save up to 50% of power consumption per luminaire in comparison with magnetic ballasts\*. First generation electronic ballasts are largely being upgraded to next generation more efficient electronic ballast to achieve similar savings.

### **Unique 10-level Dimming Capability**

CELtronic Ballasts have an impressive 10 dimming level capacity (including off for part night switch off) maximising your planning savings capability with no requirement for part night PECU.

### **DALI Built- In**

Easily upgraded to DALI, gives you the option to connect to any CMS system straightaway or whenever you may need to in the future. The in-built DALI in CELtronic ballasts ensure your system is relevant and future-proof.

### **Technical:**

- Operates the lamp at a Low Frequency Square Wave (81Hz)
- Nominal Input Voltage: 198-264V 0/50/60Hz
- Exceptional low inrush current
- Constant Power Consumption
- PF>0.98
- THD-A <6%
- Class B – Voltage dips & Interruptions (IEC61000 4-11)
- Improved Lamp RUN-UP process (Ignition voltage - 4.5Kv pulses)
- SPR < 1.5% according to IEC 61167
- Max line load cap. 250pF – 2.5 Meter x/ I-AMP ≤ 25 meters)
- Stable lamp power output

# CELtronic Dual Action Ballast – IP20 and IP65 For HID, SON and Cosmo Luminaires

Electronic Street Lighting Ballast with up to 10 dimming steps (including off) built in

Dimensions (mm):

	IP20			IP65*		
	L	W	H	L	W	H
50W	146	89	44	189	101	49
70W	146	89	44	189	101	49
100W	187	89	45	224	101	49
150W	187	89	45	224	101	49
250W	184	87	59	224	103	66
60W Cosmo	146	89	44	N/A	N/A	N/A
90W Cosmo	187	89	45	N/A	N/A	N/A
140W Cosmo	187	89	45	N/A	N/A	N/A

\* Ignition Amplifier available for start up greater than 1.5 metres from lamp

## UMSUG CODES

Product	% Dimmed	% of Power	UMSUG Code
CELtronic 50W	50%	58%	50 0050 0002 058
	75%	77%	50 0050 0002 077
	0%	100% (full power)	50 0050 0002 100
CELtronic 70W	50%	57%	50 0070 0004 057
	75%	78%	50 0070 0004 078
	0%	100% (full power)	50 0070 0004 100
CELtronic 100W	50%	55%	50 0100 0003 055
	75%	77%	50 0100 0003 077
	0%	100% (full power)	50 0100 0003 100
CELtronic 150W	50%	56%	50 0150 0008 056
	75%	78%	50 0150 0008 078
	0%	100% (full power)	50 0150 0008 100
CELtronic 250W	50%	56%	50 0250 0001 056
	75%	78%	50 0250 0001 078
	0%	100% (full power)	50 0150 0001 100
CELtronic 400W	50%	48%	14 0400 3000 048
	75%	72%	14 0400 3000 072
	0%	100% (full power)	14 0400 3000 100

*Note: For alternative dimming regime required please contact Charles Endirect.*

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