



G. S. I. Inc.
 Godfrey International Systems, Inc.
 351 Pine Street
 Clearwater, FL. 33763-0914
 U. S. A.
 Tele: (727) 799-4916, Fax: (727) 724-0212
 Email: gsiinc@knology.net



COREL SPECIFICATION
(Combined Omni-directional Runway Edge Light)
LED Version

Dimensions (Approx)	
Height (excluding antenna)	270mm
Width	195mm
Length	198mm
Maximum Gross Weight	
7.2 Kg	
Nominal Light Intensity (clear lens)	White 25 cd
	Red 10 cd
	Blue 4 cd
	Green 10 cd
	Yellow 10 cd
Electrical Details	
Control Options	Manual Steady/Flashing Three Intensity (one of these settings can be flashing) Photocell Control (Dawn till Dusk)
Colour Options	White Blue Red Yellow Green Red/Green White/Yellow
Power Supply	2 x 12V maintenance free Sealed Lead Acid Batteries (SLAB) (Incorporated within the COREL).
Typical battery endurance (Batteries as new, @ 20°C)	White 35 hours
	Red >100 hours
	Blue >100 hours
	Green >100 hours
	Yellow >100 hours
	Red/Green ≥50 hours
	White/Yellow >25 hours
LED	Red, Green, Blue and Yellow 1 w high O/P White 3 w
Protection	Reverse Polarity, over current and Low Voltage Cut-off ('LVC' – to prevent over discharge of batteries).



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Charge Regulator (Built-in to COREL)	Input – 24V dc (Built-in to COREL) Output – 14.1V / 13.0V, 2.3 Amp.
Indications	Dual Function Tri-colour LED, showing either charge status or battery level. When Operating Indications Are: GREEN More than 70% ORANGE 40% - 70% RED Less than 40% FLASHING RED Less than 1 hour left When Charging Indication Are: ORANGE 0% - 70% GREEN 70% - 90% FLASHING GREEN 90% - 100%
Additional Features:	
COREL Body	Injection moulded colour impregnated, high strength polycarbonate material. All fittings are fully corrosion protected. The upper section contains a sealed electronics enclosure. The unit is fully weather protected and can be used in extremes of temperature.
Lens	Borosilicate clear glass lens and emits through 360°, with waterproof seal.
Lens Scatter	Omni-directional.
Carrying Handle	Non Reflective, Black Painted Metal.
Semi Permanent Fixings	CORELs are usually supplied with rubber pads on the underside, suiting deployment onto any ground surface. For semi-permanent installations aluminium mounting base plates, which are secured to the ground, can be supplied. CORELs with 'Velcro' type pads mate with a similar pad on the base plates allowing deployment to pre-positioned points for semi-permanent and emergency lighting configuration where extreme jet blast conditions might exist.