

## LAMPS

### EMERALD LED LAMPS



	Cool White
<b>Comparable to (Halogen):</b>	35W
<b>Dimmable:</b>	No
<b>Light output L<sub>100</sub> (lm):</b>	300
<b>Beam Angle (Deg):</b>	38
<b>Illuminance (lx):</b>	475
<b>CCT L<sub>100</sub> (K):</b>	4,000
<b>CRI L<sub>100</sub> (Ra):</b>	>80
<b>Power Consumption (W):</b>	3.7
<b>Efficacy (lm/cctW):</b>	81
<b>Power Factor:</b>	>0.75
<b>Av. LED Life L<sub>70</sub> F<sub>10</sub> (hrs):</b>	30,000
<b>Ingress protection (IP):</b>	20
<b>Guarantee (yrs):</b>	2
<b>Length (mm):</b>	55
<b>Diameter (mm):</b>	50
<b>Box Qty:</b>	10
<b>Weight (Kg):</b>	0.06

This high performance range of LED lamps utilises **COB** technology to provide energy efficient and long life solutions to replace inefficient short life Halogen lamps. **What is COB?**

Small LED's are more efficient at converting input power to visible light so a number of small LED's bonded together will provide more light, produce less heat, be easier to thermally manage and inevitably have a longer life with less performance depreciation than a single larger LED of the same input power. This latest LED technology is called Chip On Board (**COB**).

**ALL lamps in the range comply with the current and April 2014 Part L1 & L2 Building Regulation requirements**

With ever rising cost of electricity these lamps provide massive savings for your home or business and often provide paybacks in months. This fantastic range is suitable for installations such as:

- Shop Window Displays
- Bars & Restaurants
- Hotel Function Rooms & Receptions
- Dining room, kitchen, bedrooms in the home
- Commercial office buildings
- Track fittings
- Retail showrooms

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Lamp housing made from (PBT) Polybutylene Teraphthalate with exceptional heat conduction properties to ensure that the heat generated within the chip is conducted away for long life</li> </ul>	<ul style="list-style-type: none"> <li>30,000 hours average lamp life</li> <li>No inconvenient lamp changes required</li> <li>Over 15 times longer lamp life than Halogen</li> <li>Fit and forget with no maintenance costs throughout life</li> </ul>
<ul style="list-style-type: none"> <li>New high quality, high brightness Chip on Board LED's (COB) with ultra low power consumption reduced to between 3.5 &amp; 8 watts</li> </ul>	<ul style="list-style-type: none"> <li>Provides light output ranging from 275lm to 625lm comparable to 35W and 50W mains voltage Halogen with the 8W providing even greater light output</li> <li>Reduces energy consumption by a massive 85% - 91%</li> <li>Easily complies with efficacy requirements of all Building Regulations</li> </ul>
<ul style="list-style-type: none"> <li>R35 lamps consume less than 5W</li> </ul>	<ul style="list-style-type: none"> <li>Comply with Part L1 2014 as <b>&lt;5W total power consumption</b></li> <li>Comply with Part L1 2014 as <b>&gt;400lm &amp; &gt;45 lamp lm/cctW</b></li> <li>All lamps comply with Part L2 2014 as <b>&gt;60 lamp lm/cctW</b></li> </ul>
<ul style="list-style-type: none"> <li>No Infra-red or UV content</li> </ul>	<ul style="list-style-type: none"> <li>Cool light beam</li> <li>Will not damage heat sensitive objects</li> <li>No fading of garments</li> <li>No burning if touched</li> <li>Safe light source</li> </ul>
<ul style="list-style-type: none"> <li>Choice of warm or cool white light colour</li> </ul>	<ul style="list-style-type: none"> <li>Warm and subtle light output for relaxing in the home environment or cooler light colour for task or work oriented situations</li> </ul>
<ul style="list-style-type: none"> <li>Contains no mercury or other heavy metals</li> </ul>	<ul style="list-style-type: none"> <li>Environmentally friendly</li> <li>No special disposal costs</li> </ul>
<ul style="list-style-type: none"> <li>Rugged with no filament to break</li> </ul>	<ul style="list-style-type: none"> <li>Less susceptible to vibration damage</li> <li>Fewer costly premature failures</li> </ul>
<ul style="list-style-type: none"> <li>The full range of lamps have the same footprint as traditional halogen</li> </ul>	<ul style="list-style-type: none"> <li>Will fit most open back and fire rated downlights</li> </ul>
<ul style="list-style-type: none"> <li>Guaranteed for 2 years</li> </ul>	<ul style="list-style-type: none"> <li>A reliable long - life product</li> </ul>

PLEASE NOTE - INFORMATION CONTAINED IN THIS DOCUMENT MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE