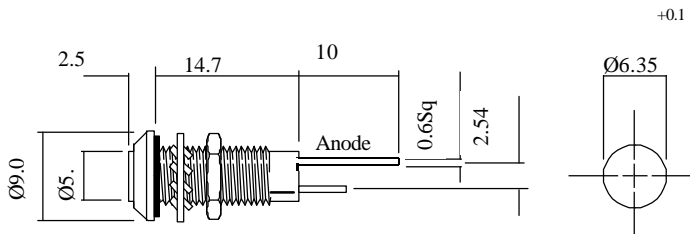


***Making Light Work For You!***

<b>High Performance LED Metal Panel Lamp</b>		<b>Ø 6.35mm Mounting</b>																
 <p>Dimensions in mm (typical) Not to scale</p>		<ul style="list-style-type: none"><li>Five colour options</li><li>High intensity, sunlight readable</li><li>Sealed to IP67</li><li>Flying lead options available</li></ul>																
<b>611 and 612 Series</b>																		
<p>Mean Time Between Failure 90,000 Hours</p> <p style="text-align: center;"><b>Order Code :    612 – 301 – 22</b></p>		<p>Operating Temperature Range – 40 to + 80 °C</p> <p>Storage Temperature Range –50 to +100°C</p>																
<b>Series Options :</b>  <b>611</b> – Coloured Diffused Lens  <b>612</b> – Smoked Lens	<b>LED Options :</b> <b>Code – LED Colour / Intensity @ 20 mA</b>  <table style="width: 100%; border: none;"><tr><td><b>301</b> – Red 660nm</td><td>360-500 mcd</td></tr><tr><td><b>325</b> – Yellow 590nm</td><td>850 mcd</td></tr><tr><td><b>324</b> – Green 525nm</td><td>3400 mcd</td></tr><tr><td><b>934</b> – Blue 470nm</td><td>2000 mcd</td></tr><tr><td><b>998</b> – White *</td><td>900 mcd</td></tr></table> <p>Intensity figures apply to discrete LED (non flat-topped) Package power dissipation (max) 500mW</p>	<b>301</b> – Red 660nm	360-500 mcd	<b>325</b> – Yellow 590nm	850 mcd	<b>324</b> – Green 525nm	3400 mcd	<b>934</b> – Blue 470nm	2000 mcd	<b>998</b> – White *	900 mcd	<b>Voltage Options :</b> <b>Code – Voltage / Current</b>  <table style="width: 100%; border: none;"><tr><td><b>04</b> – 20mA</td></tr><tr><td><b>20</b> – 5/6 Vdc</td></tr><tr><td><b>21</b> – 12 Vdc</td></tr><tr><td><b>22</b> – 24 Vdc</td></tr><tr><td><b>23</b> – 28 Vdc</td></tr><tr><td><b>24</b> – 48 Vdc</td></tr></table> <p><small>* Typical emission colour: x=0.31, y=0.32 Colour temperature 8000K Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch</small></p>	<b>04</b> – 20mA	<b>20</b> – 5/6 Vdc	<b>21</b> – 12 Vdc	<b>22</b> – 24 Vdc	<b>23</b> – 28 Vdc	<b>24</b> – 48 Vdc
<b>301</b> – Red 660nm	360-500 mcd																	
<b>325</b> – Yellow 590nm	850 mcd																	
<b>324</b> – Green 525nm	3400 mcd																	
<b>934</b> – Blue 470nm	2000 mcd																	
<b>998</b> – White *	900 mcd																	
<b>04</b> – 20mA																		
<b>20</b> – 5/6 Vdc																		
<b>21</b> – 12 Vdc																		
<b>22</b> – 24 Vdc																		
<b>23</b> – 28 Vdc																		
<b>24</b> – 48 Vdc																		
<table style="width: 100%; border: none;"><tr><td style="width: 50%; vertical-align: top;">LED Housing: Black Anodised Aluminium LED: Epoxy Lens: Polycarbonate Lock nut: Brass (Nickel plated) Lock washer: Zinc Plated Steel Panel Seal: Fluoroelastomer</td><td style="width: 50%; vertical-align: top;">Minimum Mounting Centres: X,Y = 11.0mm Mounting Torque: 0.6Nm Min/Max Mounting Thickness: 1.5 to 7.0mm IP Rating 67</td></tr></table>			LED Housing: Black Anodised Aluminium LED: Epoxy Lens: Polycarbonate Lock nut: Brass (Nickel plated) Lock washer: Zinc Plated Steel Panel Seal: Fluoroelastomer	Minimum Mounting Centres: X,Y = 11.0mm Mounting Torque: 0.6Nm Min/Max Mounting Thickness: 1.5 to 7.0mm IP Rating 67														
LED Housing: Black Anodised Aluminium LED: Epoxy Lens: Polycarbonate Lock nut: Brass (Nickel plated) Lock washer: Zinc Plated Steel Panel Seal: Fluoroelastomer	Minimum Mounting Centres: X,Y = 11.0mm Mounting Torque: 0.6Nm Min/Max Mounting Thickness: 1.5 to 7.0mm IP Rating 67																	
<b>Marl International Limited Ulverston, Cumbria. LA12 7RY England</b> <b>Tel : + 44 (0) 1229 582430 Fax : + 44 (0) 1229 585155</b> <b>E-mail : marl@compuserve.com Website : www.marl.co.uk</b>																		
<b>The company's services are recognised to the Internationally recognised quality standard BS EN ISO9001 : 1994</b>																		

The information above does not constitute part of any order or contract and should not be regarded as a representation relating to either products or service. No responsibility can be assumed for inaccuracies or printing errors. Marl International Ltd. reserve the right to alter without notice the specification or any condition of supply for products or service.