

TECH.SPECIFICATION OF RAY DYNAMICS MAKE LED LANDING-T INDICATOR LIGHT FIXTURE

**Physical Charecteristics**

<b>Make</b>	<b>RAY DYNAMICS</b>
<b>Body Material</b>	<b>Aluminium LM-6 Grade with powder coated</b>
<b>Body Colour</b>	<b>Aviation Red/Yellow powder coated</b>
<b>Lens Material</b>	<b>Polycarbonate U.V stabilized optical grade suitable for outdoor/sunlight exposure.</b>
<b>PCB's</b>	<b>Glass epoxy FR-4 grade with UVLO-94 tested at source</b>
<b>Bird Spike</b>	<b>Integrated with main lens to avoid bird menace</b>
<b>Ingress protection degree</b>	<b>IP- 66 ( total dust and water proof in accordance with IS:4691-195,IEC Pub 947-1(1983)</b>
<b>Product weight and shipping weight</b>	<b>1Kg / 1.3kg</b>
<b>Mounting</b>	<b>3/4" Self threaded hub at the bottom</b>

**Optical & Electrical Charecteristics**

<b>Light Engine</b>	<b>High intensity UV stabilized outdoor application LEDs</b>
<b>Light output</b>	<b>WHITE or YELLOWcolor with CIE(Commission Internationale de L'Eclairage) Chromaticity chart standards &amp; required wave length</b>
<b>Product compliance</b>	<b>As per ICAO Aerodrome standards-aerodrome design &amp; operators manual page -61&amp;62 5.1.2.2 &amp; 5.1.2.3</b>
<b>Gaskets</b>	<b>EPDM gasket treated for all weather, anti cracking and ozone resistant</b>
<b>Hardwares</b>	<b>Stainless steel</b>
<b>Lamp life</b>	<b>1,00,000 burning hours</b>
<b>Power Supply Management</b>	<b>iPED** technology</b>
<b>Input Voltage Range AC</b>	<b>90 - 260V AC, 50/60Hz</b>
<b>Wattage</b>	<b>10 Watts Max at rated voltage</b>
<b>Circuit protection AC</b>	<b>Short circuit / Surge / EMI Class-II filter / Meets Blue Angel requirement in sleep mode</b>
<b>Connectivity internal</b>	<b>Wireless modular LED Light Engine module construction to comply vibration proof system</b>
<b>Mains Terminal Connection</b>	<b>Self contained IP66 Terminal box with solid 5A/300V connector with polyamide cable Gland and terminal cover arrangement suitable upto 2.5sq.mm copper cable</b>

Test (mech tests)	SITARC NABL Accredited Lab Test Report No. Z - 2895
Redundancy	Four circuit series parallel redundant
Operating temperature range	-10deg to +55deg Ref:IS 9000 part3/sec5)
Insulation resistance at 500V DC	500X10 <sup>3</sup> Meg.Ohms
Di-Electric strength withstand	1KV for 1 minute
Salt Mist test	8hrs Ref:IS 9000 Part xi)1983
Patents and tradeMarks	Design Patent applied and <i>RAY DYNAMICS</i> is registered Trade Mark
Model / CAT No (white / yellow)	LTL-HPL-W-UI / LTL-Y-UI
<b>OPTIONAL</b>	
Solar based	Please contact us
** iPED - intelligent Power Enhanced Driver(Dedicated SMPS) - ensures constant voltage and current to LED light engine which enhances the life of LEDs.	
Note: Above specifications & design are subject to change without prior notice due to continuous technical progress and product upgradation	
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