



## LED Bird Flight Diverter

A bird flight diverter light is installed on power transmission lines to alert birds, reducing collisions by making the lines more visible, especially in low-light or foggy conditions or night.

Model No.	<ul style="list-style-type: none"> <li>IPL-01-BFD-SF</li> </ul>
Solar Powered LED Type Diverter	<ul style="list-style-type: none"> <li>Adequate intensity for visibility from over 300m in night with at least 100 hours of backup in flashing mode per from full charge battery.</li> </ul>
Automatic power cut off circuit	<ul style="list-style-type: none"> <li>An automatic power cut-off extends battery life by stopping flashing in daylight &amp; activating in low light conditions.</li> </ul>
Position of Solar cell	<ul style="list-style-type: none"> <li>The solar cell is positioned to receive sunlight regardless of the diverter's direction.</li> </ul>
Warning Disc	<ul style="list-style-type: none"> <li>Round Dia.-230mm   Thickness - 5 mm</li> </ul>
Total Height & Weight	<ul style="list-style-type: none"> <li>Height - 410 mm   Weight - 430 gms +/- 10 gm</li> </ul>
Clamp Type snap Model	<ul style="list-style-type: none"> <li>Clamp is Spring Loaded type suitable for strongly gripping all types of Conductors (ASCR &amp; Others) and other wire of diameters 8mm to 70mm</li> </ul>
Hardware Material	<ul style="list-style-type: none"> <li>The warning disc and clamp are made of impact-resistant, UV-stabilized engineering plastic. All exposed suspension hardware is made of corrosion-free stainless steel, resistant to salt spray, and adverse weather condition.</li> </ul>
Motion / Movement	<ul style="list-style-type: none"> <li>Stainless steel ball bearing Swivel coupled with the aerodynamic wings allows 360° spinning of the warning disc in extremely low winds.</li> </ul>
Size of Reflection Area	<ul style="list-style-type: none"> <li>Min 10,00Sq. mm ± 200Sq mm reflective areas on each face with both sides having different coloured trapezoid sun and moon reflective stickers</li> </ul>
Self Glow in Dark Property	<ul style="list-style-type: none"> <li>Min 4000Sq. mm ± 200Sq mm glow in dark areas on each face of the circular disk glow in night.</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>-30°C to +100°C</li> </ul>
Load Bearing Strength	<ul style="list-style-type: none"> <li>More than 100kgs for the direct pull.</li> </ul>
Grip Retaining Strength	<ul style="list-style-type: none"> <li>Tested up to wind velocity of 70+ kmph. Tested not to slip equal upto 25 Kgs load.</li> </ul>
Environmental Impacts / Ageing	<ul style="list-style-type: none"> <li>Complies with temperature range tests, wind &amp; dust tests accordance to CEA solar radiation. Complies to MIL-STD 810F standard</li> </ul>
UV Test	<ul style="list-style-type: none"> <li>Complies to ASTM G-154:2023, ASTM D 1149 &amp; ASTM D 4329 standard.</li> </ul>
Flaming Test Conforms to	<ul style="list-style-type: none"> <li>Complies to UL-94-V-2 standard.</li> </ul>
Visual corona	<ul style="list-style-type: none"> <li>No Significant corona Discharge for different system Voltages and complies to the technical requirements of CEA / IEC 61284:1997.</li> </ul>
Radio interference Voltage(RIV)	<ul style="list-style-type: none"> <li>Passes general requirements for RIV -tests according to C114.6 of IEC 61284: 1997</li> </ul>