

| PROBLEM TO SOLVE   | Common Use Case  |
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| <ul style="list-style-type: none"> <li>Frequent Fixture Maintenance</li> <li>Poor Light Quality &amp; Distribution</li> <li>High Costs</li> </ul>  | <p>Illumination of material transfer conveyor belts and adjacent walkways.</p>   |
| How Nemalux solves the problem(s) uniquely:  | Technical Recommendations  |
| <p><b>How we solve the problem(s) uniquely:</b></p> <ol style="list-style-type: none"> <li>Nemalux-Specific Fixture Design <ul style="list-style-type: none"> <li>High-pressure die cast aluminum housing with marine grade alloy, designed to safeguard power supply and diodes from overheating.</li> <li>Triple layer, best-available, powder coat finish.</li> <li>Polycarbonate lenses seal the enclosure to withstand direct impact, extreme vibration, and corrosive materials.</li> <li>Nemalux Equalization Valve prevents internal condensation accumulation while maintaining an IP66/67 seal and hazardous location ratings.</li> </ul> </li> <li>Higher Performing Optics <ul style="list-style-type: none"> <li>10+ Optic options</li> <li>Lumens delivered in distribution pattern</li> </ul> </li> <li>Mounting Options <ul style="list-style-type: none"> <li>Nemalux mounting brackets are over-designed to prevent stress fractures and subsequent failures.</li> <li>Stainless steel fasteners are secured in place with thread locker to prevent loosening while allowing access for future upgrades.</li> <li>Adapters are available reliably seal fixture to existing mounts that are not being replaced.</li> <li>For new installations, fixtures can be delivered pre-assembled on adjustable or fixed stanchions to reduce install costs.</li> </ul> </li> <li>CCT Options <ul style="list-style-type: none"> <li>Optional 3,000K LEDs with a high color rendering index ensure excellent vision in all weather conditions.</li> </ul> </li> <li>Dark Sky Compliance <ul style="list-style-type: none"> <li>Nemalux MR has been verified as <a href="#">Dark Sky Compliant</a>.</li> </ul> </li> </ol> | <p><b>Illumination Recommendations for Safety and Operational Considerations (IESNA Handbook):</b></p> <p><b>Conveyor Transfer Points</b><br/> Average Horizontal Illuminance Recommendation: 50 Lux / 5 FC<br/> Average Vertical Illuminance Recommendation: 50 Lux / 5 FC<br/> Uniformity Ratio Recommendation (Max : Min) : &lt; 5:1</p> <p><b>Conveyor</b><br/> Average Horizontal Illuminance Recommendation: 20 Lux / 2 FC<br/> Average Vertical Illuminance Recommendation: 20 Lux / 2 FC<br/> Uniformity Ratio Recommendation (Max : Min) : &lt; 10:1</p> <p><b>Active Walkway</b><br/> Average Horizontal Illuminance Recommendation: 50 Lux / 5 FC<br/> Average Vertical Illuminance Recommendation: 15 Lux / 1.5 FC<br/> Uniformity Ratio Recommendation (Max : Min) : &lt; 5:1</p> <p><b>Inactive Walkway</b><br/> Average Horizontal Illuminance Recommendation: 10 Lux / 1 FC<br/> Average Vertical Illuminance Recommendation: 2 Lux / 0.2 FC<br/> Uniformity Ratio Recommendation (Max : Min) : &lt; 10:1</p> <p><b>Outcome of the Solution (Why Choose Nemalux):</b></p> <ul style="list-style-type: none"> <li>Improved Site Safety</li> <li>Better Visibility in all conditions</li> <li>Reduced Maintenance with Superior Product Reliability</li> <li>Lower Cost; Faster Delivery; Greater Support</li> </ul> |
| SCHEDULE   |  |
| <p>Title / Hook Idea</p>   | <p>"Reliable Delivery for Conveyor Systems"</p>  |