

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Interior Lighting
	<b>COMPANY NAME</b>	Zumtobel
	<b>PRODUCT/COLLECTION NAME</b>	Light for office, healthcare, education and since, art and culture, and etc.
	<b>DESCRIPTION</b>	<p>Series of interior down-lighting, track, linear fluorescent lighting solutions that bring the interplay of light and architecture to life.</p> <p>Premium luminaries and lighting control systems across the full range of applications in professional indoor lighting. The applications of Zumtobel include Offices and Education, Presentation and Retail, Hotel and Wellness, Health and Care, Art and Culture, and Industry and Engineering.</p>
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Packaging is reduced due to reduction in size of lamp fixtures
	<b>RECYCLED CONTENT %</b>	Not Specified
	<b>RAPIDLY RENEWABLE CONTENT %</b>	N/A
	<b>HARMFUL ADDITIVES</b>	Contains some level of mercury in CFL's, yet fixtures using LED's have no mercury
	<b>HARMFUL EMISSIONS</b>	Company calculates the resulting CO2 emissions for products in order to control the manufacturing effects of products on the environment
	<b>EMISSION STRENGTH OVER TIME TREATMENTS</b>	Not Specified
		<p>Powder Coated Finishes</p> <p>In 1998, Zumtobel built a \$1.5 million Powder Coating Facility to improve the quality of our finished goods and reduce the environmental impact of the "paint" process.</p>
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	<p>Zumtobel utilizes simple beds of marsh grass to clean waste - water. They are caretakers of a 10,000 square foot artificial wetland, which is cleaner, more energy-efficient and less costly to maintain than traditional septic systems.</p> <p>They cut down the lighting frame for a top-selling product by 50%, which results in a reduced amount of carton material and tress for cardboard, and they switched to a biodegradable louver cleaner requires no treatment prior to disposal</p> <p>Biodegradable louver cleaner: Switching to a biodegradable louver cleaner requires no treatment prior to disposal. This means fewer potentially harmful chemicals in our facility.</p> <p>The Lighting Energy Numeric Indicator (LENI) is utilized by Zumtobel to calculate the total energy consumption within a building. Many Zumtobel products utilize the Luxmate lighting management system to switch to energy-saving nighttime lighting. Zumtobel, also utilizes user adjustable LED spot lights (to protect against heat and UV radiation).</p>
	<b>HARMFUL EMISSIONS</b>	Utilizes LED lamps in some fixtures
	<b>LOCATION OF MANUF. PLANT</b>	Highland, NY and Garfield, NJ
	<b>TESTS/CODES</b>	Not Known
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	Member of U.S. Green Building Council, EPA Green Lights Ally Seal – (use of seal however does not imply EPA endorsement)
	<b>INSTALLATION PROCEDURE</b>	Uses recycled materials whenever possible in the packaging
	<b>INSTALLATION ADHESIVES</b>	N/A
<b>INSTALLATION</b>	<b>UNIT COST</b>	Prices range according to specified products
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	Utilizing intelligently controlled lighting allows for 80% less energy usage than standard traditional lighting
	<b>END OF SERVICE LIFE</b>	Not Specified
	<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>
<b>MISC. COMMENTS</b>		<p>Zumtobel Lighting supports sustainable product design by:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> using high-quality recyclable materials and components.</li> <li><input type="checkbox"/> designing for excellent optical control, to decrease the number of fixtures.</li> <li><input type="checkbox"/> creating luminaries for the newest, most efficient lamp technology, for: <ul style="list-style-type: none"> <li>– less energy usage.</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>- longer lamp life for less waste in landfills.</li> <li>□ continually re-engineering to use fewer materials.</li> <li>□ employing a state-of-the-art powder coating process that utilizes: <ul style="list-style-type: none"> <li>- zero V.O.C. paint for reduced air pollution.</li> <li>- closed loop water recovery for zero wastewater emission.</li> <li>- powder reclamation for lowered solid waste discharge.</li> </ul> </li> <li>□ educating customers about IES Recommended Practice: <ul style="list-style-type: none"> <li>- suggesting modifications, where appropriate, to luminaire or lamp choice.</li> <li>- offering suggested/sample layouts.</li> <li>- providing information on architectural details and surface finishes that allow luminaires to function most efficiently.</li> </ul> </li> </ul>
	<b>CONTRIBUTION TO LEED POINTS</b>	<p>LEED Categories:</p> <ul style="list-style-type: none"> <li>- Energy and atmosphere</li> <li>- Materials and resources</li> <li>- Indoor environmental air quality</li> <li>- Innovation and design process</li> </ul>
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	<p>Mission Statement:  "We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment."  Committed to remaining fully aware of responsibilities to the environment. Energy efficiency is one of three growth strategy pillars and key growth driver for the company.  Seek to create tailor – made LED lighting solutions.  Developed the HUMANENERGY BALANCE concept in order to assume its share of responsibility for energy consumption.  HUMANENERGY BALANCE defines light as a tool, which caters for human needs as effectively as possible but minimizes environmental pollution. Utilizes Vivaldi to calculate actual consumption and resulting CO2 emissions.</p> <p>Strive to create luminaries for the newest, most efficient lamp technology</p> <p>Advise lighting specifiers on how best to employ our products to optimize comfort and efficient energy usage. We help specifiers achieve "intelligent lighting solutions" to minimize wasted light and energy by:</p> <ul style="list-style-type: none"> <li>- Educating customers about IES Recommended Practice</li> <li>- Where appropriate, suggesting modifications to: Luminaire or lamp choices</li> <li>- Layouts</li> <li>- Architectural details and surface finishes that allow luminaires to function most efficiently.</li> </ul>
	<b>CONTACT</b>	<p>Zumtobel Showroom:  44 West 18th Street, Suite 701  New York, NY 10011  Phone: 1 (212) 243-0460  E-mail: zli.us@zumtobel.com &gt;</p> <p>Headquarters (North America):  Zumtobel Lighting Inc.  3300 Route 9W  Highland NY 12528  Tel: 1 (845) 691-6262  Fax: +1 (800) 448-4131  E-mail: zli.us@zumtobel.com</p> <p>R.L. Vanstory Company  4807 Koger Blvd Ste E, Greensboro, NC 27407  Tel: +1 (336) 294 8645  Fax: +1 (336) 533 0076  E-Mail: info@rlvanstoryco.net  Web: www.rlvanstory.net</p>
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	None Specified