## Interior Lighting: 26.51.13 Te1 2011 Lighting 26.51.13 2011

PRODUCT INFORMATION	TYPE OF PRODUCT	Interior Lighting Fixtures, Lamps, Ballasts
	COMPANY NAME	Tech Lighting – Encompass Lighting Group Brand
	PRODUCT/COLLECTION NAME	LED Lighting Systems to be used with Mono Rail, Wall Mono Rail, Kable Lite, Free Jack lighting fixtures
	DESCRIPTION	LED Technology integrated with pendant and head lighting fixtures in order to provide ambient and task lighting
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Some fixtures feature hand-crafted Murano glass Manufacturing of glass shades vary by over-seas locations in Asia and Europe
	RECYCLED CONTENT %	No percentage specified – however any recycled glass used in manufacturing would be post-consumer Rejected glass is donated for pre- consumer recycled countertops manufacturing
	RAPIDLY RENEWABLE CONTENT %	N/A
	HARMFUL ADDITIVES	no mercury, RoHS (Restriction of Hazardous Substances) compliant - no hazardous materials of any kind PBDE – free mercury free and cadmium free
	HARMFUL EMISSIONS	None Specified for LED lamps
	EMISSION STRENGTH OVER TIME	No UV rays for LED lamps
	TREATMENTS	Note: Hellos Head: Satin Nickel, and Antique Bronze Finishes Note: Pendants: Chrome, Satin Nickel, and Antique Bronze Finishes
MANUFACTURING	MANUFACTURING PROCESS	Not Specified for over-seas location – assembly only within the United States
	HARMFUL EMISSIONS	No harmful emissions specified
	LOCATION OF MANUF. PLANT	Manufacturing Vendors – US, Asia, and Europe Headquarters and assembly:
		7400 Linder Avenue Skokie, IL 60077
	TESTS/CODES	ETL Testing
	3 <sup>RD</sup> PARTY CERTIFICATION	None
INSTALLATION	INSTALLATION PROCEDURE	MonoRail run must be placed so it runs directly beneath the junction box with surface transformer or power feed canopy and intersects the locations of all the fixtures. Can select to use either a remote or surface transformer. (1) Standoff at every (3) ft. of the MonoRail is required.
	INSTALLATION ADHESIVES	None
	UNIT COST	Varies per fixture
<u>:</u> MISC. PROPERTIES	LIFE CYCLE ANALYSIS EXTRACTION	83% reduction of energy consumption (compared to 35-watt halogen bi- pin or MR16 lamp)
		LED Hellos Head: Initial 5.8 watts in power consumption and 4.9 watts in stabilized power consumption Color Temperature: 3000 K
		Lumens: Initial 360 lms Stabilized 327 lms Lumens / Watts: Initial 62 lms, Stabilized 67 lms Color Rendering: 80 CRI Lamp: 12 Volt LED 3000K
		LED Pendant Assembly: Initial 5.8 watts in power consumption and 4.7 watts in stabilized power consumption Color Temperature: 3000 K Lumens: Initial 300 Ims Stabilized 250 Ims Lumens / Watts: Initial 52 Ims, Stabilized 53 Ims Color Rendering: 80 CRI
	END OF SERVICE LIFE	Aluminum heat sink stays with fixture at the end of LED lamp module life

1	PRODUCT	Note: (3) year warranty
	MISC. COMMENTS	
		recognized by the Department of Energy in the Next Generation
		Luminaires 2008 competition. The Tech
		Lighting LED pendant design was one of just 22 market-ready LED
		products recognized by the judging
		panel and the <i>only</i> pendant design recognized in this competition.
		The Department of Energy sponsored the Next Generation Luminaires
		competition to encourage
		technical innovation and recognize and promote excellence in the design
		of energy-efficient LED
		commercial lighting luminaires.
	CONTRIBUTION TO LEED POINTS	None Specified
COMPANY PROFILE	GREEN PHILOSOPHY	High-performance, energy-saving light-emitting diode (LED) lighting was,
		until recently, not considered practical for our applications. After years of
		research, development and testing, we are introducing two unique,
		proprietary LED solutions that integrate our LED modules into over 40
		signature pendants and one new head design. Both solutions are
		available for use on our industry leading architectural grade low-voltage
		lighting systems, including MonoRail, Wall MonoRail, Kable Lite and
		FreeJack.
	CONTACT	Tech Lighting
		7400 Linder Avenue
		Skokie, IL 60077
		P: 847 410 4400
		F: 847 410 4500
		E: sales_support@techlighting.com
		Service and Support
		Technical Support
		P: 847 410 4601
		E: ELGtechsupport@encompasslighting.com
		Customer Service
		P: 847 410 4601
		East: cseast@techlighting.com
		South: cssouth@techlighting.com
		Midwest: csmidwest@techlighting.com
		West: cswest@techlighting.com
		Headquartered outside of Chicago, Encompass Lighting Group is known
		for combining
		precision design and high quality materials to create beautiful, functional
		lighting. Its products can be
		found in lighting retailers and through sales representatives across North
		America.
MAINTENANCE	AFTER INSTALLATION	None Specified