



Tunnel Light

TL - SERIES

SPECIFICATIONS

Construction

HOUSING extruded made from non-corrosive Aluminum, one piece heavy duty structurally rigid; enclosed with extruded end caps; finished with polyester powder coat of desired color.

LENS DOOR ASSEMBLY: CLEAR TEMPERED GLASS LENS, UV filtered; thermal and impact resistant, sealed with doorframe and housing using extruded, memory retentive silicone gasket. It is hinged with the housing and latched using strong and sturdy stainless steel spring clips for positive seal every time and TOOLLESS access for re-lamp/maintenance.

Optical System

Unique design only for Tunnel Lighting Applications. Available beam patterns (1) Symmetrical for center rows - longitudinal or transverse rows installations. Suitable for two-way traffic. (2) Asymmetrical for side rows - low glare, ceiling or wall mounting. Suitable for two-way traffic. (3) Counter-Beam (negative contrast) or Pro-beam (positive contrast) optical systems with excellent glare control designed for INCOMING or OUTGOING traffic respectively (one-way traffic). All optical systems are fabricated precision die formed and made from specular mirror finished aluminum; designed for high performance controlled beam and low glare. Specify option AL Anti-glare Louvre.

Electrical Components

LAMPHOLDER shall be glazed porcelain mogul base with spring loaded center contact; Ni-Cadmium plated copper screw shell with anti-vibration grip. Rated 4KV, 600V.

BALLAST shall be high power factor with reliable lamp starting temperature below -40°F for HPS and -20°F for MH. Ballast coil windings are copper with class H insulation.

Mounting

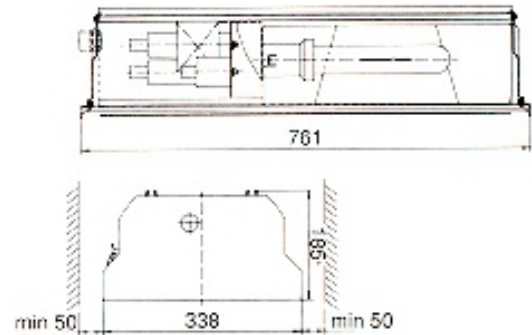
Quick Mount ceiling bracket provided with sealed wiring compartment suitable for outdoor wet location application.

OPTIONAL mounting brackets are available for quick installation/maintenance:

- Ceiling Mounting (Specify option CM)
- Suspended Mounting (Specify option SM)
- Cable Tray Mounting (Specify option TM)
- Through Wiring with two cable glands (Specify option TW)
- Pre-wiring Device (Specify option PW)

Listings

IEC IP65 dust-tight and water proof; UL 1598 suitable for indoor/outdoor wet or damp locations. Electrical Class 1; Shock resistance 6 joules/IK08 rating..



CM—Ceiling Mount



SM—Suspended Mounting



LAMP INCLUDED.

TM—Cable Tray Mounting

THORN LIGHTING has many years of tunnel lighting experience worldwide, including many major projects in China, the Far East, Middle East, Europe and Nordic countries.

There are over 900 tunnels in Norway alone, with a total length 700km. 20 new tunnels were opened in 2000 and Thorn was involved in lighting the majority of them.

Thorn manufactures a comprehensive range of products for Tunnels, underpasses and subways.

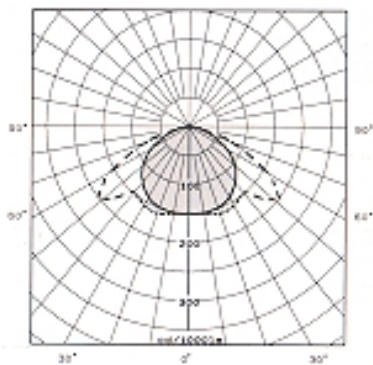
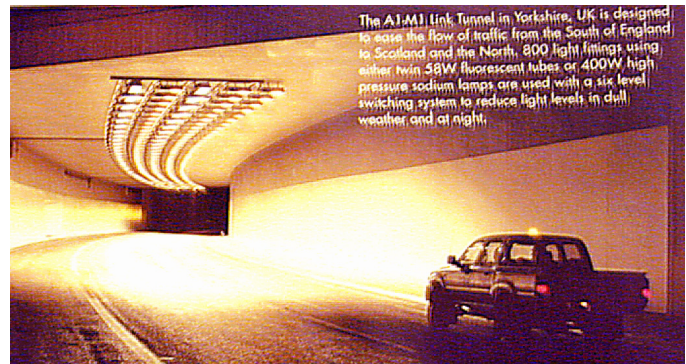
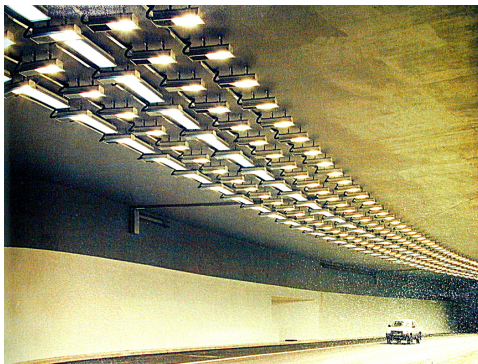


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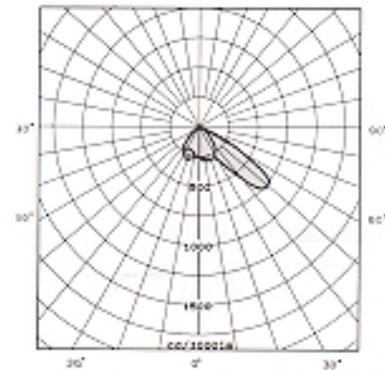


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Web Site: www.nslights.com

ORDERING GUIDE										
MODEL NUMBER				LIGHT SOURCE OPTIONS				OPTIONS / ACCESSORIES		
PRODUCT FAMILY	REFLECTOR DISTRIBUTION	MOUNTING OPTIONS	LAMP WATTAGE	LAMP TYPE/BASE (4-CHARACTERS MAX)	VOLTAGE	BALLAST TYPE	OPTION-1	OPTION-2	OPTION-3	
Basic Model										
TL	-									
TUNNEL LIGHT	1 = SYMMETRICAL	DM = DIRECT	35 = 35W LPS	MMO = MH-MOG	120 = 120V	C = CWA	PE = PHOTOCELL			
	2 = ASYMMETRICAL	CM = Ceil. Mt. Bracket	55 = 55W LPS	HMO = HPS-MOG	208 = 208V	A = AUTO REG	SIF = SINGLE IN-LINE FUSE			
		SM = Susp. Mount	100 = 100W	PS = PULSE START MH	240 = 240V	M = MAG-REG	DIF = DOUBLE IN-LINE FUSE			
		TM = Cable Tray Mount	150 = 150W	LP = LPS	277 = 277V	L = LOW LOSS AUTOREG	AL = ANTI-GLARE LOUVRE			
		TW = Thru. Wiring	175 = 175W		480 = 480V	P = CWI	HR = HOT RESTRIKE			
		PW = Pre-Wiring Device	200 = 200W		347 = 347V		FINISHES:			
			250 = 250W		MT = MULTI VOLTAGE		GR = GRAY			
			400 = 400W				WT = WHITE			
NOTES:	1.	FOR DEDICATED SPECIAL APPLICATION, STAINLESS STEEL HOUSING IS AVAILABLE, CONSULT FACTORY.								
	2.	FOR INDUCTION QL-LAMP, CONSULT FACTORY.								



SYMMETRICAL DISTRIBUTION



ASYMMETRICAL DISTRIBUTION



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