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.

Thorn/North Star Lighting Inc
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Web Site: www.nslights.com

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.
## ORDERING GUIDE

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### NOTES:
1. FOR DEDICATED SPECIAL APPLICATION, STAINLESS STEEL HOUSING IS AVAILABLE, CONSULT FACTORY.
2. FOR INDUCTION QL-LAMP, CONSULT FACTORY.

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**Tunnel Light**

![Symmetrical Distribution](image1.png)

![Asymmetrical Distribution](image2.png)

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