

Light Tube Day Lighting System Specifications

Light tube Day lighting is designed on buildings to maximize visual comfort and to reduce electrical energy use. Day lighting can be customized for all buildings.

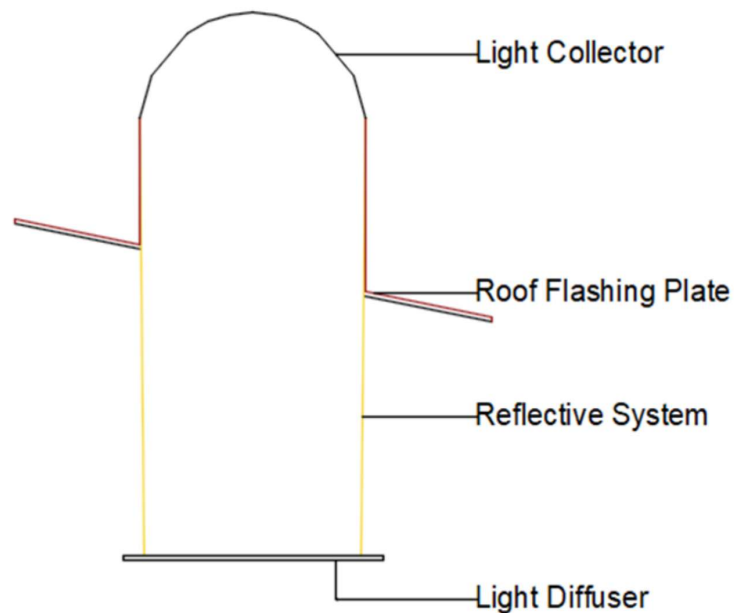
Why Day Lighting:

Day lighting brings beauty and radiance to your workspace with natural sense of well being and productivity. Using day light helps to save energy and keeps resource for the future generation.

- Energy efficiency
- Cost effective
- Convenience
- Health benefits

The Light Tube consists of 4 components:

1. Light collector
2. Reflective System
3. Light Diffuser
4. Roof flashing plate



1. Light Collection System

Light collector: The clear, solid, compact, angular dome collects the light from all angles of the sky. The angular dome is designed to reject the mid afternoon light and collects the low angle light.

Material: Solid compact both sides UV coated polymeric material with high impact strength and fire retardant.

Shape: Molded angular dome shape.

Thickness: 3mm sheet.

2. Reflective System

Light reflector: Cylindrical crimped tube with jointing not less than 25mm riveted using aluminum riveting technique. Joints covered with 90 μ thick aluminum tape of 50mm width.

Material: Anodized aluminum sheet.

Material thickness: 0.4mm.

Total reflectivity: Not less than 86%.

3. Light Diffuser

Diffuser: Dome/flat molded diffuser disperses light uniformly without bright spots. Light transmission is not less than 90%.

Material: Solid compact both sides UV coated opel white polymeric material.

Thickness: 2mm sheet.

Diffuser holder: Fiber reinforced plastic minimum 3mm thick, fireproof.

Roof Flashing Plate

Material: 0.6mm thick galvanized iron sheet, completely welded.

Leak proof: 4mm EPDM gasket and rubberized PU sealant.

Fixing: Aluminum rivets / stainless steel self-thread screws.