

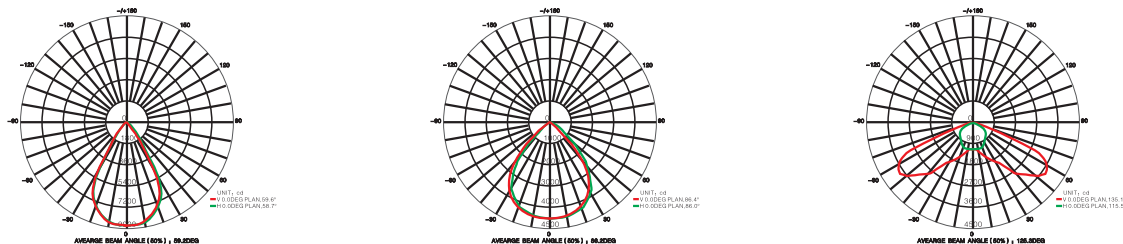
# LED Tunnel Light

TL01 Series



|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Model                      | TL01                                             |
| Rated Power                | 60/80/100/120W                                   |
| Input Voltage              | AC110/220V(applied to 90 ~ 305V)                 |
| Input Frequency            | 50/60HZ                                          |
| Beam Angle                 | 60°/90°/140°(transversely)70°(vertically)        |
| Actual Luminous Efficiency | 80 ~ 90lm/W (LED itself: 100lm/W)                |
| Color Temperature          | Warm white: 2700 ~ 4500K/Pure white 5000 ~ 6500K |
| CRI                        | > 70                                             |
| IP Grade                   | IP66                                             |
| Corrosion-resisitant Grade | WF2                                              |
| Power Factor               | > 0.95                                           |
| Ambient Temperature        | -40 ~ 60°C                                       |
| Lifetime                   | > 50,000hrs                                      |
| Housing material           | Aluminum alloy                                   |
| Lens material              | tempered glass                                   |
| Net Weight                 | 6.3Kg                                            |
| Dimension                  | 300 × 300 × 226mm                                |
| Packing size               | 380 × 380 × 320mm                                |

## Light distribution curve

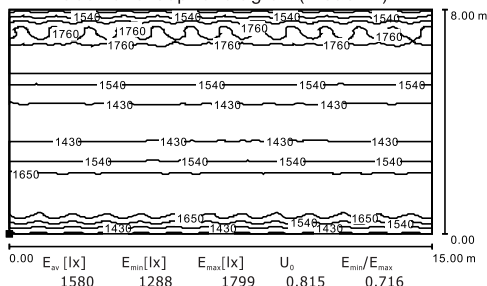


## Tunnel Design Reference

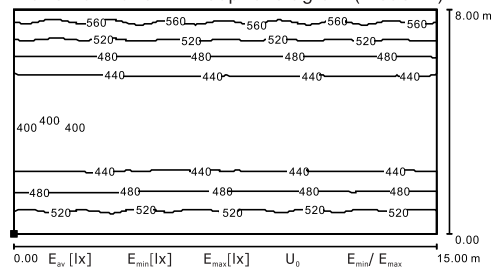
|                    |                                                                     |                     |                     |                     |               |           |
|--------------------|---------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------|-----------|
| Tunnel info        | Two lane tunnel, traffic flow 700-2400 vehicles/hour, speed <80km/h |                     |                     |                     |               |           |
| Tunnel Width       | 8m                                                                  |                     |                     |                     |               |           |
| Arrangement        | Double row, opposing, Height 4m with 45° Boom Angle                 |                     |                     |                     |               |           |
| Section zone       | Entrance zone (Threshold )                                          | Transition zone TR1 | Transition zone TR2 | Transition zone TR3 | Interior zone | Exit zone |
| Suggest watts      | 120W                                                                | 100W                | 120W                | 120W                | 100W          | 100W      |
| Light distribution | 60°                                                                 | 90°                 | 140° /70°           | 140° /70°           | 140° /70°     | 90°       |
| Spacing            | 1.2M                                                                | 2M                  | 7M                  | 15M                 | 15M           | 4M        |

## Simulate illuminance for each section

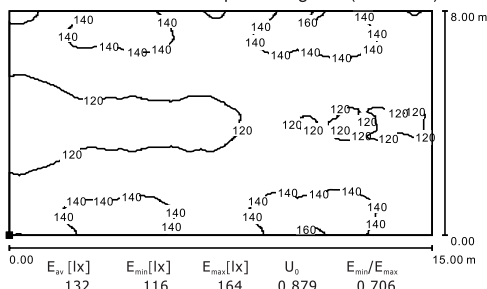
Entrance zone isophot diagram (meas: lx)



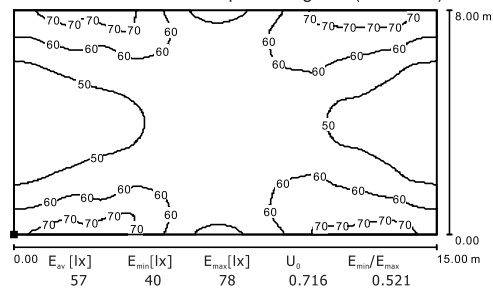
Transition zone TR1 isophot diagram (meas: lx)



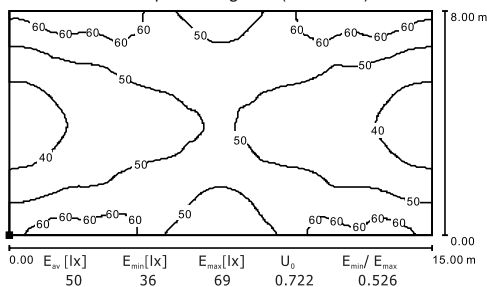
Transition zone TR2 isophot diagram (meas: lx)



Transition zone TR3 isophot diagram (meas: lx)



Interior zone isophot diagram (meas: lx)



Exit zone isophot diagram (meas: lx)

