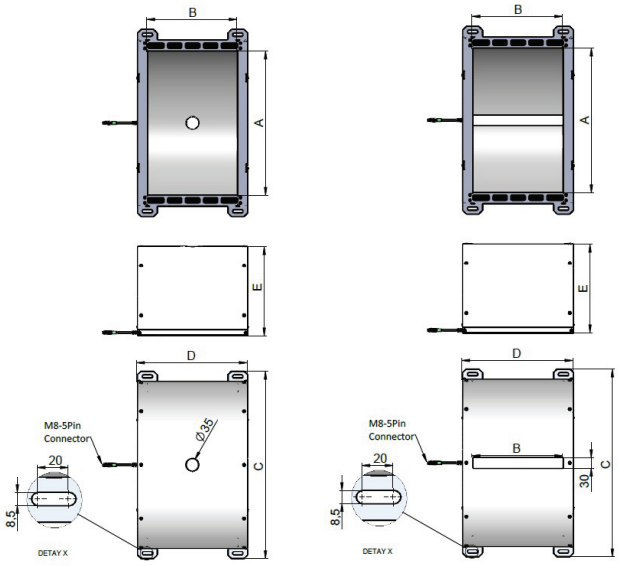
# VL-TNL Tunnel Light for Special Applications (up to 1000mm)

- Ultra high intensity strobe light
- Light adjustable via controller DIP switches
- Compact design for small parts narrow spaces

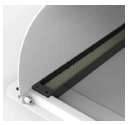





VL-TNA VL-TNL

## Features

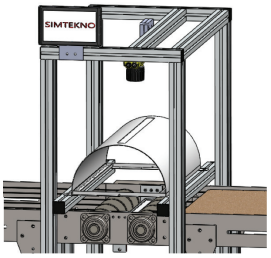
Standard bar light used for large models

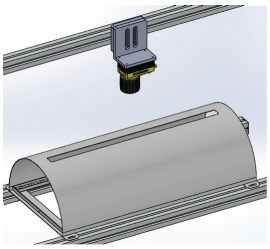


Illumination intensity modes with dip switches




## How to use



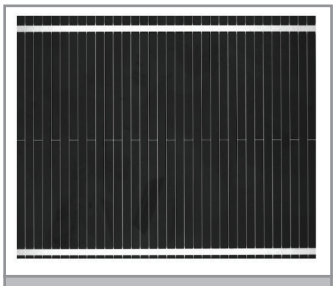
## Product Types

| Model | Color | Wavelength/ Color Temperature | Power Supply | Power Consumption | IP Rating (Option: IP67) | Connection | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Housing Material | Light Angle (º) | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VL-TNA-200-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 200 | 250 | 320 | 307 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-200-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 200 | 250 | 320 | 307 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-200-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 200 | 500 | 320 | 557 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-200-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 200 | 500 | 320 | 557 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-300-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 300 | 250 | 420 | 307 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-300-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 300 | 250 | 420 | 307 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-300-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 300 | 500 | 420 | 557 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-300-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 300 | 500 | 420 | 557 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-400-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 400 | 250 | 520 | 307 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-400-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 400 | 250 | 520 | 307 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-400-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 400 | 500 | 520 | 557 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNA-400-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 400 | 500 | 520 | 557 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | B |
| VL-TNL-200-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 200 | 250 | 320 | 307 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 200 | 250 | 320 | 307 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 200 | 500 | 320 | 557 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 200 | 500 | 320 | 557 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-750-R-24-C30 | R | 625nm | 24VDC | 39W | IP50 | M8 4 pin w 300mm cable | 200 | 750 | 320 | 807 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-750-W-24-C30 | W | 6500K | 24VDC | 60W | IP50 | M8 4 pin w 300mm cable | 200 | 750 | 320 | 807 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-1000-R-24-C30 | R | 625nm | 24VDC | 52W | IP50 | M8 4 pin w 300mm cable | 200 | 1000 | 320 | 1057 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-200-1000-W-24-C30 | W | 6500K | 24VDC | 80W | IP50 | M8 4 pin w 300mm cable | 200 | 1000 | 320 | 1057 | 147 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |

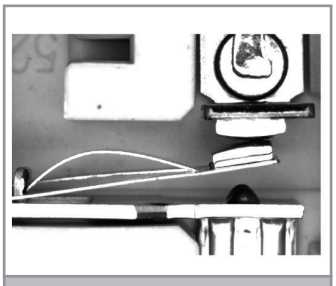
## Product Types

| Model | Color | Wavelength/ Color Temperature | Power Suppy | Power Consumption | IP Rating (Option: IP67) | Connection | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | Housing Material | Light Angle (º) | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VL-TNL-300-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 300 | 250 | 420 | 307 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 300 | 250 | 420 | 307 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 300 | 500 | 420 | 557 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 300 | 500 | 420 | 557 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-750-R-24-C30 | R | 625nm | 24VDC | 39W | IP50 | M8 4 pin w 300mm cable | 300 | 750 | 420 | 807 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-750-W-24-C30 | W | 6500K | 24VDC | 60W | IP50 | M8 4 pin w 300mm cable | 300 | 750 | 420 | 807 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-1000-R-24-C30 | R | 625nm | 24VDC | 52W | IP50 | M8 4 pin w 300mm cable | 300 | 1000 | 420 | 1057 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-300-1000-W-24-C30 | W | 6500K | 24VDC | 80W | IP50 | M8 4 pin w 300mm cable | 300 | 1000 | 420 | 1057 | 197 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-250-R-24-C30 | R | 625nm | 24VDC | 13W | IP50 | M8 4 pin w 300mm cable | 400 | 250 | 520 | 307 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-250-W-24-C30 | W | 6500K | 24VDC | 20W | IP50 | M8 4 pin w 300mm cable | 400 | 250 | 520 | 307 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-500-R-24-C30 | R | 625nm | 24VDC | 26W | IP50 | M8 4 pin w 300mm cable | 400 | 500 | 520 | 557 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-500-W-24-C30 | W | 6500K | 24VDC | 40W | IP50 | M8 4 pin w 300mm cable | 400 | 500 | 520 | 557 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-750-R-24-C30 | R | 625nm | 24VDC | 39W | IP50 | M8 4 pin w 300mm cable | 400 | 750 | 520 | 807 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-750-W-24-C30 | W | 6500K | 24VDC | 60W | IP50 | M8 4 pin w 300mm cable | 400 | 750 | 520 | 807 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-1000-R-24-C30 | R | 625nm | 24VDC | 52W | IP50 | M8 4 pin w 300mm cable | 400 | 1000 | 520 | 1057 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |
| VL-TNL-400-1000-W-24-C30 | W | 6500K | 24VDC | 80W | IP50 | M8 4 pin w 300mm cable | 400 | 1000 | 520 | 1057 | 247 | Aluminum (Black, Anodized) & Steel (White, Painted) | 120° | C |

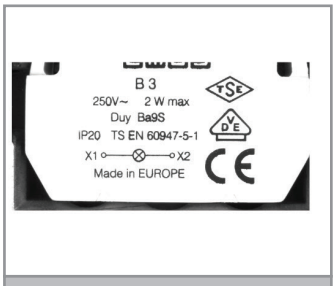
## Sample Applications



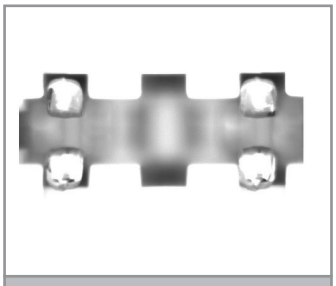
Solar panel inspection, large area positioning



Shiny surface inspection




Part mark read with diffuse lighting

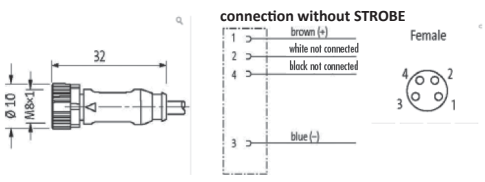
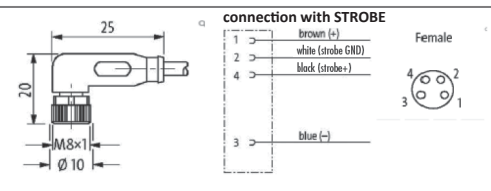


Shiny part positioning, inspection

## Dip Switch Setup

| | Light ON Position Percentage | Light Intensity | Accessories Image |
|---|---|---|---|
|  | ON : % 100<br>OFF : % 0 (Standard High Intensity) | | Can be used without strobe, continuous illumination mode |
|  | ON : % 85<br>OFF : % 15 | | Due to high illumination settings, use this mode only with strobe input with given ON/OFF percentage. |
|  | ON : % 72<br>OFF : % 28 | | Due to high illumination settings, use this mode only with strobe input with given ON/OFF percentage. |
|  | ON : % 60<br>OFF : % 40 | | Due to high illumination settings, use this mode only with strobe input with given ON/OFF percentage. |
|  | ON : % 50<br>OFF : % 50 (Ultra high light Intensity) | | Due to high illumination settings, use this mode only with strobe input with given ON/OFF percentage. |

## Electrical Connection

| | Cable | Ordering Code | Drawing/Connection |
|---|---|---|---|
| 1 | M8 female 0° with cable PVC 4x0.25 bk UL/CSA 3m | 7000-08061-6110300 |  |
| 2 | M8 female 0° with cable PVC 4x0.25 bk UL/CSA 5m | 7000-08061-6110500 | |
| 3 | M8 female 90° with cable PVC 4x0.25 bk UL/CSA 3m | 7000-08101-6110300 |  |
| 4 | M8 female 90° with cable PVC 4x0.25 bk UL/CSA 5m | 7000-08101-6110500 | |



**Just type A has connection with STROBE.**