

# YT02 | Surface Mount Aluminum Extrusion

**BEULUX**

YT02 is a very small surface mount extrusion but with great heat dissipation capabilities. Can be compatible with L90 – L400, RGB, and Tunable White. It is made of anodized aluminum and can be cut on site. To be installed without diffuser or with one out of the YT diffuser range YT99-SL, YT99-CL, YT99-DL.

## Product Detail

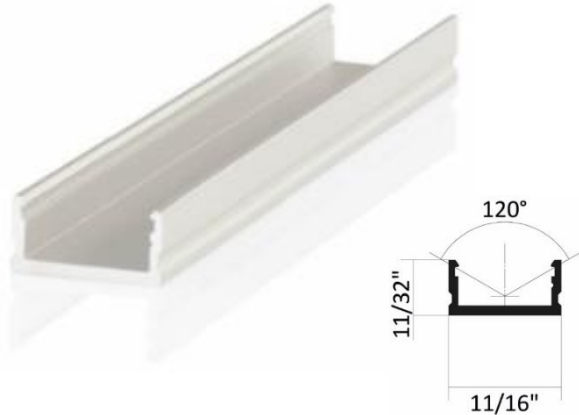
Extrusion: YT02

Material: Extruded aluminum

Color: Anodized silver

Size in Inch: L 78 ¾ x W 11/16 x H 11/32

Customization: Cut to any length



## Compatibility

Tapelight: Maximum 400 lm/ft, RGB, TW

Lens: Clear, drop, Satined lens

Accessories: Mounting clip, end cap

Connector: Connector, cable, power feed

Power Supply: Dimming, Non-Dimming

## Compatible Lens



**YT99-SL**  
Satined Lens  
PMMA, 82% transmission



**YT99-DL**  
Satined Drop Lens  
PMMA, 82% transmission



**YT99-CL**  
Clear Lens  
PMMA, 93% transmission

## YT02 Extrusion + Lens

Satined Lens



YT02 +  
YT99-SL

Drop Lens



YT02 +  
YT99-DL

Clear Lens



YT02 +  
YT99-CL

## Compatible Accessories

Mounting clip



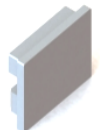
**YT99-MC**

End Cap



**YT02-EC**  
For use with lens  
YT99-SL or YT99-CL

End Cap



**YT02-ECD**  
For use with lens  
YT99-DL

## Tape Light

| Output   | IP Rating                       | Color Temp                                   |
|--|---------------------------------|--|
| L90 = 90 lumens/ft<br>L180 = 180 lumens/ft<br>L270 = 270 lumens/ft<br>L400 = 400 lumens/ft | IP00 = Indoor<br>IP66 = Outdoor | CT27 = 2700k<br>CT30 = 3000k<br>CT40 = 4000k |
|  | IP00 = Indoor                   | CT35 = 3500k                                 |
| RGB = Color Changing   | IP00 = Indoor<br>IP66 = Outdoor | None   |
| TW = Tunable White   | IP00 = Indoor<br>IP66 = Outdoor | CT27-40 = 2700k-4000k                        |

## Technical Information

| Output                     | L90  | L180 | L270 | L400 | RGB     | Tunable White |
|----------------------------|------|------|------|------|---------|---------------|
| LEDs/ft                    | 36   | 36   | 36   | 36   | 18      | 72            |
| Lumens/ft @ 4000K          | 90   | 180  | 270  | 400  | Max 110 | 460           |
| Consumption (watt/ft)      | 0.73 | 1.62 | 2.5  | 3.66 | 2.2     | 4.12          |
| Efficacy @ 4000k (lm/watt) | 123  | 111  | 108  | 109  |         | 111           |
| CRI                        | >80  | >80  | >80  | >80  |         | >80           |
| Voltage                    | 24   | 24   | 24   | 24   | 24      | 24            |
| Maximum run length         | 75'  | 52'  | 35'  | 30'  | 20'     | 30'           |
| Customization increment    | 2"   | 2"   | 2"   | 2"   | 4"      | 2"            |

## Ordering Code

| Extrusion | Lens   | Tapelight  |              |  | Mounting           | End Cap      |
|-----------|--|--|--------------|--|--------------------|--------------|
| YT02      | - SL   | - L90  | IP00         | CT27   | - MC               | - EC         |
| YT02      | SL - Satined Lens<br>DL - Drop Lens<br>CL - Clear Lens | L90 - 90 lm/ft<br>L180 - 180 lm/ft<br>L270 - 270 lm/ft<br>L400 - 400 lm/ft<br>RGB - Color Changing<br>TW - Tunable White | IP00<br>IP66 | CT27 - 2700K<br>CT30 - 3000K<br>CT35 - 3500K<br>CT40 - 4000K | MC - Mounting Clip | EC - End Cap |

## Power Supply

| Model            | Power  | IP  | Input   | Output | Dimension (Inch) LxWxH   |         |  |         |   |      |      |
|------------------|--|---|---------|--------|--|---------|--|---------|---|------|------|
| TR = Non-Dimming | 50 = 50 watt<br>75 = 75 watt<br>100 = 100 watt<br>150 = 150 watt | IP00  | 88-264V | 24V    | 3.90 X 3.82 X 1.42<br>5.08 X 3.82 X 1.50<br>6.26 X 3.82 X 1.50<br>7.84 X 3.85 X 1.50 |         |  |         |   |      |      |
|                  | 12 = 12 watt<br>16 = 16 watt<br>25 = 25 watt<br>35 = 35 watt     |   |         |        | IP42   | 90-264V | 3.03 X 1.57 X 1.14<br>3.03 X 1.57 X 1.14<br>3.31 X 2.24 X 1.16<br>3.31 X 2.24 X 1.16 |         |   |      |      |
|                  | 20 = 20 watt<br>35 = 35 watt<br>60 = 60 watt<br>100 = 100 watt   |   |         |        |  |         | IP67   | 90-264V | 4.65 X 1.38 X 1.02<br>5.83 X 1.57 X 1.18<br>6.40 X 1.67 X 1.26<br>7.48 X 2.05 X 1.46  |      |      |
|                  | DTR =Dimming<br>(0-10V)  | 16 = 16 watt<br>25 = 25 watt<br>40 = 40 watt<br>60 = 60 watt<br>90 = 90 watt<br>100 = 100 watt<br>120 = 120 watt<br>150 = 150 watt<br>185 = 185 watt<br>240 = 240 watt<br>320= 320 watt<br>600 = 600 watt | IP67    |        | 90-305V  | 24V     |  |         | 5.83 X 1.57 X 1.26<br>5.83 X 1.57 X 1.26<br>6.40 X 1.70 X 1.26<br>6.40 X 1.70 X 1.26<br>6.34 X 2.40 X 1.42<br>8.66 X 2.68 X 1.53<br>8.66 X 2.68 X 1.53<br>8.97 X 2.68 X 1.58<br>8.97 X 2.68 X 1.58<br>9.88 X 2.68 X 1.58<br>9.92 X 3.54 X 1.72<br>11.02 X 5.67 X 1.91 |      |      |
|                  |  | DTR – FP = Dimming<br>(Forward Phase)   |         |        |  |         |  |         | 20 = 20 watt<br>40 = 40 watt<br>60 = 60 watt<br>75 = 75 watt<br>96 = 96 watt  | IP67 | 120V |

## Power Supply Ordering Code

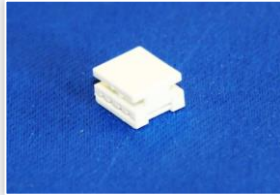
| Model  | Power | IP   | Description   |
|--------|-------|------|---|
| TR     | 50    | IP00 | Non-Dimming, 50 watt, IP00, 88-264V output, 24V input   |
| DTR    | 16    | IP67 | 0-10V Dimming, 16 watt, IP67, 90-305V output, 24V input |
| DTR-FP | 20    | IP67 | Forward Phase-Dimming, 20 watt, IP67, 120V output, 24V  |

## Customization

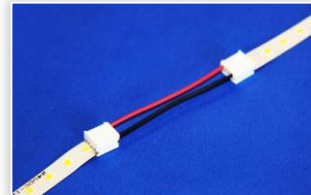
| Code           | Description                             | Customization   |
|----------------|---|---|
| T20-CUST       | Tapelight Customizing                   | Cut tape to exact length (2" increments)  |
| TL20-CUST      | Tapelight Customizing + Lead Wires      | Cut tape to exact length + solder 4' lead wire  |
| E20-CUST       | Extrusion Customizing                   | Cut tape & extrusion to exact length, installing tape, add strain relief, and solder 4' lead wire |
| E20-CUST-C     | Extrusion Customizing Color             |   |
| E20IP68-1-CUST | Extrusion Customizing IP68 for 1-2 feet |   |
| E20IP68-3-CUST | Extrusion Customizing IP68 for 3-4 feet |   |
| E20IP68-5-CUST | Extrusion Customizing IP68 for 5-6 feet |   |

## Connectors

**CON-S**  
Splice connector



**CON2-JC**  
Jumper Cable with  
2" cable



**CON20-JC**  
Jumper Cable with  
20" cable



**CON20-PF**  
Power feed for white  
tapelight with 20" cable



**CON20RGB-PF**  
Power feed for RGB  
tapelight with 20" cable

