

## PRISM

Steel and AL Reflector Panel for LED T8 & T5



T5 V-Shape Reflector



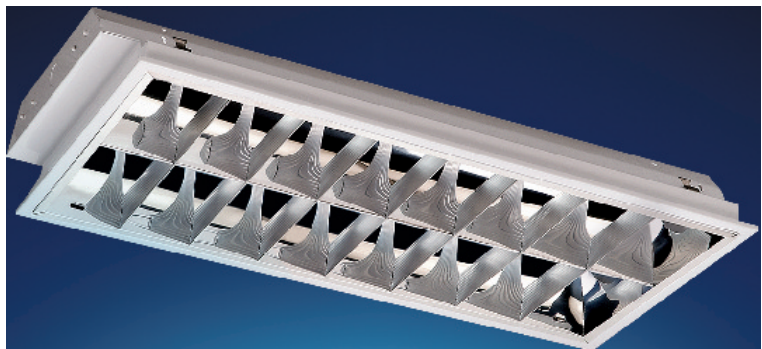
T8 I-Shape Reflector



Air Slot Type (V or I Shape)

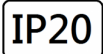


T8 V-Shape Reflector



- V Sharp type Material : 0.5mm steel housing with double parabolic imported Mirror-Silver aluminum reflector
- I Sharp type Material : 0.5mm steel housing with Single parabolic imported Matte-Silver aluminum reflector
- Anti rust treated white-painted RAL 9016 sheet steel housing
- Integrated LED Control Gear 0/1-10V and DALI, and Zigbee Wireless and Emergency Kit
- Optional Reflector : V Sharp or I Sharp
- Optional Air Slot Type

## Technical Data

|                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation method / 安裝方式 / Método de instalación                                                            | Recessed Mount / 暗裝式燈具 / Montaje empotrado                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dimension / 尺寸 / Dimensión                                                                                    | W:598 x L:598 x H:85mm W:298 x L:1198 x H:85mm W:598 x L:1198 x H:85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cut-off Dimension / 開孔尺寸 / Dimensión de corte                                                                 | W:580 x L:580 x H:85mm W:280 x L:1180 x H:85mm W:580 x L:1180 x H:85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Input Voltage / 輸入電壓 / Voltaje de entrada                                                                     | AC 220 - 240V 50/60 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power Consumption / 燈具功率<br>Consumo de energía                                                                | Refer to Specification Code and LED Tube Power<br>參考規格代碼和LED燈管功率<br>Consulte el código de especificación y la potencia del tubo LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LED Driver Type / LED驅動款式<br>Tipo de controlador LED                                                          | Integrated or remote type LED Driver - Refer to LED driver specification 參閱LED<br>驅動器規格Consulte la especificación de controlador de LED<br>1. ON/OFF Switch AC220-240V 50/60HZ for AC LED T5 / LED T8<br>2. 1-10V Dimming Driver AC220-240V 50/60HZ for DC LED Tube<br>3. DALI 1-100% Dimming Driver AC220-240V 50/60HZ for DC LED Tube<br>4. ZIGBEE Wireless Control (Remoted Driver) AC220-240V 50/60HZ for DC LED<br>Tube<br>5. Emergency Backup >2 hours or >3 hours @ < 12 charger hours應急電<br>池/Copia de seguridad de emergencia                                                                                                                                                               |
| LED Driver Features / 驅動特性<br>Funciones del controlador de LED                                                | Power Factor : >0.9<br>Total Harmonic Distortion: <20%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Control Protocol / 控制協議<br>Protocolo de Control                                                               | 1-10V / DALI / ZIGBEE Wireless Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Beam Angle / 光束角 / ángulo de haz                                                                              | Refer to LED T5 / T8 Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Photobiological safety / IEC 62471 of Luminaire<br>光生物安全檢驗(IEC/EN 62471)<br>Seguridad fotobiológica-IEC 62471 | • Low Risk Group 1 (RG1) Refer to LED T5 / T8 Specification<br>• 低風險組1 (RG1) 參閱LED T5 / T8規格<br>• Grupo de bajo riesgo 1 (RG1) Consulte la especificación LED T5 / T8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Housing materials / 外殼材料<br>Materiales de la carcasa                                                          | Steel sheet with Aluminium reflector / 鋼板和 鋁反射器<br>Chapa de acero con reflector de aluminio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Trim Housing Color / 框外殼顏色<br>color de la carcasa                                                             | White coating RAL 9016 / 白色塗層RAL 9016<br>Recubrimiento blanco RAL 9016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Accessories / 配件 / Accesorios                                                                                 | Air Slot for cooling heating and fresh air outlets / 空氣槽(冷暖氣和鮮風出口)<br>Conductos de aire (refrigeración, calefacción y salidas de aire fresco)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reflectivity of Reflector<br>反射器的反射率<br>Reflectividad del reflector                                           | V Sharp Type: 80% reflectivity / V 型: 80% 反射率 / Tipo V Sharp: 80% de<br>reflectividad<br>I Sharp Type: 70% reflectivity / I 型: 70% 反射率 / Tipo agudo: 70% de<br>reflectividad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operating Temperature Range / 工作溫度範圍<br>Rango de temperatura de funcionamiento                                | -20 °C / +45 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating Humidity / 工作濕度<br>Humedad de funcionamiento                                                        | 0~90%, non-condensing / 不結霜<br>sin condensación                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ingress Protection / 防護等級<br>Protección de ingreso                                                            | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Comply Testing Standard<br>符合測試標準<br>Cumplir el estándar de prueba                                            | Luminaires: IEC/ EN 60598-1 / EN 60598-2-1 / EN 62031 / EN 62493<br>LED Driver :IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 /EN 55015 /<br>EN 61000-3-2 / EN 61000-3-3 / EN 61547<br>LED T5 /T8 :IEC/EN 62471 / IEC 60598-2-22 / IEC 62031 /EN 55015 /<br>EN 61000-3-2 / EN 61000-3-3 / EN 61547 / IEC 62262 / IEC 60529 / IEC TR62778<br>Luminaries Performance : IEC 62722-1 / IEC 62722-2-1 FSD regulation PPA 105A<br>(4th Rev). RoHS                                                                                                                                                                                                                                                              |
| Certification / 認證 / Certificación                                                                            |         |

|         |          |      |
|---------|----------|------|
| Project | Fixture# | Date |
|         |          | Firm |

## Ordering Information

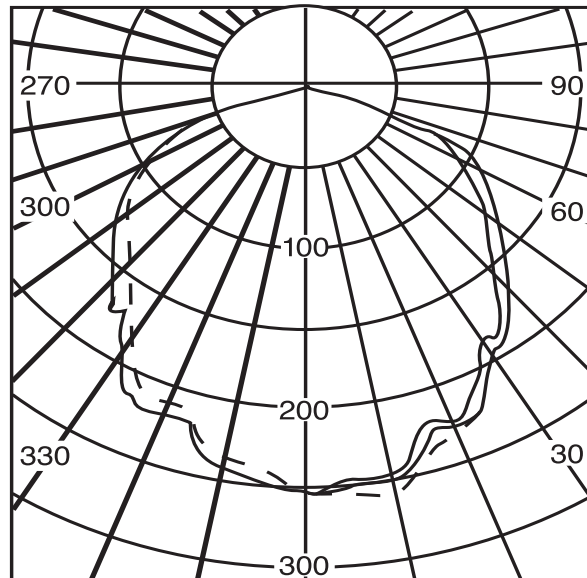
Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [PRISM-36W](#)

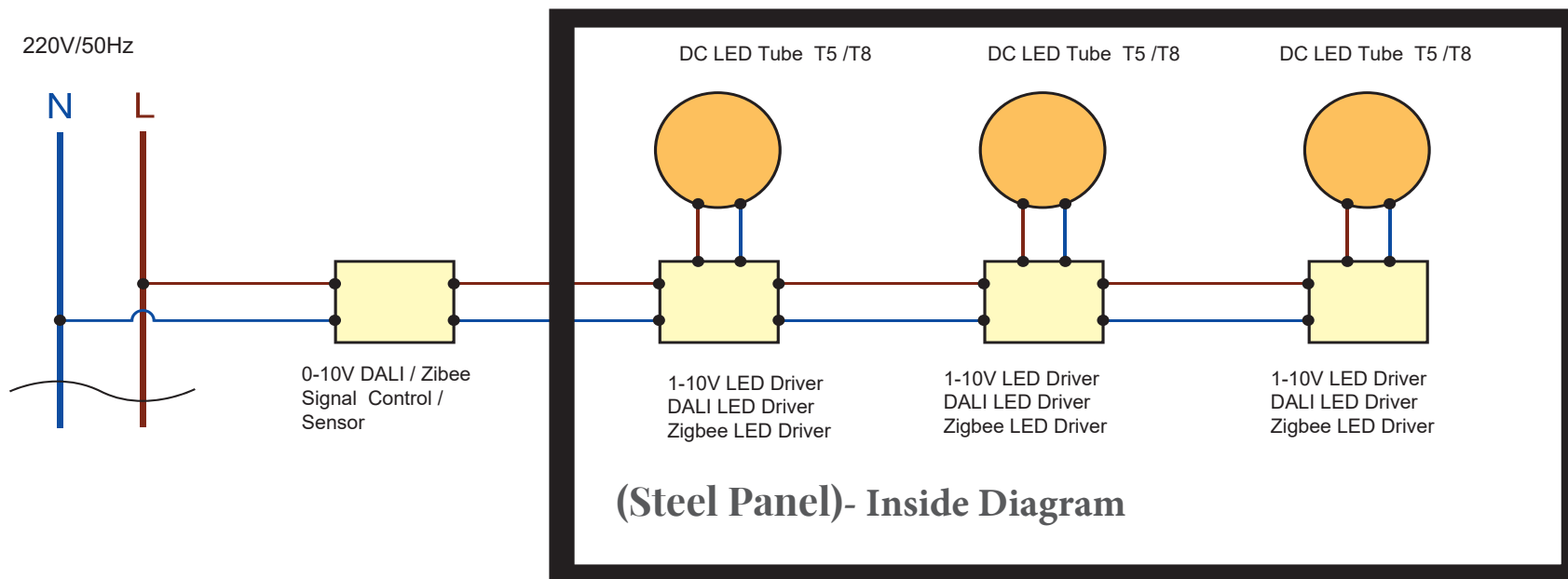
PRISM - -  
POWER

| POWER               |                                       |
|---------------------|---------------------------------------|
| Code                | Description                           |
| <a href="#">12W</a> | 2 x 2ft 6W LED T5 or T8 @ 598x598mm   |
| <a href="#">14W</a> | 2 x 2ft 7W LED T5 or T8 @ 598x598mm   |
| <a href="#">16W</a> | 2 x 2ft 8W LED T5 or T8 @ 598x598mm   |
| <a href="#">18W</a> | 2 x 2ft 9W LED T5 or T8 @ 598x598mm   |
| <a href="#">24W</a> | 3 x 2ft 8W LED T5 or T8 @ 598x598mm   |
| <a href="#">32W</a> | 4 x 2ft 8W LED T5 or T8 @ 598x598mm   |
| <a href="#">28W</a> | 2 x 4ft 14W LED T5 or T8 @ 298x1198mm |
| <a href="#">30W</a> | 2 x 4ft 15W LED T5 or T8 @ 298x1198mm |
| <a href="#">32W</a> | 2 x 4ft 16W LED T5 or T8 @ 298x1198mm |
| <a href="#">36W</a> | 2 x 4ft 18W LED T5 or T8 @ 598x1198mm |
| <a href="#">42W</a> | 3 x 4ft 14W LED T5 or T8 @ 598x1198mm |
| <a href="#">48W</a> | 3 x 4ft 16W LED T5 or T8 @ 598x1198mm |
| <a href="#">54W</a> | 3 x 4ft 18W LED T5 or T8 @ 598x1198mm |

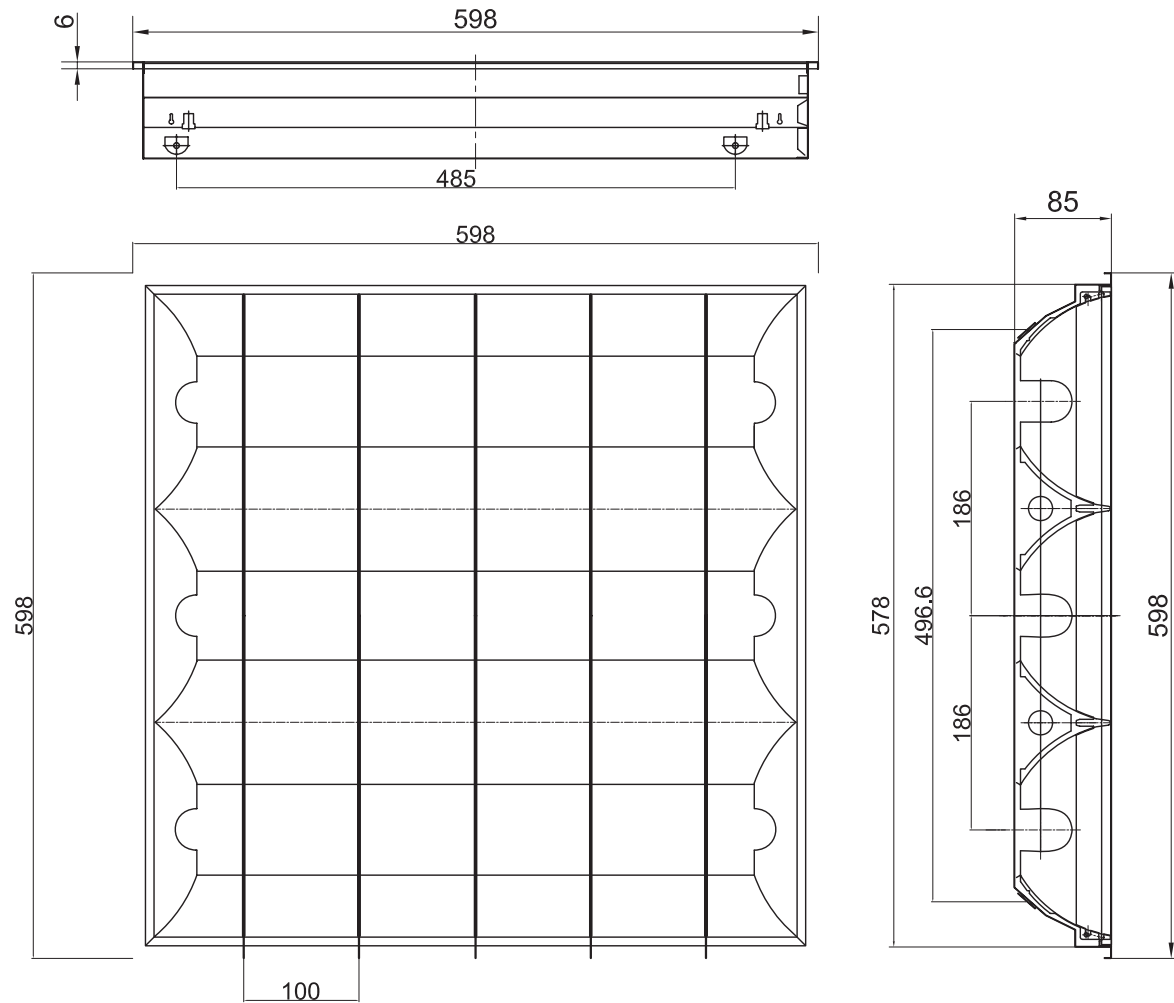
# Beam Angle



## 1-10v / Dali / Zibee dimming wiring diagram



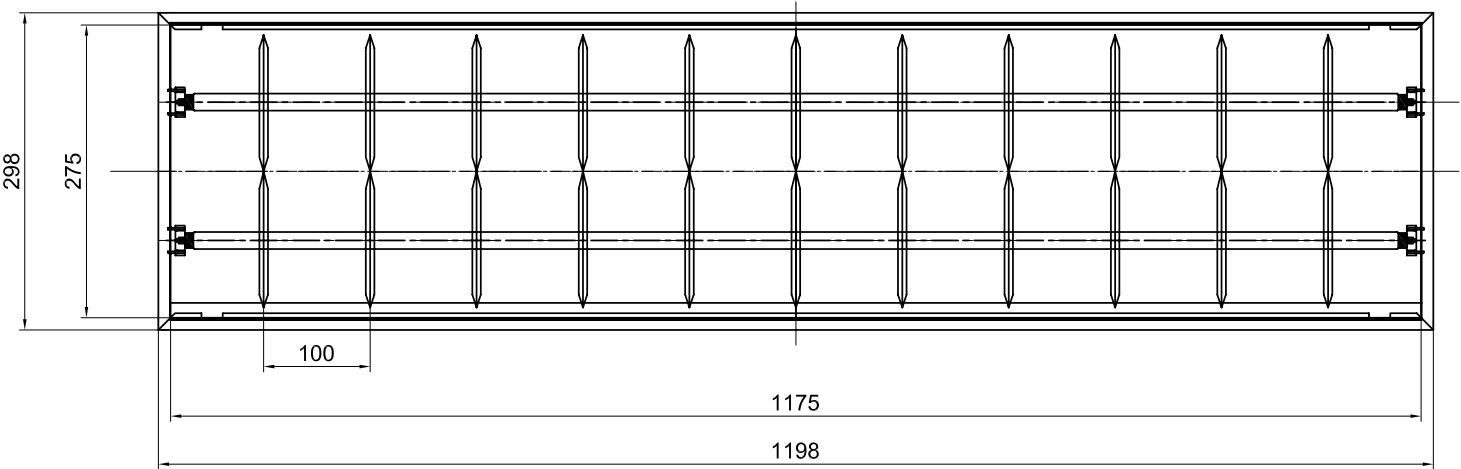
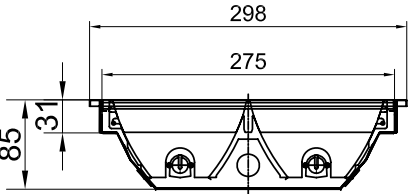
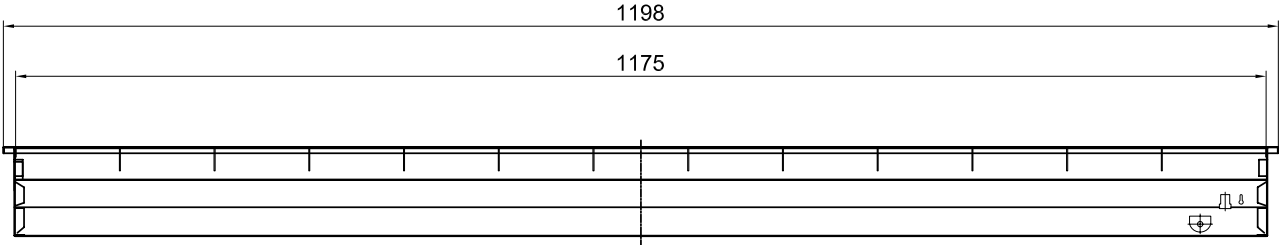
# Technical Drawing for LED T5



Cut-off: 580x580mm

Unit : mm

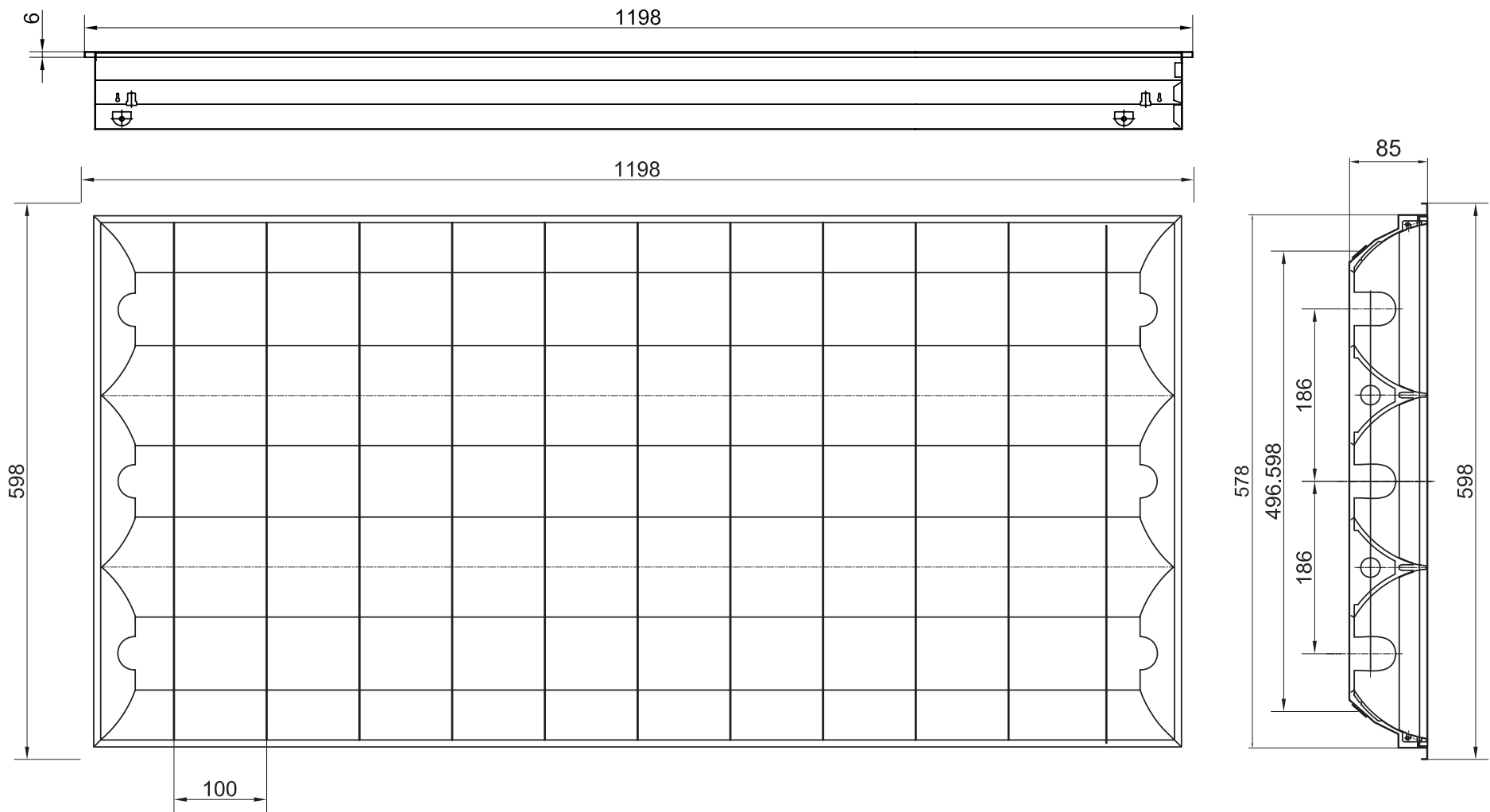
Technical Drawing for LED T5



Cut-off: 1180x280mm

Unit : mm

Technical Drawing for LED T5



Cut-off: 1180x580mm

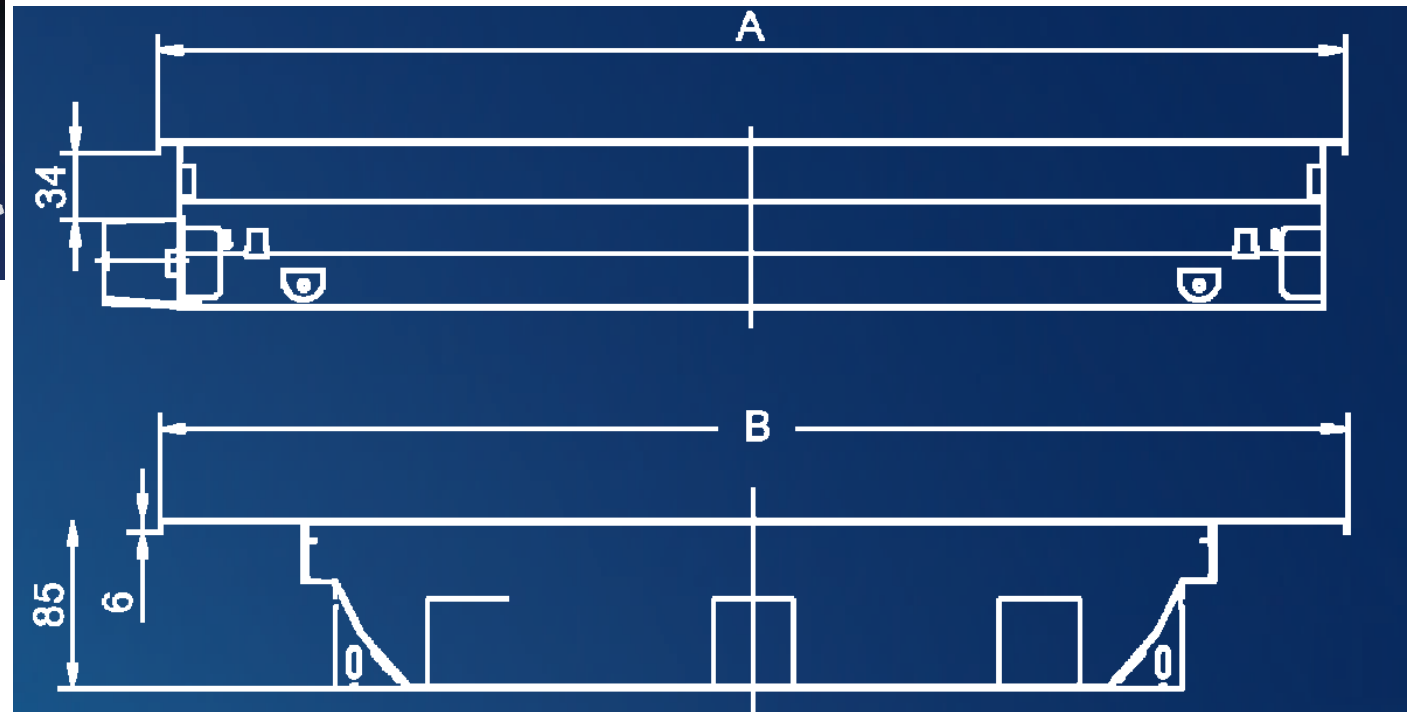
Unit : mm



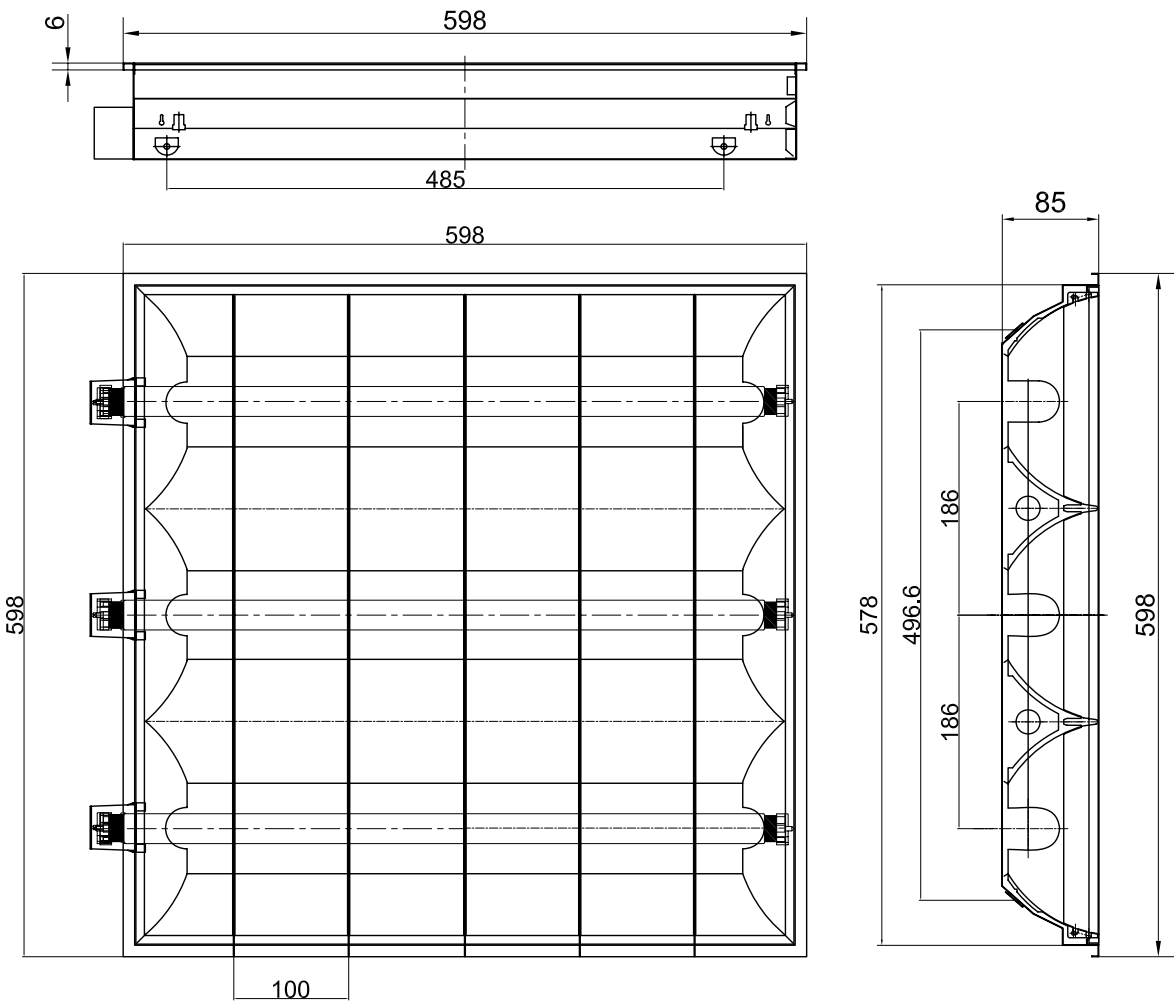
## Technical Drawing for Air-slot



| A<br>(mm) | B<br>(mm) | C<br>(mm) |
|-----------|-----------|-----------|
| 1195      | 595       | 85        |
| 1195      | 295       | 85        |
| 595       | 595       | 85        |



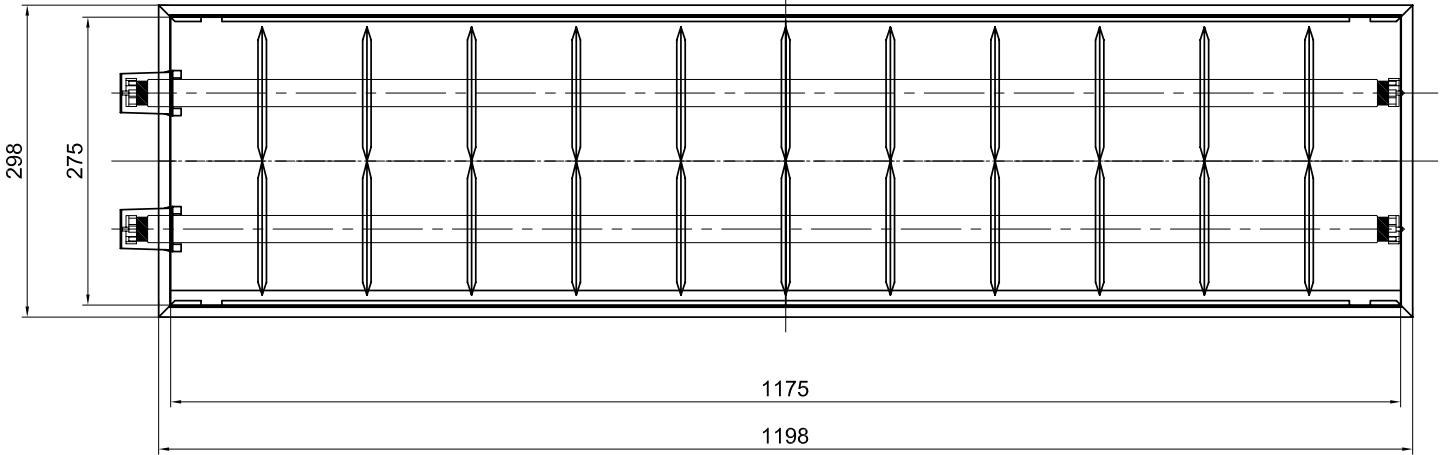
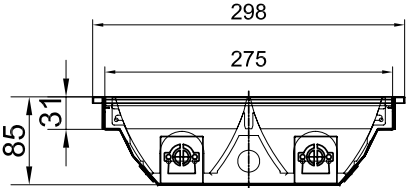
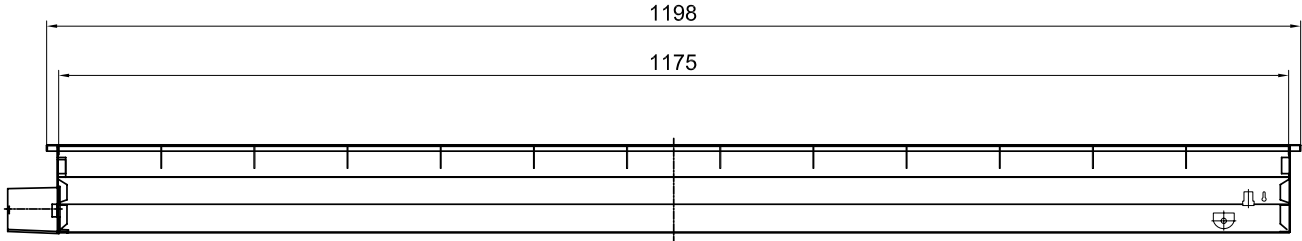
Technical Drawing for LED T8



Cut-off: 580x580mm

Unit : mm

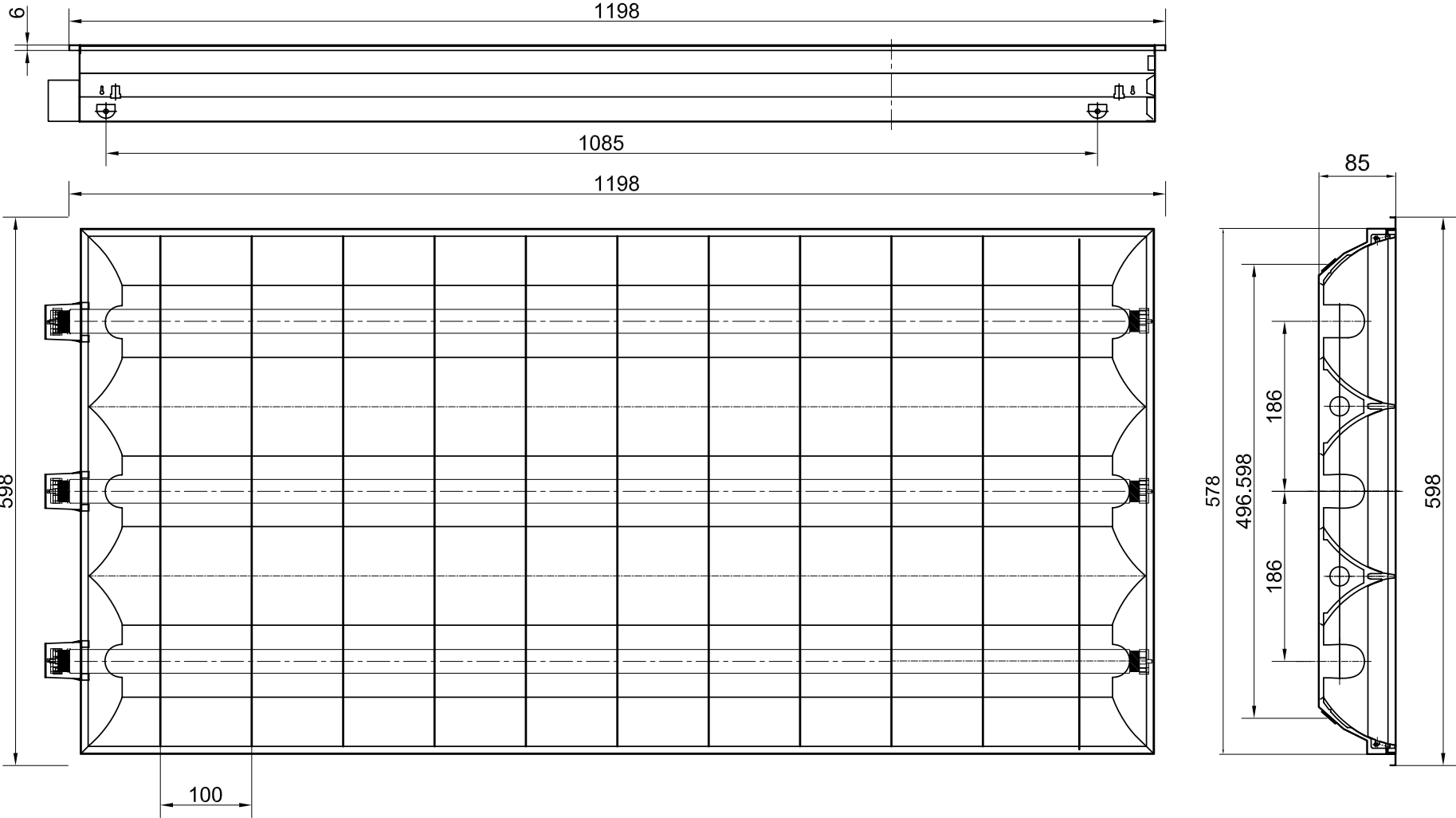
Technical Drawing for LED T8



Cut-off: 1180x280mm

Unit : mm

Technical Drawing for LED T8



Cut-off: 1180x580mm

Unit : mm