For direct lighting, the LED light source is installed facing downwards or towards the object being illuminated. The light is then directed downwards or in a specific direction, providing direct illumination.

For indirect lighting, the LED light source is installed facing upwards or towards a reflective surface, such as a ceiling or a wall. The light is then reflected off the surface and dispersed, providing a softer, more diffused illumination.

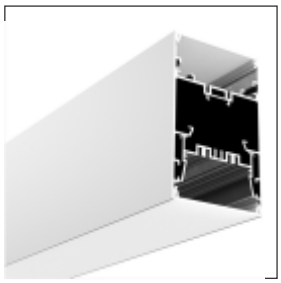
Aluminum profiles are often used to house LED light strips and provide a sturdy, lightweight structure for the lighting application. They can be designed with different shapes and sizes to accommodate different lighting needs and can be customized with additional features such as lenses, covers, and mounting options to enhance the lighting performance.

IEC 62717 LED-modules for general lighting – Performance requirements
IEC 62722-2-1 Particular requirements for LED luminaires

Body - Extruded aluminum with polycarbonate diffuser
Temperature - ta=20 °C ~ ta max=50 °C

FIELDS OF APPLICATION
Office & Education, offices, open-plan offices, conference rooms, conference rooms, reception areas, counters, galleries, hotels, restaurants, living spaces

Model --- P148



A - Length 3000 X 80 X 77 H

Default Available

P148-ALU-A

Product Assistant Chart

P148XXXXX

- Size — A [ ]
- Driver — 0 On/Off, 1 Dali, 2 Dimmable, 3 Phase Dimming, 4 1-10 [ ]
- Beam Angle — 110° [ ]
- Kelvin — 30 3000K, 40 4000K, 60 6000K [ ]
- Finishing — ALU / ALU [ ]
- Wattage [ ]

Lighting Customization Solution offer the wide range of customized product with best available options.

IP 44 / 54 / 65 **ALUMINUM**

LED life time			Operating time 1.000 h										
Lamp Lumen Maintenance Factor			1	10	20	30	40	50	60	70	80	90	100
Lamp Survival Factor			1	1	1	1	1	1	1	1	0.99	0.99	0.99
L80	50.000 h	LLMF	1	0.96	0.92	0.88	0.84	0.80	0.76	0.72	0.68	0.64	0.60
		LSF	1	1	1	1	1	1	0.99	0.99	0.99	0.99	0.98
L80	100.000 h	LLMF	1	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99	0.99

A++ ENERGY LEVEL | LED | CRI>90 | series wiring | RoHS COMPLIANT | CIDET | LM-80 | FLICKER FREE