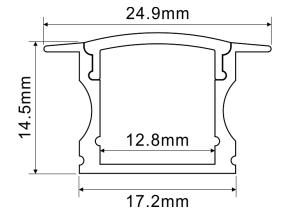
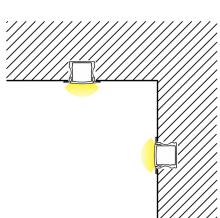
light[•]

XD 2515R





- 6063 anodised aluminium LED profile 2500mm
- Opal PC diffuser with 91.09% light emittance
- Sold in kits of 20 with 20 x open end cap, 20 x closed end cap, 60 x stainless steel clip
- Also sold as single pieces with 3 x clip and 2 x end cap pair
- Available in a large range of LED strip options

XD 2515R

Aluminum 6063-T5

	Component	Wt. %	Component	Wt.	% Compone	nt Wt. %	
	AI	Max 97.5	Mg	0.45 - 0.	9 Si	0.2 - 0.6	
0	Dr	Max 0.1	Mn	Max 0.	1 Ti	Max 0.1	
0	Cu	Max 0.1	Other, each	Max 0.0	5 Zn	Max 0.1	
F	e	Max 0.35	Other, total	Max 0.1	5		
Physical Properties		Metric	Engl	lish			Comments
Density		2.7 g/cc	0.0975 lb	o/inª			AA; Typica
Mechanical Propertie	S						
Hardness, Brinell		60		60		AA; Typical; 5	00 g load; 10 mm bal
Ultimate Tensile Stren	gth	186 MPa	27000	psi			AA; Typica
ensile Yield Strength		145 MPa	21000	psi			AA; Typica
Elongation at Break		12 %	1:	2 %	AA;	Typical; 1/16 ir	n. (1.6 mm) Thickness
Modulus of Elasticity		<u>68.9 GPa</u>	10000) ksi			ion and compression. % greater than tensile modulus
Poisson's Ratio		0.33	C	.33			
Fatigue Strength		<u>68.9 MPa</u>	10000	psi	AA; 500,000,000 c		y reversed stress; RR re machine/specimer
Shear Modulus		25.8 GPa	3740) ksi			
Shear Strength		117 MPa	17000	psi			AA; Typica
Electrical Properties							
Electrical Resistivity	<u>3.16e-00</u>	06 ohm-cm	3.49e-006 ohm	-cm			AA; Typical at 68°F
Thermal Properties							
CTE, linear 68°F	<u>23.</u>	4 µm/m-°C	13 µin/ir	n-°F	AA; T	ypical; Average	over 68-212°F range
CTE, linear 250°C	25.	6 µm/m-°C	14.2 µin/ir	n-°F		Average over	er the range 20-300°C
Heat Capacity		0.9 J/g-°C	0.215 BTU/lt	⊳-°F			
Thermal Conductivity	1	209 W/m-K	1450 BTU-in/hr-ft	²-°F			AA; Typical at 77°F
Melting Point	61	16 - 654 °C	1140 - 1210)°E	AA: Typical ra	ande based on t	voical composition fo

CTE, linear 68°F	23.4 µm/m-°C	13 µin/in-°F	AA; Typical; Average over 68-212°F range.
CTE, linear 250°C	25.6 µm/m-°C	14.2 µin/in-°F	Average over the range 20-300°C
Heat Capacity	<u>0.9 J/g-°C</u>	0.215 BTU/lb-°F	
Thermal Conductivity	209 W/m-K	1450 BTU-in/hr-ft ² -°F	AA; Typical at 77°F
Melting Point	616 - 654 °C	1140 - 1210 °F	AA; Typical range based on typical composition for wrought products 1/4 inch thickness or greater
Solidus	<u>616 °C</u>	1140 °F	AA; Typical
Liquidus	<u>654 °C</u>	1210 °F	AA; Typical
Processing Properties			
Annealing Temperature	<u>413 °C</u>	775 °F	hold at temperature for 2 to 3 hr; cool at 50 °F per hour

3 - 1			from 775 to 500 °F
Solution Temperature	<u>521 °C</u>	970 °F	
Aging Temperature	<u>182 °C</u>	360 °F	hold at temperature for 1 hr

light



Polycarbonate (PC), pellets

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- (f1) Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (f2) Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.
- (z) Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)
- + Material designations may be followed by a six digit numerical code denoting color.

Flammability	Value	Test Method
Flame Rating		
1.50 mm, ALL	HB	UL 94
3.00 mm, ALL	HB	UL 94
6.00 mm, ALL	HB	UL 94
0.750 to 1.40 mm, ALL	V-2	UL 94 IEC 60695-11-10, -20
3.00 mm, ALL	HB40	IEC 60695-11-10, -20
6.00 mm, ALL	HB40	IEC 60695-11-10, -20
1.50 mm, ALL	HB75	IEC 60695-11-10, -20
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.50 mm	PLC 3	
3.00 mm	PLC 2	
6.00 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
1.50 mm	PLC 0	
3.00 mm	PLC 0	
6.00 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 2	UL 746
Dielectric Strength	23 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746
Volume Resistivity	1.0E+16 ohms-cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.50 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	
RTI Imp		UL 746
1.50 mm	115 °C	
3.00 mm	115 °C	
6.00 mm	115 °C	

Thermal	Value	Test Method
RTI Str		UL 746
1.50 mm	125 °C	
3.00 mm	125 °C	
6.00 mm	125 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042 ISO 2796
Outdoor Suitability	f2, f1	UL 746C