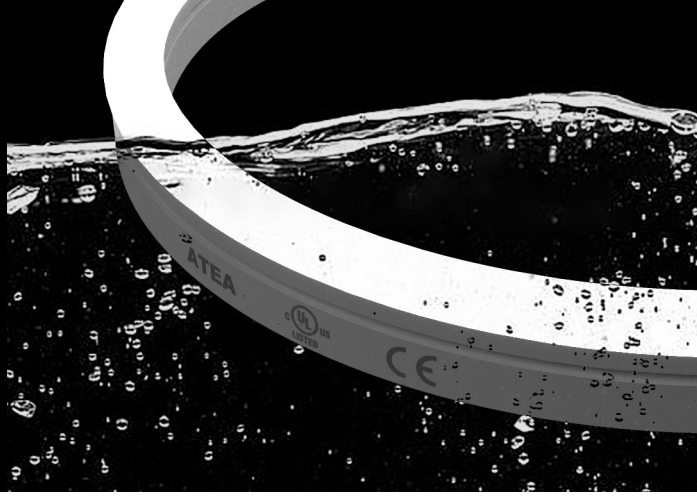
NEO SIDE POOL

Flexible LED Light Line, side bend, suitable for underwater pool

Ligne LED flexible, adaptée à l'immersion en piscine

A4568

One Bin Only | CRI 80 | IP68 IK10 | 6-15 w/m | 55.6 mm | UV resistant | 110° | LM80 36.000H | 24 VDC | 1.10V DALI DMX | CE | UL LISTED



Temperature de couleur CCT
2200K - 2700K - 3000K - 3500K - 4000K - 5700K | DW 2200K/5700K / 1800K/3000K | R / G / B / A | RGB | RGBW

Precision de couleur & IRC Color consistency & CRI
OneBinOnly | 80+ (CRI 90+ en option)

Puissance lumineuse & Angle ouverture Luminous output & Beam angle
(@4000K - 15w/m) 700 lm/m & 110°

Puissance Power
(RGB 12w/m | RGBW 15w/m) | W 6w/m | 9w/m | 12w/m | 15w/m

Coupe Cutting pace
(RGB / RGBW 83.3mm) | 55.6mm

Dimensions & Rayon courbure mini Dimensions & min. bending radius
10000 x 16 x 17 mm | > 300 mm

Indices de protection & normes Standards
IP68 - IK10 (PVC IK08) - LM80 - CE - UL Listed
Flame/UV/Solvent/Chlorine/Saltwater resistant

Tension alimentation & Classe isolation Input voltage & Class
24Vdc - class III

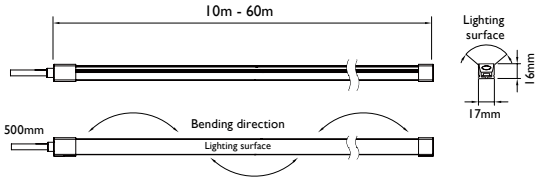
Température d'utilisation Ambient temperature
- 40°C / + 45°C

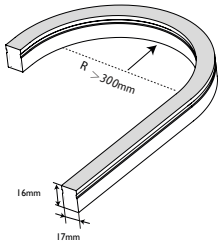
III | RoHS COMPLIANT | c UL us LISTED UL 676 Safety Approved | CE

Applicable

Fresh Water | Sea Water (Salinity≤4%) | Silicone cover (Chlorine≤2PPM) PVC cover (Chlorine≤5PPM) | Swimming pool (Ozone≤0.3PPM)

Type	Silicone Injection-moulded Connector	
IP Rating	IP68	
Alimentation	Single-end Feed	Double-end Feed
6w/m	30m	60m
9w/m	18m	36m
12w/m	15m	30m
15w/m	10m	20m





A4568.TRP
Plastic Rail
500-2000mm

A4568.TRP35
Plastic Clip
35mm

A4568.830.IP68.DALI

CCT & luminous flux

	6w/m	9w/m	12w/m	15w/m	
2200K	190 lm/m	285 lm/m	380 lm/m	500 lm/m	**822**
2700K	235 lm/m	350 lm/m	470 lm/m	600 lm/m	**827**
3000K	235 lm/m	350 lm/m	470 lm/m	600 lm/m	**830**
3500K	240 lm/m	360 lm/m	480 lm/m	700 lm/m	**835**
4000K	240 lm/m	360 lm/m	480 lm/m	700 lm/m	**840**
5700K	240 lm/m	360 lm/m	480 lm/m	700 lm/m	**857**
DW					**DW**
Red					**R**
Green					**G**
Blue					**B**
Amber					**A**
RGB					**RGB**
RGBW					**RGBW**

IP Rating

IP 68	**IP68**

Dimming

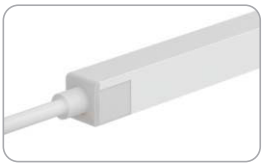
No dimming	**HF**
Dali	**DALI**
Dmx	**DMX**
Dimming 0/1 - 10VDC	**D10**
Phase dimming TRIAC	**PHA**

For more informations concerning fixations, see p.4

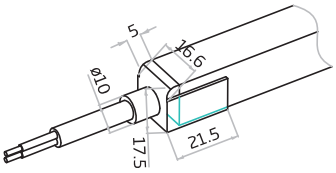
Dimension : mm

Note:
1. Unless otherwise stated, the tolerance of the connector is ± 0.5mm;
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

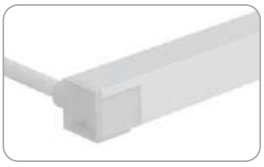
Silicone Injection-moulded Front Connector-End



Axis exit

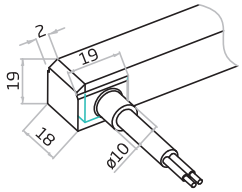


Silicone Injection-moulded Front Connector-Side



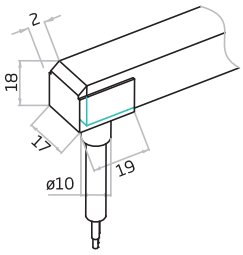
Side exit Left model

Side exit Right model



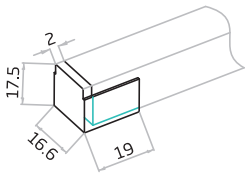
Silicone Injection-moulded Front Connector-Bottom

Bottom exit



Silicone Injection-moulded End Cap

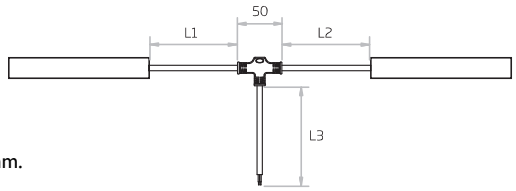
Endcap

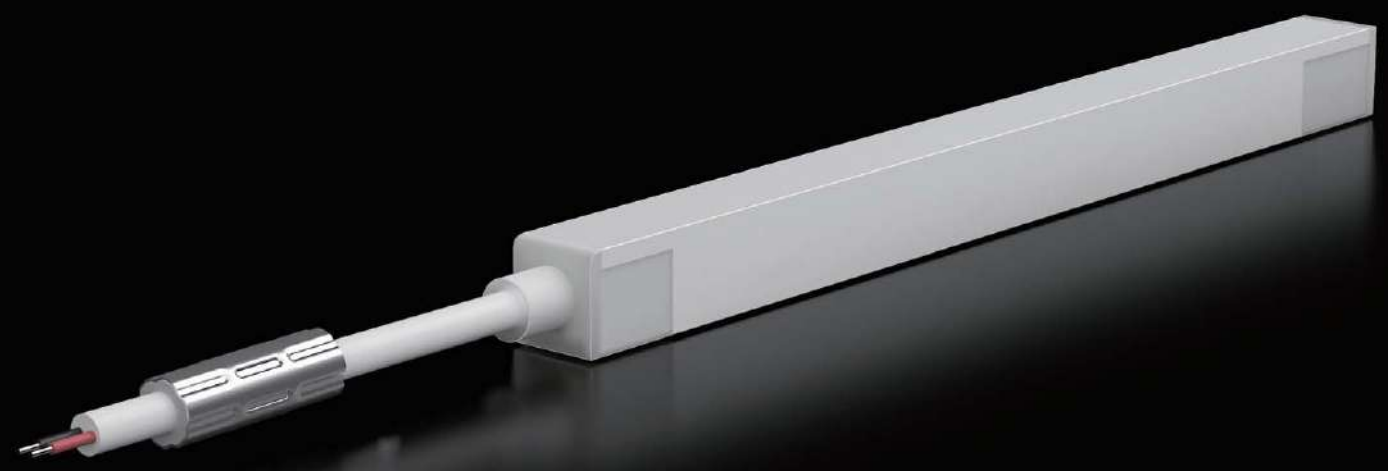


Silicone Injection-moulded Middle Connector & Power T-Feed

T-Feed connector

L1 and L2 available in 300mm.
L3 available in 300mm/1000mm/3000mm.





Recommended for :

1. Wet environments.
2. High-low temperature or intense humidity and UV.
3. Customised lengths.
4. Harsh working conditions or unexpected excessively external force during construction.

Feature

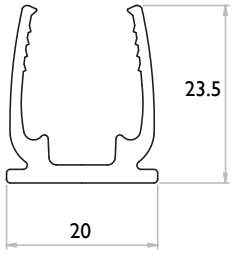
Precision milling and special glue Silicone liquid injection-moulded workmanship enable an almost consistent size between connectors and light body, and the transparent terminal of the connector allows the seamless effects spliced end by end.
DryWire™ technology applied on the cable eliminates the capillary phenomenon through wires, which secured the long-term reliability in outdoor or any wet environments. Light lengths can be customized on the basis of projects and pre-installation before the delivery eases the assembly trouble on site.

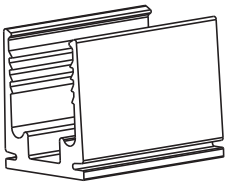
Plastic Profile

It uses thickened PC profile to 3mm thickness, specialized for underwater application up to 2m depth, and has excellent properties in rust, corrosion and fracture resistance.

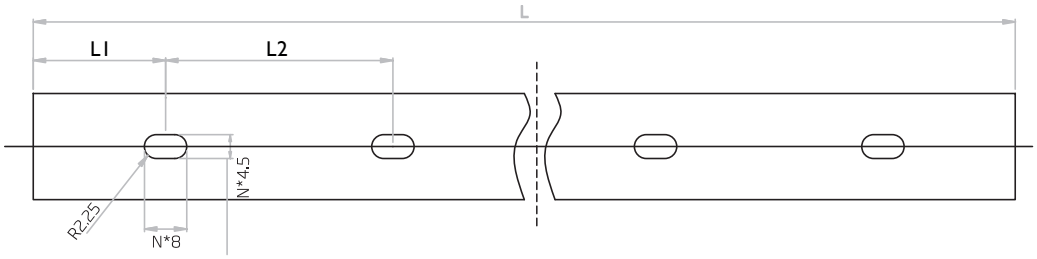
Please refer to the applicable installation ways.

Dimension : mm





Tolerance : ±0.5mm



Item Code	Standard Length	L1	L2	Slotted Hole	Hole Number
A4568.TRP35	35mm	17.5mm	/	4.5x8mm	1
A4568.TRP500	500mm	50mm	200mm	4.5x8mm	3
A4568.TRP1000	1000mm	100mm	200mm	4.5x8mm	5
A4568.TRP2000	2000mm	100mm	200mm	4.5x8mm	10

NEO SIDE POOL

Flexible LED Light Line, side bend, suitable for underwater pool

Ligne LED flexible, adaptée à l'immersion en piscine

A4568

One Bin Only | CRI 92 | IP68 IK08 | 6/10 w/m | 100 mm | UV resistant | 110° | LM80 36.000H | 24 VDC | 1.10V DALI DMX | CE | UL LISTED

Precautions à respecter

- Utilisez une alimentation isolée de 24V DC pour alimenter lle luminaire, et l'onde d'ondulation de la source de tension constante doit être inférieure à 5%. Il n'est pas permis d'utiliser un réducteur de tension RC ou une alimentation non isolée pour alimenter le luminaire.
- Dans les applications réelles, 10-15 % de l'alimentation doit être conservée (seulement 85-90 % de la puissance est utilisée) pour garantir qu'une tension suffisante est disponible pour alimenter le produit.
- Il faut faire attention à la sécurité du fonctionnement. Après la mise sous tension, il n'est pas permis de toucher l'alimentation 230vac pour éviter un choc électrique.
- L'attention doit être portée sur les pôles positifs et négatifs des fils pendant l'installation et sur la conformité de l'alimentation électrique aux tensions requises pour éviter les dommages.
- Évitez de rayer, de déformer et de plier irrégulièrement le produit pendant l'installation, sous peine d'endommager irrémédiablement le produit.
- Veuillez ne pas plier la bande en arc de cercle d'un diamètre inférieur à 80mm pour assurer la longévité et la fiabilité, un diamètre de pliage trop petit endommagera le produit lui-même.
- Si la longueur réelle de l'application dépasse la longueur d'utilisation spécifiée, cela entraînera une surchauffe et une luminosité inégale.
- Pour ne pas abîmer les yeux, évitez de fixer le côté lumineux de la bande LED pendant une longue période.
- L'installation, le démontage et la réparation du produit sont interdits aux non-professionnels.
- N'utilisez pas d'adhésif acide ou alcalin pour fixer les produits (y compris le ciment de verre, etc.).
- Ne pas mettre sur le produit de marquage à l'encre car celle ci peut se diffuser dans le silicone du luminaire.
- Le produit convient à une utilisation dans les piscines et les fontaines.
- Veuillez confirmer avant l'utilisation car les produits de tailles variées présentent de légères différences dans leur couleur sous une même température de couleur en raison de leurs différences structurelles.
- **Les produits de protection IP68 ne doivent PAS être coupés, une machine spéciale est nécessaire pour assurer ce niveau de protection d'étanchéité.**
- Concernant les protections IP65 ou IP67 le degré d'imperméabilité peut se dégrader en cas de découpe ou de modification sur le produit.
- Manuel d'installation : https://atea.fr/NEO.manual.pdf

Precautions

- Use a 24V DC isolated power supply to drive the neon lamp strip and the ripple wave of constant voltage source shall be less than 5%. It is not allowed to use RC voltage reduction or non-isolated power supply to drive the neon lamp strip.
- In actual applications, 10-15% of the power supply shall be kept (only 85-90% of the power is used) to guarantee that sufficient voltage is available to drive the product. Attention shall be paid to safe operation. After powering on, it is not allowed to touch the AC power supply to avoid an electric shock.
  Attention shall be paid to the positive and negative poles of the wires during installation and whether the power supply conforms to required voltages to avoid damages.
- Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product. Please do not bend the strip into an arc with a diameter less than 80mm to ensure the longevity and reliability, A bending diameter too small will damage the product itself.
- If the actual length of application exceeds the specified using length, it will lead to overload heating and uneven brightness. To keep the eyes from being harmed, try to avoid staring at the glowing side of the LED strip for a long time.
- Non-professionals are prohibited from installing, disassembling and repairing the product.
- Do not use any acid or alkaline adhesive to fix products (including not limited to glass cement, etc.)
- Do not put ink on the marking product as it may diffuse into the silicone of the luminaire.
- Product suitable for use in swimming pools and fountains.
- Please confirmed before usage as products of varied sizes show slight differences in their color under same color temperature due to their structural differences.
- **IP68 protection products MUST NOT be cut; a special machine is required to ensure this level of watertight protection.**
- When IP65 or IP67 protective products are installed and applied, the waterproofing grade should be degraded after self-processing and cutting.
- Installation Guidance : https://atea.fr/NEO.manual.pdf

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