

XERO  
TECHNOLOGY  
INFRASTRUCTURE **XTI**

# XTI | 2.0 Slot IK 10+ | IP66

metric 60mm Wide x 100mm High

imperial 2.755" Wide x 3.937" High



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# The industry's best profiles

Xero Linear Lighting Systems introduce the Xero Technology Infrastructure (XTI) series. XTI brings together the best available technology for any linear lighting system specifically designed for the infrastructure segment.

The XTI series uses Xero's exclusive boards and drivers - 'Xeramix 1' with an industry leading 10 year warranty that has unmatched colour quality throughout life includes combined HE / HO board with 114k hour life to L90 B10. Optional 'Xeramix R' available with 15 year warranty, 1M hours at L70 B10.

All XTI profiles are incrementally length adjustable by 25mm increments.

UL / CE / AUS/NZS standards approved Universal 120-277v input, site selectable drive current for variable output 'on-the-fly'. Partner this with the high end details such as no visible face fixings, white optic louvres and dot free diffusion options and excellent thermal tolerance. All systems can be supplied with Polycarbonate that allows IK10 impact kinetic rating and vandal proof fasteners.

XERO is truly linear lighting redesigned.



# higher performance longer life

The XT1 | 2.0 IP66 IK10+ Xero Linear Lighting System brings high-quality dot free illumination to exterior and infrastructure environments. Featuring the latest generation of LED technology, The XT1 | 2.0 IP66 IK10+ is the perfect choice for rail, industrial and public spaces that require IP66 weather protection.

Xeramix LED light engines are LED boards that utilise ceramic based LED chips that provide outstanding light quality over the LIFE of the boards. The LED light engines have 114,000 hour life to L90 B10 @ 50°C. This performance is unmatched. For more information on the Xeramix LED light engines and the difference between plastic and ceramic LED's please visit [xeramix.com](http://xeramix.com)

Xero Linear Lighting Systems extends an (industry leading) full 10 year warranty using Xeramix I light engines to the original purchaser for the XT1 series of profiles.

For more information on warranty visit [www.xerolighting.com/warranty](http://www.xerolighting.com/warranty)

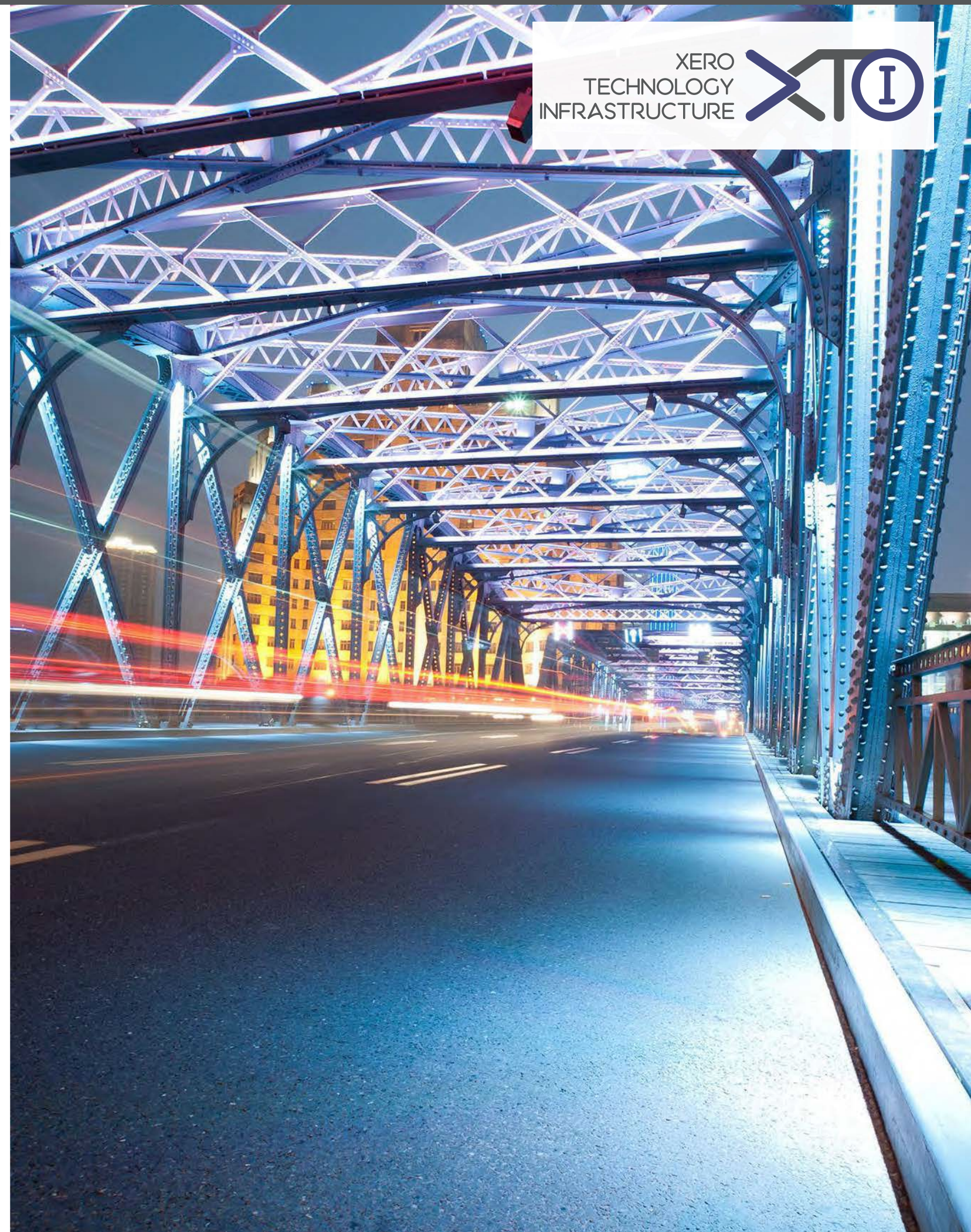


Xero Linear Lighting Systems also offer an optional 15 year warranty when using Xeramix R linear light engines to the original purchaser for the XT1 series of profiles.

For more information on this outstanding optional warranty visit

[www.xerolighting.com/warranty](http://www.xerolighting.com/warranty)

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LED technology has rapidly advanced over the last decade with criteria of quality & quantity of light, efficiency, life and cost. The XERAMIX™ philosophy is targeting performance well within nominal specification to create luminaires in a class of their own.



#### Multi configuration arrays

Xeramix light engines are available in 25mm, 100mm, 280mm and 560mm lengths. These lengths derive from Xero's linear fixture algorithm, resulting in the ability to manufacture any luminaire length within 1mm increments.



#### Industry First

Xero XTA and XTI profiles are all backed by an industry leading 10 year warranty

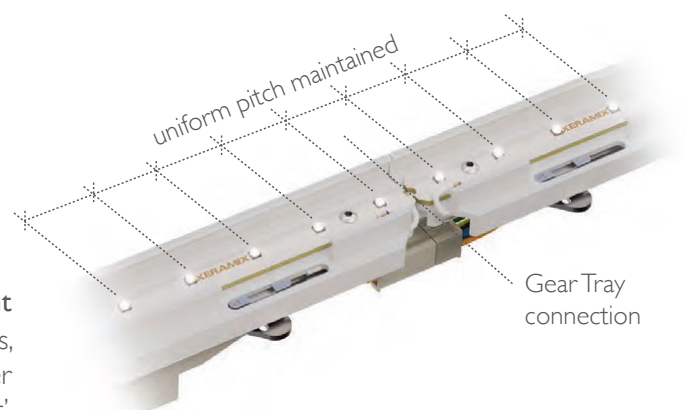
#### Drive current dipswitch

A simple switch configures the total luminaire wattage, lumen output and efficiency without the need to change components. Xeramix light engines have been engineered to support the broad range of drive currents.



#### Constant pitch, uniform light

LED pitch is maintained across multiple gear trays, creating a uniform 'dot free' appearance on the diffuser for a highly desirable, continuous 'ribbon of light'.



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## Xeramix R for redundancy and high reliability.

Luminaires commonly consist of two key components, a light determined by the failure of one or both components, typically it's source and electronic control gear (ECG). The luminaire lifetime is rated by the component with the shortest lifetime



Component Lifetime



The Xeramix Redundancy relay is a high reliability, fail safe device, that engages a backup LED driver when the primary unit fails. This simple solution can provide up to double the luminaire's life without maintenance offering an attractive value proposition for any commercial lighting project.



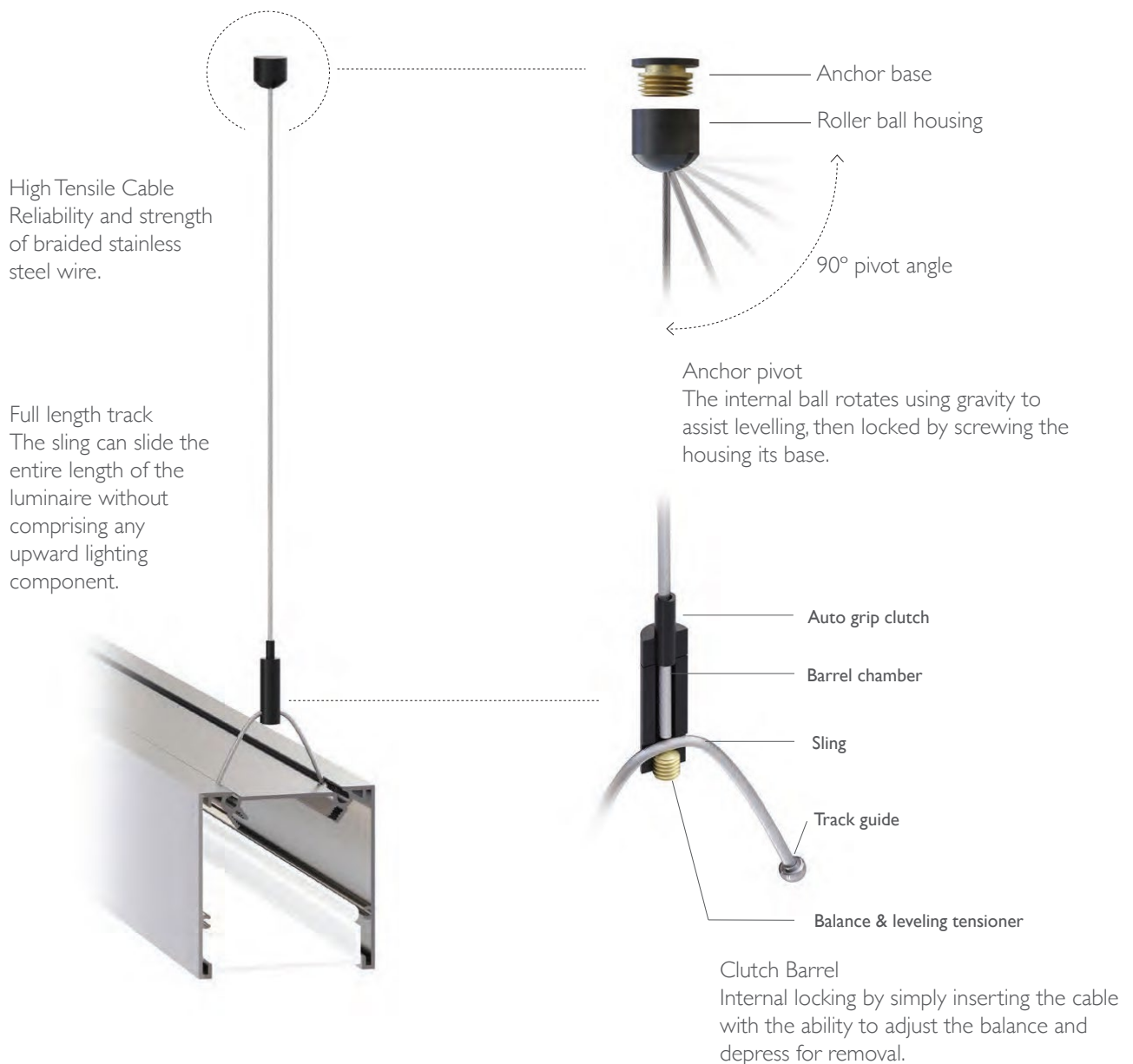
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# Rollerball Suspension™

The smart suspension system that can be mounted on any surface, whether a flat or sloped ceiling, or even a wall. Height adjustment is done at the luminaire for fine tuning close to the ground. The flexibility of luminaire location allows complete freedom of lighting design.

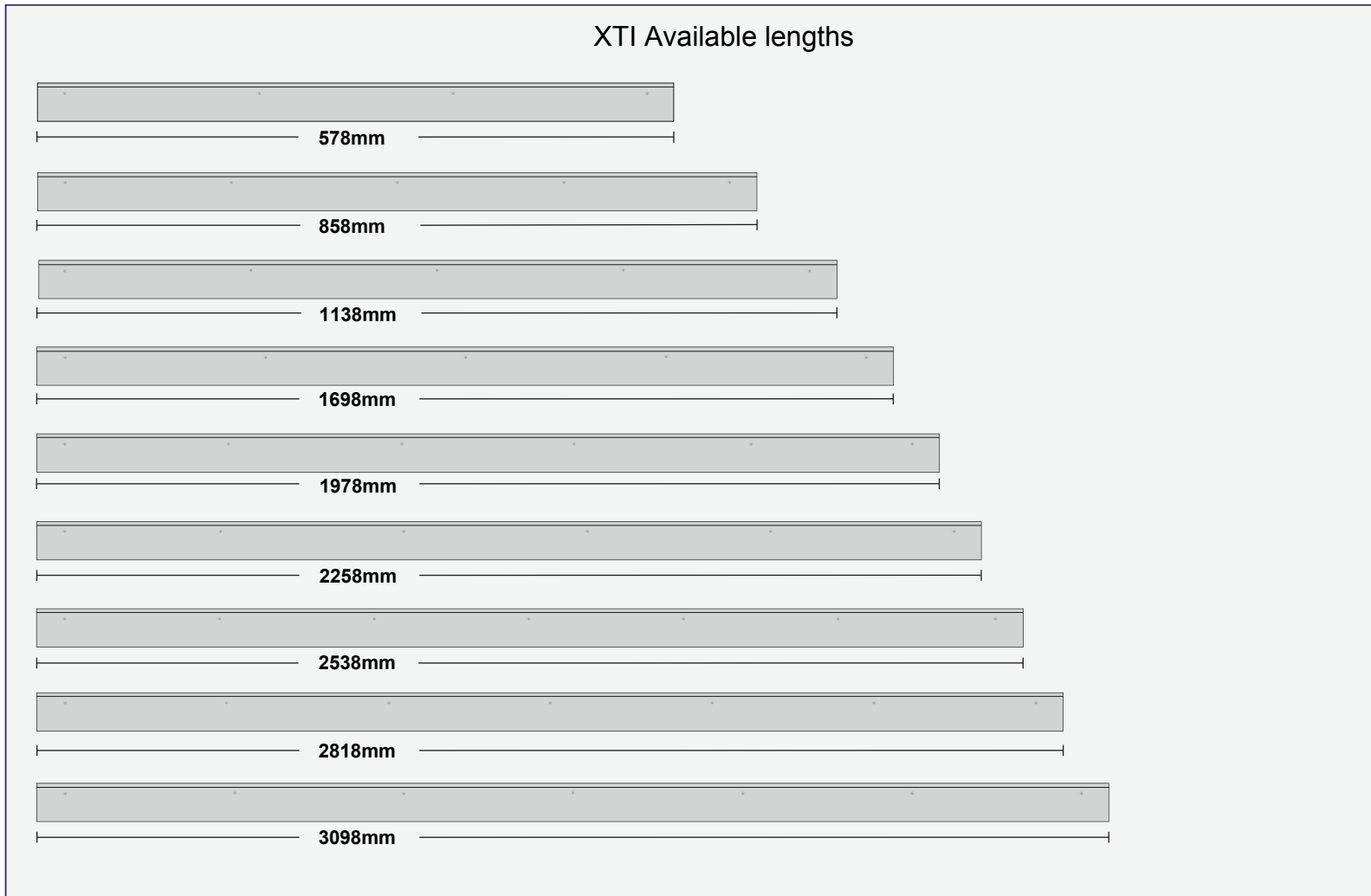


## DATA TABLE

| Output     | 4ft Length<br>1120mm                    | Luminous Flux<br>(Delivered Lumens) | LO<br>1900   | HO<br>3500 |  |
|------------|---|-------------------------------------|--|------------|--|
|            | CRI                                     |                                     | 80+  |            |  |
|            | Lumen Maintenance                       |                                     | 114,000 hours [L90 B10 @ 50°C] 1M hours [L70 B10 @ 50°C]   |            |  |
| Warranty   | Xeramix 1 10 years Xeramix R = 15 years |                                     |  |            |  |
| Electrical | Power Consumption                       |                                     | Between 20 and 45w/m   |            |  |
|            | Voltage input range                     |                                     | 120 – 277V   |            |  |
|            | Control methods                         |                                     | Dimming options for white light: 0-10V, DALI, DMX Optional RGB / Sunset Dimming control DMX or DALI XI           |            |  |
|            | Total harmonic distortion THD           |                                     | 9.8% max   |            |  |
|            | Approvals                               |                                     | UL / CE / CCC / AS:NZS / EMC   |            |  |
| Physical   | Dimensions                              |                                     | 60 X 100 mm  |            |  |
|            | Weight per metre                        |                                     | 3.9kg (8.6lbs) average weight  |            |  |
|            | Housing                                 |                                     | Aluminium Extrusion with anodised or powder coated finish  |            |  |
|            | Diffuser                                |                                     | Opaque Polycarbonate Diffuser / Clear Polycarbonate Diffuser / Parabolic Louvre                                  |            |  |
|            | Connections                             |                                     | Optional polarised electrical connection between sections  |            |  |
|            | Compatible ceiling type                 |                                     | Suitable for gyprock (drywall) ceilings, metal pan, concrete, timber and T-bar grid ceilings                     |            |  |
|            | Mounting                                |                                     | Field adjustable rollerball wire suspensions / rod suspensions / wall mounting / surface mount / custom Mounting |            |  |
|            | Joiner options                          |                                     | 90°/ Straight / 180°/ Custom   |            |  |
|            | Operating temperatures                  |                                     | -25°C to 50°C (-13°F to 140°F)   |            |  |
|            | Environment                             |                                     | IP66 (not in direct sunlight) (diffuser must not face upwards)   |            |  |
|            | Minimum length adjustment               |                                     | 25mm   |            |  |
|            | LED board types                         |                                     | Xeramix 1 and Xeramix R Boards and drivers in 25mm compatible / 100mm 280mm and 560mm Zhaga lengths              |            |  |
|            | IK rating                               |                                     | IK10+  |            |  |
|            | Vandal proof                            |                                     | Available with anti-vandal fasteners   |            |  |
|            | Optional extras                         |                                     | Lanyards / Emergency packs / Camera / Environmental plugs / Thermal throttle / IOT connectivity                  |            |  |



### XTI Available lengths



| DESCRIPTION                      | LENGTHS |     |      |      |      |      |      |      |      |      |      |
|----------------------------------|---------|-----|------|------|------|------|------|------|------|------|------|
| total luminaire length in mm     | 578     | 858 | 1138 | 1418 | 1698 | 1978 | 2258 | 2538 | 2818 | 3098 | 3378 |
| total luminaire length in inches | 23      | 34  | 45   | 56   | 67   | 78   | 89   | 99   | 111  | 122  | 133  |
| '560 board multiples             | 1.0     | 1.5 | 2.0  | 2.5  | 2.0  | 3.5  | 4.0  | 4.5  | 4.5  | 5.5  | 6.0  |



## EXAMPLE OF STANDARD LENGTH COMBINATION



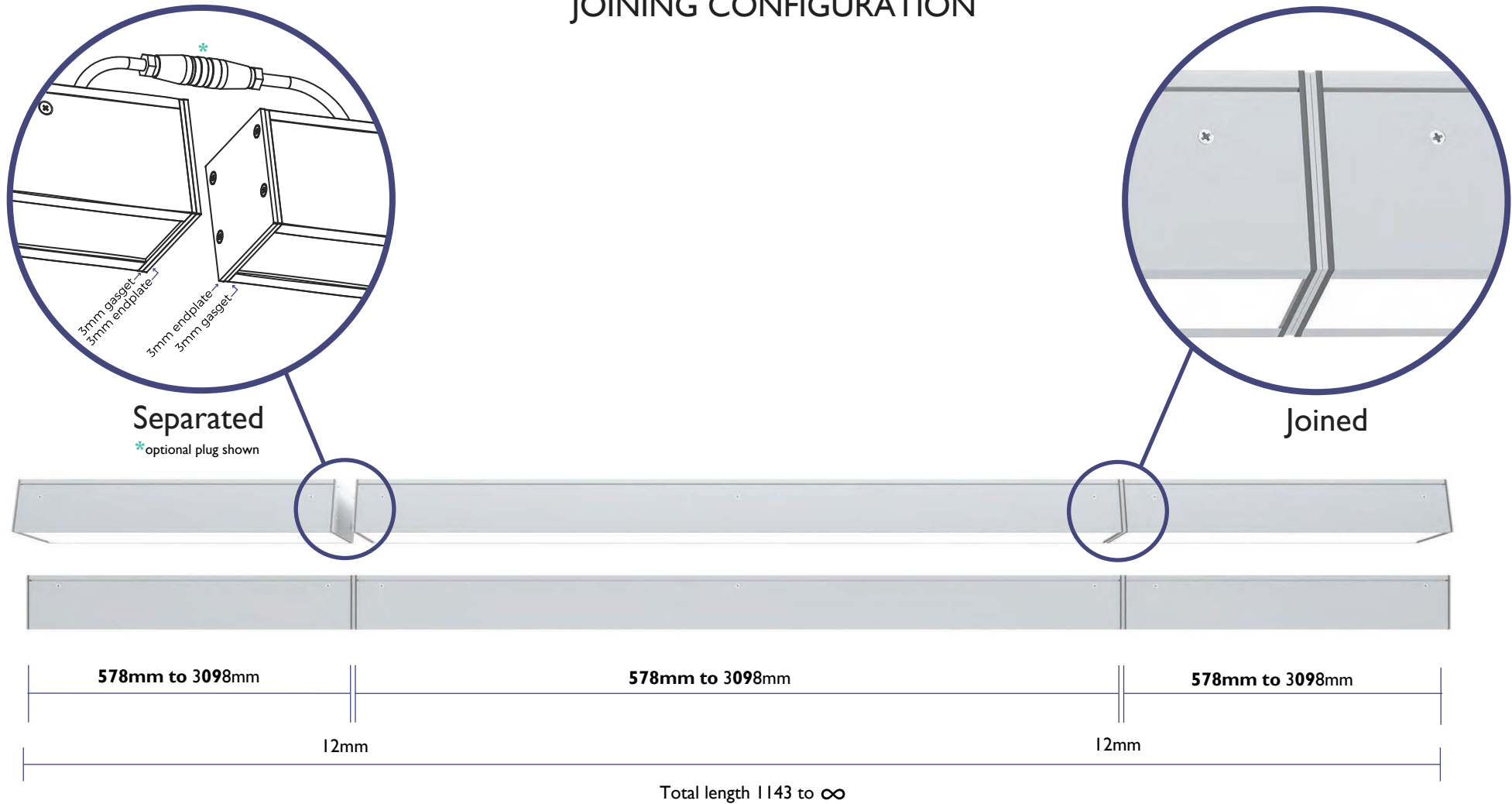
## CREATING LENGTHS WITH XTI | 2.0 Slot IP66 IK10+

The XTI | 2.0 IP66 IK10+ set lengths can be coupled together in any combination to achieve the desired length. Note: custom lengths are also available – please consult your local Xero office for information

## CUSTOM LENGTHS

Custom lengths are available in 0.984" (25mm) increments

## JOINING CONFIGURATION

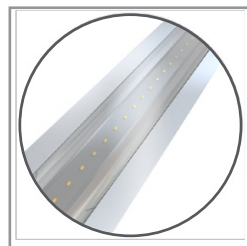


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# Optical control

XTI profiles come with many diffuser options for glare control in any application



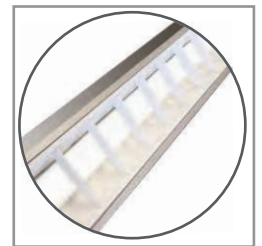
Clear Polycarbonate



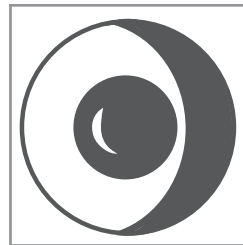
Opal Polycarbonate



Semi-specular Louvre



Optic white louvre



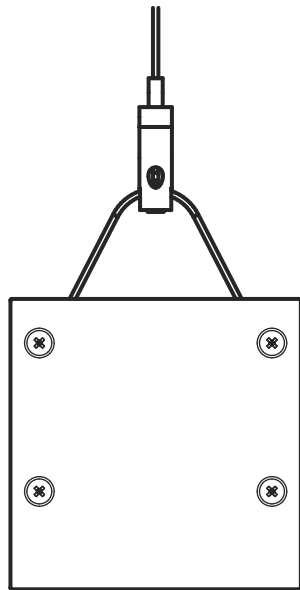
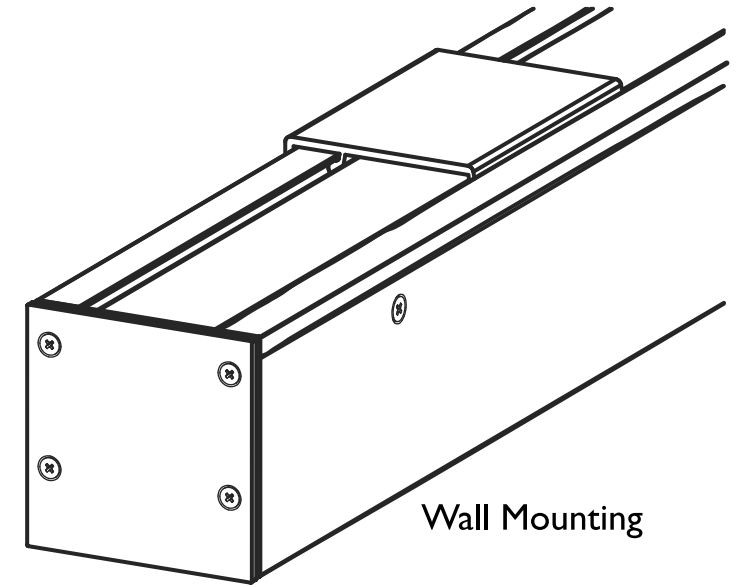
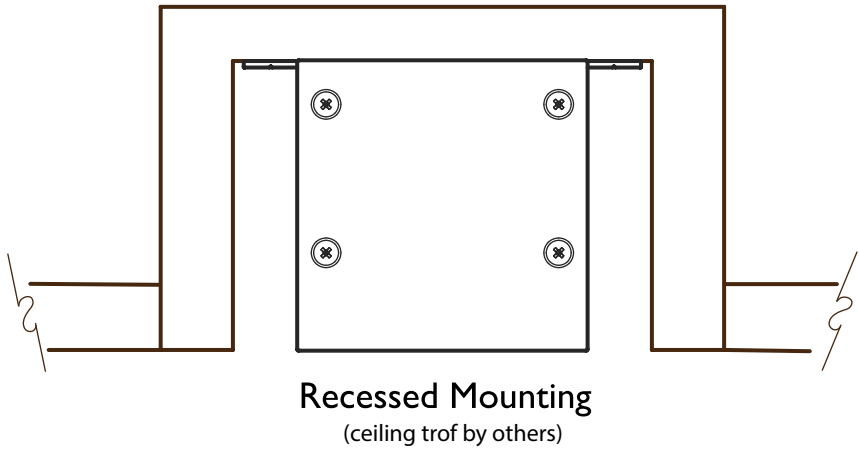
sensors / daylight harvesting



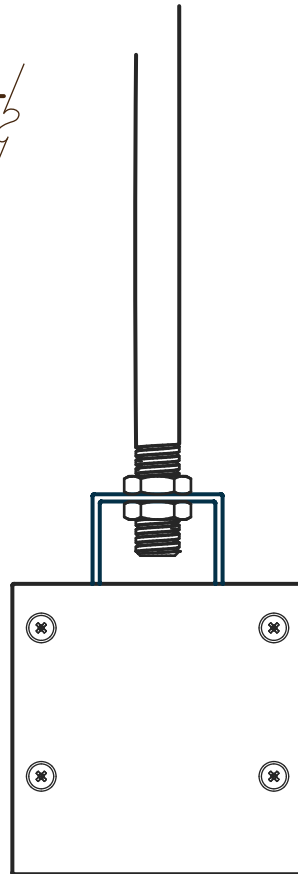
emergency packs



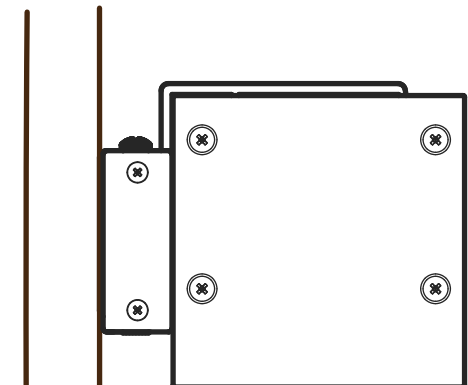
# MOUNTING



**Wire Suspension**



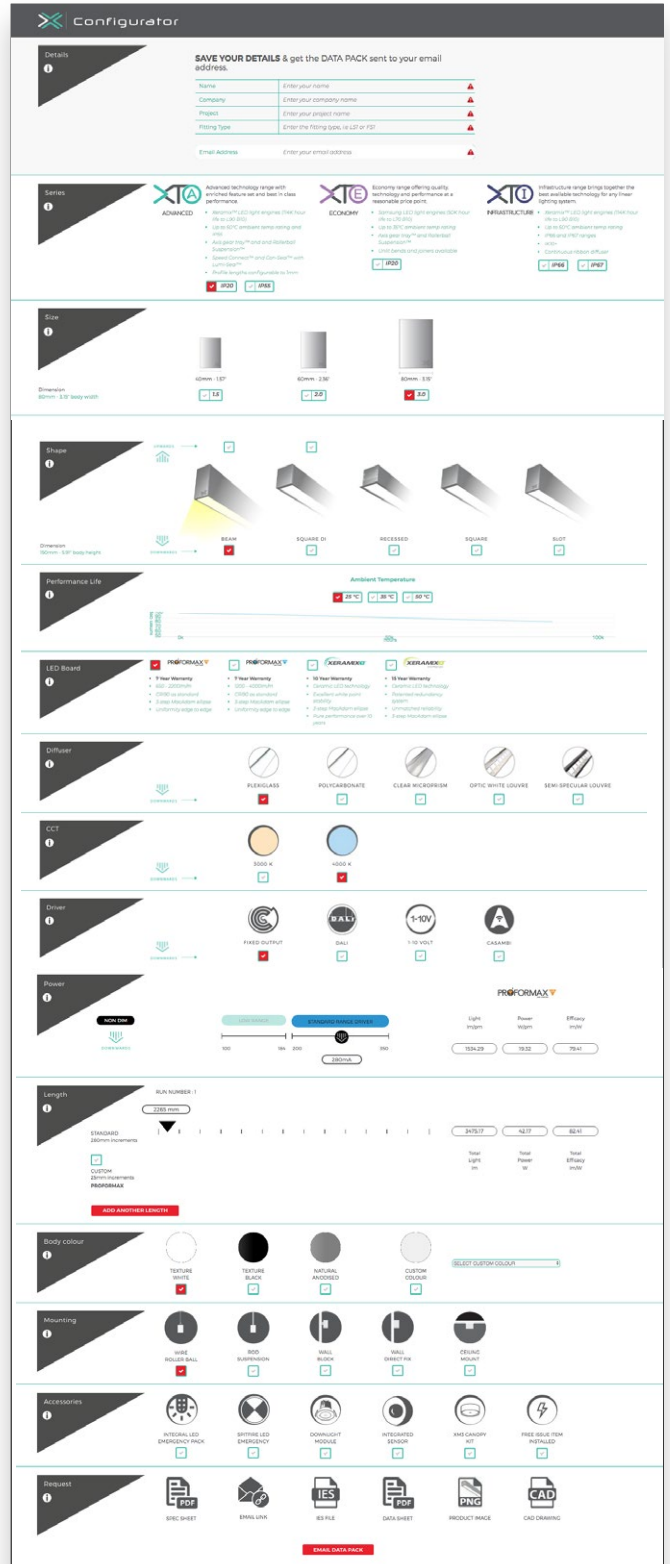
**Rod Suspension**



**Wall Mounting  
Side View**



The Xero Configurator allows you to design and build your customised lighting system. To ensure that your profile specifically caters to your project application follow the simple step by step build process to obtain your unique DNA code. Select your profile, choose your colour, length, gear tray, output, colour temperature, mounting requirement and choose from the selection of extras



The screenshot displays the X-Configurator interface with the following sections:

- Details:** Form for user information including Name, Company, Project, Mounting Type, and Email Address.
- Series:** Selection between XTA (Advanced), XTE (Economy), and XTO (Infrastructure).
- Size:** Selection of three different body widths (60mm, 80mm, 100mm).
- Shape:** Selection of five different lighting profiles: BEAM, SQUARE D1, RECESSED, SQUARE, and SLOT.
- Performance Life:** Graph showing ambient temperature range from 25°C to 40°C.
- LED Board:** Selection of different LED board technologies like REFORMAX, XERAMAX, and XERAMAX.
- Diffuser:** Selection of diffuser materials: FLECKGLASS, POLYCARBONATE, CLEAR MICROBREM, OPTIC WHITE GLASS, and SEMI-REFLECTIVE GLASS.
- CCT:** Selection of color temperature: 3000 K and 4000 K.
- Driver:** Selection of driver types: FIXED OUTPUT, DALI, 1-10V, and DALI/DMX.
- Power:** Selection of power output: 10W, 20W, 30W, 40W, 50W, 60W, 70W, 80W, 90W, 100W.
- Length:** Selection of length increments: STANDARD (200mm), CUSTOM (200mm), and PROFORMAX.
- Body colour:** Selection of body colors: TEXTURE WHITE, TEXTURE BLACK, NATURAL ANODISED, and CUSTOM COLOUR.
- Mounting:** Selection of mounting options: WIRE MOUNT, ROD SUSPENSION, WALL BRACKET, WALL DIRECT FIX, and CEILING MOUNT.
- Accessories:** Selection of accessories: INTEGRAL LED ENERGY PACK, BATTERY LED ENERGY, DOWNLIGHT MODULE, INTEGRATED SENSOR, HKS GANTRY KIT, and FREE SCALE FROM PROTOCAL.
- Request:** Selection of request types: SPEC SHEET, EMAIL LINK, IES FILE, DATA SHEET, PRODUCT IMAGE, and CAD DRAWING.

The X-Configurator can be accessed at <http://xconfigurator.xerolighting.com>

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