

LITE Prem

The Lite Prem channel supplied by Polycon boasts a range of exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem system has been designed and manufactured from High-Density Polyethylene (HDPE). This possesses a range of features and benefits, tailored for high-performance drainage systems and efficient water flow.

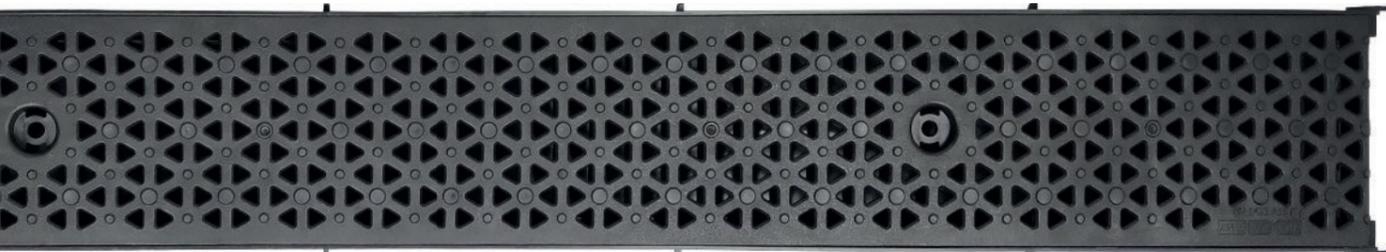
The Lite Prem's material properties mean that the system can withstand significant impacts and create a long-lasting life cycle without the need for aggressive maintenance. One of the standout features of the Lite Prem channel is its remarkable chemical resistance.

Whether it encounters aggressive chemicals or corrosive substances, this channel remains unfazed, maintaining its structural integrity and functionality.

Its smooth, waterproof surface enhances its versatility and ease of maintenance, preventing water from pooling in unwanted areas.

When it comes to efficient water management, the Lite Prem channel truly excels. Its quick water flow capability ensures rapid drainage, minimizing the risk of water pooling and related issues. Additionally, with a generous offering of 10+ gratings, users can customise their drainage solutions to suit specific needs, making it an ideal choice for various applications. Overall, the Lite Prem channel by Polycon is a reliable and versatile solution that combines lightweight convenience with exceptional performance.

*Conformity Manufactured in compliance with ISO 9001:2000
Certified in compliance with EN1433 Fully CE Certified with the
declaration of performance certificate.*



Load Classes



A15
1.5 tonnes



B125
12.5 tonnes



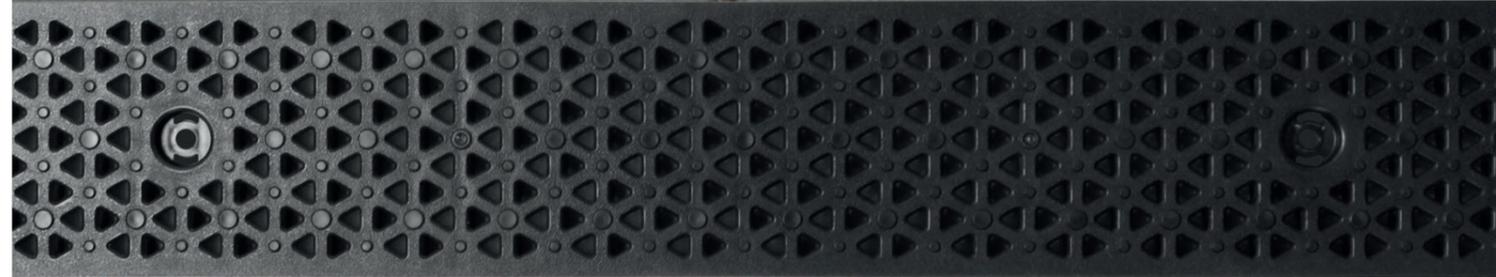
C250
25 tonnes

Applications

- Bus Terminals
- Landscaping Areas
- Pedestrian Areas
- Shopping Centres
- Car Parks
- Petrol Stations

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LITE Prem



VIRTUAL LANDSCAPE

Not sure what you are looking for? Check out our Pegasus systems against multiple paving backgrounds on our virtual landscape feature. You can mix and match gratings against multiple backgrounds to achieve the ultimate desired look. Each visual can be downloaded as a PDF and sent to customers along with a technical overview of your chosen system. Try today at www.polycon.co.uk.



LITE Prem - Overview

Material

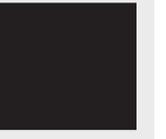
The Lite Prem is a lightweight plastic drainage channel. The material is both incredibly light and has a strong exterior. This helps to reduce labour expenses because little to no machinery is required for installation. It is a long-lasting option for urban projects, and because of its improved protection, water vapour cannot pass through it.

Outlet

The bottom outlet in the base of the channel allows for downward drainage into a 110mm sewer connection. Break the outlet in the marked area with a hammer and then insert the outlet in the channel fixing it with the four screws supplied.

Channel Colour Options

Black



Grating Options

There is an array of grating options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With over 10 diverse grating choices available, including stainless steel, composite, and ductile iron, customers can select the perfect material to match their project's needs. Stainless steel grating delivers a sleek, modern aesthetic and exceptional durability, making it ideal for environments requiring both style and strength. Composite grating offers a lightweight, cost-effective solution without compromising on performance. Meanwhile, ductile iron grating is known for its robustness and load-bearing capacity.



SAFEHEEL

Load Classes



A15



B125



C250

Depth Options



65mm



100mm



150mm

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LITE Prem - 65mm depth

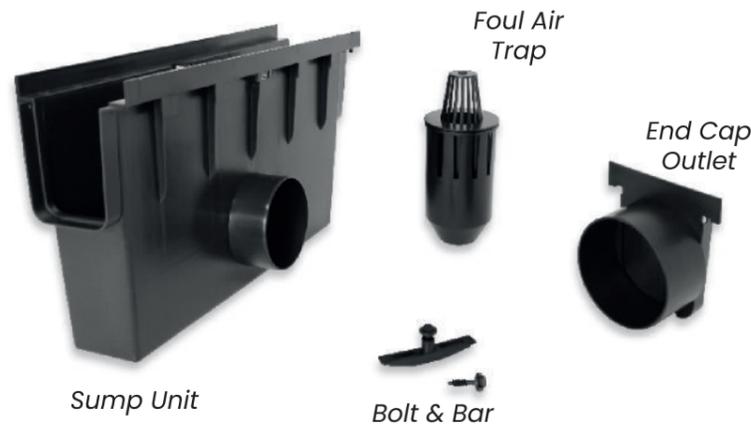
The Lite Prem is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Product Specs: Please see the diagram and table below for specific measurements on the Lite Prem 100 System *Note the diagram used in the example below is for the Lite Prem 100 - 65mm version.



Accessories

- End Cap Outlet
- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.

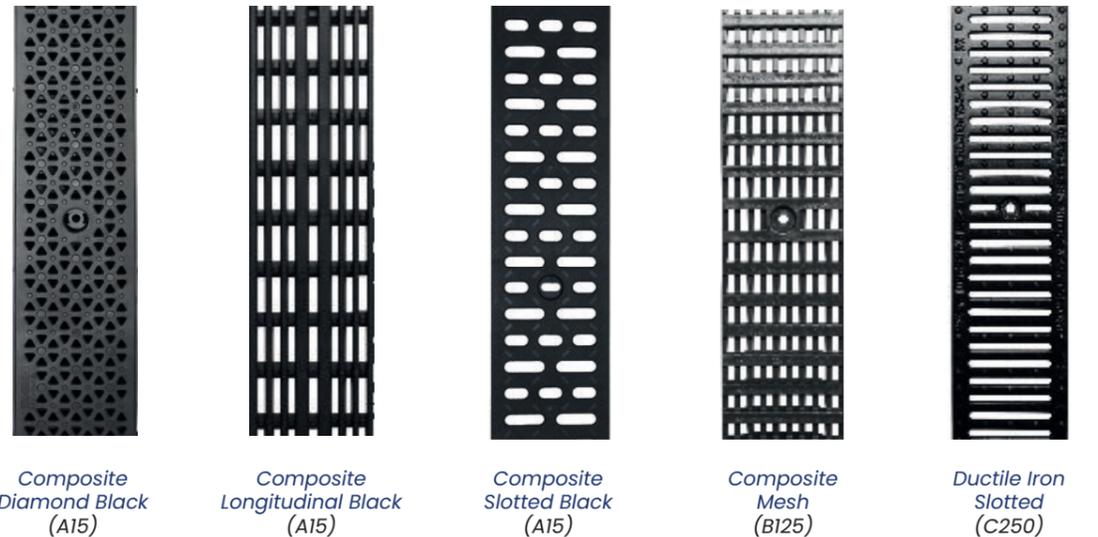
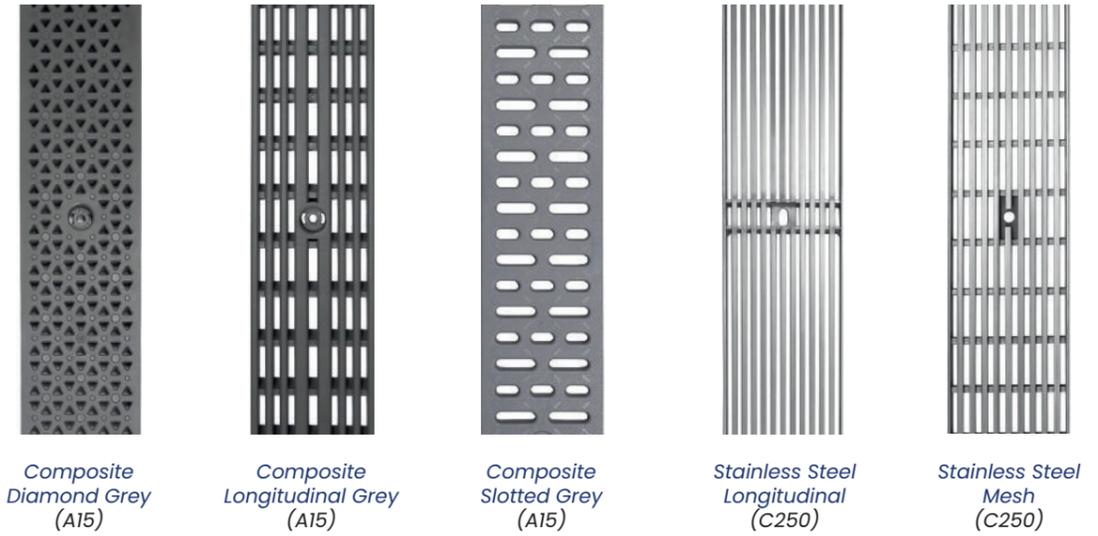
The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

| Reference | Height (mm) | Invert Height | Overall Width | Weight (KG) | Load Class | Outlet Inv. Height | Outlet |
|-----------------|-------------|---------------|---------------|-------------|------------|--------------------|--------|
| LITE.P.100.SUMP | 280 | 260 | 130 | 1.2 | A,B,C | 250 | 110 |
| LITE.P.100.EC | 150 | n/a | 130 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.O | 150 | n/a | 130 | 0.6 | A,B,C | n/a | 110 |
| LITE.P.100.FAT | 90 | n/a | 85 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.BB | 11 | n/a | 95 | 0.1 | A,B,C | n/a | 110 |

Grating Options - 65mm



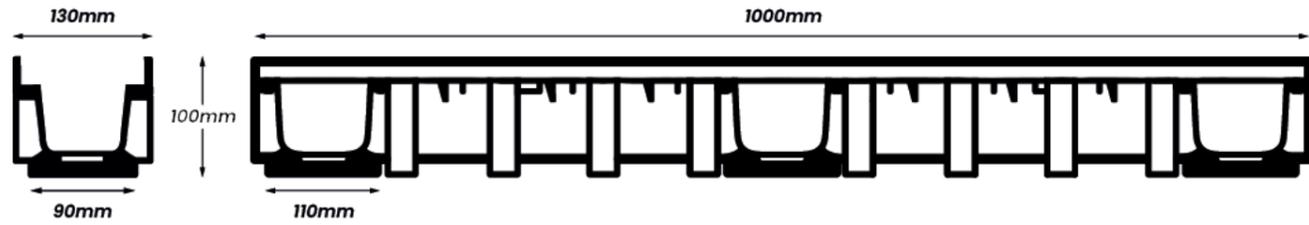
| Reference | Description | Length (mm) | Slot Width | Overall Width | Load Class | SafeHeel |
|--------------|------------------------------|-------------|------------|---------------|------------|----------|
| GR.100.D.C.B | Composite Diamond Black | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.D.C.G | Composite Diamond Grey | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.L.C.B | Composite Longitudinal Black | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.L.C.G | Composite Longitudinal Grey | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.S.C.B | Composite Slotted Black | 1000 | 10mm | 123mm | A15 | × |
| GR.100.S.C.G | Composite Slotted Grey | 1000 | 10mm | 123mm | A15 | × |
| GR.100.M.C | Composite Mesh | 500 | 7mm | 123mm | B125 | ✓ |
| GR.100.P.SS | Stainless Steel Longitudinal | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.M.SS | Stainless Steel Mesh | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.S.DI | Ductile Iron Slotted | 500 | 8mm | 123mm | C250 | ✓ |

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LITE Prem - 100mm depth

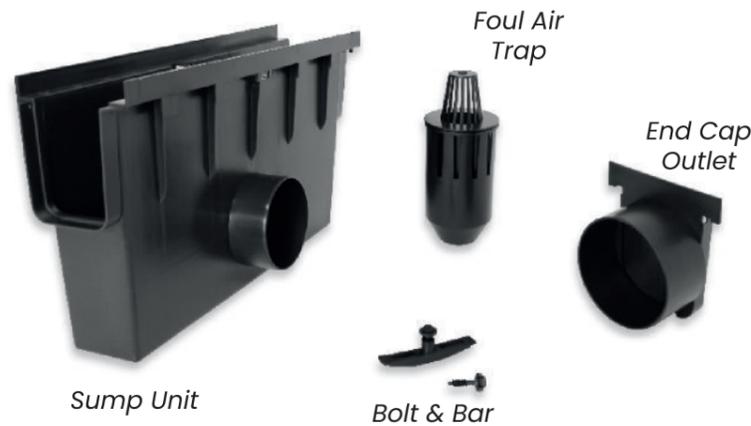
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Please see the diagram below for specific measurements on the Lite Prem 100 System



Accessories

- End Cap Outlet
- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.

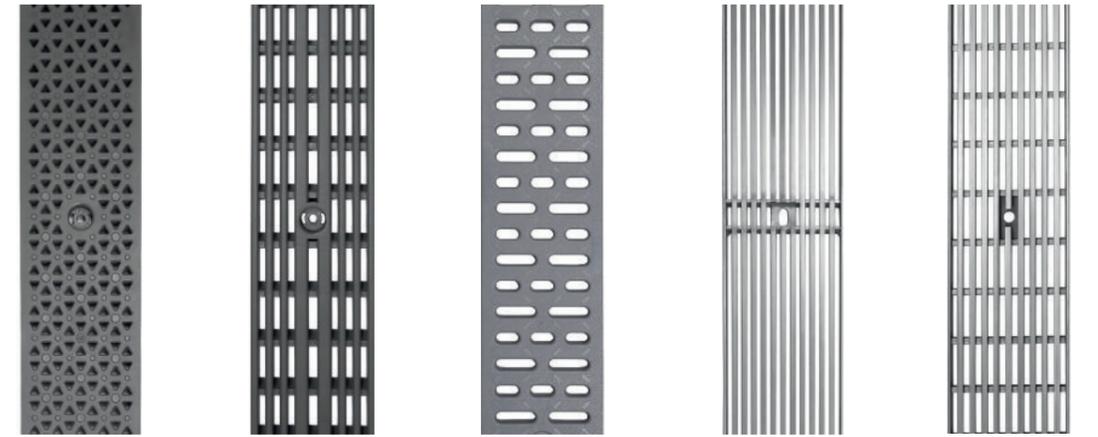
The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

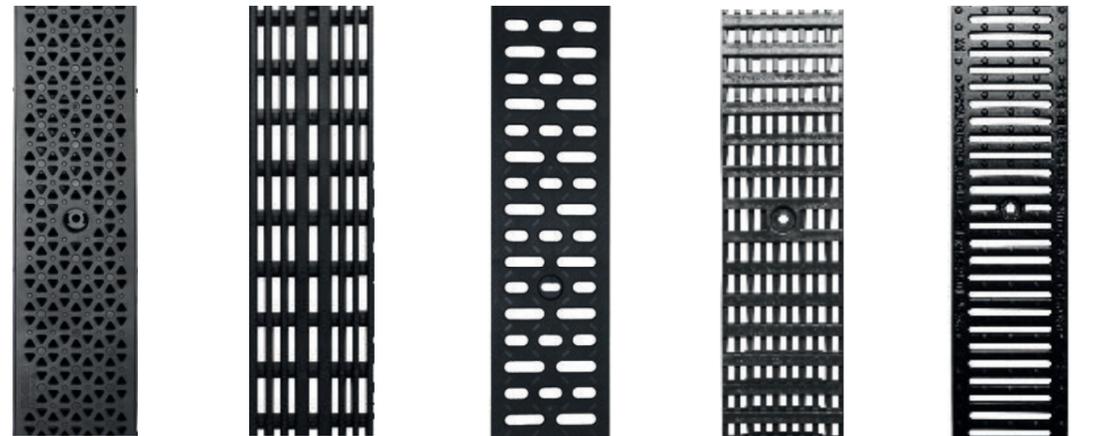
The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

| Reference | Height (mm) | Invert Height | Overall Width | Weight (KG) | Load Class | Outlet Inv. Height | Outlet |
|-----------------|-------------|---------------|---------------|-------------|------------|--------------------|--------|
| LITE.P.100.SUMP | 280 | 260 | 130 | 1.2 | A,B,C | 250 | 110 |
| LITE.P.100.EC | 150 | n/a | 130 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.O | 150 | n/a | 130 | 0.6 | A,B,C | n/a | 110 |
| LITE.P.100.FAT | 90 | n/a | 85 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.BB | 11 | n/a | 95 | 0.1 | A,B,C | n/a | n/a |

Grating Options - 100mm



Composite Diamond Grey (A15) Composite Longitudinal Grey (A15) Composite Slotted Grey (A15) Stainless Steel Longitudinal (C250) Stainless Steel Mesh (C250)



Composite Diamond Black (A15) Composite Longitudinal Black (A15) Composite Slotted Black (A15) Composite Mesh (B125) Ductile Iron Slotted (C250)

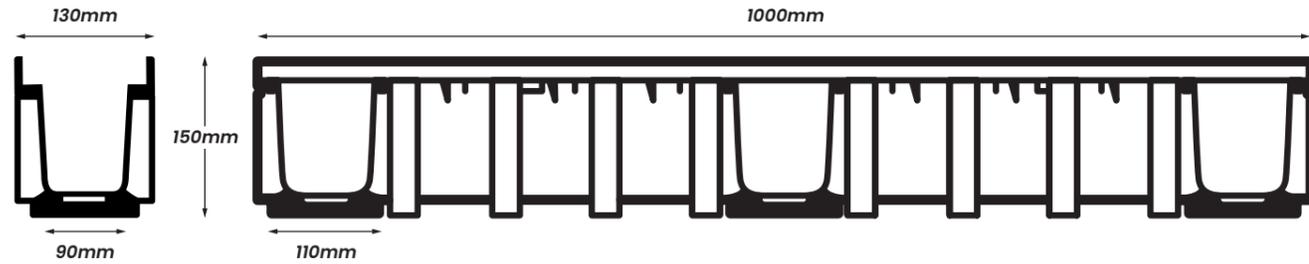
| Reference | Description | Length (mm) | Slot Width | Overall Width | Load Class | SafeHeel |
|--------------|------------------------------|-------------|------------|---------------|------------|----------|
| GR.100.D.C.B | Composite Diamond Black | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.D.C.G | Composite Diamond Grey | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.L.C.B | Composite Longitudinal Black | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.L.C.G | Composite Longitudinal Grey | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.S.C.B | Composite Slotted Black | 1000 | 10mm | 123mm | A15 | × |
| GR.100.S.C.G | Composite Slotted Grey | 1000 | 10mm | 123mm | A15 | × |
| GR.100.M.C | Composite Mesh | 500 | 7mm | 123mm | B125 | ✓ |
| GR.100.P.SS | Stainless Steel Longitudinal | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.M.SS | Stainless Steel Mesh | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.S.DI | Ductile Iron Slotted | 500 | 8mm | 123mm | C250 | ✓ |

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LITE Prem - 150mm depth

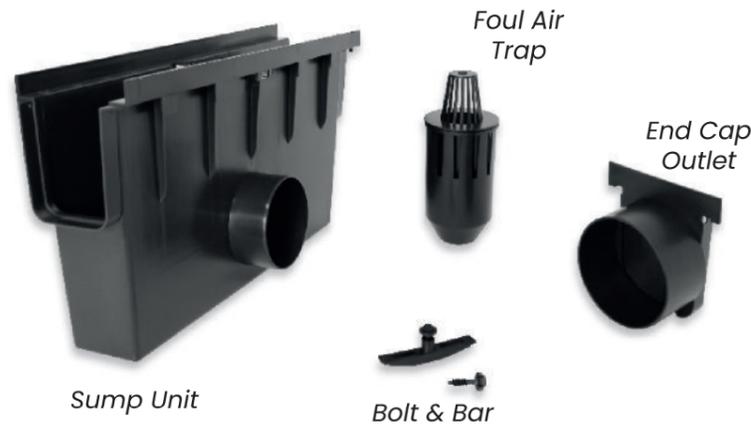
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Please see the diagram below for specific measurements on the Lite Prem 100 System



Accessories

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- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



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The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

| Reference | Height (mm) | Invert Height | Overall Width | Weight (KG) | Load Class | Outlet Inv. Height | Outlet |
|-----------------|-------------|---------------|---------------|-------------|------------|--------------------|--------|
| LITE.P.100.SUMP | 280 | 260 | 130 | 1.2 | A,B,C | 250 | 110 |
| LITE.P.100.EC | 150 | n/a | 130 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.O | 150 | n/a | 130 | 0.6 | A,B,C | n/a | 110 |
| LITE.P.100.FAT | 90 | n/a | 85 | 0.4 | A,B,C | n/a | 110 |
| LITE.P.100.BB | 11 | n/a | 95 | 0.1 | A,B,C | n/a | n/a |

Grating Options - 150mm



Composite Diamond Grey (A15)



Composite Longitudinal Grey (A15)



Composite Slotted Grey (A15)



Stainless Steel Longitudinal (C250)



Stainless Steel Mesh (C250)



Composite Diamond Black (A15)



Composite Longitudinal Black (A15)



Composite Slotted Black (A15)



Composite Mesh (B125)



Ductile Iron Slotted (C250)

| Reference | Description | Length (mm) | Slot Width | Overall Width | Load Class | SafeHeel |
|--------------|------------------------------|-------------|------------|---------------|------------|----------|
| GR.100.D.C.B | Composite Diamond Black | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.D.C.G | Composite Diamond Grey | 1000 | 6mm | 123mm | A15 | ✓ |
| GR.100.L.C.B | Composite Longitudinal Black | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.L.C.G | Composite Longitudinal Grey | 1000 | 7mm | 123mm | A15 | ✓ |
| GR.100.S.C.B | Composite Slotted Black | 1000 | 10mm | 123mm | A15 | × |
| GR.100.S.C.G | Composite Slotted Grey | 1000 | 10mm | 123mm | A15 | × |
| GR.100.M.C | Composite Mesh | 500 | 7mm | 123mm | B125 | ✓ |
| GR.100.P.SS | Stainless Steel Longitudinal | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.M.SS | Stainless Steel Mesh | 1000 | 6mm | 123mm | C250 | ✓ |
| GR.100.S.DI | Ductile Iron Slotted | 500 | 8mm | 123mm | C250 | ✓ |

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LITE Prem - Offset Paveslot

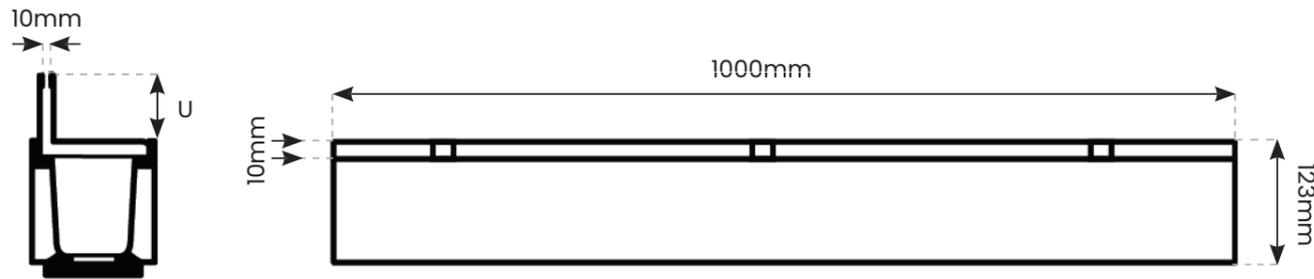
Lite Prem Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Offset Paveslot



| Reference | Description | Length (mm) | Slot Width | Overall Width | Load Class | Upstand (u) |
|-------------|---------------------------------|-------------|------------|---------------|------------|-------------|
| GR.GOP.60 | Galvanised Offset Paveslot | 1000 | 10 | 123 | B125 | 60mm |
| GR.GOP.105 | Galvanised Offset Paveslot | 1000 | 10 | 123 | C250 | 105mm |
| GR.GOP.150 | Galvanised Offset Paveslot | 1000 | 10 | 123 | C250 | 150mm |
| GR.SSOP.60 | Stainless Steel Offset Paveslot | 1000 | 10 | 123 | B125 | 60mm |
| GR.SSOP.105 | Stainless Steel Offset Paveslot | 1000 | 10 | 123 | C250 | 105mm |
| GR.SSOP.150 | Stainless Steel Offset Paveslot | 1000 | 10 | 123 | C250 | 150mm |

LITE Prem - Twin Paveslot

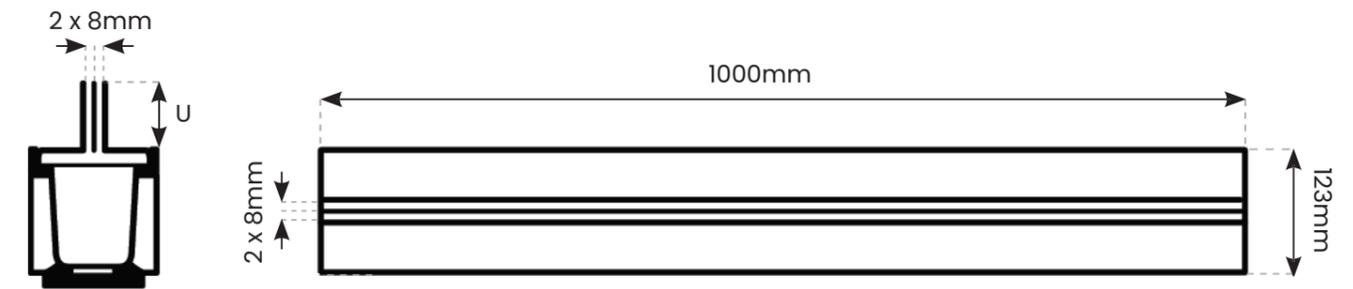
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View From Above



Available In Galvanised and Stainless Steel

Diagram - Twin Paveslot



| Reference | Description | Length (mm) | Slot Width | Overall Width | Load Class | Upstand (u) |
|-------------|-------------------------------|-------------|------------|---------------|------------|-------------|
| GR.GTP.60 | Galvanised Twin Paveslot | 1000 | 2x8mm | 123 | B125 | 60mm |
| GR.GTP.105 | Galvanised Twin Paveslot | 1000 | 2x8mm | 123 | C250 | 105mm |
| GR.GTP.150 | Galvanised Twin Paveslot | 1000 | 2x8mm | 123 | C250 | 150mm |
| GR.SSTP.60 | Stainless Steel Twin Paveslot | 1000 | 2x8mm | 123 | B125 | 60mm |
| GR.SSTP.105 | Stainless Steel Twin Paveslot | 1000 | 2x8mm | 123 | C250 | 105mm |
| GR.SSTP.150 | Stainless Steel Twin Paveslot | 1000 | 2x8mm | 123 | C250 | 150mm |

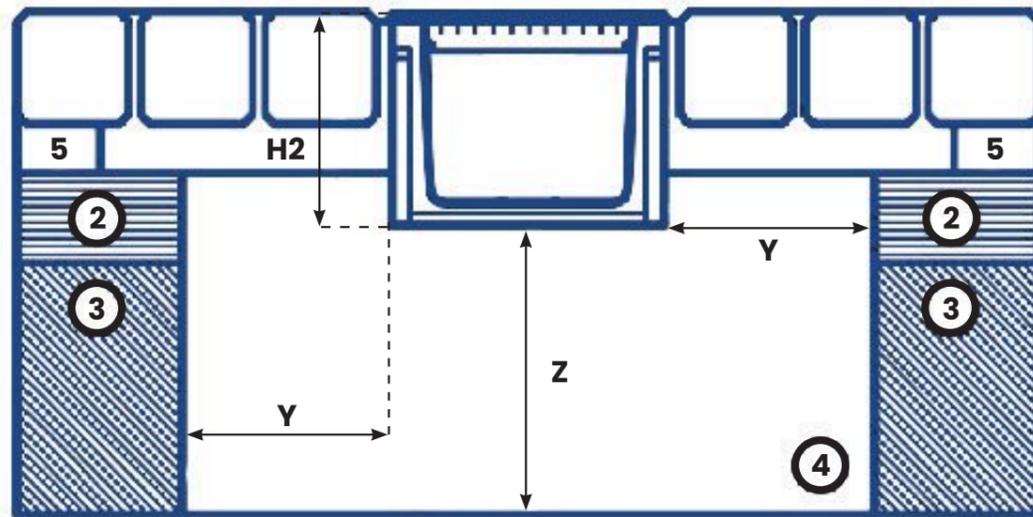
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Installation Guide

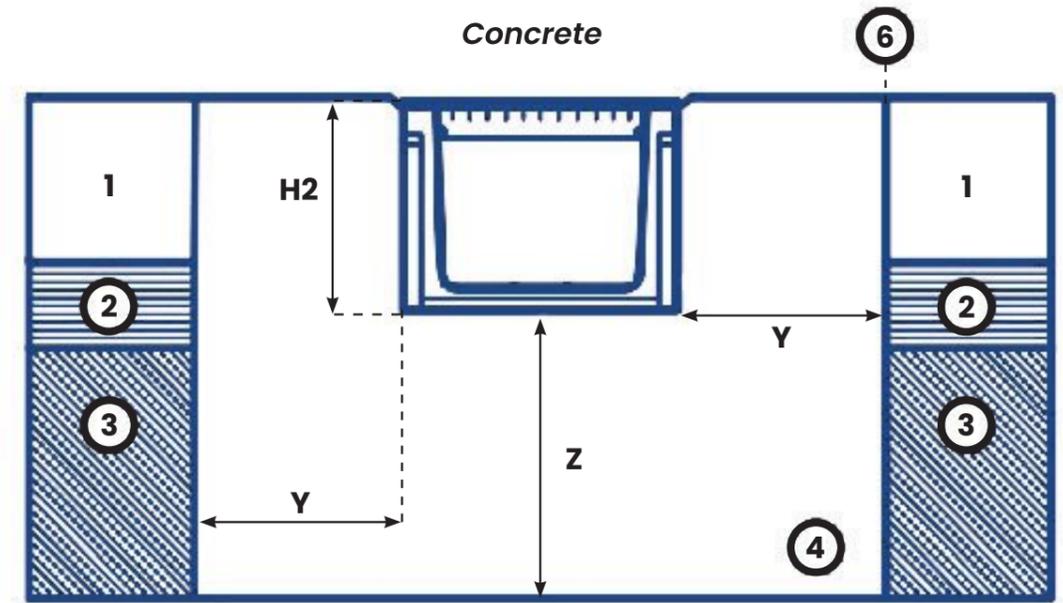
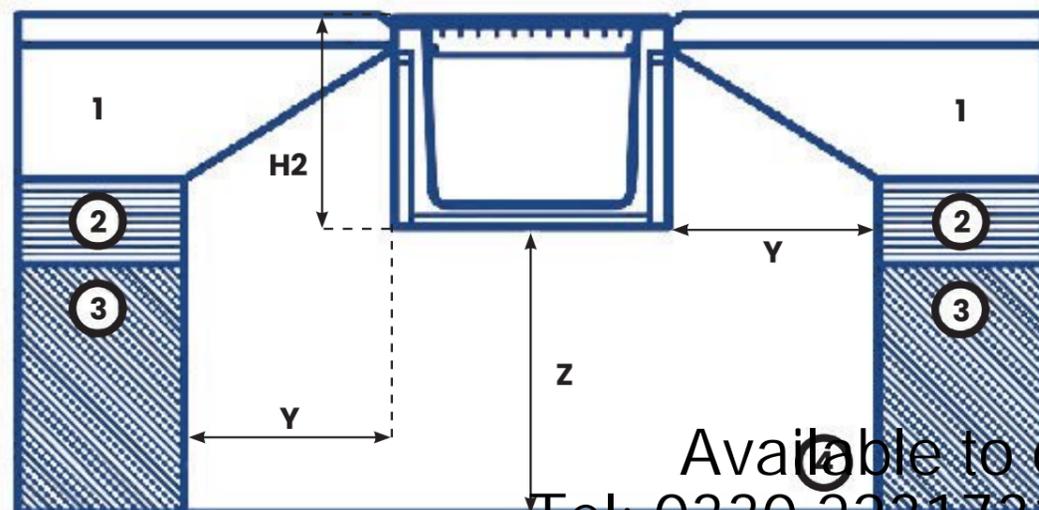
Ground conditions must be suitable and all dimensions shown are the minimum requirement. Engineering advice should be taken where necessary and any questions should be directed to Polycon's technical team by emailing us at sales@polycon.co.uk or by calling us on 0151 424 9747.

| | | | | | |
|----------|----------|-------|-----------------|------------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Concrete | Sub Base | Earth | Concrete Haunch | Sand Layer | Expansion Joint |

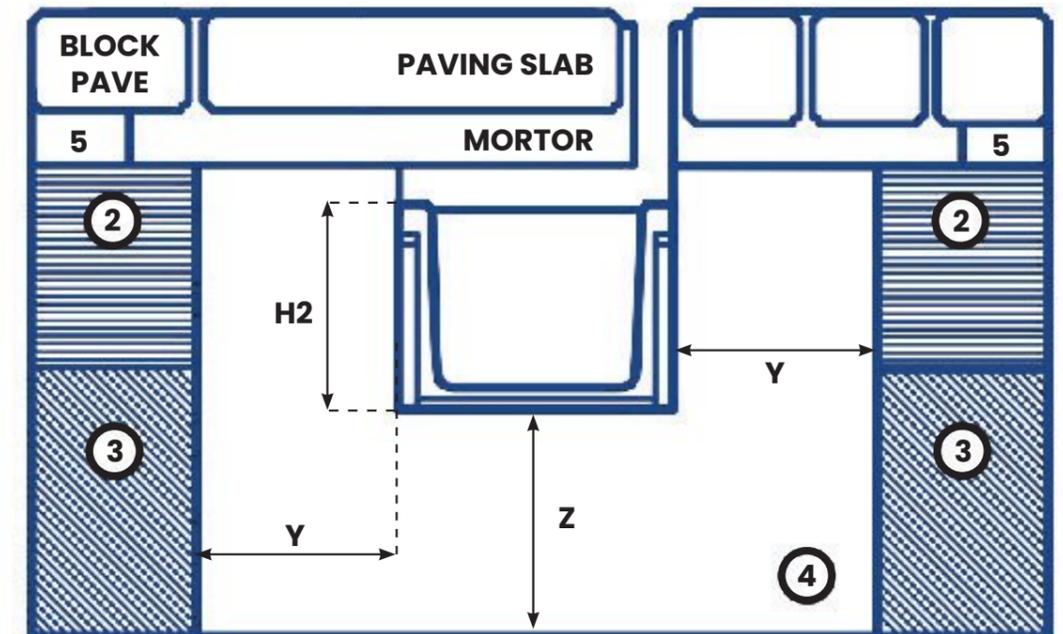
Block Paving



Tarmac



Paveslot



| Load Class | A15 | B125 | C250 |
|----------------------|----------------|----------------|----------------|
| H2 - Channel Height | Channel Height | Channel Height | Channel Height |
| Y - Minimum Surround | 100mm | 150mm | 150mm |
| Z - Minimum Surround | 100mm | 150mm | 150mm |
| T1 - Minimum Depth | 40mm | 40mm | 40mm |
| T2 - Maximum Depth | 95mm | 55mm | 55mm |

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** Minimum Concrete Haunch 25 N/mm².
 Level A only for over and/or 30mm from above the ground surface.