



LITE Prem RANGE

Service . Range . Knowledge

Welcome To Polycon

Polycon is identified as one of the leading manufacturers, distributors, and suppliers of channel drainage in the UK. We focus on creating a diverse range of water solutions, in various materials, including composite, polymer concrete, SMC, and steel.

Polycon's unique look at the market and expert knowledge of the industry ensures we can supply a wide range of high-quality products suitable for any application. This includes building drainage, landscaping, sports facilities, distribution centres, highways, and airports.

Our design team provides innovative and efficient hydraulic solutions to ensure we can offer your drainage needs the best product/solution. We have a vast and experienced overview of our working industry and have been manufacturing, distributing, and selling channel drainage for over 8 years. We thrive on acting upon your feedback to improve and develop our products to fit flawlessly with the constantly changing market and demand from our customers.

At Polycon we focus our attention on professionals who sit within the construction industry, targeting our products to specifiers, architects, engineers, and contractors. Therefore, we understand the importance of expanding our product portfolio to create the most efficient surface water drainage systems.

We are a dynamic and evolving company with a focus on quality, innovation, and service. As a result, you can rely on us to handle your project needs in every way to the best of our ability.

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Service • Range • Knowledge

LITE Prem 100

LITE Prem 100

The Lite Prem 100 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.

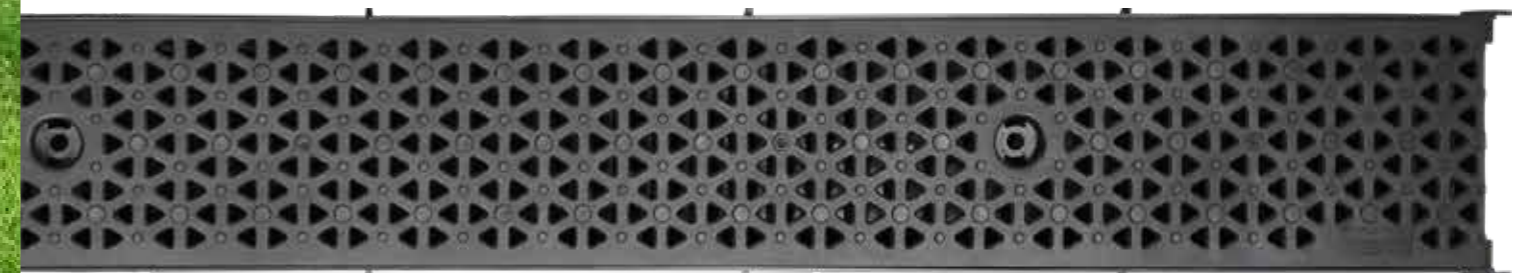
The Lite Prem 100 material properties mean that the system can withstand significant impacts and create a long-lasting life cycle without the need for aggressive maintenance. One of the standout features of the Lite Prem 100 channel is its remarkable chemical resistance.

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 100 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

LITE Prem 100 – Overview

Material

The Lite Prem 100 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



SAFEHEEL

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.

Load Classes



A15



B125



C250

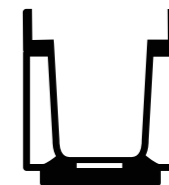
Depth Options



65mm



100mm

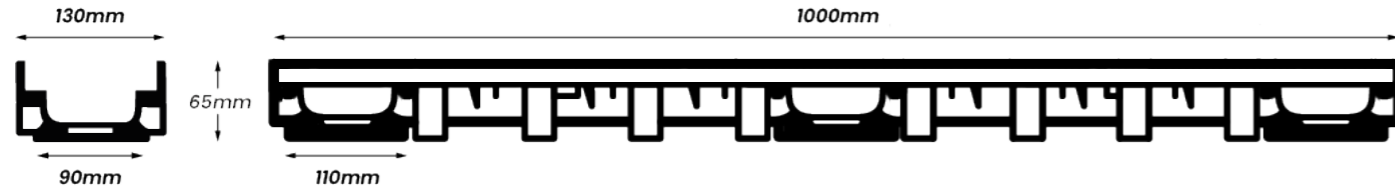


150mm

LITE Prem 100 – 65mm depth

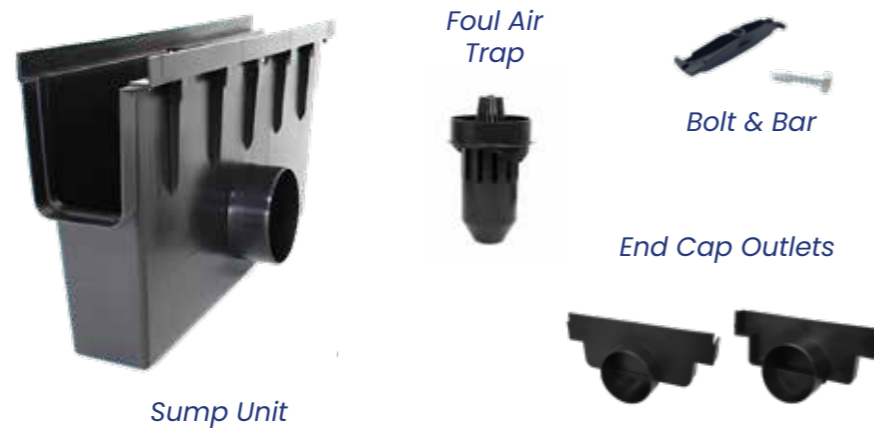
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Product Specs: Please see the diagram and table below for specific Lite Prem 100 System measurements.



Accessories

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

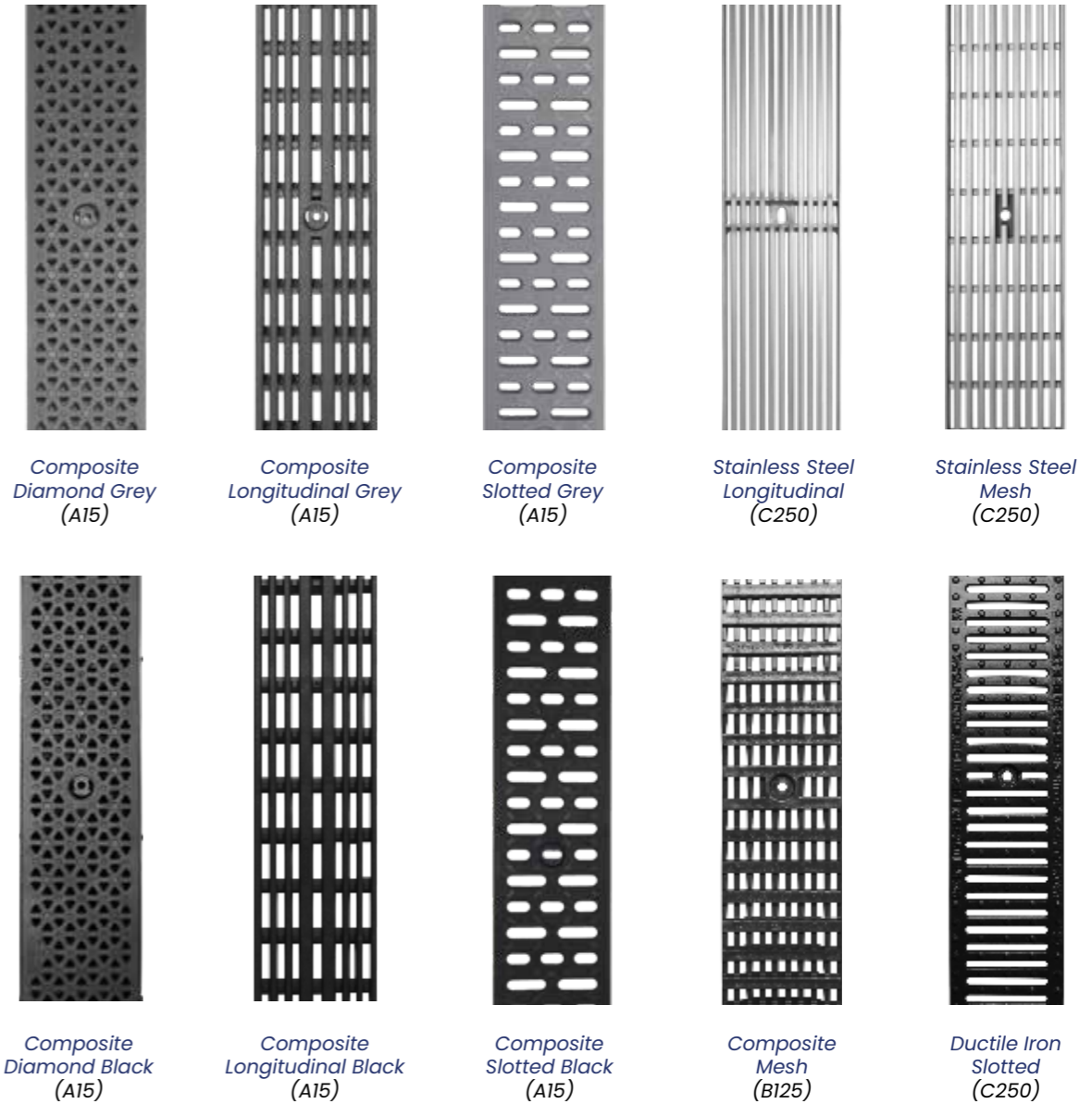


Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system.
The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.
The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to 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.

Accessories – Specifications

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.S.1708.F	63	n/a	130	0.4	A,B,C	n/a	50
LITE.P.100.EC.E.1709.M	63	n/a	130	0.4	A,B,C	n/a	50
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 – 65mm



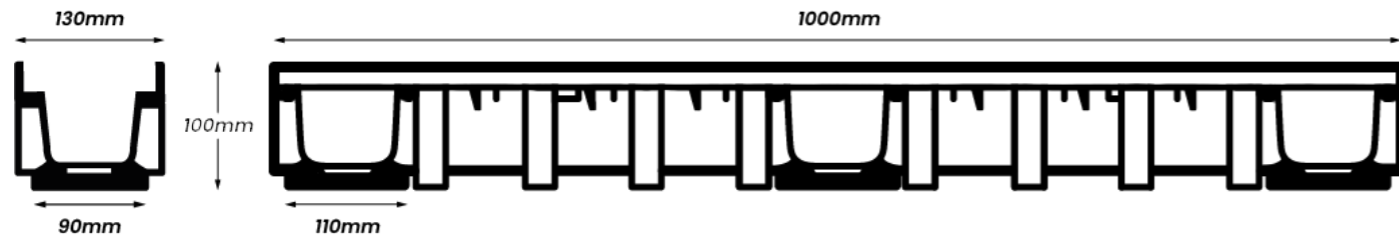
Grating – Specifications

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	✓

LITE Prem 100 – 100mm depth

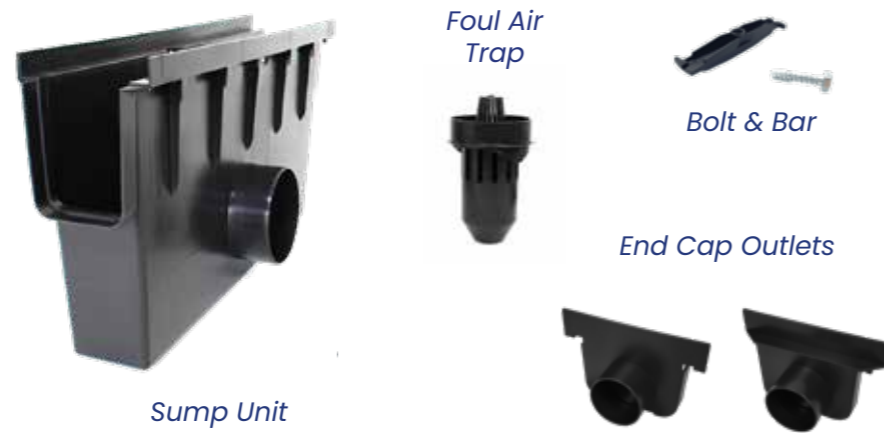
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

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.

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

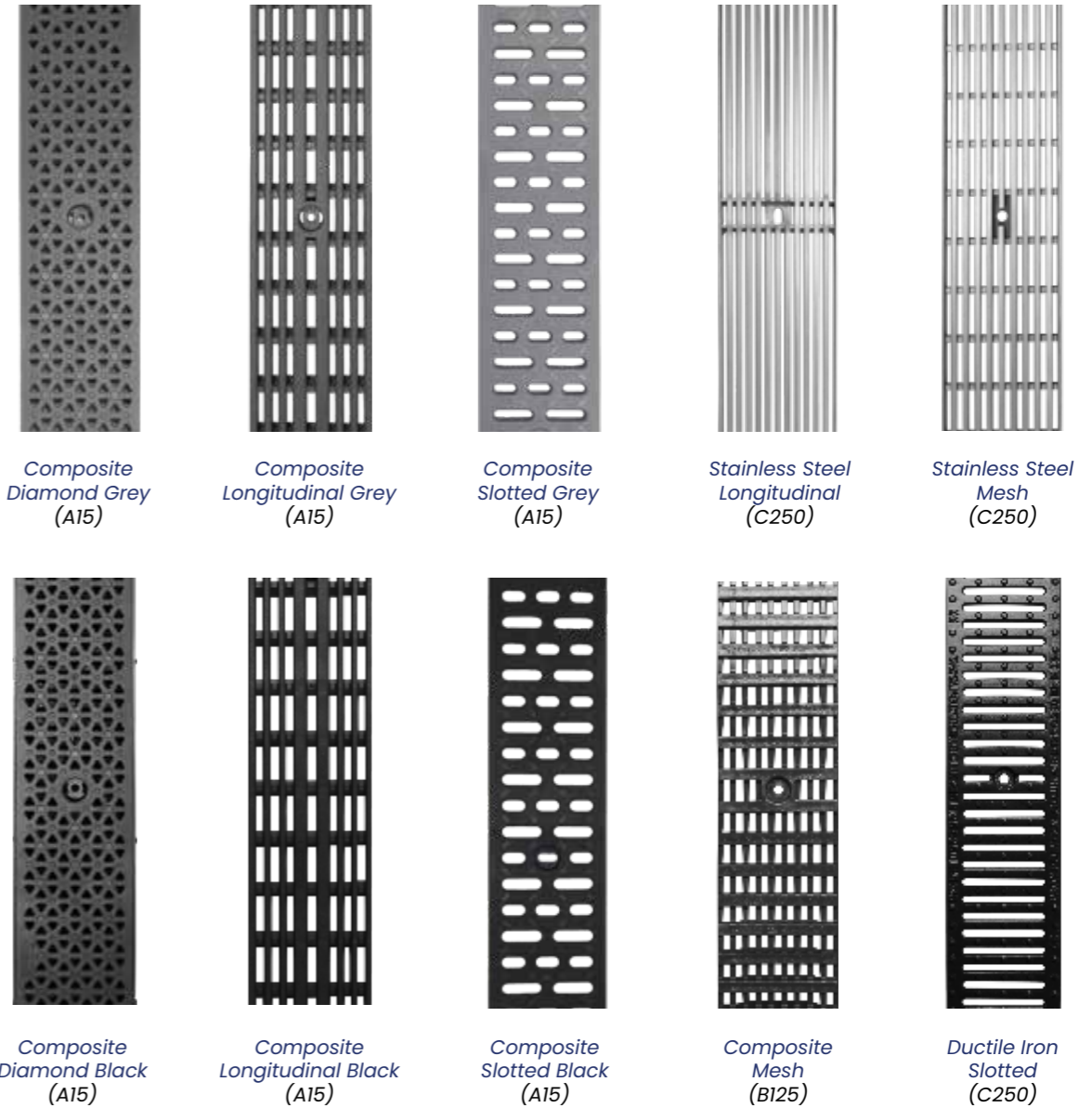
The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

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

Accessories – Specifications

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.S.1743.F	98	n/a	130	0.4	A,B,C	n/a	50
LITE.P.100.EC.E.1744.M	98	n/a	130	0.4	A,B,C	n/a	50
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



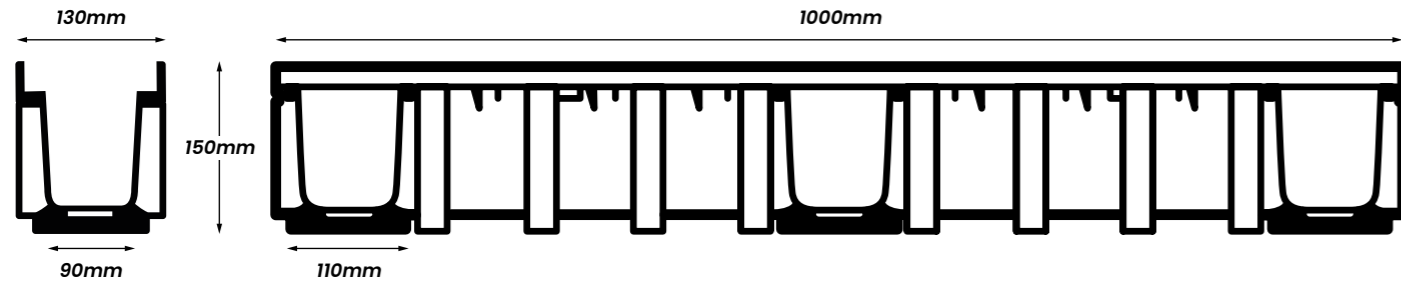
Grating – Specifications

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	✓

LITE Prem 100 – 150mm depth

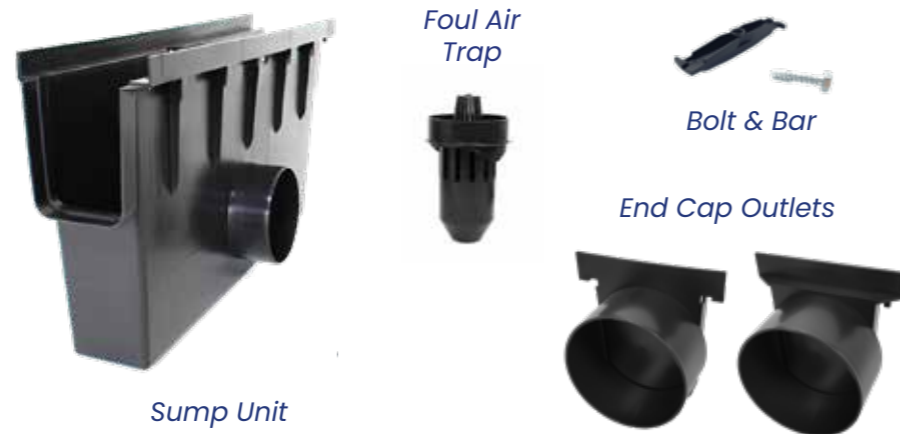
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Please see the diagram below for specific measurements on the Lite Prem 100 System



Accessories

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

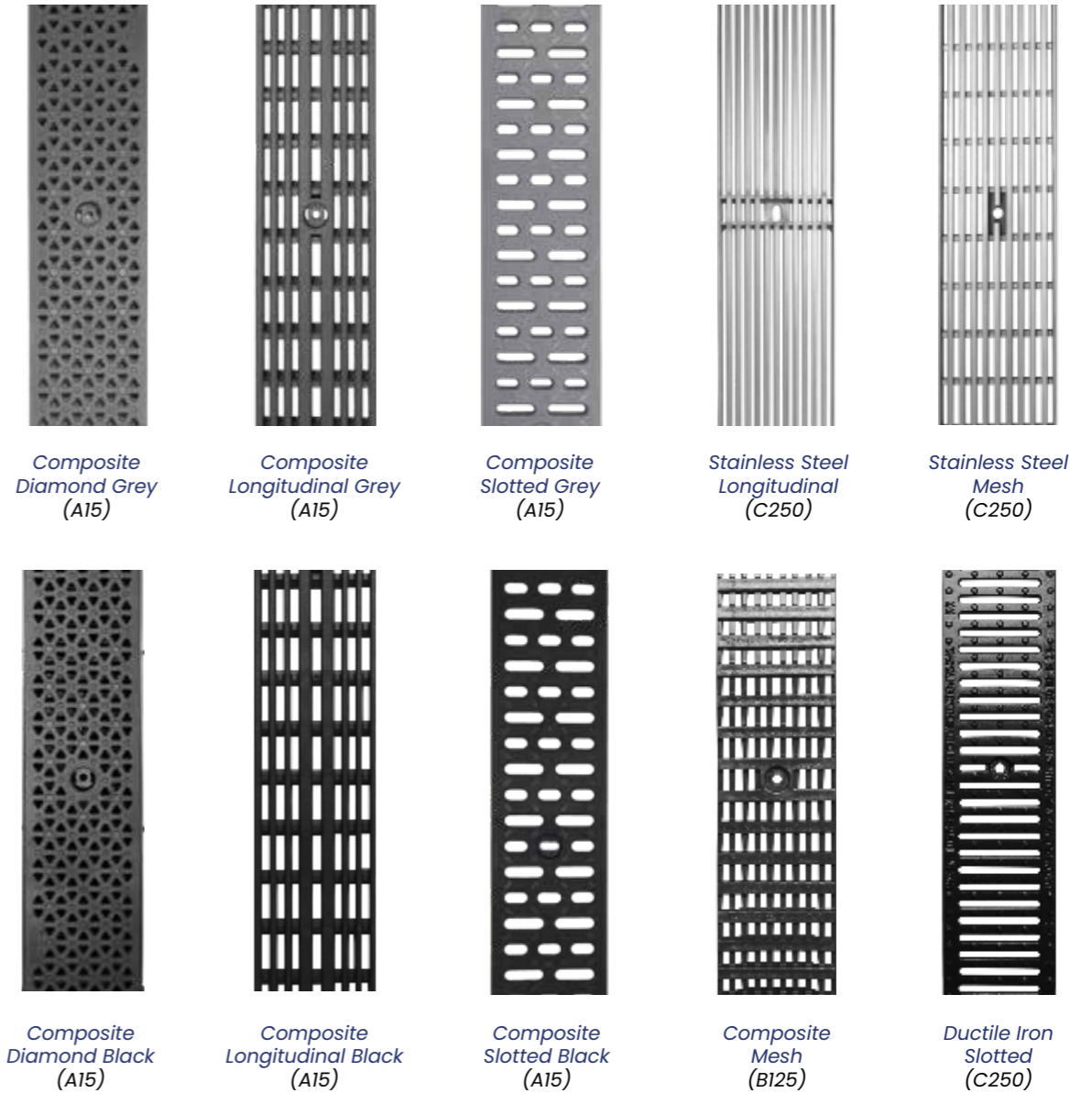


Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system.
The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.
The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to 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.

Accessories – Specifications

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.S.1733.F	148	n/a	130	0.4	A,B,C	n/a	110
LITE.P.100.EC.E.1734.M	148	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



Grating – Specifications

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	✓

LITE Prem 100 – Offset Paveslot

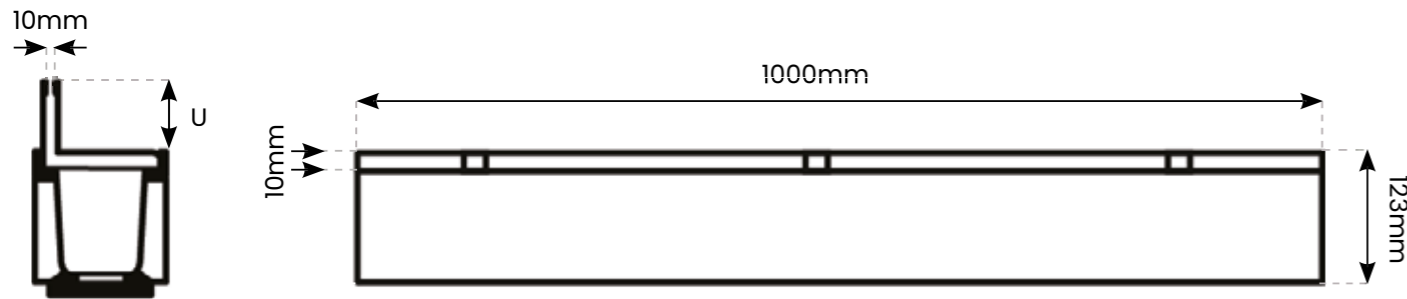
Lite Prem Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram – Offset Paveslot

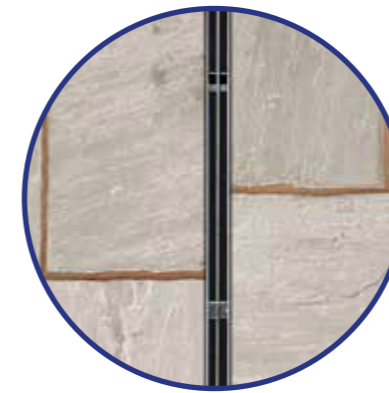


Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (u)
GR.GOP.60	Galvanised Offset Paveslot	1000	10	123	B125	60mm
GR.GOP.105	Galvanised Offset Paveslot	1000	10	123	C250	105mm
GR.GOP.150	Galvanised Offset Paveslot	1000	10	123	C250	150mm
GR.SSOP.60	Stainless Steel Offset Paveslot	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 100 – Twin Paveslot

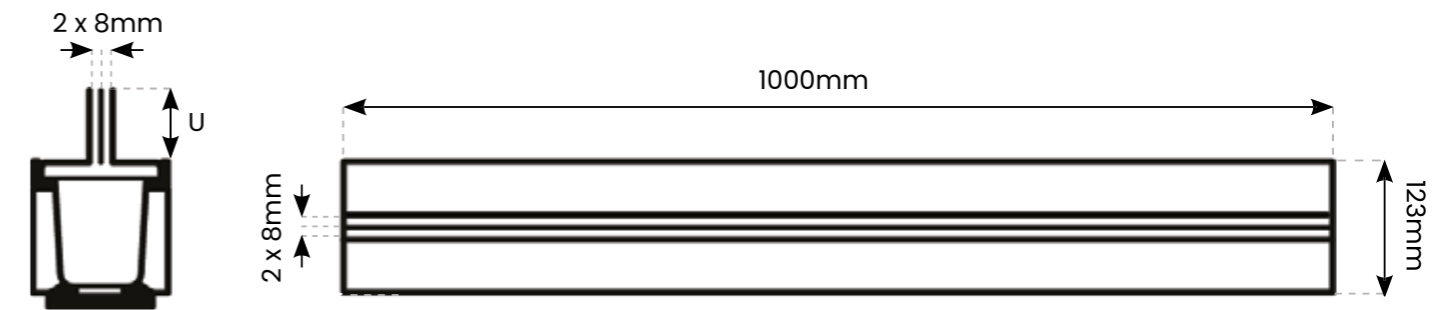
Lite Prem Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram – 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

LITE Prem 150

LITE Prem 150

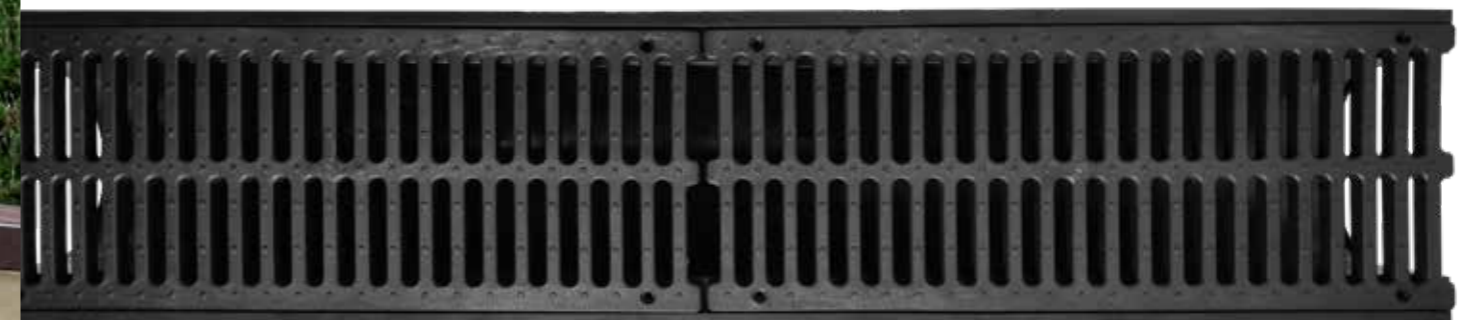
The Lite Prem 150 channel supplied by Polycon boasts exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem 150 system has been designed and manufactured from High-Density Polyethylene (HDPE). This has many features and benefits, tailored for high-performance drainage systems and efficient water flow.

The material properties mean the Lite Prem system can withstand significant impacts and creates a long-lasting life cycle without aggressive maintenance. One of the standout features of the Lite Prem 150 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.

Regarding efficient water management, the Lite Prem 150 channel truly excels. Its quick water flow capability ensures rapid drainage, minimising the risk of water pooling and related issues. With a magnitude of different depths, the Lite Prem 150 has the flexibility to customise drainage solutions to suit specific needs.

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declaration of performance certificate.*



Load Classes



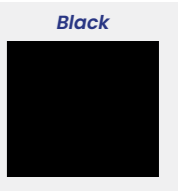
A15
1.5 tonnes

Applications

- Landscaping Areas
- Pedestrian Areas

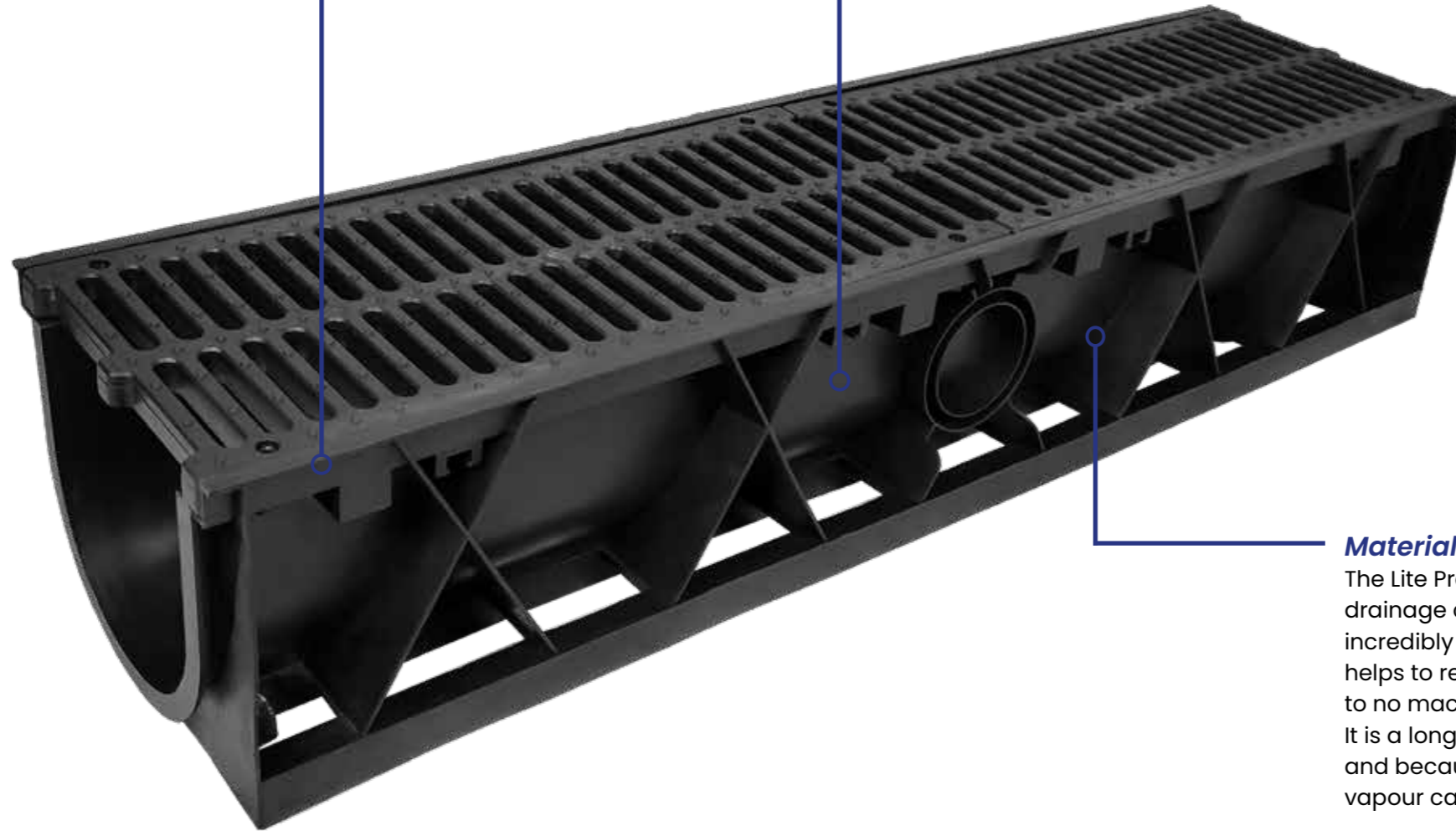
LITE Prem 150 – Overview

Channel Colour Options



Stainless Steel Edge Rail

The Lite Prem 150 drainage channel can be equipped with a stainless steel edge rail, which significantly enhances both the durability and load-bearing strength of the system. By reinforcing the channel edges, the stainless steel rail protects against wear and tear from frequent use, making it ideal for environments with increased traffic demands. This added strength not only extends the life of the drainage system but also provides greater stability under pressure, reducing the risk of deformation or damage over time.



Channel Size Options

There is an array of depth options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With six diverse size choices available, ranging from 195mm to 550mm depths, customers can select the perfect dimensions to match their project's needs.

Material

The Lite Prem 150 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.

Load Classes



A15

Depth Options

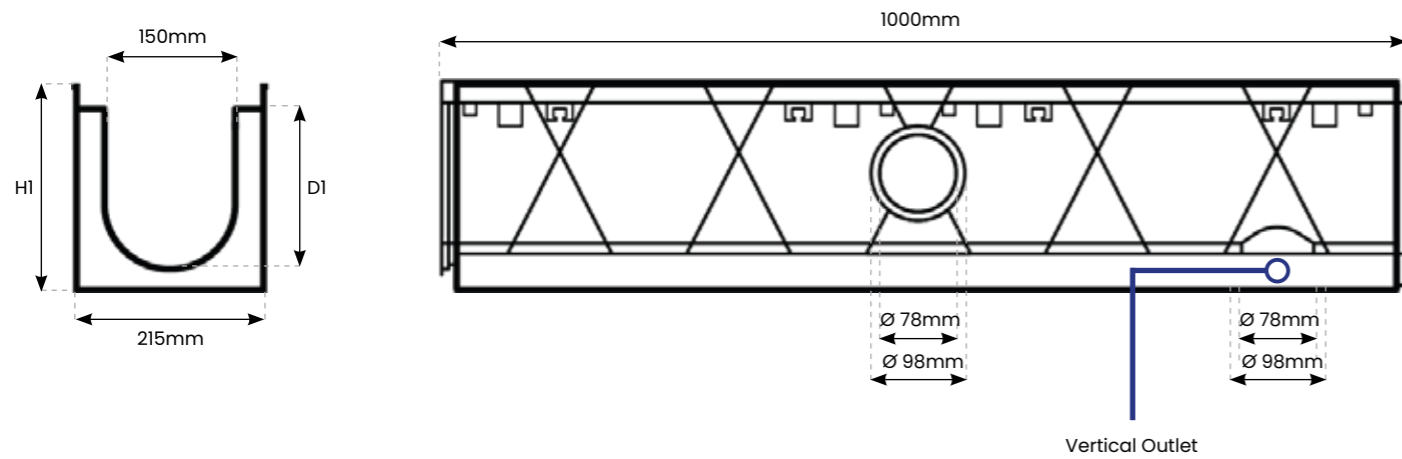


195mm

LITE Prem 150

The Lite Prem 150 is a highly versatile drainage system known for its exceptional durability, flexibility, and lightweight design, making it ideal for applications requiring A15 load capacity. This innovative system features a fully attachable edge rail that can be seamlessly integrated into the channel, providing enhanced strength and durability for a wide range of environments.

Lite Prem 150 - Diagram



Grating



Composite Slotted Black (A15)



Composite Slotted Black + Stainless Steel Edge Rail (A15)

* The Lite Prem Plus channel, without the edge rail, supports load classes from A15 to C250, depending on the grating used.
 ** The channel itself can handle up to F900, but to achieve any load class from C250 to F900, the channel must be equipped with the optional edge rail for enhanced performance and strength.

Lite Prem 150 - Specifications

Reference	Description	Overall Depth (H1)	Internal Depth (D1)	Overall Width	Internal Width	Length	Vertical Outlet	Load Class
LPP.150.CSB	Lite Prem 150 Composite Slotted Black Grating	195mm	170mm	215mm	150mm	1000mm	78/98mm	A15
LPP.150.CSB.ER	Lite Prem Plus 150 + Edge Rail Composite Slotted Black Grating	195mm	170mm	225mm	150mm	1000mm	78/98mm	A15

Accessories

Stainless Steel Edge Rail

The edge rail is made from 1mm thick stainless steel for lateral protection of the channel. 1m channel requires 2 steel edge rails.



Stainless Steel Edge Rail

Corner Unit

Corner units enable an easy change in the channel's direction, providing flexibility and precise alignment for complex layouts. They ensure smooth transitions, maintaining system integrity and efficiency.



Composite Corner Unit

End Cap & Outlet

End caps are installed at the end of the channel run to effectively seal and prevent water flow, ensuring proper system closure and functionality.



End Cap Outlet

Bolt & Bar

A bolt and bar mechanism is utilised for added security, effectively locking the grating into place for enhanced stability.



Bolt & Bar

Side Clamp

A 1 metre channel requires 8 stainless steel side clamps for secure attachment to concrete.



Side Clamp

Accessories - Specifications

Reference	Description	Height	Overall Width	Length	Outlet
CU.LPP.150	Lite Prem Plus 150 Corner Unit	195mm	245mm	245mm	-
ECO.LPP.150	Lite Prem Plus 150 End Cap Outlet	183mm	215mm	28mm	75/95mm
LPP.150.CSBG	Lite Prem Plus 150 Composite Slotted Black Grating	19mm	200mm	500mm	-

LITE Prem200

LITE Prem 200

The Lite Prem 200 channel supplied by Polycon boasts exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem 200 system has been designed and manufactured from High-Density Polyethylene (HDPE). This has many features and benefits, tailored for high-performance drainage systems and efficient water flow.

The material properties mean the Lite Prem system can withstand significant impacts and creates a long-lasting life cycle without aggressive maintenance. One of the standout features of the Lite Prem 200 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.

Regarding efficient water management, the Lite Prem 200 channel truly excels. Its quick water flow capability ensures rapid drainage, minimising the risk of water pooling and related issues. With a magnitude of different depths, the Lite Prem 200 has the flexibility to customise drainage solutions to suit specific needs.

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Load Classes



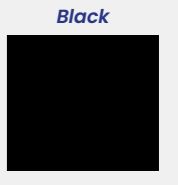
A15
1.5 tonnes

Applications

- Landscaping Areas
- Pedestrian Areas

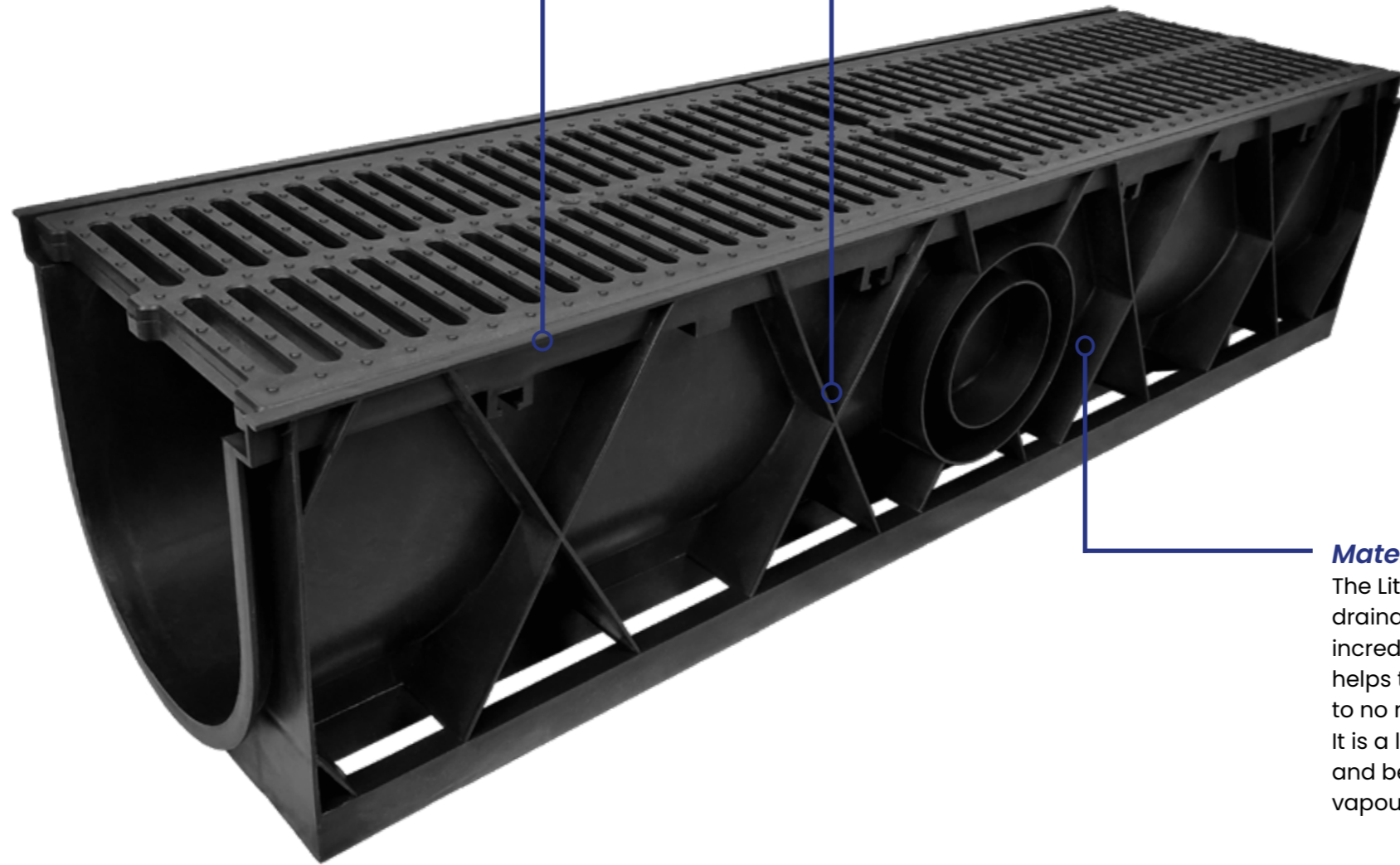
LITE Prem 200 – Overview

Channel Colour Options



Stainless Steel Edge Rail

The Lite Prem 200 drainage channel can be equipped with a stainless steel edge rail, which significantly enhances both the durability and load-bearing strength of the system. By reinforcing the channel edges, the stainless steel rail protects against wear and tear from frequent use, making it ideal for environments with increased traffic demands. This added strength not only extends the life of the drainage system but also provides greater stability under pressure, reducing the risk of deformation or damage over time.



Channel Size Options

There is an array of depth options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With six diverse size choices available, ranging from 195mm to 550mm depths, customers can select the perfect dimensions to match their project's needs.

Material

The Lite Prem 200 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.

Load Classes



A15

Depth Options

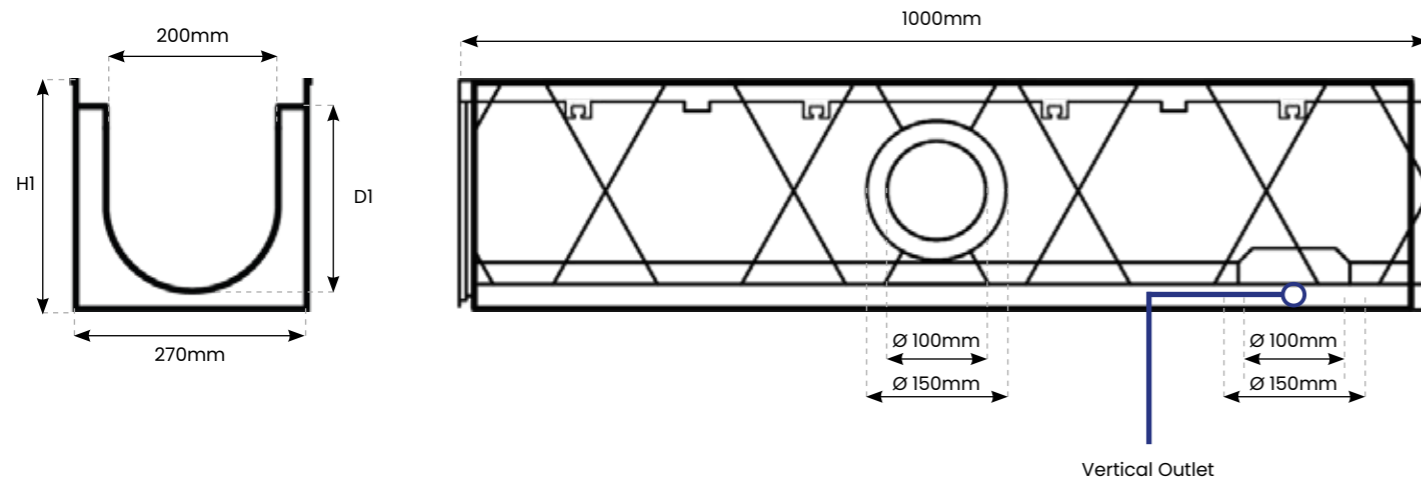


240mm

LITE Prem Plus – 200

The Lite Prem 200 is a durable, flexible, lightweight drainage system with A15 load capacity. An optional attachable edge rail provides additional strength and durability, making it highly adaptable.

Lite Prem Plus 200 – Diagram



Grating



Composite Slotted Black (A15)



Composite Slotted Black + Stainless Steel Edge Rail (A15)

* The Lite Prem Plus channel, without the edge rail, supports load classes from A15 to C250, depending on the grating used.
 ** The channel itself can handle up to F900, but to achieve any load class from C250 to F900, the channel must be equipped with the optional edge rail for enhanced performance and strength.

Lite Prem Plus 200 – Specifications

Reference	Description	Overall Depth (H1)	Internal Depth (D1)	Overall Width	Internal Width	Length	Vertical Outlet	Load Class
LPP.200.CSB	Lite Prem Plus 200 Composite Slotted Black Grating	240mm	220mm	270mm	200mm	1000mm	100/150mm	A15
LPP.200.CSB.ER	Lite Prem Plus 200 + Edge Rail Composite Slotted Black Grating	240mm	220mm	275mm	200mm	1000mm	100/150mm	A15

Accessories

Stainless Steel Edge Rail

The edge rail is made from 1mm thick stainless steel for lateral channel protection. Every 1m channel requires 2 steel edge rails.



Stainless Steel Edge Rail

Corner Unit

Corner units allow for an easy change in the direction of the channel, providing a smooth transition and enhancing the system's flexibility.



Composite Corner Unit

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap Outlet

Bolt & Bar

A bolt and bar mechanism is utilised for added security, effectively locking the grating in place for enhanced stability.



Bolt & Bar

Side Clamp

A 1 metre channel requires 8 stainless steel side clamps for secure attachment to the concrete.



Side Clamp

Accessories – Specifications

Reference	Description	Height	Overall Width	Length	Outlet
CU.LPP.200	Lite Prem Plus 200 Corner Unit	240mm	295mm	295mm	-
ECO.LPP.200	Lite Prem Plus 200 End Cap Outlet	233mm	265mm	28mm	100/150mm
LPP.200.CSBG	Lite Prem Plus 200 Composite Slotted Black Grating	19mm	240mm	500mm	-

LITE Prem 300

LITE Prem 300

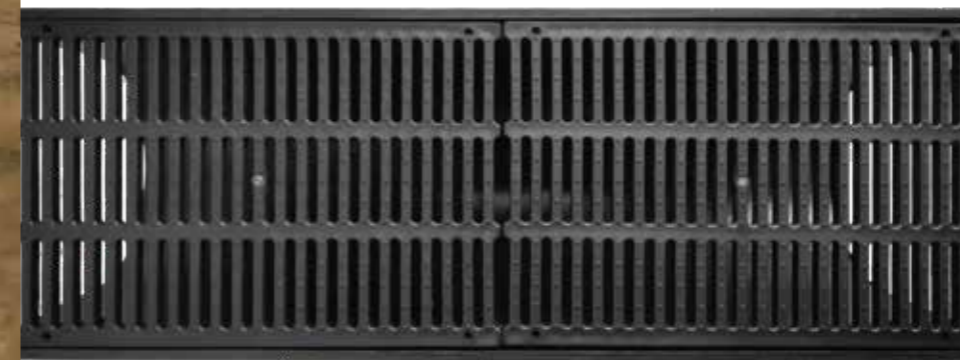
The Lite Prem 300 channel supplied by Polycon boasts exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem 300 system has been designed and manufactured from High-Density Polyethylene (HDPE). This has many features and benefits, tailored for high-performance drainage systems and efficient water flow.

The material properties mean the Lite Prem system can withstand significant impacts and creates a long-lasting life cycle without aggressive maintenance. One of the standout features of the Lite Prem 300 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.

Regarding efficient water management, the Lite Prem 300 channel truly excels. Its quick water flow capability ensures rapid drainage, minimising the risk of water pooling and related issues. With a magnitude of different depths, the Lite Prem 300 has the flexibility to customise drainage solutions to suit specific needs.

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Load Classes



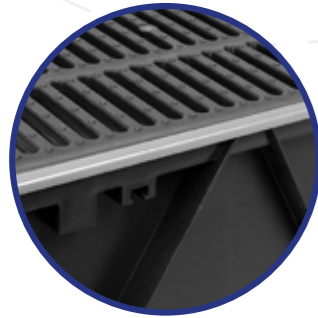
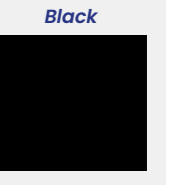
A15
1.5 tonnes

Applications

- Landscaping Areas
- Pedestrian Areas

LITE Prem 300 – Overview

Channel Colour Options

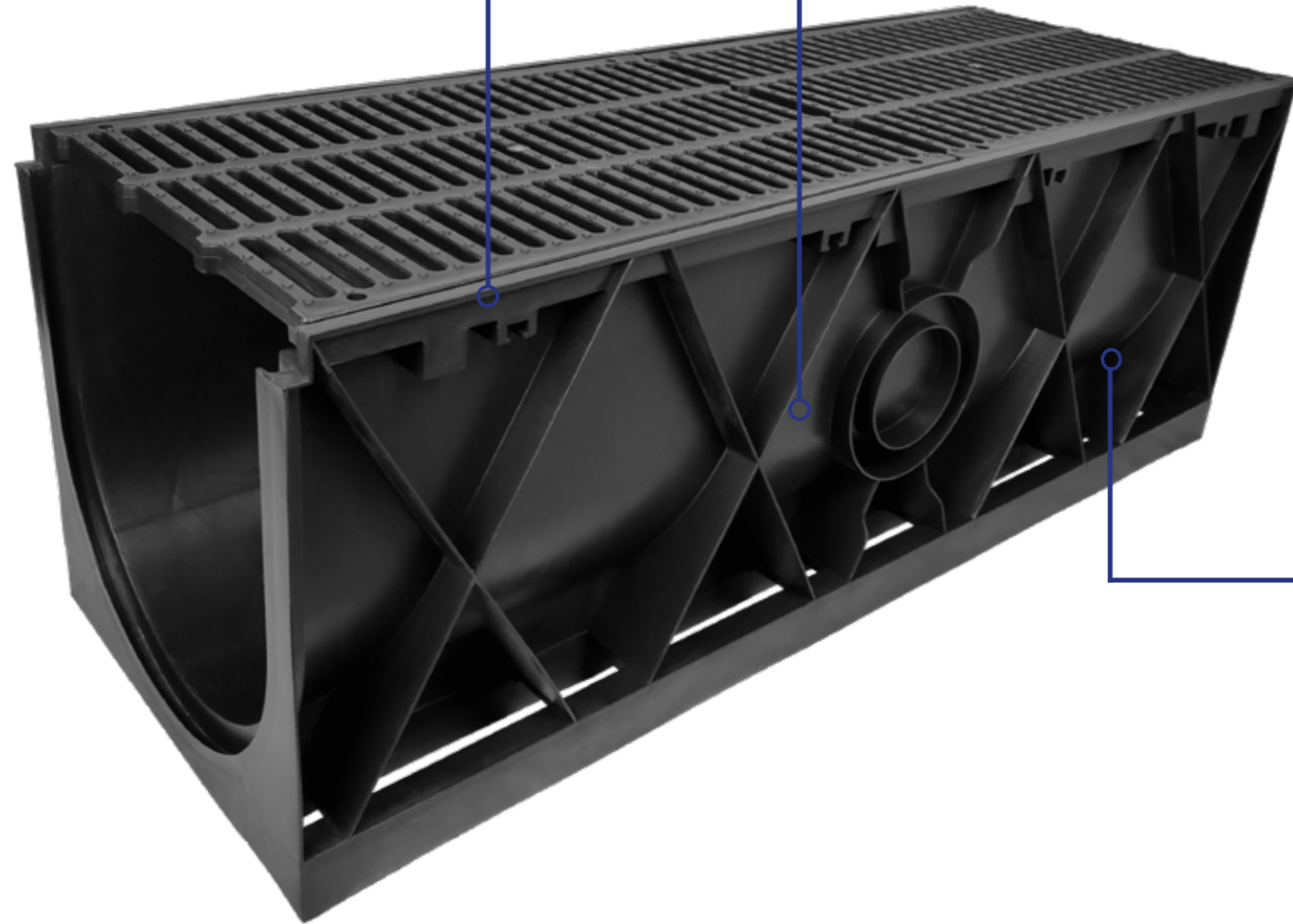


Stainless Steel Edge Rail

The Lite Prem 300 drainage channel can be equipped with a stainless steel edge rail, which significantly enhances both the durability and load-bearing strength of the system. By reinforcing the channel edges, the stainless steel rail protects against wear and tear from frequent use, making it ideal for environments with increased traffic demands. This added strength not only extends the life of the drainage system but also provides greater stability under pressure, reducing the risk of deformation or damage over time.

Channel Size Options

There is an array of depth options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With six diverse size choices available, ranging from 195mm to 550mm depths, customers can select the perfect dimensions to match their project's needs.



Material

The Lite Prem 300 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.

Load Classes



A15

Depth Options

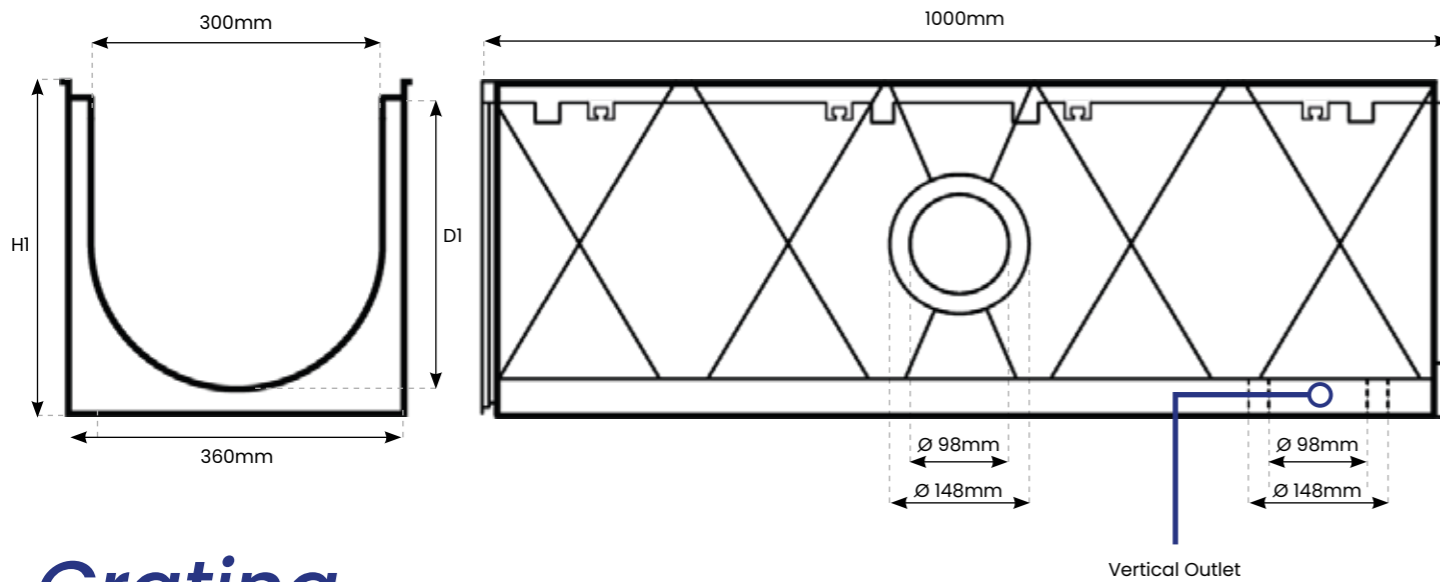


360mm

LITE Prem 300

The Lite Prem 300 is a lightweight, flexible, and durable drainage system designed for A15 load capacity. For added strength and durability, an optional attachable edge rail can be included, offering greater adaptability to suit various needs.

Lite Prem Plus 300mm - Diagram



Grating



Composite Slotted Black (A15)



Composite Slotted Black + Stainless Steel Edge Rail (A15)

* The Lite Prem Plus channel, without the edge rail, supports load classes from A15 to C250, depending on the grating used.
 ** The channel itself can handle up to F900, but to achieve any load class from C250 to F900, the channel must be equipped with the optional edge rail for enhanced performance and strength.

Lite Prem Plus 300 - Specifications

Reference	Description	Overall Depth (H1)	Internal Depth (D1)	Overall Width	Internal Width	Length	Vertical Outlet	Load Class
LPP.300.CSB	Lite Prem Plus 300 Composite Slotted Black Grating	360mm	320mm	360mm	300mm	1000mm	98/148mm	A15
LPP.300.CSB.ER	Lite Prem Plus 300 + Edge Rail Composite Slotted Black Grating	360mm	320mm	375mm	300mm	1000mm	98/148mm	A15

Accessories

Stainless Steel Edge Rail

The edge rail is made from 1mm thick stainless steel for lateral channel protection. Every 1m channel requires 2 steel edge rails.



Stainless Steel Edge Rail

Corner Unit

Corner units allow for an easy change in the direction of the channel, providing a smooth transition and enhancing the system's flexibility.



Composite Corner Unit

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap Outlet

Bolt & Bar

A bolt and bar mechanism is utilised for added security, effectively locking the grating into place for enhanced stability.



Bolt & Bar

Side Clamp

A 1 metre channel requires 8 stainless steel side clamps for secure attachment to the concrete.



Side Clamp

Accessories - Specifications

Reference	Description	Height	Overall Width	Length	Outlet
CU.LPP.300	Lite Prem Plus 300 Corner Unit	360mm	400mm	400mm	-
ECO.LPP.300	Lite Prem Plus 300 End Cap Outlet	340mm	360mm	35mm	110/160mm
LPP.300.CSBG	Lite Prem Plus 300 Composite Slotted Black Grating	19mm	340mm	500mm	-

LITE Prem 400

LITE Prem 400

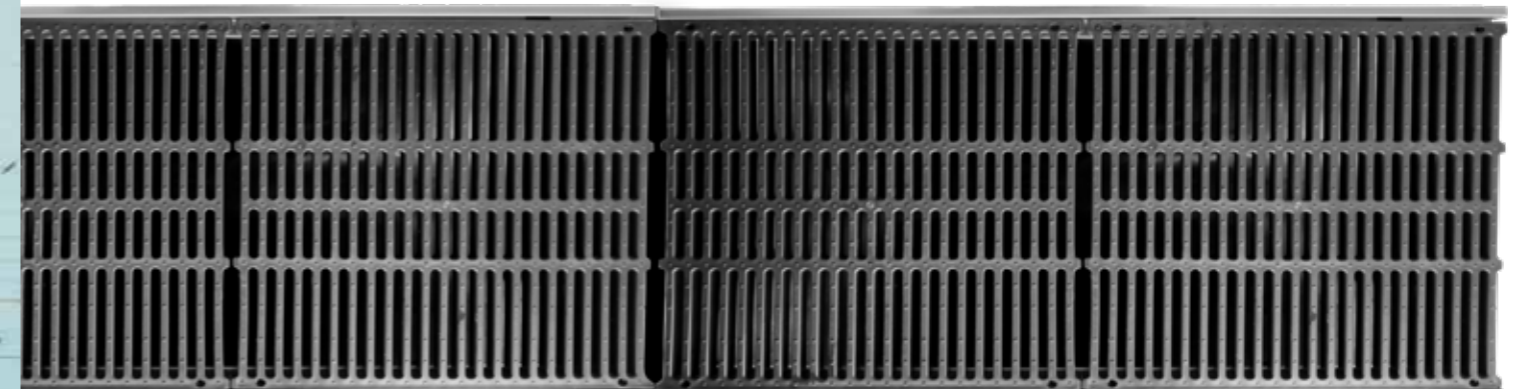
The Lite Prem 400 channel supplied by Polycon boasts exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem 400 system has been designed and manufactured from High-Density Polyethylene (HDPE). This has many features and benefits, tailored for high-performance drainage systems and efficient water flow.

The material properties mean the Lite Prem system can withstand significant impacts and creates a long-lasting life cycle without aggressive maintenance. One of the standout features of the Lite Prem 400 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.

Regarding efficient water management, the Lite Prem 400 channel truly excels. Its quick water flow capability ensures rapid drainage, minimising the risk of water pooling and related issues. With a magnitude of different depths, the Lite Prem 400 has the flexibility to customise drainage solutions to suit specific needs.

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Load Classes



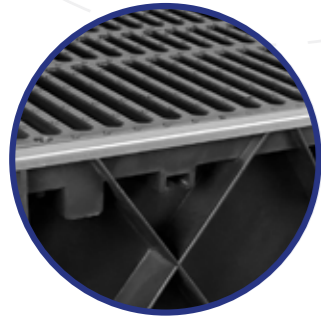
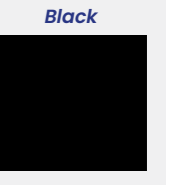
A15
1.5 tonnes

Applications

- Landscaping Areas
- Pedestrian Areas

LITE Prem 400 - Overview

Channel Colour Options

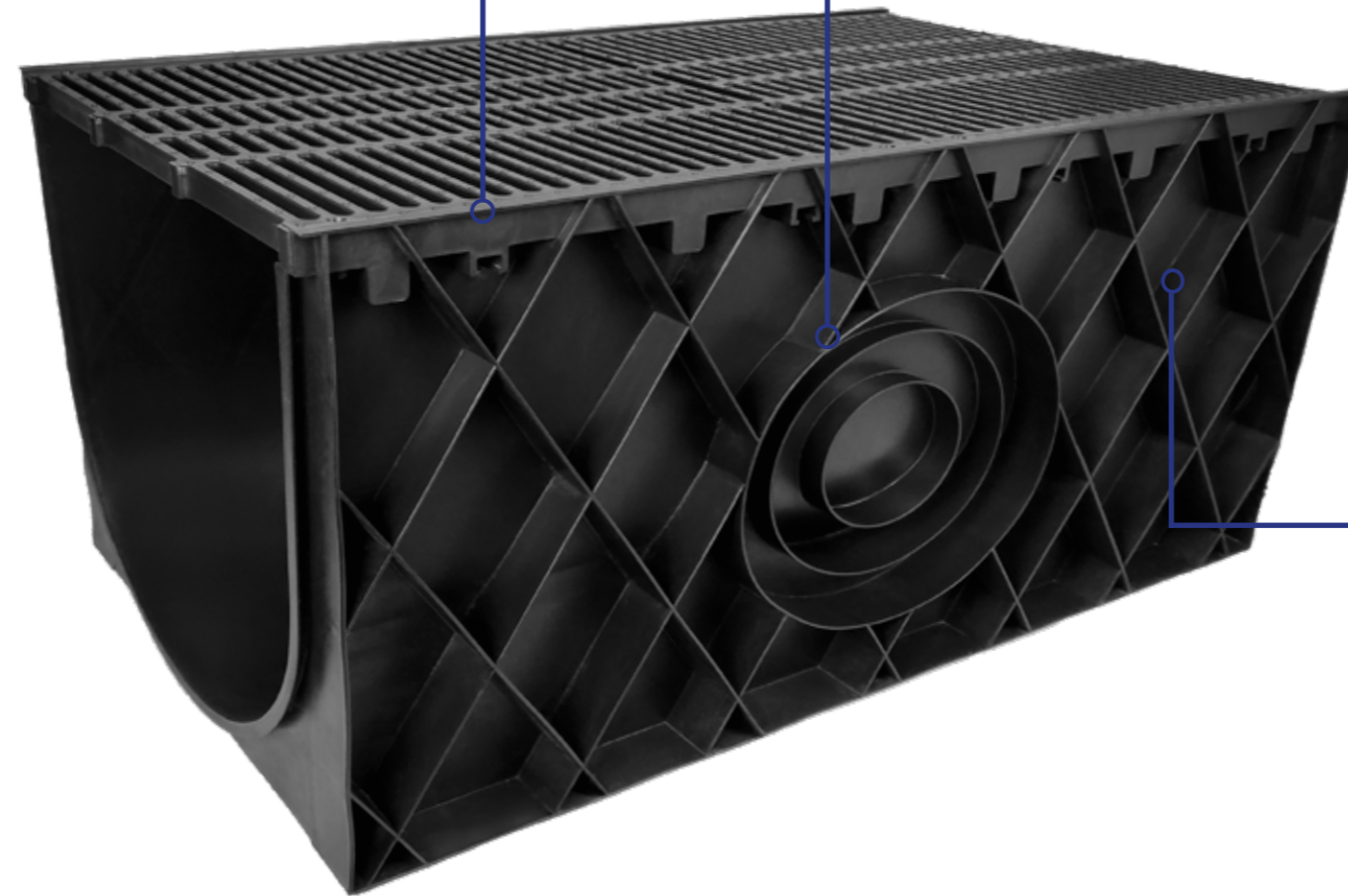


Stainless Steel Edge Rail

The Lite Prem 400 drainage channel can be equipped with a stainless steel edge rail, which significantly enhances both the durability and load-bearing strength of the system. By reinforcing the channel edges, the stainless steel rail protects against wear and tear from frequent use, making it ideal for environments with increased traffic demands. This added strength not only extends the life of the drainage system but also provides greater stability under pressure, reducing the risk of deformation or damage over time.

Channel Size Options

There is an array of depth options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With six diverse size choices available, ranging from 195mm to 550mm depths, customers can select the perfect dimensions to match their project's needs.



Material

The Lite Prem 400 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.

Load Classes



A15

Depth Options

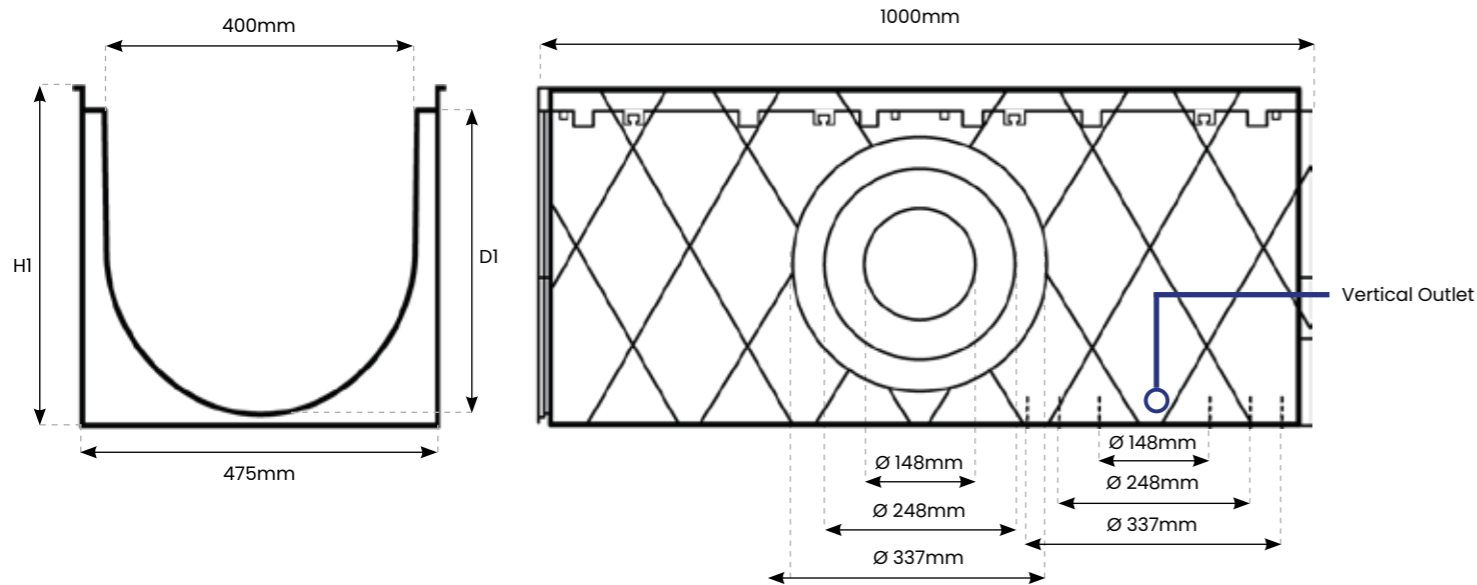


450mm

LITE Prem 400

The Lite Prem Plus is a lightweight, flexible, and durable drainage system designed for A15 load capacity. For added strength and durability, an optional attachable edge rail can be included, offering greater adaptability to suit various needs.

Lite Prem 400 - Diagram



Grating



Composite Slotted Black (A15)



Composite Slotted Black + Stainless Steel Edge Rail (A15)

* The Lite Prem Plus channel, without the edge rail, supports load classes from A15 to C250, depending on the grating used.
 ** The channel itself can handle up to F900, but to achieve any load class from C250 to F900, the channel must be equipped with the optional edge rail for enhanced performance and strength.

Lite Prem 400 - Specifications

Reference	Description	Overall Depth (H1)	Internal Depth (D1)	Overall Width	Internal Width	Length	Vertical Outlet	Load Class
LPP.400.CSB	Lite Prem Plus 400 Composite Slotted Black Grating	450mm	420mm	475mm	400mm	1000mm	148/248/337mm	A15
LPP.400.CSB.ER	Lite Prem Plus 400 + Edge Rail Composite Slotted Black Grating	450mm	420mm	480mm	400mm	1000mm	148/248/337mm	A15

Accessories

Stainless Steel Edge Rail

The edge rail is made from 1mm thick stainless steel for lateral channel protection. Every 1m channel requires 2 steel edge rails.



Stainless Steel Edge Rail

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap Outlet

Side Clamp

A 1 metre channel requires 8 stainless steel side clamps for secure attachment to the concrete.



Side Clamp

Bolt & Bar

A bolt and bar mechanism is utilised for added security, effectively locking the grating into place for enhanced stability.



Bolt & Bar

Accessories - Specifications

Reference	Description	Height	Overall Width	Length	Outlet
ECO.LPP.400	Lite Prem Plus 400 End Cap Outlet	445mm	475mm	35mm	148/248mm
LPP.400.CSBG	Lite Prem Plus 400 Composite Slotted Black Grating	28mm	450mm	500mm	-

LITE Prem 500

LITE Prem 500

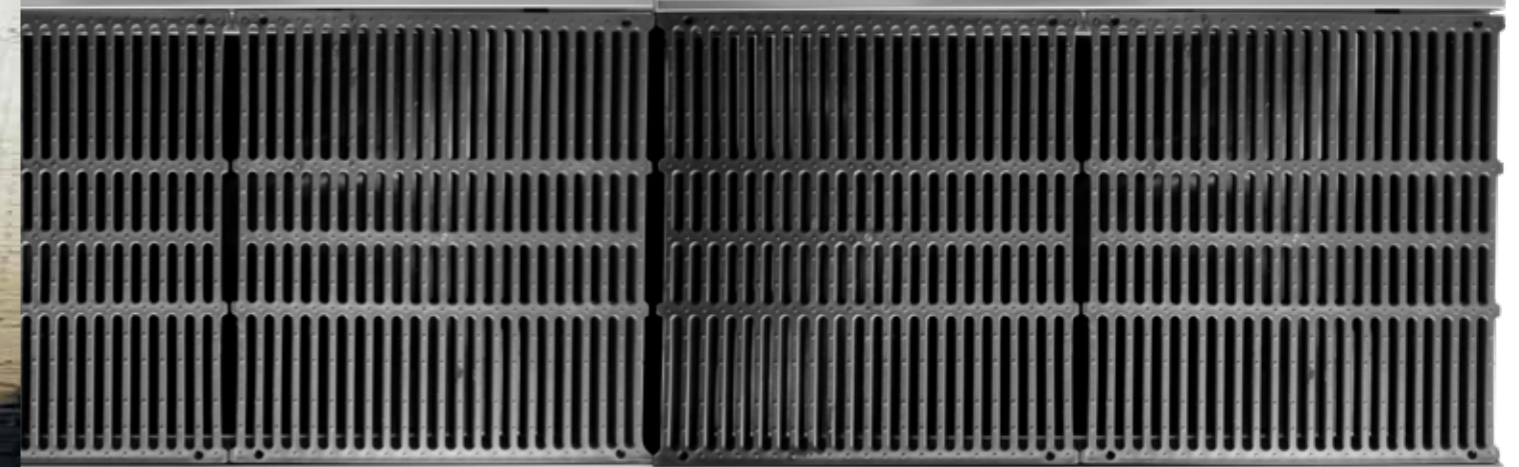
The Lite Prem 500 channel supplied by Polycon boasts exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem 500 system has been designed and manufactured from High-Density Polyethylene (HDPE). This has many features and benefits, tailored for high-performance drainage systems and efficient water flow.

The material properties mean the Lite Prem system can withstand significant impacts and creates a long-lasting life cycle without aggressive maintenance. One of the standout features of the Lite Prem 500 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.

Regarding efficient water management, the Lite Prem 500 channel truly excels. Its quick water flow capability ensures rapid drainage, minimising the risk of water pooling and related issues. With a magnitude of different depths, the Lite Prem 500 has the flexibility to customise drainage solutions to suit specific needs.

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Load Classes



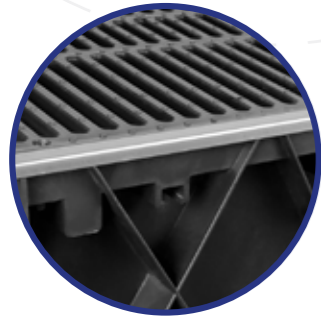
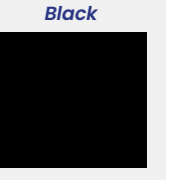
A15
1.5 tonnes

Applications

- Landscaping Areas
- Pedestrian Areas

LITE Prem 500 - Overview

Channel Colour Options

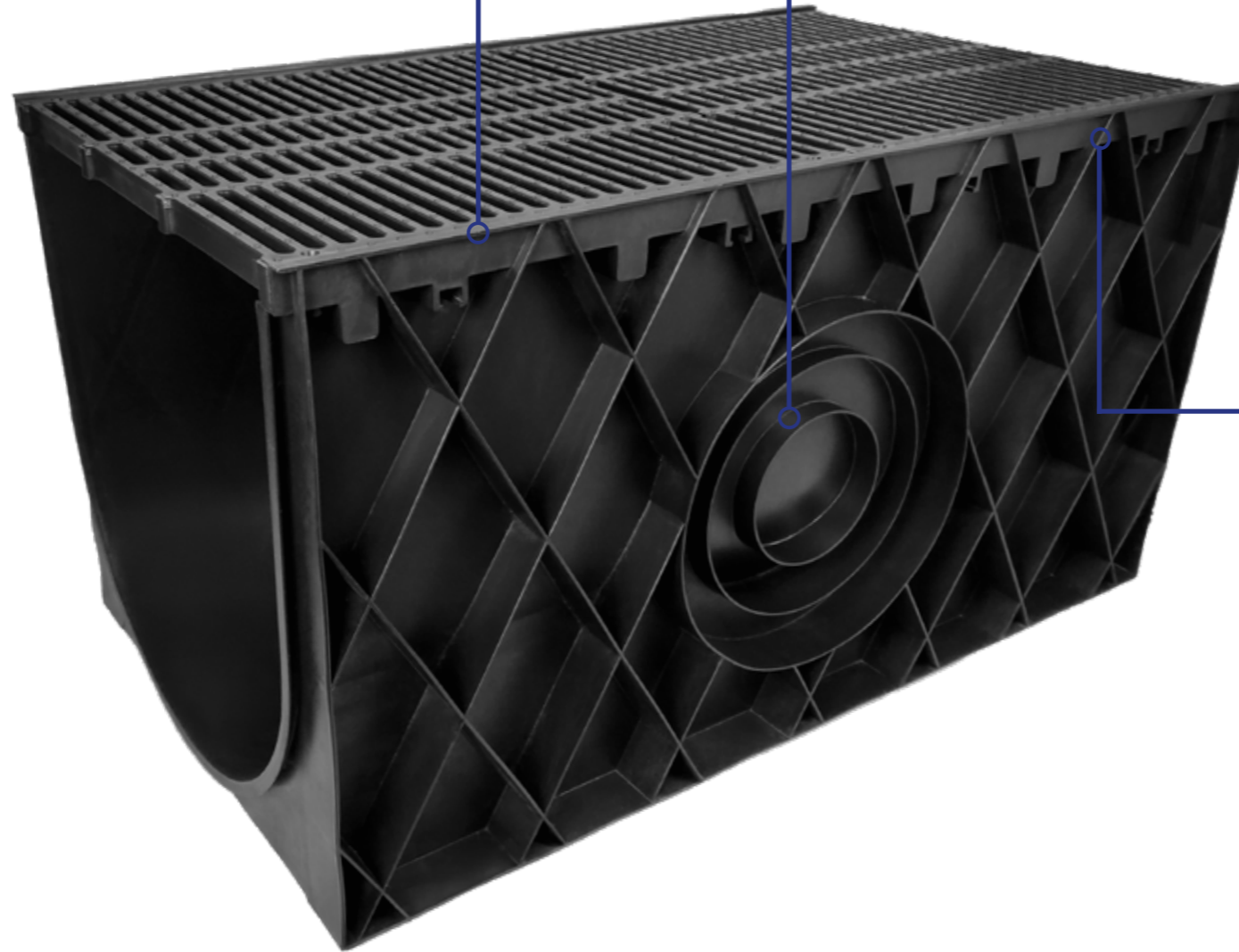


Stainless Steel Edge Rail

The Lite Prem 500 drainage channel can be equipped with a stainless steel edge rail, which significantly enhances both the durability and load-bearing strength of the system. By reinforcing the channel edges, the stainless steel rail protects against wear and tear from frequent use, making it ideal for environments with increased traffic demands. This added strength not only extends the life of the drainage system but also provides greater stability under pressure, reducing the risk of deformation or damage over time.

Channel Size Options

There is an array of depth options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With six diverse size choices available, ranging from 195mm to 550mm depths, customers can select the perfect dimensions to match their project's needs.



Material

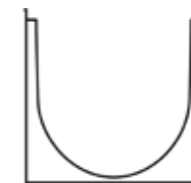
The Lite Prem 500 is a lightweight plastic drainage channel. The material is both incredibly light and has a strong exterior. This helps to reduce labour expenses because little to no machinery is required for installation. It is a long-lasting option for urban projects, and because of its improved protection, water vapour cannot pass through it.

Load Classes



A15

Depth Options

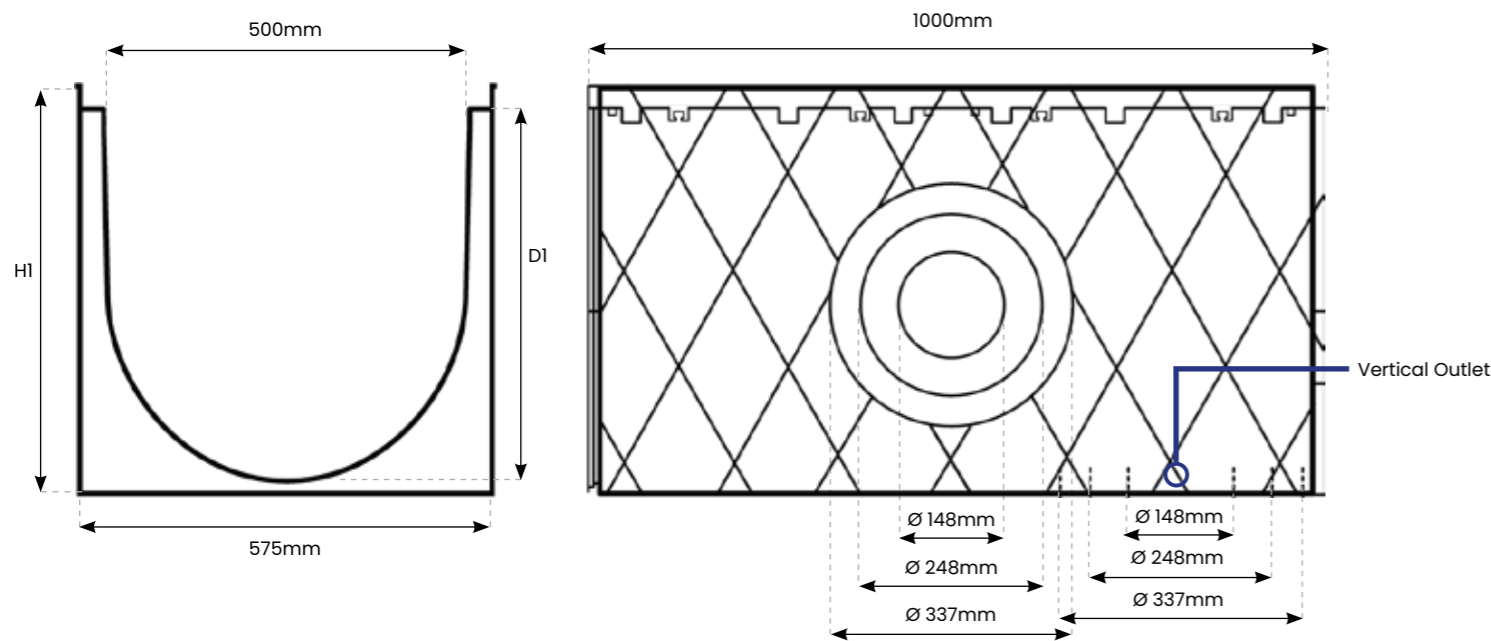


550mm

LITE Prem 500

The Lite Prem Plus is a lightweight, flexible, and durable drainage system designed for A15 load capacity. For added strength and durability, an optional attachable edge rail can be included, offering greater adaptability to suit various needs.

Lite Prem Plus 550mm - Diagram



Grating



Composite Slotted Black (A15)



Composite Slotted Black + Stainless Steel Edge Rail (A15)

* The Lite Prem Plus channel, without the edge rail, supports load classes from A15 to C250, depending on the grating used.
 ** The channel itself can handle up to F900, but to achieve any load class from C250 to F900, the channel must be equipped with the optional edge rail for enhanced performance and strength.

Lite Prem 500 - Specifications

Reference	Description	Overall Depth (H1)	Internal Depth (D1)	Overall Width	Internal Width	Length	Vertical Outlet	Load Class
LPP.500.CSB	Lite Prem Plus 500 Composite Slotted Black Grating	550mm	520mm	575mm	500mm	1000mm	148/248/337mm	A15
LPP.500.CSB.ER	Lite Prem Plus 500 + Edge Rail Composite Slotted Black Grating	550mm	520mm	580mm	500mm	1000mm	148/248/337mm	A15

Accessories

Stainless Steel Edge Rail

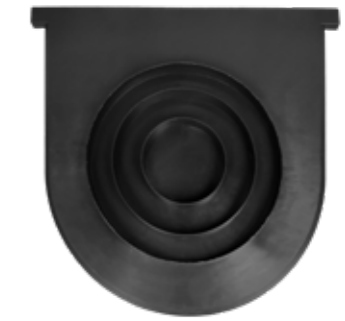
The edge rail is made from 1mm thick stainless steel for lateral channel protection. Every 1m channel requires 2 steel edge rails.



Stainless Steel Edge Rail

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap Outlet

Side Clamp

A 1 metre channel requires 8 stainless steel side clamps for secure attachment to the concrete.



Side Clamp

Bolt & Bar

A bolt and bar mechanism is utilised for added security, effectively locking the grating into place for enhanced stability.



Bolt & Bar

Accessories - Specifications

Reference	Description	Height	Overall Width	Length	Outlet
ECO.LPP.500	Lite Prem Plus 500 End Cap Outlet	545mm	575mm	35mm	148/248/337mm
LPP.500.CSBG	Lite Prem Plus 500 Composite Slotted Black Grating	28mm	550mm	500mm	-



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