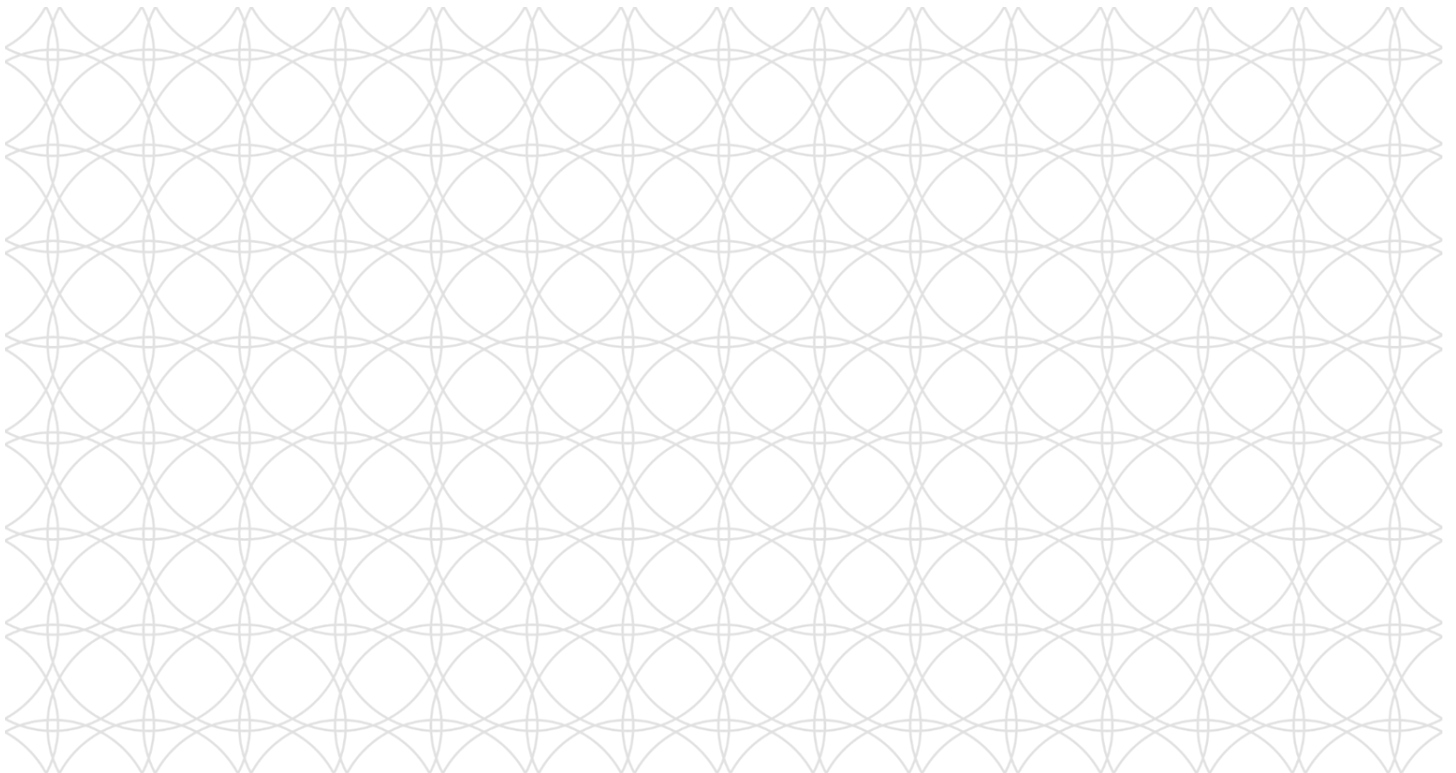


Barnsley Pedestrian Bridge.

Luminaire datasheets.

BGW2-HLE-PB-XX-SC-LE-C385-0001V4
08 MARCH 2022



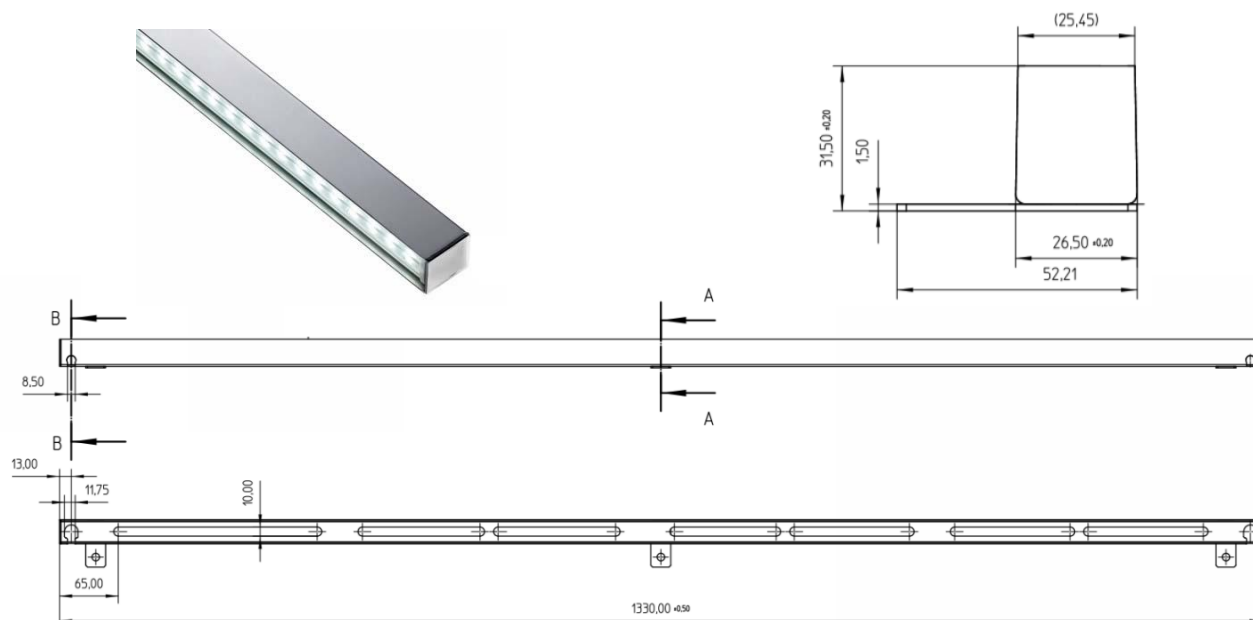
Audit sheet.

Rev	Date	Description	Prepared	Verified
01	05.11.19	New bridge design	CF	DLB
02	28.11.19	Products refined	DLB	BP
03	27.04.20	Doc ref and issue aligned	DLB	HD
04	08.03.22	EX5, EX6 removed, EX7, EX8 added	DLB	CF

This Datasheet is provided for the stated purposes and for the sole use of the named Client. It will be confidential to the Client and the client's professional advisers. Hoare Lea accepts responsibility to the Client alone that the report has been prepared with the skill, care and diligence of a competent designer, but accepts no responsibility whatsoever to any parties other than the Client. Any such parties rely upon the report at their own risk. Neither the whole nor any part of the report nor reference to it may be included in any published document, circular or statement nor published in any way without Hoare Lea's written approval of the form and content in which it may appear.

Barnsley Bridge.

Luminaire reference: EX1AL

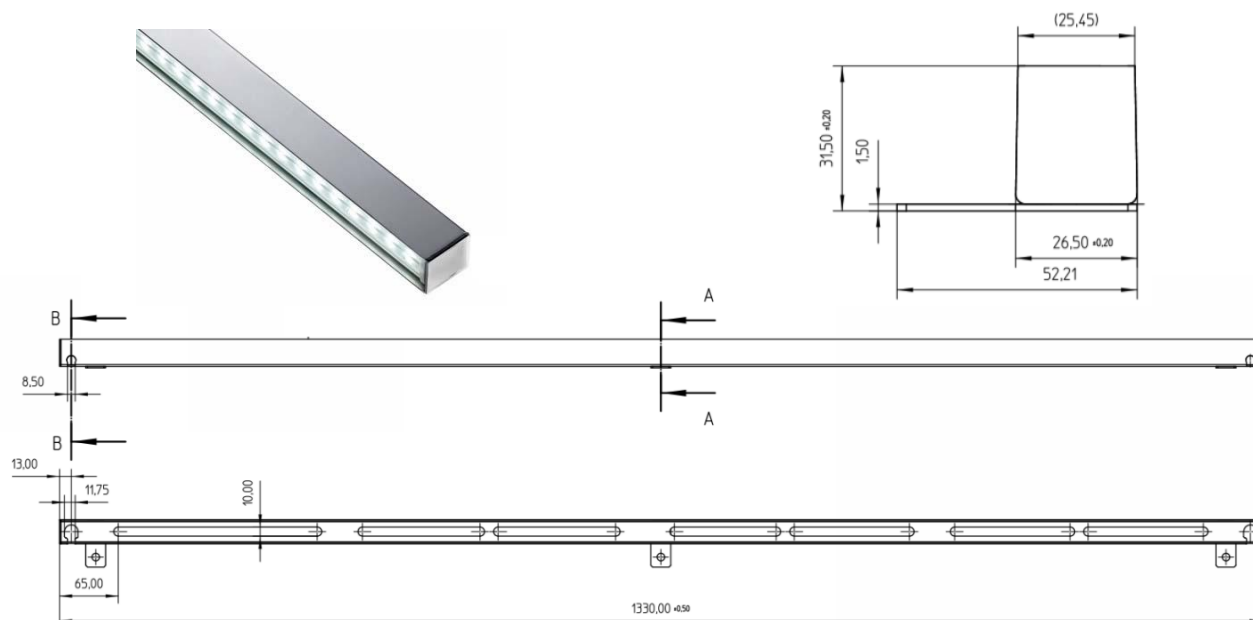


Manufacturer	Insta	Product code	iL4020LH
Product name	4020LH	Dimensions - Length	1360 mm
Product description	Exterior linear luminaire	Dimensions - Width	31.5 mm
Mounting type	Fixed bracket	Dimensions - Height	52.21 mm incl bracket
Lamp type	13.2W LED, 4000K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	> 78 lm/W	Notes	Luminaire mounted on bridge walkway to illuminate deck. Mounting bracket detail designed for the project. Manufacturer can provide a bracket to suit. Design TBC by contractor prior to order. Options are available for cable entry position (end/side/bottom etc) – Position TBC by contractor prior to order. Leader fitting – to be provided pre-wired with 10m flex.
Finish	Stainless Steel		
Control gear	Integral		
IP/IK rating	IP67 IK10		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX1A

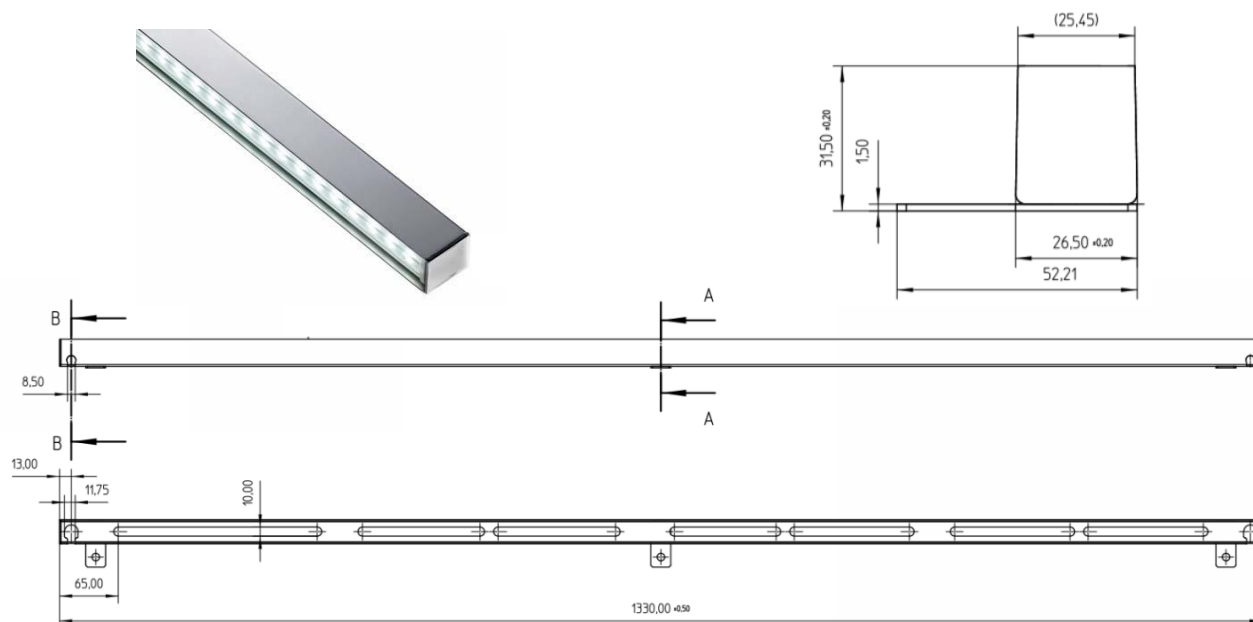


Manufacturer	Insta	Product code	iL4020LH
Product name	4020LH	Dimensions - Length	1360 mm
Product description	Exterior linear luminaire	Dimensions - Width	31.5 mm
Mounting type	Fixed bracket	Dimensions - Height	52.21 mm incl bracket
Lamp type	13.2W LED, 4000K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	> 78 lm/W	Notes	Luminaire mounted on bridge walkway to illuminate deck. Mounting bracket detail designed for the project. Manufacturer can provide a bracket to suit. Design TBC by contractor prior to order. Options are available for cable entry position (end/side/bottom etc) – Position TBC by contractor prior to order. Fittings to be installed end to end. To include loop in and out lead pre-fitted with IP rated plug/socket.
Finish	Stainless Steel		
Control gear	Integral		
IP/IK rating	IP67 IK10		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A. I. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX1AF

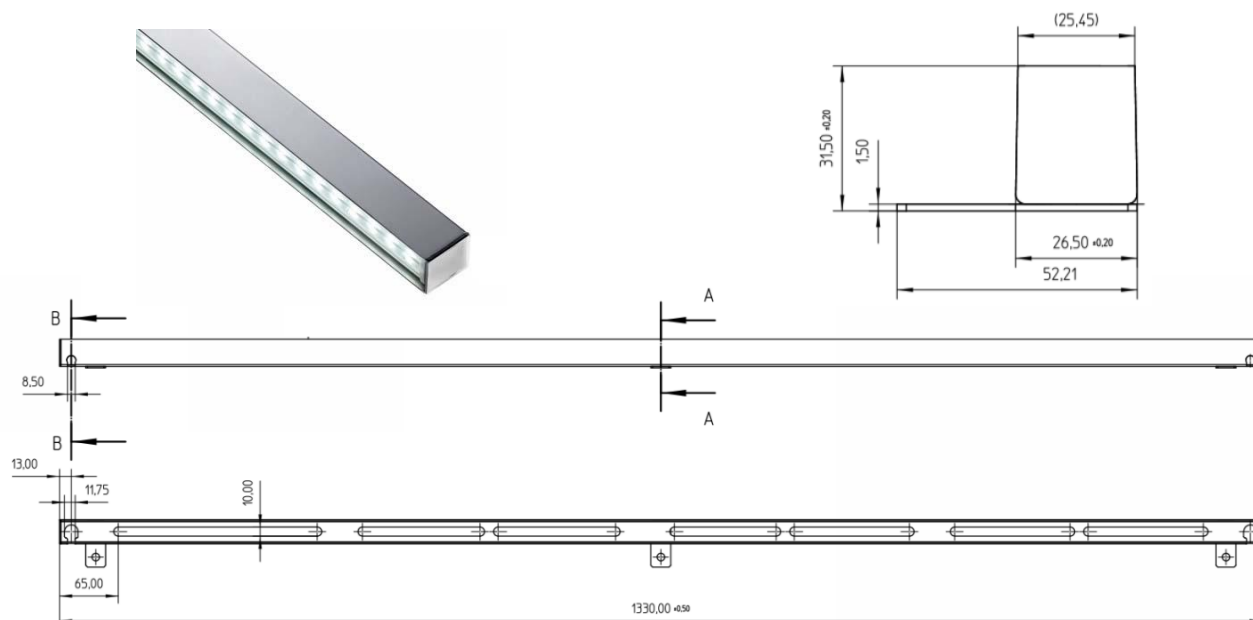


Manufacturer	Insta	Product code	iL4020LH
Product name	4020LH	Dimensions - Length	1360 mm
Product description	Exterior linear luminaire	Dimensions - Width	31.5 mm
Mounting type	Fixed bracket	Dimensions - Height	52.21 mm incl bracket
Lamp type	13.2W LED, 4000K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	> 78 lm/W	Notes Luminaire mounted on bridge walkway to illuminate deck. Mounting bracket detail designed for the project. Manufacturer can provide a bracket to suit. Design TBC by contractor prior to order. Options are available for cable entry position (end/side/bottom etc) – Position TBC by contractor prior to order. Fittings to be installed end to end. End fitting - To include loop in (no out) lead pre-fitted with IP rated plug/socket.	
Finish	Stainless Steel		
Control gear	Integral		
IP/IK rating	IP67 IK10		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A. I. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX1BL

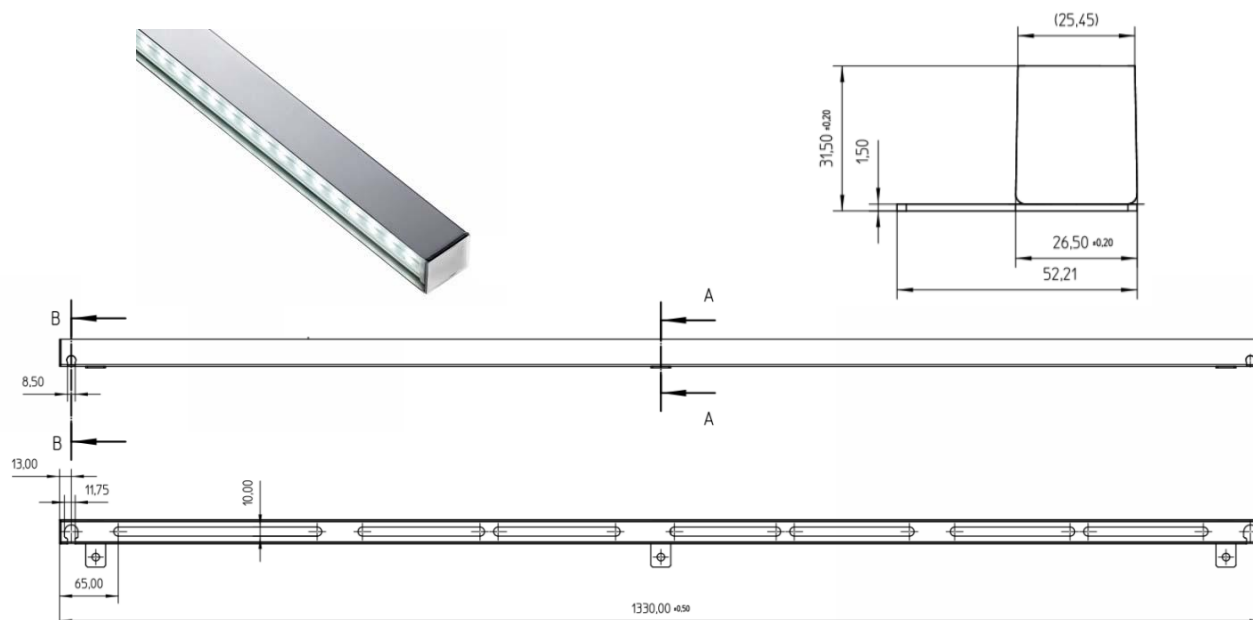


Manufacturer	Insta	Product code	iL4020LH
Product name	4020LH	Dimensions - Length	1035 mm
Product description	Exterior linear luminaire	Dimensions - Width	31.5 mm
Mounting type	Fixed bracket	Dimensions - Height	52.21 mm incl bracket
Lamp type	10W LED, 4000K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	> 78 lm/W	Notes	
Finish	Stainless Steel		Luminaire mounted on bridge walkway to illuminate deck.
Control gear	Integral		Mounting bracket detail designed for the project. Manufacturer can provide a bracket to suit. Design TBC by contractor prior to order.
IP/IK rating	IP67 IK10		Options are available for cable entry position (end/side/bottom etc) – Position TBC by contractor prior to order.
			Leader fitting – to be provided pre-wired with 10m flex.

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

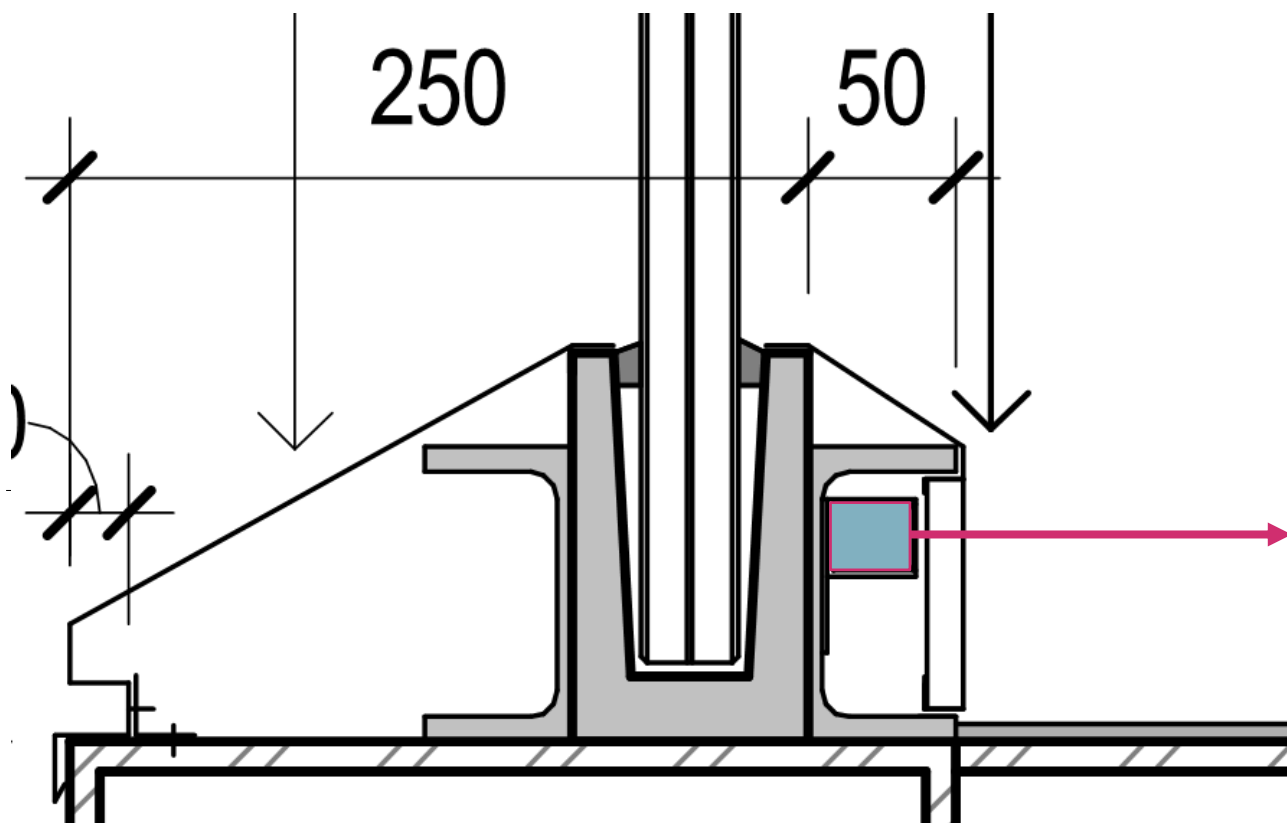
Barnsley Bridge.

Luminaire reference: EX1BF

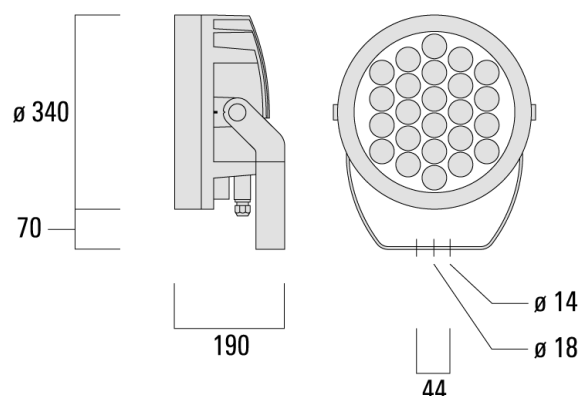


Manufacturer	Insta	Product code	iL4020LH
Product name	4020LH	Dimensions - Length	1035 mm
Product description	Exterior linear luminaire	Dimensions - Width	31.5 mm
Mounting type	Fixed bracket	Dimensions - Height	52.21 mm incl bracket
Lamp type	10W LED, 4000K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	> 78 lm/W	Notes	
Finish	Stainless Steel		Luminaire mounted on bridge walkway to illuminate deck.
Control gear	Integral		Mounting bracket detail designed for the project. Manufacturer can provide a bracket to suit. Design TBC by contractor prior to order.
IP/IK rating	IP67 IK10		Options are available for cable entry position (end/side/bottom etc) - Position TBC by contractor prior to order.
			End fitting - To include loop in (no out) lead pre-fitted with IP rated plug/socket.

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.**Luminaire reference: EX1 Fitment**

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

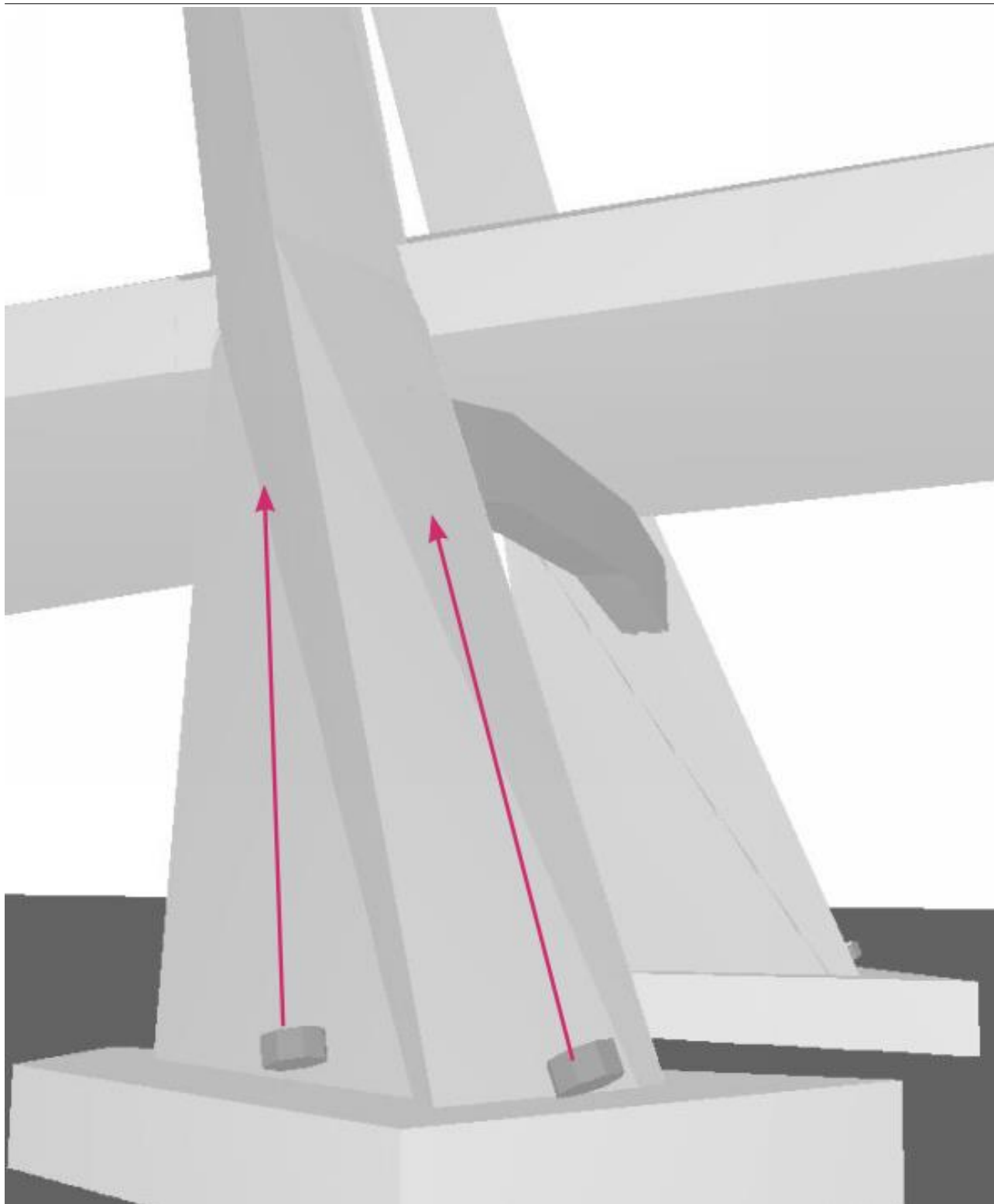
Barnsley Bridge.**Luminaire reference: EX2**

Manufacturer	We-ef	Product code	139-1823 + 139-1857
Product name	FLC240	Dimensions – Diameter	340 mm
Product description	Projector	Dimensions – Depth	190 mm
Mounting type	Fixed bracket	Emergency	-
Lamp type	10800 lm, 81W LED, 4000K	Accessory	Internal Louvre
Optic	Very narrow beam	Notes	Mounted with structural recess detail to base of pylons. Mounting detail TBC. To be ordered with internal glare control louvre
Performance	133 lm/W		
Finish	TBC		
Control gear	Integral		
IP/IK rating	IP66 IK07		

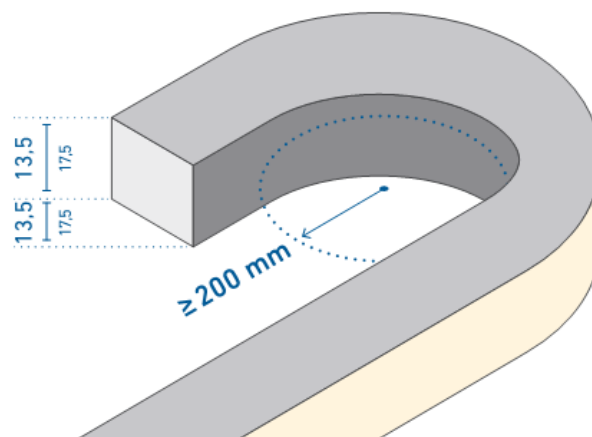
Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX2 Fitment



Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

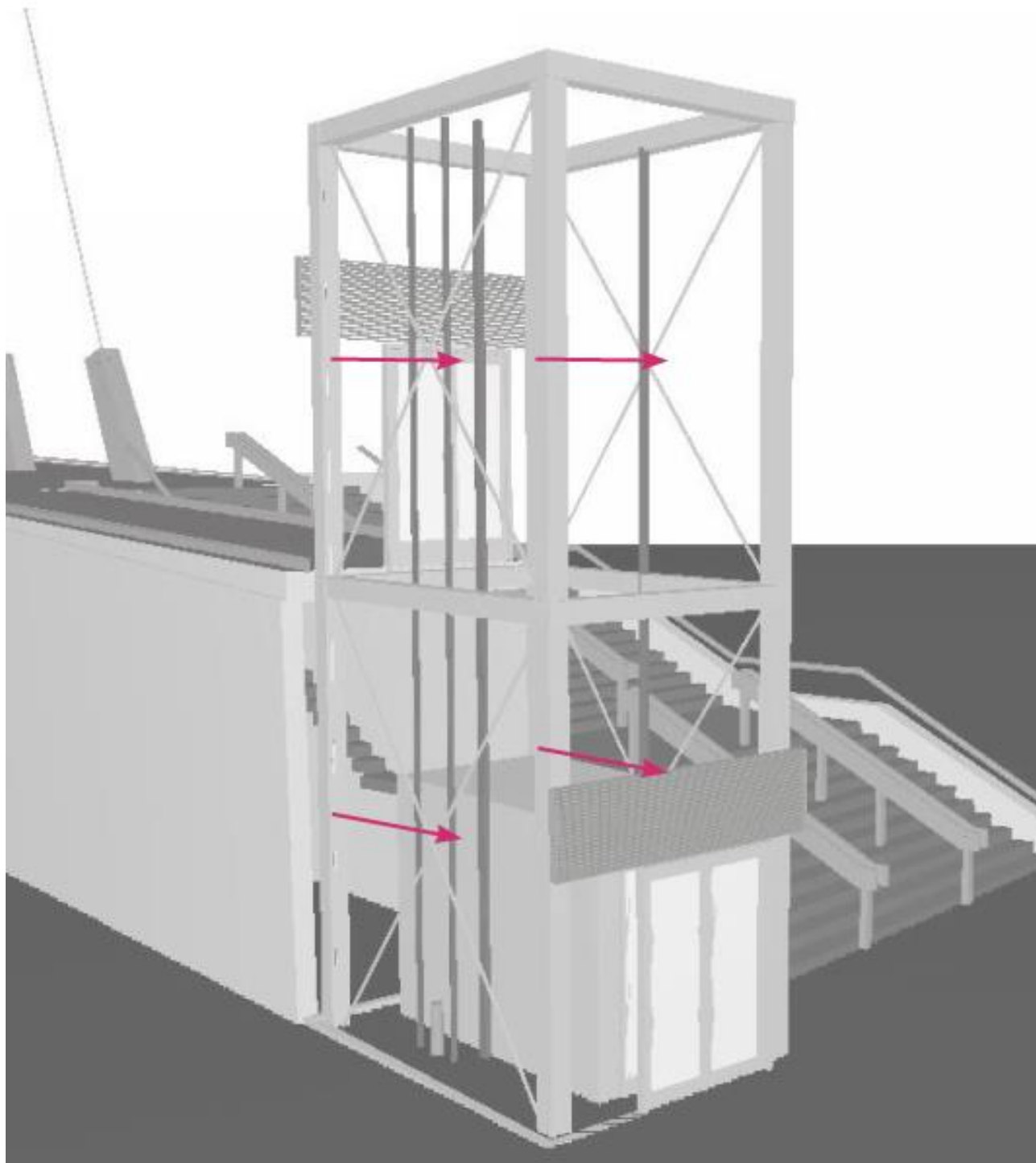
Barnsley Bridge.**Luminaire reference: EX3**

Manufacturer	Insta	Product code	TBC
Product name	Aqualuc Wave	Dimensions – Length	Lengths TBC
Product description	Exterior linear luminaire	Dimensions – Width	13.5 mm
Mounting type	TBC	Dimensions - Height	13.5 mm
Lamp type	8W/m LED, 4200K	Emergency	-
Optic	120° beam angle	Accessory	-
Performance	94 lm/W	Notes	To be mounted in Aqualuc Wave 13.5mm x 13.5mm aluminium anodised mounting profile. To be supplied with IP65 150W driver 66004815. Lengths TBC.
Finish	White		
Control gear	Remote		
IP/IK rating	IP67/68		

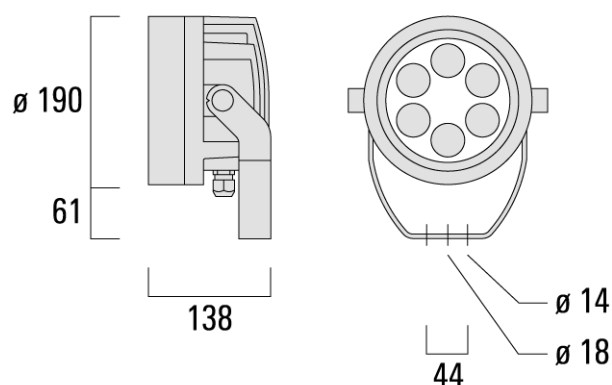
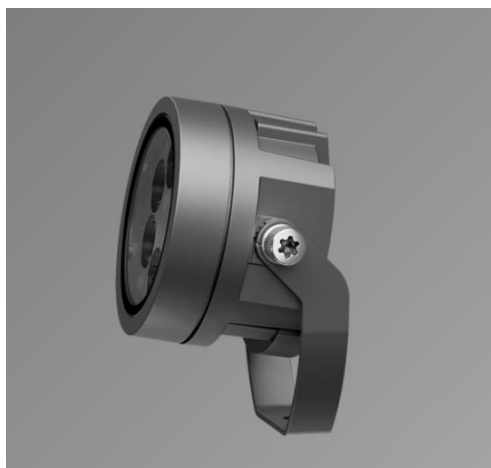
Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX3 Fitment



Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

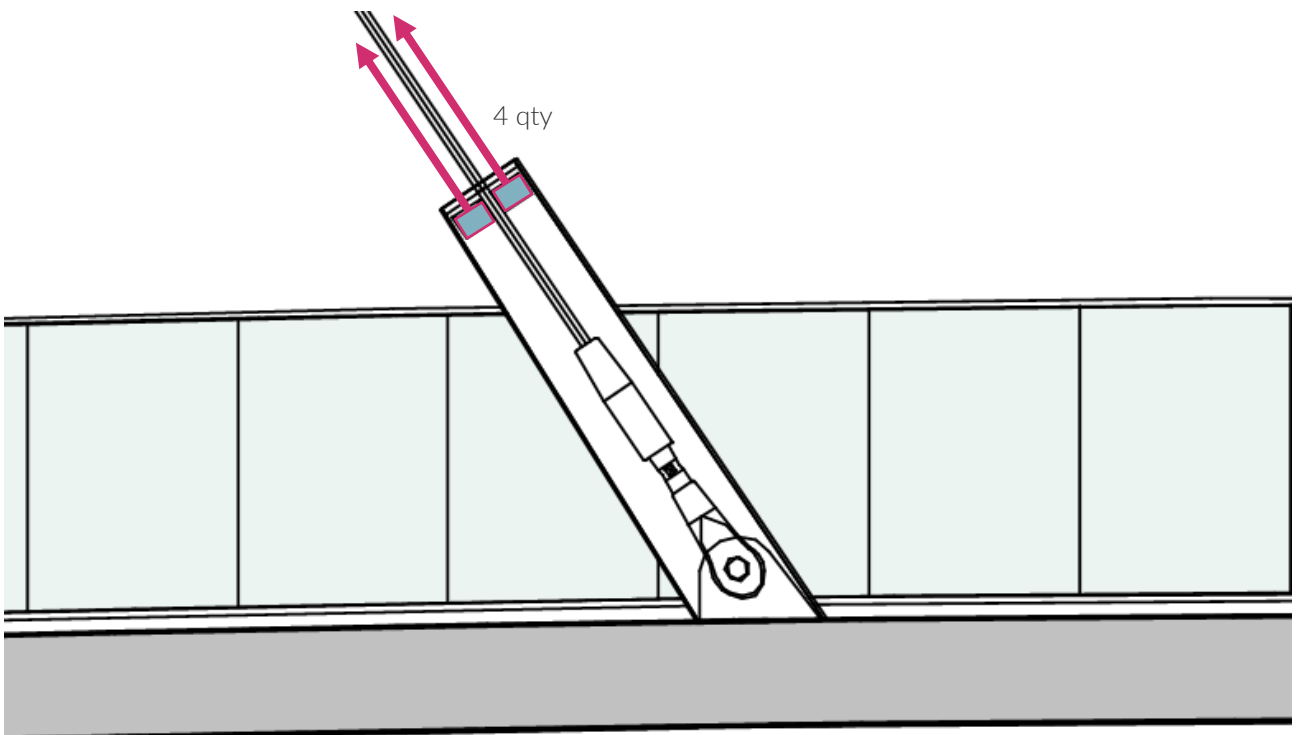
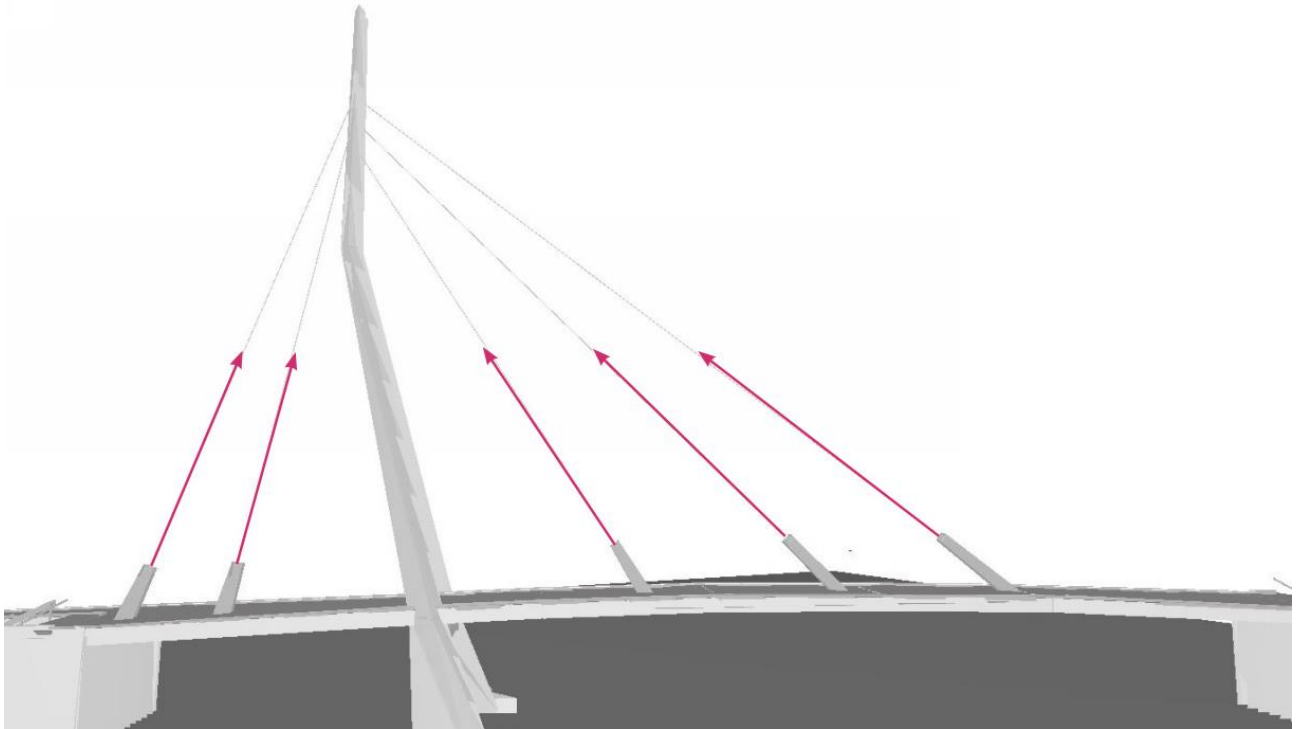
Barnsley Bridge.**Luminaire reference: EX4**

Manufacturer	We-ef	Product code	139-2006
Product name	FLC220	Dimensions - Diameter	190 mm
Product description	Projector	Dimensions - Depth	138 mm
Mounting type	Bespoke cable mounting	Emergency	-
Lamp type	1879 lm, 15W, LED, 4000K	Accessory	TBC
Optic	Very narrow beam	Notes	Mounted to cables in groups of four. Mounting detail TBC.
Performance	125 lm/W		
Finish	TBC		
Control gear	Integral		
IP/IK rating	IP66 IK07		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

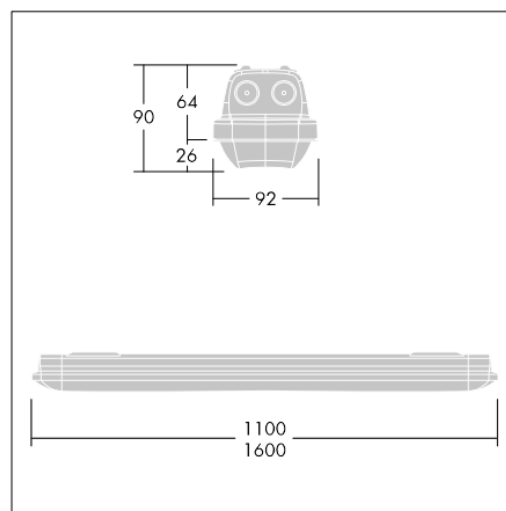
Luminaire reference: EX3 Fitment



Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

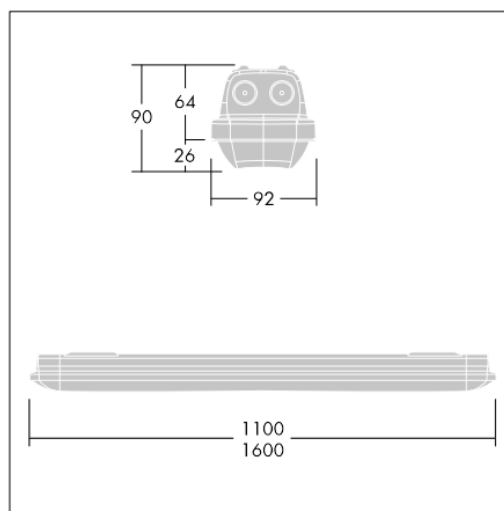
Barnsley Bridge.

Luminaire reference: EX7



Manufacturer	Thorn	Product code	AQFPRO L LED4300-840 PC MB HF
Product name	Aquaforce Pro	Dimensions - Length	1100 mm
Product description	Plant room luminaire	Dimensions - Width	92 mm
Mounting type	Surface mounted	Dimensions - Height	90 mm
Lamp type	4520lm 33W LED, 4000K	Emergency	-
Optic	Medium beam angle	Accessory	-
Performance	139 lm/W	Notes	Mounted in plant rooms to soffit or suspended from soffit - refer to drawings for mounting heights.
Finish	Grey		
Control gear	Integral		
IP/IK rating	IP66 IK08		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

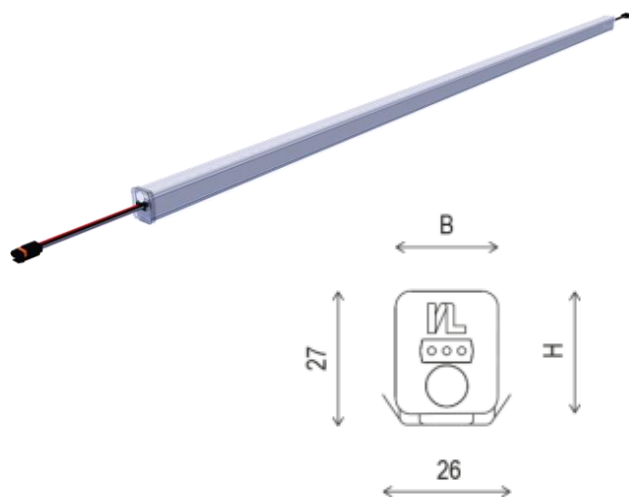
Barnsley Bridge.**Luminaire reference: EX7E**

Manufacturer	Thorn	Product code	AQFPRO L LED4300-840 PC MB HF E3
Product name	Aquaforce Pro	Dimensions - Length	1100 mm
Product description	Plant room luminaire	Dimensions - Width	92 mm
Mounting type	Surface mounted	Dimensions - Height	90 mm
Lamp type	4520lm 33W LED, 4000K	Emergency	Integral
Optic	Medium beam angle	Accessory	-
Performance	139 lm/W	Notes	Mounted in plant rooms to soffit or suspended from soffit - refer to drawings for mounting heights.
Finish	Grey		
Control gear	Integral		
IP/IK rating	IP66 IK08		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX8



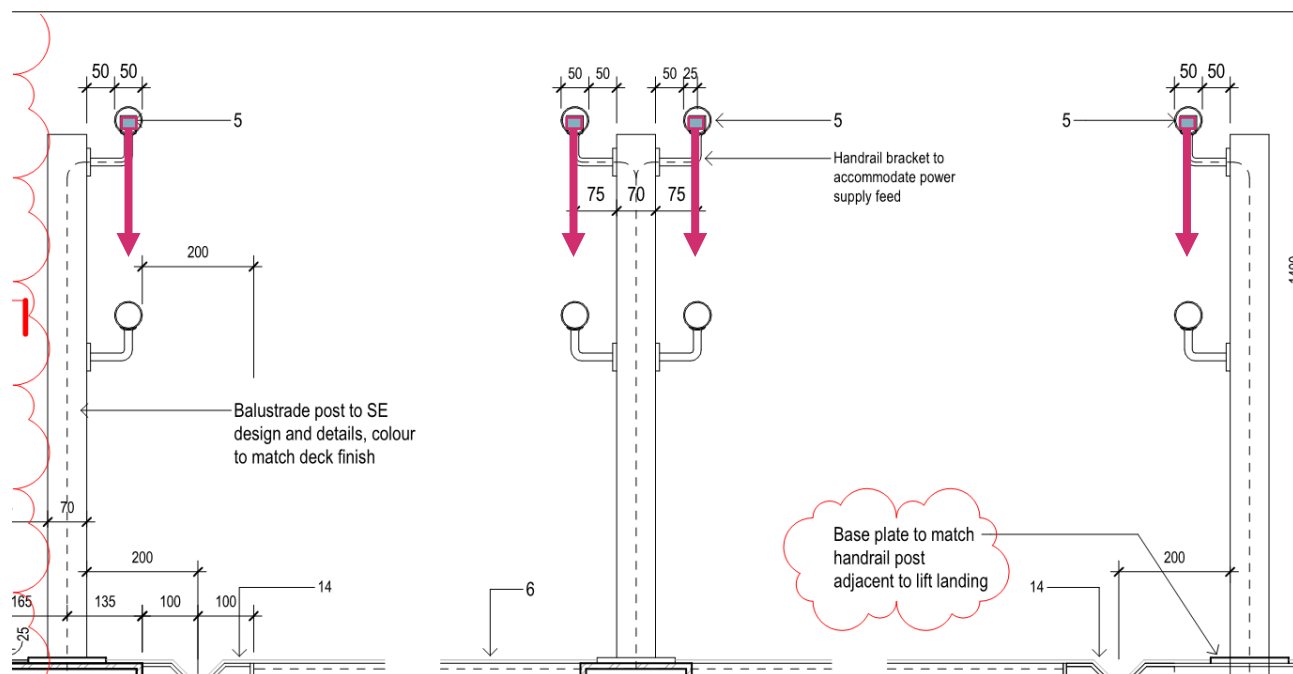
EX8-1	497mm
EX8-2	578mm
EX8-3	822mm
EX8-4	903mm
EX8-5	984mm
EX8-6	1065mm
EX8-7	1878mm
EX8-8	1959mm

Manufacturer	Insta	Product code	LL 984 A 940 DF L2
Product name	Ledlux LS	Dimensions - Length	See table above
Product description	Exterior linear luminaire	Dimensions - Width	26 mm
Mounting type	Handrail mounted	Dimensions - Height	27 mm
Lamp type	16.5W/m LED, 4000K	Emergency	-
Optic	Diffused	Accessory	Remote drivers
Performance	90 lm/W	Notes	Luminaire mounted within handrail to illuminate steps Mounting detail TBC. Product lengths to be confirmed prior to order. Requires remote control gear – location TBC. Supplier to advise driver requirements/sizes/quantities when locations are confirmed. Options are available for the connector type – manufacturer can advise. Commissioning dimmer(s) to be included to allow light levels to be set during installation. Quantity TBC.
Finish	N/A		
Control gear	Remote 48V		
IP/IK rating	IP65		

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Barnsley Bridge.

Luminaire reference: EX8 Fitment



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Barnsley Bridge.

Control Methodology

Type	Location	Manufacturer	Product	Wattage	CCT	Control	Operational Hours
EX1	Bridge Deck	Insta	il4020LH	19W/m	4000K	Switched	Dusk to dawn
EX2	Pylons (External faces)	We-ef	FLC240	81W	4000K	Switched	Dusk to dawn
EX3	Lift Structure	Insta	Aqualuc Wave	8W/m	4000K	Switched	Dusk to dawn
N/A	Lift car	To be supplied by lift manufacturer - specification to be agreed with design team					
EX4	Tensile Cables	We-ef	FLC220	15W	4000K	Switched	Dusk to dawn
EX8	Illuminated Handrail	Insta	LedLUX LS	16.5W/m	4000K	Switched *	Dusk to dawn
EX7/EX7E	Plant Room	Thorn	Aquaforce	33W	4000K	Switched	Manually Switched

* Commissioning dimmer(s) to be included to allow the light level to be set during construction. Quantity of dimmers TBC dependant on driver layouts/quantities.

The number of light fittings and their position and operation will be dependant on the architectural and structural design, the handrail design and the lift and structure design.

Note: Prices quoted are manufacturers trade price (£Sterling) excluding V.A.T. Product codes, quantities and prices are for reference only and should be confirmed prior to order placement. Dimensions and technical details are for information only. Installation data should be obtained direct from manufacturer.

Thank you.
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