**Description**

IP67. 12V - 24V AC/DC. Class III. IK09. Stainless steel construction including PCS hardware. Silicone rubber gasket. Safety glass lens; max. load 5 tonnes. Luminaire can be driven over at low speed. Factory-sealed termination chamber complete with cable gland and 1.5 m of flexible PVC free cable. IP68 in-line connector facilitates easy removal for off-site lamp replacement. Electronic converter required. To be ordered separately. CAD-optimised optics for superior illumination and glare control. Factory installed LED circuit board.

The optional installation blackout is recommended for mounting. To be ordered separately.

The luminaire is not suitable for permanent underwater operation.

**Specifications****Material description**

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Body	Stainless steel construcion
Lens	Safety glass lens; max. load 5 tonnes
Colours	 Stainless Steel
Gasket	Silicone rubber gasket
Fasteners	PCS polymer coated stainless steel
Ingress protection	IP67
Impact resistance	IK09
Corrosion resistance	5CE

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**Electrical description**

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Driver / Ballast	Electronic converter required. To be ordered separately.
Surge protection	1/2 kV (optional SP10)

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**Additional information**

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Lifetime	Ta=25° L90B10 > 90000h
Energy efficiency class	C-D (Light source)

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### Options

#### Light distribution



symmetric, medium beam [M]



symmetric, very narrow beam [EE]



linear spread, very narrow beam [EE]



symmetric, very narrow beam, sharp cut-off [EES]



linear spread, very narrow beam, sharp cut-off [EES]

#### Colour temperature



3000 K



4000 K

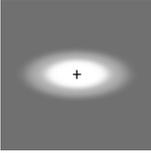
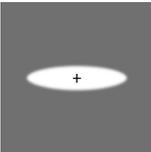
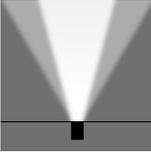
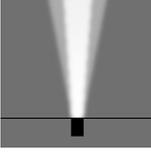
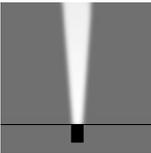


2700 K

#### Nominal Watt

4 W

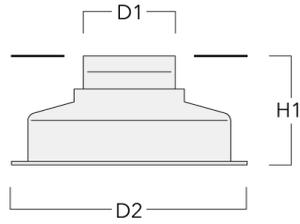
## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
linear spread, very narrow beam [EE] 	185-2778+185-0895	LED-3/3W / 24V AC/DC - 3000 K	334.3	3.8 W	80	1.20
	185-2783+185-0895	LED-3/3W / 24V AC/DC - 4000 K	366.7	3.8 W	80	1.20
	185-3193+185-0895	LED-3/3W / 24V AC/DC - 2700 K	312.8	3.8 W	80	1.10
linear spread, very narrow beam, sharp cut-off [EES] 	185-2779+185-0895	LED-3/3W / 24V AC/DC - 3000 K	343.1	3.8 W	80	1.20
	185-2784+185-0895	LED-3/3W / 24V AC/DC - 4000 K	376.3	3.8 W	80	1.20
	185-3539+185-0895	LED-3/3W / 24V AC/DC - 2700 K	321	3.8 W	80	1.10
symmetric, medium beam [M] 	185-2777+185-0895	LED-3/3W / 24V AC/DC - 3000 K	353.5	3.8 W	80	1.10
	185-2782+185-0895	LED-3/3W / 24V AC/DC - 4000 K	387.7	3.8 W	80	1.10
	185-3538	LED-3/3W / 24V AC/DC - 2700 K	330.7	3.8 W	80	1.10
symmetric, very narrow beam [EE] 	185-2778	LED-3/3W / 24V AC/DC - 3000 K	361.3	3.8 W	80	1.10
	185-2783	LED-3/3W / 24V AC/DC - 4000 K	396.3	3.8 W	80	1.10
	185-3193	LED-3/3W / 24V AC/DC - 2700 K	338	3.8 W	80	1.10
symmetric, very narrow beam, sharp cut-off [EES] 	185-2779	LED-3/3W / 24V AC/DC - 3000 K	361.2	3.8 W	80	1.10
	185-2784	LED-3/3W / 24V AC/DC - 4000 K	396.2	3.8 W	80	1.10
	185-3539	LED-3/3W / 24V AC/DC - 2700 K	337.9	3.8 W	80	1.10

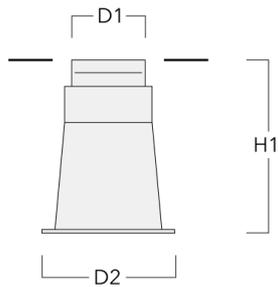
**Mounting Accessories**

**Installation blackout**

Description	Part ID	D1	D2	H1	Weight (kg)	D	H
Blockout, Plastic (shallow)	185-0412	95	240	110	0.50	95/240	110



Blockout, Plastic (deep)	185-0797	95	170	220	0.50	95/170	220
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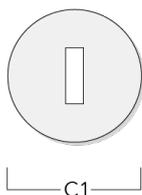


## Inground luminaires

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### Installation cover

Description	Part ID	C1
Installation cover BE	185-0414	95



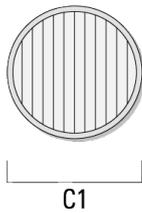
**Optical Accessories**

**Linear spread lens**

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Description	Part ID	C1
Linear spread lens IO-180	185-0895	49

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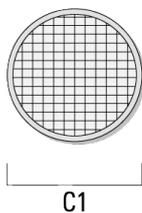
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**Flood lens**

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Description	Part ID	C1
Flood lens IO-360	185-0899	49

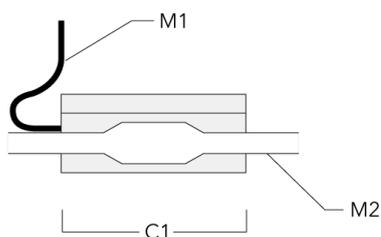
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## Electrical Accessories

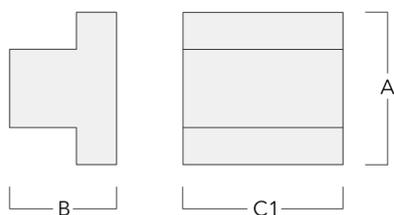
### Sealable junction box

Description	Part ID	C1	M1	M2
Sealable junction box SJB130	185-1624	146	Ø 10	Ø 12 - 19



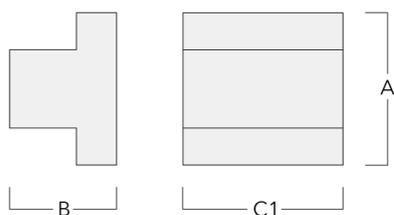
## Transformers

Description	Part ID	A	B	C1
Transformer TVM-AC 24 V/20W	185-2884	140	65	90



## Inground luminaires

Description	Part ID	A	B	C1
Transformer TVM-AC 24 V/50W	185-2885	140	65	90



## Main converter

Description	Part ID	A	B	C1
Main converter TVE-DC 24 V/12 W	400-0310	90	61	18

