



Kingfisher
Lighting

86811 - Welcome Break -
Hinkley M69

Kingfisherlighting.com

STREET • AMENITY • ARCHITECTURAL • AREA

FAO Tom Murphy

Welcome Break Holdings
2 Vantage Court, Tickford Street
Newport Pagnell
Buckinghamshire
MK16 9EZ

Tuesday, 10 June 2025

RE – 86811 - Welcome Break - Hinkley M69

Dear Tom,

Please find attached drawing and quote for 86811 - Welcome Break - Hinkley M69.
The scheme is designed to BS5489, EN12464-2 and BREEAM using the Viva City Pro streetlight, the Zactis and the Semita Urban LED bulkhead.

The levels are as follows: -

- Access Roads 10 Ave lux with 0.25 uniformity.
- Building Entrance with No Canopy 20 to 30 Ave lux with 0.25 uniformity.
- Building Perimeter 10 Ave lux with 0.25 uniformity.
- Car Charging Parking 20 Ave lux with 0.25 uniformity.
- Lorry Parking 20 Ave lux with 0.25 uniformity.
- Petrol Station Parking and Access 20 Ave lux with 0.4 uniformity.
- Delivery Area 50 Ave lux with 0.4 uniformity.
- Starbucks Car Park 20 Ave lux with 0.4 uniformity.
- Starbucks Drive Thru 50 Ave lux with 0.4 uniformity.

For an environmental zone of E2 the light spill to the West boundary is max 5062 Candelas and max 1.6 lux which is acceptable pre-curfew, Changing from 4000K to 2700K colour temperature LED modules and also using SMART controls to reduce the levels would help to achieve the post curfew target of 500 candelas and max of 1 lux.

We trust that the above information is satisfactory. If you have any further questions, please don't hesitate to contact me on either 01623 415 900 or projectdesign@kingfisherlighting.com

Yours sincerely

Patrick Murphy
Lighting Design Engineer

[illegible]

For more information on EV charging for your installation please visit www.sync.energy or click the image

A0



Kingfisher Lighting

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Datasheet

SEMITA Urban



Specification Text

The SEMITA Urban shall be manufactured from high pressure die-cast aluminium and powder coated with a RAL 7016 Anthracite Grey marine grade finish. It shall have a power output ranging between 3 - 11W, with an efficacy of up to 146 lm/W. The luminaire shall deliver 388 - 1,611 luminaire lumens. The SEMITA Urban has a range of different optics to suit narrow, medium and wide paths, with a fully programmable DALI driver. Available in 2700K and 4000K, the luminaire shall be IK10 and IP66 rated with 3 hour integral emergency back-up and self-test options available.

For DarkSky Specifications, the luminaire shall produce a CCT of 2700K.



Specification

Weight: 2.4 kg
Material: Die-cast Aluminium
Paint Finish: RAL7016 Anthracite Grey
Embodied Carbon: 44 kg CO₂e

Product Description

Designed and engineered in the UK, SEMITA Urban is a slimline wallpack, available with street, path or flood optics in addition to comfort options.



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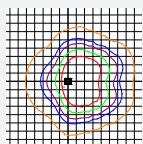
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Key Features

- 3.0W - 11.0W
- 388 - 1,611 Luminaire Lumens
- Efficacy up to 146.0 lm/W
- 2700K, 4000K, CRI>70
- IP66, IK10
- Lifetime > 100,000hr, L80
- 3 Hour Integral Emergency
- DarkSky Approved

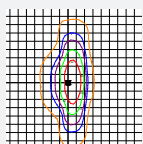
Available with integral 3 hour emergency using a 3.0W pack. Output range from 372 - 438 lm dependant on optic, CCT & accessories.

Optics



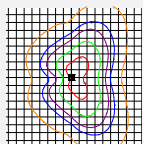
Flood Optic FL

Designed with excellent wide distribution for areas needing greater illumination such as car parks, children's areas and many more areas



Path Optic OC

Perfect for a variety of pedestrian areas in close proximity to buildings. E.g retail parks, façade lighting and offices



Street Optic ST

Ideal for illuminating areas such as building perimeters and access areas. It would be best placed in areas such with high security needs.



Circular Economy Score

0 to 0.05	Very poor circular economy performance
0.5 to 1.5	Some circular economy functionality
1.5 to 2.5	Definite/substantial progress to circularity
2.5 to 4.0	Excellent circularity

Other Options Available

Contact for further details

- 3 Hour Integral Emergency
- Colour Temperature Opportunities

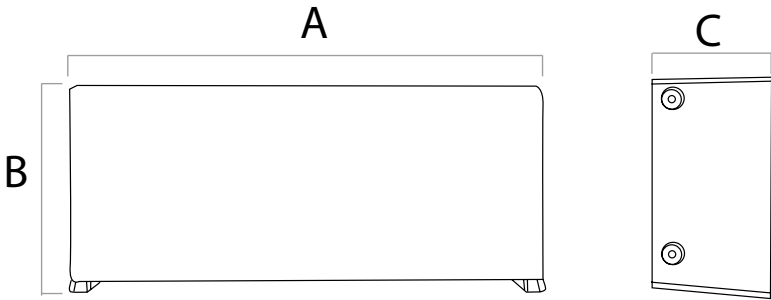
Mounting Options

- Wall Mount

Dimensions

Body Type	A	B	C
Standard	337	148	82

All measurements in mm



Code	Power (W)	Luminaire Lumens (lm)	Drive Current (mA)	Inrush Current (A pk)	Optic	CCT (K)	IP	IK	Weight (kg)	Driver Included	Driver Type
SEMUFL04D	3.0	439	111	9.2	Flood Optic - FL	4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL04D27K	3.0	417	111	9.2		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL08D	6.0	812	205	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL08DEM	6.0	812	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUFL08D-ST-DALIEM	6.0	812	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUFL15D	11.0	1611	410	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL15DEM	11.0	1611	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUFL15D-ST-DALIEM	11.0	1611	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUFL08D27K	6.0	771	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL08D27KEM	6.0	771	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL08D27K-ST-DALIEM	6.0	771	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL15D27K	11.0	1530	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL15D27KEM	11.0	1454	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUFL15D27K-ST-DALIEM	11.0	1381	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC04D	3.0	428	111	9.2	Path Optic - OC	4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC04D27K	3.0	410	111	9.2		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC08D	6.0	802	205	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC08DEM	6.0	802	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUOC08D-ST-DALIEM	6.0	802	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUOC15D	11.0	1570	410	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC15DEM	11.0	1570	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUOC15D-ST-DALIEM	11.0	1570	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUOC08D27K	6.0	762	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC08D27KEM	6.0	762	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC08D27K-ST-DALIEM	6.0	762	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC15D27K	11.0	1505	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC15D27KEM	11.0	1505	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUOC15D27K-ST-DALIEM	11.0	1505	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI

Code	Power (W)	Luminaire Lumens (lm)	Drive Current (mA)	Inrush Current (A pk)	Optic	CCT (K)	IP	IK	Weight (kg)	Driver Included	Driver Type
SEMUST04D	3.0	408	111	9.2	Street Optic - ST	4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUST04D27K	3.0	388	111	9.2		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST08D	6.0	783	205	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUST08DEM	6.0	783	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUST08D-ST-DALIEM	6.0	783	205	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUST15D	11.0	1496	410	5.0		4000	IP66	IK10	2.4	Yes	Basic DALI
SEMUST15DEM	11.0	1496	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUST15D-ST-DALIEM	11.0	1496	410	5.0		4000	IP66	IK10	2.6	Yes	Basic DALI
SEMUST08D27K	6.0	744	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST08D27KEM	6.0	744	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST08D27K-ST-DALIEM	6.0	744	205	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST15D27K	11.0	1425	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST15D27KEM	11.0	1425	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI
SEMUST15D27K-ST-DALIEM	11.0	1425	410	5.0		2700	IP66	IK10	2.4	Yes	Basic DALI



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Datasheet

VIVA-CITY Pro



Specification Text

The VIVA-CITY Pro shall be manufactured from die-cast aluminium and powder coated in RAL 7016 Marine Grade finish. It shall have a power output ranging between 10 - 180W, with an efficacy of 66 - 150lm/W. The luminaire shall deliver 662 - 24,840 luminaire lumens. It shall have a fully programmable DALI driver. Available in 2700K or 4000K, the luminaire shall be IK08 and IP66 rated. It shall have photocell options available.

For DarkSky Specifications, the luminaire shall produce a CCT of 2700K.



Specification

Weight:	4.5 - 9.1 kg
Windage:	0.06 - 0.09 m ²
Material:	Die-cast Aluminium
Paint Finish:	RAL7016 Anthracite Grey
Embodied Carbon:	89 - 182 kg CO ₂ e

Product Description

Designed and Engineered in the UK, the VIVA-CITY Pro is a slimline luminaire featuring innovative optical systems to reduce light pollution within projects.



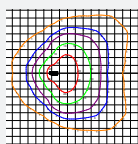
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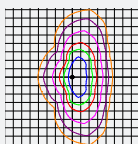
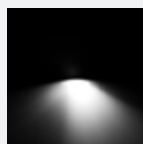
Key Features

- 10.0W - 180.0W
- 662 - 24,840 Luminaire Lumens
- Efficacy up to 150.0 lm/W
- 2700K, 4000K, CRI>70
- IP66, IK08
- Lifetime > 100,000hr, L80
- DarkSky Approved
- Photocell Option
- 3 Hour Integral Emergency

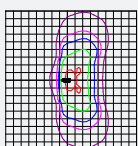
Optics



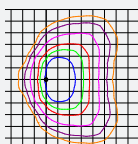
Forward Throw Optic 70°
Open areas perimeter lighting



Street Optic 70°
Roadways, pathways and narrow areas



Spill Shield Street Optic 70°
Roadways, pathways and narrow areas limiting obtrusive light



Spill Shield Forward Throw Optic 70°
Open areas perimeter lighting limiting obtrusive light



Circular Economy Score

0 to 0.05	Very poor circular economy performance
0.5 to 1.5	Some circular economy functionality
1.5 to 2.5	Definite/substantial progress to circularity
2.5 to 4.0	Excellent circularity

Other Options Available

Contact for further details

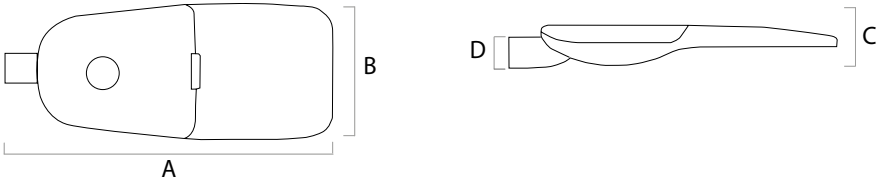
- Colour Temperatures: 2700K, 4000K
- Photocell
- Emergency
- Full Control Capabilities
- Dim to Warm

Body Type	A	B	C	D
Body Size 1 - 10, 20W	520	200	106	60/76
Body Size 3 - 40, 60, 80W	625	288	102	60/76
Body Size 4 - 120, 180W	775	320	102	60/76

All measurements in mm

Mounting Options

- Post Top 60/76mm, Side Entry 60/76mm



Code	Power	Luminaire Lumens	Drive Current mA	Inrush Current A pk	Optic	CCT(K)	IP	IK	Weight kg	Driver Included	Driver Type
VCYP-AY70-4.4-10D-02	10.0	1,177	400	9.2	Asymmetrical Street Optic 70°	4000	IP66	IK08	4.8	Yes	DALI
VCYP-AY70-27.4-10D-02	10.0	1,117	400	9.2		2700	IP66	IK08	4.8	Yes	DALI
VCYP-AY70-4.8-20D-02	20.0	2,699	840	14.9		4000	IP66	IK08	4.8	Yes	DALI
VCYP-AY70-27.8-20D-02	20.0	2,561	840	14.9		2700	IP66	IK08	4.8	Yes	DALI
VCYP-AY70-4.10-40D-02	40.0	5,880	1,050	24.9		4000	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-27.10-40D-02	40.0	5,579	1,050	24.9		2700	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-4.6-60D-02	60.0	8,844	610	32.0		4000	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-27.6-60D-02	60.0	8,392	610	32.0		2700	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-4.8-80D-02	80.0	11,120	800	41.6		4000	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-27.8-80D-02	80.0	10,551	800	41.6		2700	IP66	IK08	6.0	Yes	DALI
VCYP-AY70-4.6-120D-02	120.0	17,828	620	65.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-AY70-27.6-120D-02	120.0	16,916	620	65.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-AY70-4.9-180D-02	180.0	24,840	900	80.0	Asymmetrical Forward Throw Optic 70°	4000	IP66	IK08	9.0	Yes	DALI
VCYP-AY70-27.9-180D-02	180.0	23,569	900	80.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-FW70-4.4-10D-02	10.0	1,149	400	9.2		4000	IP66	IK08	4.8	Yes	DALI
VCYP-FW70-27.4-10D-02	10.0	1,090	400	9.2		2700	IP66	IK08	4.8	Yes	DALI
VCYP-FW70-4.8-20D-02	20.0	2,655	840	14.9		4000	IP66	IK08	4.8	Yes	DALI
VCYP-FW70-27.8-20D-02	20.0	2,519	840	14.9		2700	IP66	IK08	4.8	Yes	DALI
VCYP-FW70-4.10-40D-02	40.0	5,532	1,050	24.9		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-27.10-40D-02	40.0	5,249	1,050	24.9		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-4.6-60D-02	60.0	8,760	610	32.0		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-27.6-60D-02	60.0	8,312	610	32.0		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-4.8-80D-02	80.0	11,040	800	41.6		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-27.8-80D-02	80.0	10,475	800	41.6		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FW70-4.6-120D-02	120.0	17,760	620	65.0	Asymmetrical Spill Shield Street Optic 70°	4000	IP66	IK08	9.0	Yes	DALI
VCYP-FW70-27.6-120D-02	120.0	16,851	620	65.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-FW70-4.9-180D-02	180.0	24,660	900	80.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-FW70-27.9-180D-02	180.0	23,398	900	80.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-AYB70-4.4-10DSHIELD-02	10.0	698	400	9.2		4000	IP66	IK08	4.8	Yes	DALI
VCYP-AYB70-27.4-10DSHIELD-02	10.0	662	400	9.2		2700	IP66	IK08	4.8	Yes	DALI
VCYP-AYB70-4.8-20DSHIELD-02	20.0	1,601	840	14.9		4000	IP66	IK08	4.8	Yes	DALI
VCYP-AYB70-27.8-20DSHIELD-02	20.0	1,519	840	14.9		2700	IP66	IK08	4.8	Yes	DALI
VCYP-AYB70-4.10-40DSHIELD-02	40.0	3,487	1,050	24.9		4000	IP66	IK08	6.0	Yes	DALI
VCYP-AYB70-27.10-40DSHIELD-02	40.0	3,308	1,050	24.9		2700	IP66	IK08	6.0	Yes	DALI

Code	Power	Luminaire Lumens	Drive Current mA	Inrush Current A pk	Optic	CCT(K)	IP	IK	Weight kg	Driver Included	Driver Type
VCYP-AYB70-27.8-80DSHIELD-02	80.0	6,257	800	41.6	Asymmetrical Spill Shield Street Optic 70°	2700	IP66	IK08	6.0	Yes	DALI
VCYP-AYB70-4.6-120DSHIELD-02	120.0	10,572	620	65.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-AYB70-27.6-120DSHIELD-02	120.0	10,031	620	65.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-AYB70-4.9-180DSHIELD-02	180.0	14,730	900	80.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-AYB70-27.9-180DSHIELD-02	180.0	13,977	900	80.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-FWB70-4.4-10DSHIELD-02	10.0	892	400	9.2	Asymmetrical Spill Shield Forward Throw Optic 70°	4000	IP66	IK08	4.8	Yes	DALI
VCYP-FWB70-27.4-10DSHIELD-02	10.0	846	400	9.2		2700	IP66	IK08	4.8	Yes	DALI
VCYP-FWB70-4.8-20DSHIELD-02	20.0	2,060	840	14.9		4000	IP66	IK08	4.8	Yes	DALI
VCYP-FWB70-27.8-20DSHIELD-02	20.0	1,955	840	14.9		2700	IP66	IK08	4.8	Yes	DALI
VCYP-FWB70-4.10-40DSHIELD-02	40.0	4,293	1,050	24.9		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-27.10-40DSHIELD-02	40.0	4,073	1,050	24.9		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-4.6-60DSHIELD-02	60.0	6,798	610	32.0		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-27.6-60DSHIELD-02	60.0	6,450	610	32.0		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-4.8-80DSHIELD-02	80.0	8,567	800	41.6		4000	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-27.8-80DSHIELD-02	80.0	8,129	800	41.6		2700	IP66	IK08	6.0	Yes	DALI
VCYP-FWB70-4.6-120DSHIELD-02	120.0	13,782	620	65.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-FWB70-27.6-120DSHIELD-02	120.0	13,077	620	65.0		2700	IP66	IK08	9.0	Yes	DALI
VCYP-FWB70-4.9-180DSHIELD-02	180.0	19,136	900	80.0		4000	IP66	IK08	9.0	Yes	DALI
VCYP-FWB70-27.9-180DSHIELD-02	180.0	18,157	900	80.0		2700	IP66	IK08	9.0	Yes	DALI



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Datasheet

ZACTIS



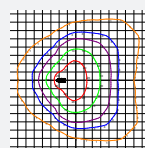
Specification Text

The ZACTIS shall be manufactured from die-cast aluminium and powder coated with a RAL 7016 Anthracite Grey marine grade finish. It shall have a power output ranging between 125 - 320W, with an efficacy from 126 - 138lm/W. It shall deliver 16,447 - 44,156 luminaire lumens. It shall have a fully programmable DALI driver. The ZACTIS shall have optics to suit pathway, road and open area applications. Available in 2700K or 4000K, the luminaire shall be IK08 and IP65 rated. It shall have photocell options available.

Specification

Weight: 15.0 - 16.5 kg
Windage: 0.04 m²
Material: Die-cast Aluminium
Paint Finish: RAL7016 Anthracite Grey
Embodied Carbon: 236 - 289 kg CO₂e

Optics



Forward Throw Optic 70°

Open areas perimeter lighting

Product Description

High performance, the ZACTIS flood is the flat-to-ground luminaire perfect for area, sports and high mast lighting.



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Part of the **LUCCECO** group of companies

Key Features

- 125.0W - 320.0W
- 16,447 - 44,156 Luminaire Lumens
- Efficacy up to 138.0 lm/W
- 2700K, 4000K, CRI>70
- IP65, IK08
- Lifetime > 100,000hr, L80
- 0% ULOR
- Marine Grade Finish
- Flat-to-Ground Profile



Circular Economy Score

0 to 0.05	Very poor circular economy performance
0.5 to 1.5	Some circular economy functionality
1.5 to 2.5	Definite/substantial progress to circularity
2.5 to 4.0	Excellent circularity

Other Options Available

Contact for further details

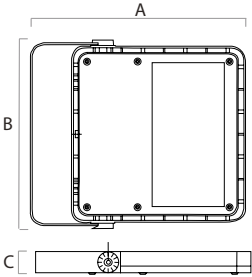
- Colour Temperature Options
- Photocell Options

Mounting Options

- Stirrup Mount

Body Type	A	B	C
Standard	610	540	65

All measurements in mm



Code	Power	Luminaire Lumens	Drive Current	Inrush Current A pk	Optic	CCT(K)	IP	IK	Weight kg	Driver Included	Driver Type
ZAC-FW70-4.6-125D-02	125.0	17,125	640	80.0	Asymmetrical Forward Throw Optic 70°	4000	IP65	IK08	15.0	Yes	DALI
ZAC-FW70-27.6-125D-02	125.0	16,447	640	80.0		2700	IP65	IK08	15.0	Yes	DALI
ZAC-FW70-4.8-160D-02	160.0	21,920	805	80.0		4000	IP65	IK08	15.0	Yes	DALI
ZAC-FW70-27.8-160D-02	160.0	20,166	805	80.0		2700	IP65	IK08	15.0	Yes	DALI
ZAC-FW70-4.6-250D-02	250.0	34,250	640	80.0		4000	IP65	IK08	16.5	Yes	DALI
ZAC-FW70-27.6-250D-02	250.0	33,327	640	80.0		2700	IP65	IK08	16.5	Yes	DALI
ZAC-FW70-4.8-320D-02	320.0	44,156	805	80.0		4000	IP65	IK08	16.5	Yes	DALI
ZAC-FW70-27.8-320D-02	320.0	43,026	805	80.0		2700	IP65	IK08	16.5	Yes	DALI