

**Description**

IP66. Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket.

Integral EC electronic converter in thermally-separated compartment. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

For 2200 K version available on request, except [EES] distribution.

### Specifications

#### Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colours	<div style="display: flex; flex-direction: column; gap: 5px;"> <div> RAL9004 Signal black</div> <div> RAL9007 Grey aluminium</div> <div> RAL7016 Anthracite grey</div> <div> RAL9016 Traffic white</div> </div>
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE
Windage	0.090 m <sup>2</sup>

#### Electrical description

Driver / Ballast	Integral EC electronic converter in thermally-separated compartment
Power factor	> 0.9

#### Additional information

Lifetime	Ta=25° L90B10 > 90000h
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**Options**

**Light distribution**



symmetric, medium beam [M]



symmetric, narrow beam [E]



symmetric, very narrow beam [EE]



symmetric, wide beam [B]



linear spread, very narrow beam [EE]



wallwash



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

**Colour temperature**



3000 K



4000 K



2700 K

**Nominal Watt**

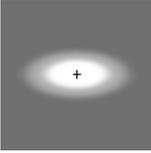
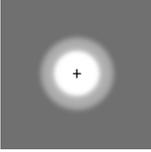
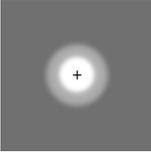
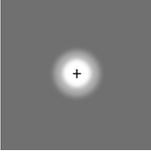
0 W

72 W

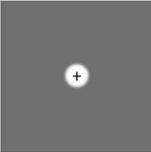
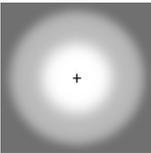
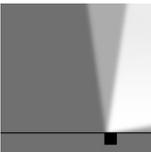
96 W

127 W

**Configurations**

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
linear spread, very narrow beam [EE] 	139-1816+139-1855	LED-24/48W / 700 mA - 3000 K	5947.8	54 W	80	12.60
	139-1817+139-1855	LED-24/48W / 700 mA - 4000 K	6358	54 W	80	12.60
	139-1822+139-1855	LED-24/72W / 1050 mA - 3000 K	8819.2	79 W	80	12.60
	139-1823+139-1855	LED-24/72W / 1050 mA - 4000 K	9229.4	79 W	80	12.60
	139-1828+139-1855	LED-24/104W / 1400 mA - 3000 K	10850.7	106 W	80	12.60
	139-1829+139-1855	LED-24/104W / 1400 mA - 4000 K	11343.9	106 W	80	12.60
	139-2265+139-1855	LED-24/48W / 700 mA - 2700 K	5537.7	54 W	80	12.60
	139-2272+139-1855	LED-24/72W / 1050 mA - 2700 K	8409	79 W	80	12.60
	139-2278+139-1855	LED-24/104W / 1400 mA - 2700 K	10258.8	106 W	80	12.60
symmetric, medium beam [M] 	139-1812	LED-24/48W / 700 mA - 3000 K	6304.7	54 W	80	12.60
	139-1813	LED-24/48W / 700 mA - 4000 K	6739.5	54 W	80	12.60
	139-1818	LED-24/72W / 1050 mA - 3000 K	9348.3	79 W	80	12.60
	139-1819	LED-24/72W / 1050 mA - 4000 K	9783.1	79 W	80	12.60
	139-1824	LED-24/104W / 1400 mA - 3000 K	11497.6	106 W	80	12.60
	139-1825	LED-24/104W / 1400 mA - 4000 K	12020.2	106 W	80	12.60
	139-2152	LED-24/72W / 1050 mA - 2700 K	8913.5	79 W	80	12.60
	139-2228	LED-24/104W / 1400 mA - 2700 K	10870.4	106 W	80	12.60
	139-2252	LED-24/48W / 700 mA - 2700 K	5869.9	54 W	80	12.60
symmetric, narrow beam [E] 	139-1814	LED-24/48W / 700 mA - 3000 K	5931	54 W	80	12.60
	139-1815	LED-24/48W / 700 mA - 4000 K	6340.1	54 W	80	12.60
	139-1820	LED-24/72W / 1050 mA - 3000 K	8794.3	79 W	80	12.60
	139-1821	LED-24/72W / 1050 mA - 4000 K	9203.3	79 W	80	12.60
	139-1826	LED-24/104W / 1400 mA - 3000 K	10824.4	106 W	80	12.60
	139-1827	LED-24/104W / 1400 mA - 4000 K	11316.5	106 W	80	12.60
	139-2229	LED-24/104W / 1400 mA - 2700 K	10234	106 W	80	12.60
	139-2250	LED-24/72W / 1050 mA - 2700 K	8385.2	79 W	80	12.60
	139-2253	LED-24/48W / 700 mA - 2700 K	5522	54 W	80	12.60
symmetric, very narrow beam [EE] 	139-1816	LED-24/48W / 700 mA - 3000 K	6241	54 W	80	12.60
	139-1817	LED-24/48W / 700 mA - 4000 K	6671.5	54 W	80	12.60
	139-1822	LED-24/72W / 1050 mA - 3000 K	9254	79 W	80	12.60
	139-1823	LED-24/72W / 1050 mA - 4000 K	9684.4	79 W	80	12.60
	139-1828	LED-24/104W / 1400 mA - 3000 K	11600.1	106 W	80	12.60
	139-1829	LED-24/104W / 1400 mA - 4000 K	12127.4	106 W	80	12.60
	139-2265	LED-24/48W / 700 mA - 2700 K	5810.6	54 W	80	12.60

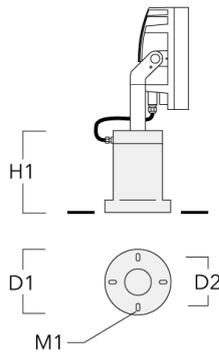
**Projectors**

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
symmetric, very narrow beam, sharp cut-off [EES] 	139-2272	LED-24/72W / 1050 mA - 2700 K	8823.6	79 W	80	12.60
	139-2278	LED-24/104W / 1400 mA - 2700 K	10967.4	106 W	80	12.60
	139-3137	LED-48/72W / 500 mA - 2700 K	6498.9	77 W	80	12.60
	139-3138	LED-48/72W / 500 mA - 3000 K	6947.1	77 W	80	12.60
	139-3139	LED-48/72W / 500 mA - 4000 K	6947.1	77 W	80	12.60
	139-3141	LED-48/96W / 700 mA - 2700 K	8515.8	105.5 W	80	12.60
	139-3142	LED-48/96W / 700 mA - 3000 K	9188.2	105.5 W	80	12.60
	139-3143	LED-48/96W / 700 mA - 4000 K	9188.2	105.5 W	80	12.60
	139-3145	LED-48/127W / 900 mA - 2700 K	10308.7	139 W	80	12.60
	139-3146	LED-48/127W / 900 mA - 3000 K	10981	139 W	80	12.60
139-3147	LED-48/127W / 900 mA - 4000 K	10981	139 W	80	12.60	
symmetric, wide beam [B] 	139-1921	LED-24/48W / 700 mA - 3000 K	5981.4	54 W	80	12.60
	139-1922	LED-24/48W / 700 mA - 4000 K	6393.9	54 W	80	12.60
	139-1923	LED-24/72W / 1050 mA - 3000 K	8869	79 W	80	12.60
	139-1924	LED-24/72W / 1050 mA - 4000 K	9281.5	79 W	80	12.60
	139-1925	LED-24/104W / 1400 mA - 3000 K	10960.8	106 W	80	12.60
	139-1926	LED-24/104W / 1400 mA - 4000 K	11459	106 W	80	12.60
	139-2227	LED-24/104W / 1400 mA - 2700 K	10362.9	106 W	80	12.60
	139-2249	LED-24/72W / 1050 mA - 2700 K	8456.5	79 W	80	12.60
	139-2251	LED-24/48W / 700 mA - 2700 K	5568.9	54 W	80	12.60
	wallwash 	139-1812+139-1854-AP	LED-24/48W / 700 mA - 3000 K	5235.8	54 W	80
139-1813+139-1854-AP		LED-24/48W / 700 mA - 4000 K	5596.9	54 W	80	12.60
139-1818+139-1854-AP		LED-24/72W / 1050 mA - 3000 K	7763.5	79 W	80	12.60
139-1819+139-1854-AP		LED-24/72W / 1050 mA - 4000 K	8124.5	79 W	80	12.60
139-1824+139-1854-AP		LED-24/104W / 1400 mA - 3000 K	9548.2	106 W	80	12.60
139-1825+139-1854-AP		LED-24/104W / 1400 mA - 4000 K	9982.2	106 W	80	12.60
139-2152+139-1854-AP		LED-24/72W / 1050 mA - 2700 K	7402.4	79 W	80	12.60
139-2228+139-1854-AP		LED-24/104W / 1400 mA - 2700 K	9027.4	106 W	80	12.60
139-2252+139-1854-AP		LED-24/48W / 700 mA - 2700 K	4874.7	54 W	80	12.60

**Mounting Accessories**

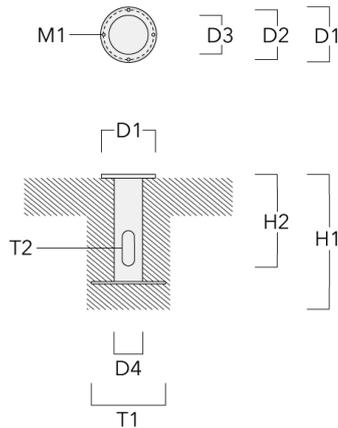
**Short post**

Description	Part ID	D1	D2	H1	M1	Weight (kg)
Short post EM1-M16	270-9038	160	130	203	9	2.10



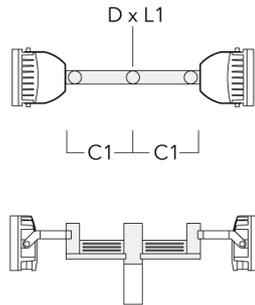
**Planted root**

Description	Part ID	D1	D2	D3	D4	H1	H2	M1	T1	T2	Weight (kg)
Planted root ESV4	300-0461-AP	150	130	60	89	400	350	8	200	50 x 100	3.85

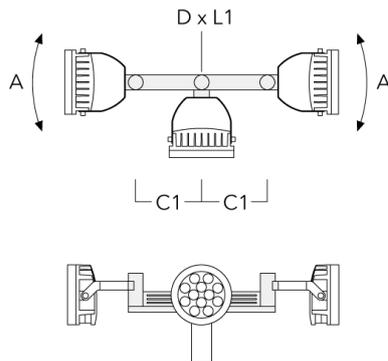


**Floodlight mounting bracket TA**

Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA2-L Mounting bracket, double (Ø 76 x 200)	147-0105	±90°	420	76 x 200	16.10	76 x 200

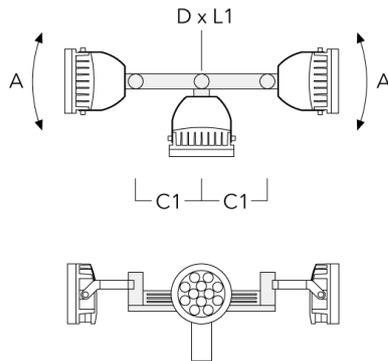


TA3 Mounting bracket, triple (Ø 89 x 200)	147-0025	±90°	650	89 x 200	17.90	89 x 200
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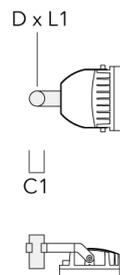


**Projectors**

Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA4 Mounting bracket, quad (Ø 89 x 200)	147-0099	±90°	650	89 x 200	20.80	89 x 200

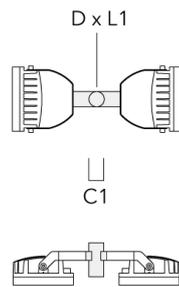


TA1 Mounting bracket, single (Ø 108 x 200)	147-0096		130	108 x 200	7.50	108 x 200
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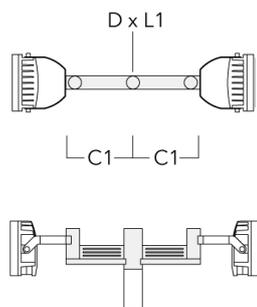


**Projectors**

Description	Part ID	A	C1	D × L1	Weight (kg)	D × S
TA2 Mounting bracket, double (Ø 108 x 200)	147-0097		130	108 x 200	7.50	108 x 200

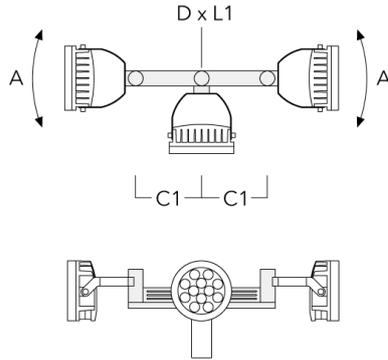


TA2-L Mounting bracket, double (Ø 108 x 200)	147-0148	±90°	420	108 x 200	20.20	108 x 200
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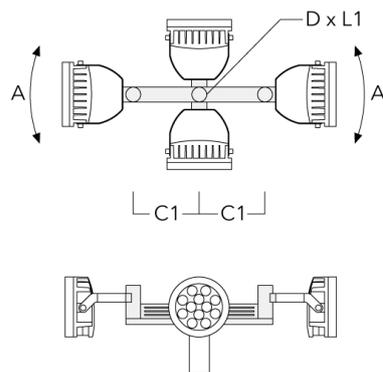


**Projectors**

Description	Part ID	A	C1	D × L1	Weight (kg)	D × S
TA3 Mounting bracket, triple (Ø 108 x 200)	147-0098	±90°	650	108 x 200	24.20	108 x 200



TA4 Mounting bracket, quad (Ø 108 x 200)	147-0100	±90°	650	108 x 200	24.20	108 x 200
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**Projectors**

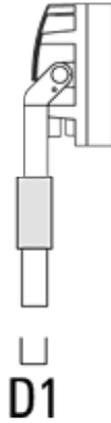
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**Spigot cap**

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Description	Part ID	D1	Weight (kg)
Spigot Cap KF1-M16 (ø 60 x 100)	310-9120	60 x 100	1.40

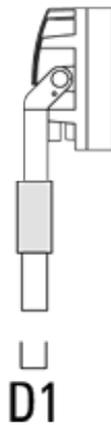
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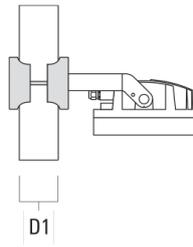
Spigot Cap KF1-M16 (ø 76 x 100)	310-9121	76 x 100	2.2
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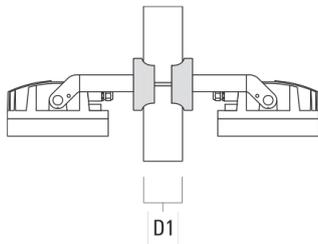


**Pole clamp SP - Tiltable**

Description	Part ID	D1	Weight (kg)	D
Pole clamp SP1-M16, single (Ø 76-89)	146-0242	76-89	1.30	76-89

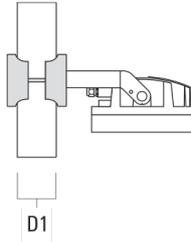


Pole clamp SP2-M16, double (Ø 76-89)	146-0244	76-89	1.50	
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**Projectors**

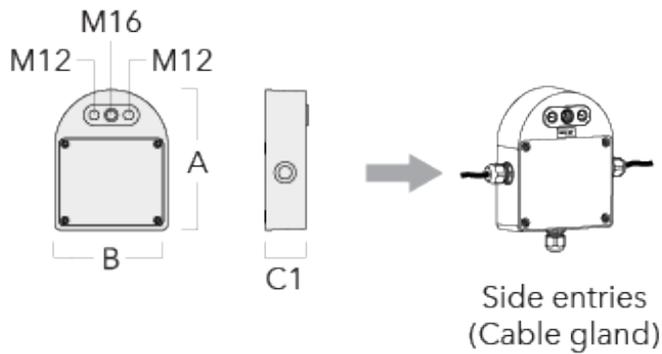
Description	Part ID	D1	Weight (kg)	D
Pole clamp SP1-M16, single (Ø 38-60)	146-0241	38-60	1.30	



Pole clamp SP2-M16, double (Ø 38-60)	146-0243	38-60	1.50	
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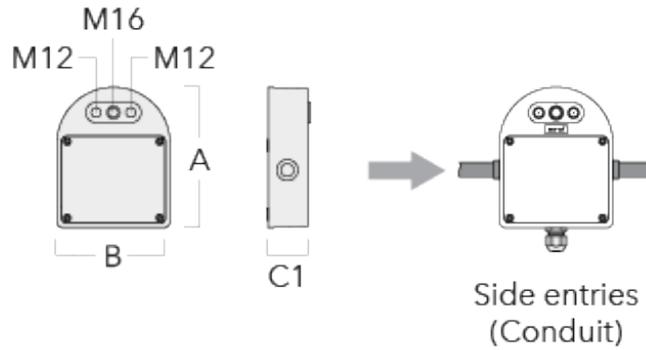
**Junction box**

Description	Part ID	Additional information	A	B	C1	Weight (kg)
Junction box JB20 - Cable side entries	310-9013	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with cable glands.	180	143	51	1.02

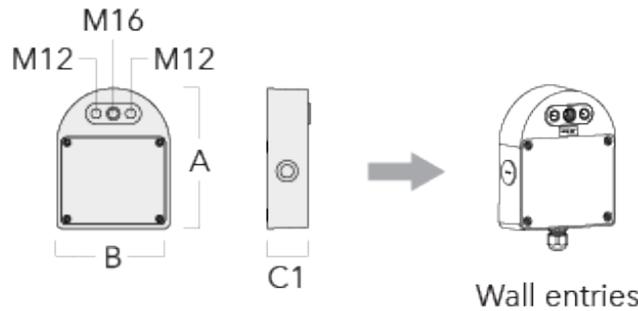


**Projectors**

Description	Part ID	Additional information	A	B	C1	Weight (kg)
Junction box JB20 - Conduit side entries	310-9014	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits.	180	143	51	1.02

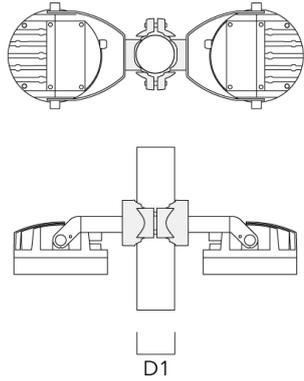


Junction box JB20 - Wall entries	310-9018	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For wall entries.	180	143	51	1.02
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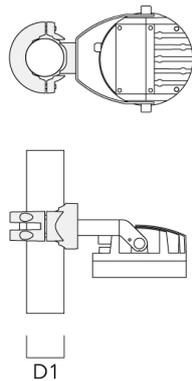


**Pole clamp PC - Rotatable**

Description	Part ID	D1	Weight (kg)
PC2 76-89/60 Pole clamp, double (Ø 76-89)	139-2703	76-89	1.00

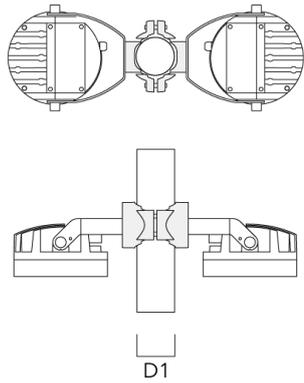


PC1 76-89/60 Pole clamp, single (Ø 76-89)	139-2702	76-89	1.00
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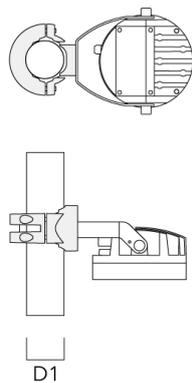


**Projectors**

Description	Part ID	D1	Weight (kg)
PC2 102-114/60 Pole clamp, double (Ø 102-114)	139-2707	102-114	1.20

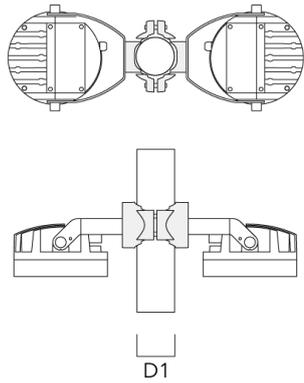


PC1 102-114/60 Pole clamp, single (Ø 102-114)	139-2706	102-114	1.20
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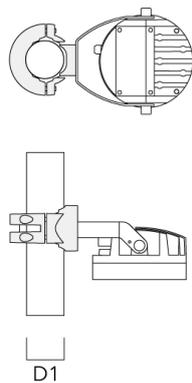


**Projectors**

Description	Part ID	D1	Weight (kg)
PC2 114-133/60 Pole clamp, double (Ø 114-133)	139-2709	114-133	1.40

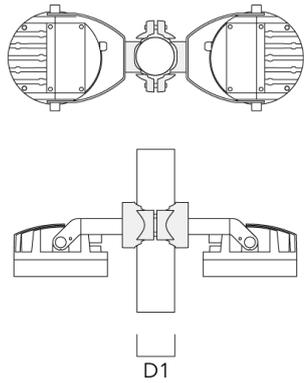


PC1 114-133/60 Pole clamp, single (Ø 114-133)	139-2708	114-133	1.40
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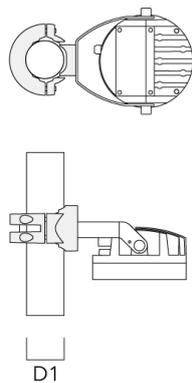


**Projectors**

Description	Part ID	D1	Weight (kg)
PC2 82-109/60 Pole camp, double (Ø 82-109)	139-2705	82-109	1.10



PC1 82-109/60 Pole camp, single (Ø 82-109)	139-2704	82-109	1.10
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**Control**

**1-10 V analogue dimming interface**

Description	Part ID	C
1-10 V analogue dimming interface	430-0011	90

**R2C Ready to Connect**

Description	Part ID
R2C Ready to Connect (top)	430-0019

**DALI interface**

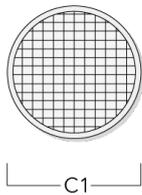
Description	Part ID	Additional information
DALI interface	430-0013	DALI variant. The luminaire is equipped with a DT6 Dali driver (Dali 2.0).

Dali 2.0  
 -Application controllers and Input devices defined  
 -Single-masters and multi-masters allowed  
 -Event priorities defined  
 -Separate addressing & grouping from control gear

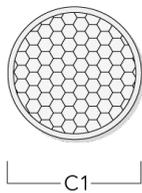
Note: Mixing Dali 1 and Dali 2.0 drivers can cause problems because the addressing and the command scope has changed!

**Optical Accessories****Flood lens**

Description	Part ID	C1
Flood lens IO-360	139-1856	289

**Honeycomb louvre**

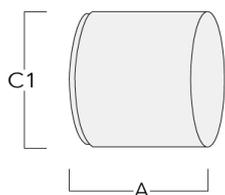
Description	Part ID	C1
Honeycomb Louvre IW	139-1857	279



**Projectors**

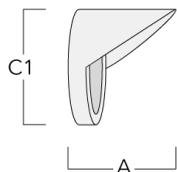
**Snoot**

Description	Part ID	A	C1
Snoot ET	139-1859	200	346



**Glare shield**

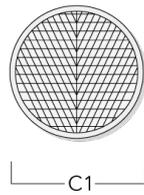
Description	Part ID	A	C1
Glare shield ES	139-1858	200	346



**Projectors**

**Wallwash lens**

Description	Part ID	Additional information	C1
Wallwash lens IO-20	139-1854-AP	for symmetric [M] medium beam luminaire only	289



**Linear spread lens**

Description	Part ID	C1
Linear spread lens IO-180	139-1855	289

