

**Description**

IP66. Class I. IK07. Marine-grade, die-cast aluminum 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.

## Projectors

### 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	0.054 m <sup>2</sup>

#### Electrical description

Power supply	220-240V / 50-60 Hz
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

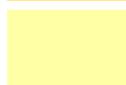


symmetric, very narrow beam, sharp cut-off [EES]

**Colour temperature**



3000 K



4000 K



2700 K

**Nominal Watt**

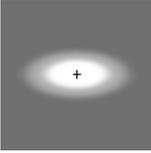
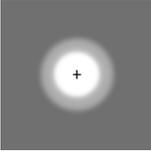
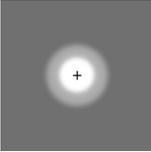
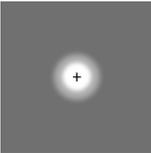
0 W

36 W

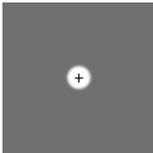
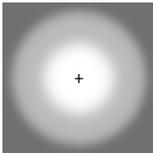
48 W

72 W

**Configurations**

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
linear spread, very narrow beam [EE] 	139-1834+139-1849	LED-12/24W / 700 mA - 3000 K	2973.9	27 W	80	7.60
	139-1835+139-1849	LED-12/24W / 700 mA - 4000 K	3179	27 W	80	7.60
	139-1840+139-1849	LED-12/36W / 1050 mA - 3000 K	4409.6	40 W	80	7.60
	139-1841+139-1849	LED-12/36W / 1050 mA - 4000 K	4614.7	40 W	80	7.60
	139-1846+139-1849	LED-12/52W / 1400 mA - 3000 K	5425.3	53 W	80	7.60
	139-1847+139-1849	LED-12/52W / 1400 mA - 4000 K	5671.9	53 W	80	7.60
	139-2077+139-1849	LED-12/36W / 1050 mA - 2700 K	4204.5	40 W	80	7.60
	139-2079+139-1849	LED-12/36W / 1050 mA - 2700 K	4192.6	40 W	80	7.60
	139-2191+139-1849	LED-12/52W / 1400 mA - 2700 K	5129.4	53 W	80	7.60
	139-2263+139-1849	LED-12/24W / 700 mA - 2700 K	4971.9	54 W	80	7.60
symmetric, medium beam [M] 	139-1830	LED-12/24W / 700 mA - 3000 K	3152.3	27 W	80	7.60
	139-1831	LED-12/24W / 700 mA - 4000 K	3369.7	27 W	80	7.60
	139-1836	LED-12/36W / 1050 mA - 3000 K	4674.1	40 W	80	7.60
	139-1837	LED-12/36W / 1050 mA - 4000 K	4891.5	40 W	80	7.60
	139-1842	LED-12/52W / 1400 mA - 3000 K	5748.8	53 W	80	7.60
	139-1843	LED-12/52W / 1400 mA - 4000 K	6010.1	53 W	80	7.60
	139-2108	LED-12/52W / 1400 mA - 2700 K	5435.2	53 W	80	7.60
	139-2151	LED-12/24W / 700 mA - 2700 K	2934.9	27 W	80	7.60
	139-2240	LED-12/36W / 1050 mA - 2700 K	4456.7	40 W	80	7.60
	symmetric, narrow beam [E] 	139-1832	LED-12/24W / 700 mA - 3000 K	2965.5	27 W	80
139-1833		LED-12/24W / 700 mA - 4000 K	3170	27 W	80	7.60
139-1838		LED-12/36W / 1050 mA - 3000 K	4397.1	40 W	80	7.60
139-1839		LED-12/36W / 1050 mA - 4000 K	4601.7	40 W	80	7.60
139-1844		LED-12/52W / 1400 mA - 3000 K	5412.2	53 W	80	7.60
139-1845		LED-12/52W / 1400 mA - 4000 K	5658.2	53 W	80	7.60
139-2079		LED-12/36W / 1050 mA - 2700 K	4192.6	40 W	80	7.60
139-2214		LED-12/52W / 1400 mA - 2700 K	5117	53 W	80	7.60
139-2242		LED-12/24W / 700 mA - 2700 K	2761	27 W	80	7.60
symmetric, very narrow beam [EE] 		139-1834	LED-12/24W / 700 mA - 3000 K	3120.5	27 W	80
	139-1835	LED-12/24W / 700 mA - 4000 K	3335.7	27 W	80	7.60
	139-1840	LED-12/36W / 1050 mA - 3000 K	4627	40 W	80	7.60
	139-1841	LED-12/36W / 1050 mA - 4000 K	4842.2	40 W	80	7.60
	139-1846	LED-12/52W / 1400 mA - 3000 K	5800	53 W	80	7.60
	139-1847	LED-12/52W / 1400 mA - 4000 K	6063.7	53 W	80	7.60

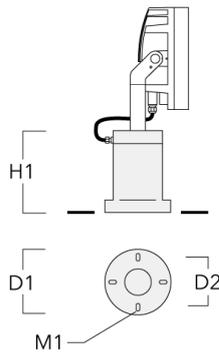
**Projectors**

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
symmetric, very narrow beam, sharp cut-off [EES] 	139-2077	LED-12/36W / 1050 mA - 2700 K	4411.8	40 W	80	7.60
	139-2191	LED-12/52W / 1400 mA - 2700 K	5483.7	53 W	80	7.60
	139-2263	LED-12/24W / 700 mA - 2700 K	2905.3	27 W	80	7.60
	139-3125	LED-24/36W / 500 mA - 2700K	3249.5	39 W	80	7.60
	139-3126	LED-24/36W / 500 mA - 3000 K	3473.6	39 W	80	7.60
	139-3127	LED-24/36W / 500 mA - 4000 K	3473.6	39 W	80	7.60
	139-3129	LED-24/48W / 700 mA - 2700 K	4257.9	54 W	80	7.60
	139-3130	LED-24/48W / 700 mA - 3000 K	4594.1	54 W	80	7.60
	139-3131	LED-24/48W / 700 mA - 4000 K	4594.1	54 W	80	7.60
	139-3133	LED-24/72W / 1050 mA - 2700 K	5714.6	79 W	80	7.60
	139-3134	LED-24/72W / 1050 mA - 3000 K	6162.8	79 W	80	7.60
	139-3135	LED-24/72W / 1050 mA - 4000 K	6162.8	79 W	80	7.60
	symmetric, wide beam [B] 	139-1907	LED-12/24W / 700 mA - 3000 K	2990.7	27 W	80
139-1908		LED-12/24W / 700 mA - 4000 K	3197	27 W	80	7.60
139-1909		LED-12/36W / 1050 mA - 3000 K	4434.5	40 W	80	7.60
139-1910		LED-12/36W / 1050 mA - 4000 K	4640.7	40 W	80	7.60
139-1911		LED-12/52W / 1400 mA - 3000 K	5480.4	53 W	80	7.60
139-1912		LED-12/52W / 1400 mA - 4000 K	5729.5	53 W	80	7.60
139-2226		LED-12/52W / 1400 mA - 2700 K	5181.4	53 W	80	7.60
139-2239		LED-12/36W / 1050 mA - 2700 K	4228.2	40 W	80	7.60
139-2241		LED-12/24W / 700 mA - 2700 K	2784.4	27 W	80	7.60
wallwash 		139-1830+139-1848-AP	LED-12/24W / 700 mA - 3000 K	2617.9	27 W	80
	139-1831+139-1848-AP	LED-12/24W / 700 mA - 4000 K	2798.5	27 W	80	7.60
	139-1836+139-1848-AP	LED-12/36W / 1050 mA - 3000 K	3881.7	40 W	80	7.60
	139-1837+139-1848-AP	LED-12/36W / 1050 mA - 4000 K	4062.3	40 W	80	7.60
	139-1842+139-1848-AP	LED-12/52W / 1400 mA - 3000 K	4774.1	53 W	80	7.60
	139-1843+139-1848-AP	LED-12/52W / 1400 mA - 4000 K	4991.1	53 W	80	7.60
	139-2108+139-1848-AP	LED-12/52W / 1400 mA - 2700 K	4513.7	53 W	80	7.60
	139-2151+139-1848-AP	LED-12/24W / 700 mA - 2700 K	2437.4	27 W	80	7.60
	139-2240+139-1848-AP	LED-12/36W / 1050 mA - 2700 K	3701.2	40 W	80	7.60

**Mounting Accessories**

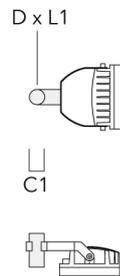
**Short post**

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



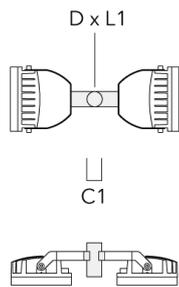
**Floodlight mounting bracket TA**

Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA1 Mounting bracket, single (Ø 108 x 200)	147-0096		130	108 x 200	7.50	108 x 200

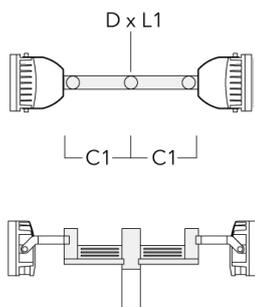


**Projectors**

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

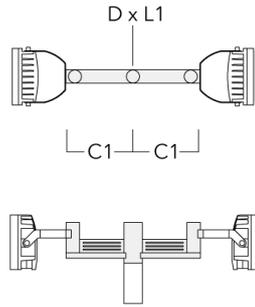


TA2-L Mounting bracket, double (Ø 108 x 200)	147-0148	±90°	420	108 x 200	20.20	108 x 200
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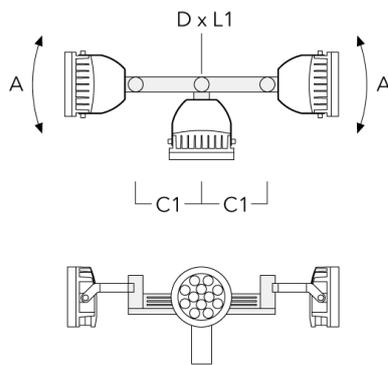


**Projectors**

Description	Part ID	A	C1	D 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

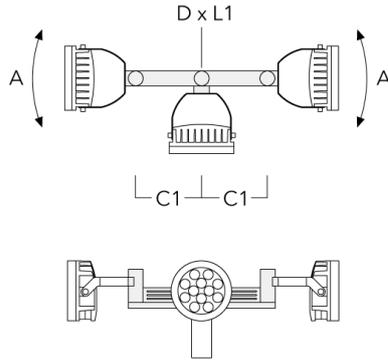


TA3 Mounting bracket, triple (Ø 89 x 200)	147-0025	±90°	650	89 x 200	17.90	89 x 200
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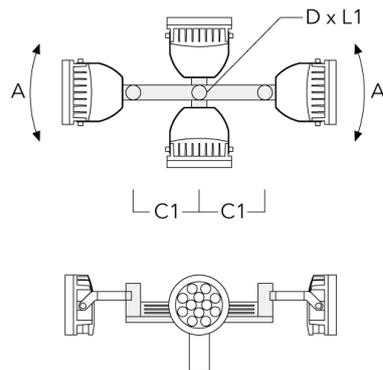


**Projectors**

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

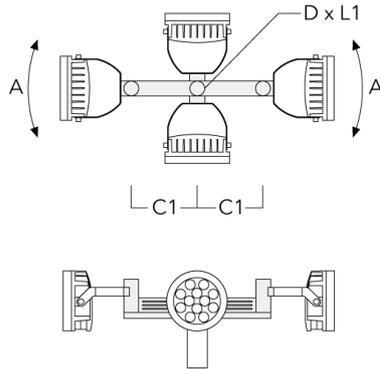


TA4 Mounting bracket, quad (Ø 89 x 200)	147-0099	±90°	650	89 x 200	20.80	89 x 200
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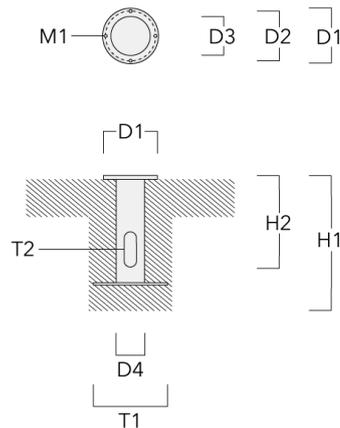
**Projectors**

Description	Part ID	A	C1	D × L1	Weight (kg)	D × S
TA4 Mounting bracket, quad (Ø 108 x 200)	147-0100	±90°	650	108 x 200	24.20	108 x 200



**Planted root**

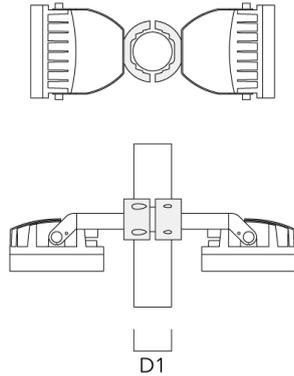
Description	Part ID	D1	D2	D3	D4	H1	H2	M1	T1	T2	Weight (kg)
Planted root ESV4	300-0461-AP	150	130	60	89	400	350	8	200	50 x 100	3.85



**Projectors**

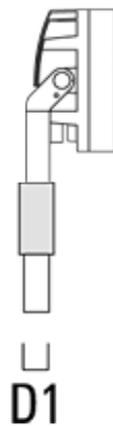
**Pole clamp**

Description	Part ID	D1	Weight (kg)	D
TS2-2/M12 Pole clamp, double (Ø 102-114)	147-0527	102-114	1.50	102-114



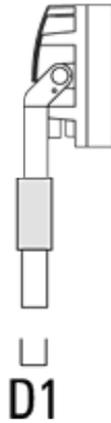
**Spigot cap**

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



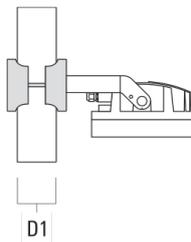
**Projectors**

Description	Part ID	D1	Weight (kg)
Spigot Cap KF1-M16 (ø 76 x 100)	310-9121	76 x 100	2.2



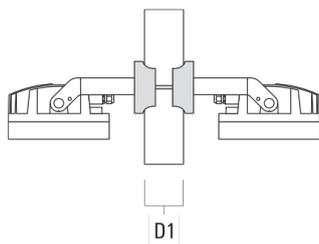
**Pole clamp SP - Tilttable**

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

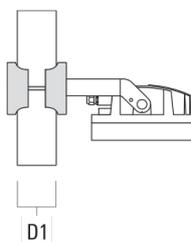


**Projectors**

Description	Part ID	D1	Weight (kg)	D
Pole clamp SP2-M16, double (Ø 76-89)	146-0244	76-89	1.50	



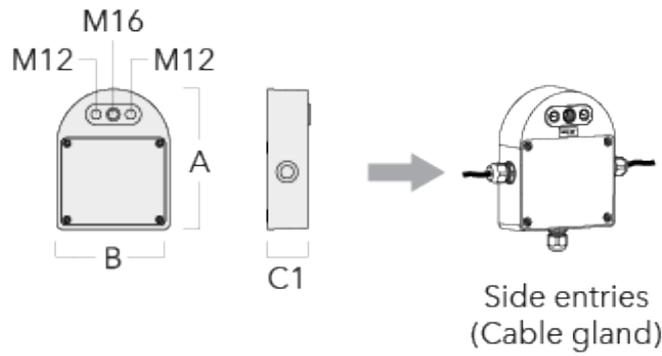
Pole clamp SP1-M16, single (Ø 38-60)	146-0241	38-60	1.30	
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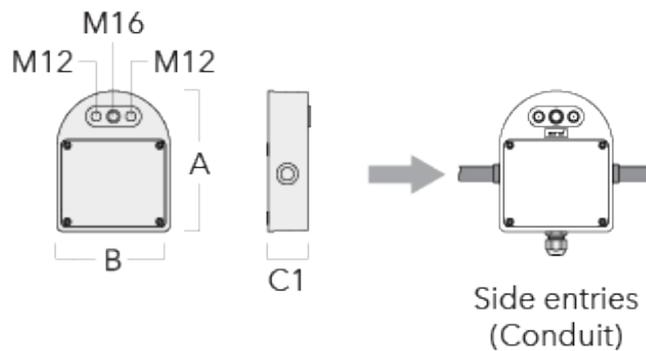
Pole clamp SP2-M16, double (Ø 38-60)	146-0243	38-60	1.50	
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**Junction box**

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

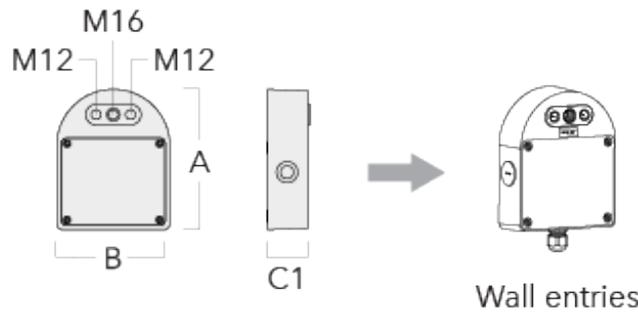


Junction box JB20 - Conduit side entries	310-9014	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits.	180	143	51	1.02
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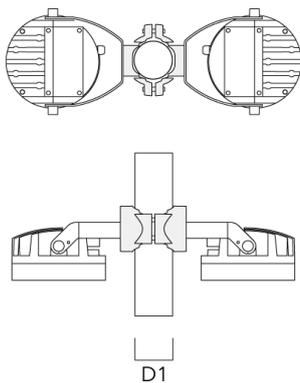
**Projectors**

Description	Part ID	Additional information	A	B	C1	Weight (kg)
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



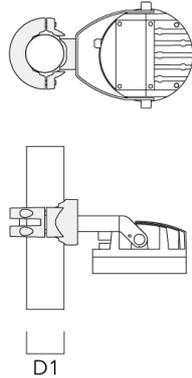
**Pole clamp PC - Rotatable**

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

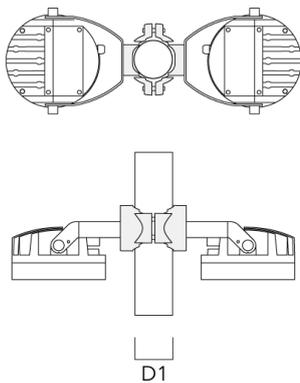


**Projectors**

Description	Part ID	D1	Weight (kg)
PC1 76-89/60 Pole clamp, single (Ø 76-89)	139-2702	76-89	1.00

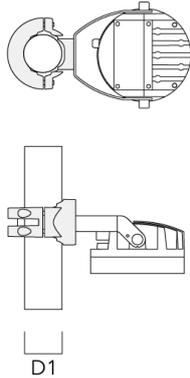


PC2 102-114/60 Pole clamp, double (Ø 102-114)	139-2707	102-114	1.20
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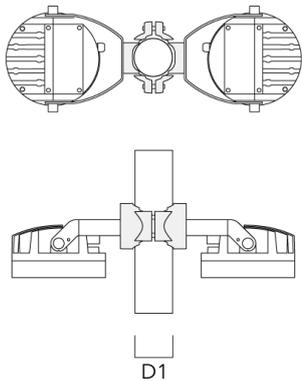


**Projectors**

Description	Part ID	D1	Weight (kg)
PC1 102-114/60 Pole clamp, single (Ø 102-114)	139-2706	102-114	1.20

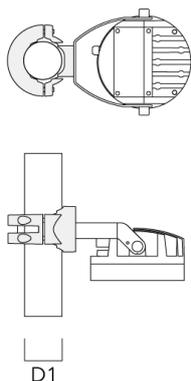


PC2 114-133/60 Pole clamp, double (Ø 114-133)	139-2709	114-133	1.40
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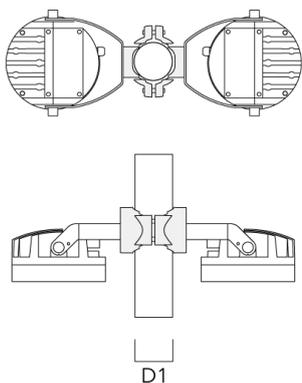


**Projectors**

Description	Part ID	D1	Weight (kg)
PC1 114-133/60 Pole clamp, single (Ø 114-133)	139-2708	114-133	1.40



PC2 82-109/60 Pole camp, double (Ø 82-109)	139-2705	82-109	1.10
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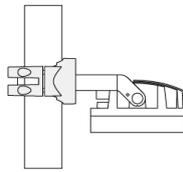
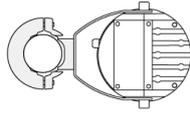


## Projectors

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Description	Part ID	D1	Weight (kg)
PC1 82-109/60 Pole camp, single (Ø 82-109)	139-2704	82-109	1.10

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D1

**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).

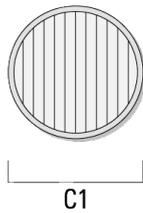
Dali 2.0  
 -Application controllers and Input devices defined  
 -Single-masters and multi-masters allowed  
 -Event priorities defined  
 -Separate addressing & grouping from control gear

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

**Optical Accessories**

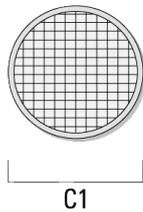
**Linear spread lens**

Description	Part ID	C1
Linear spread lens IO-180	139-1849	199



**Flood lens**

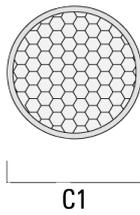
Description	Part ID	C1
Flood lens IO-360	139-1850	199



**Projectors**

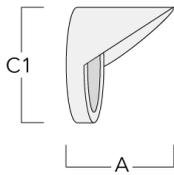
**Honeycomb louvre**

Description	Part ID	C1
Honeycomb louvre IW	139-1851	199



**Glare shield**

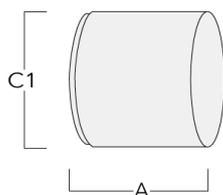
Description	Part ID	A	C1
Glare shield ES	139-1852	159	266



**Projectors**

**Snoot**

Description	Part ID	A	C1
Snoot ET	139-1853	160	266



**Wallwash lens**

Description	Part ID	C1
Wallwash lens IO-20	139-1848-AP	199

