



### Description

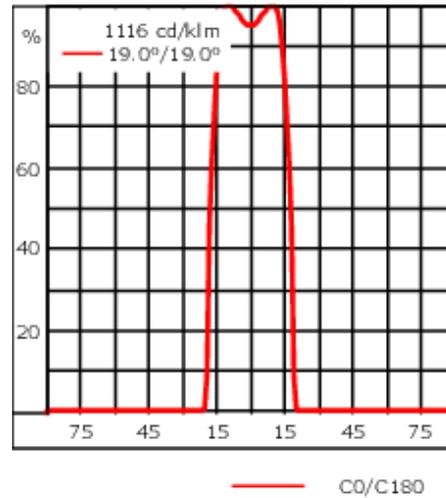
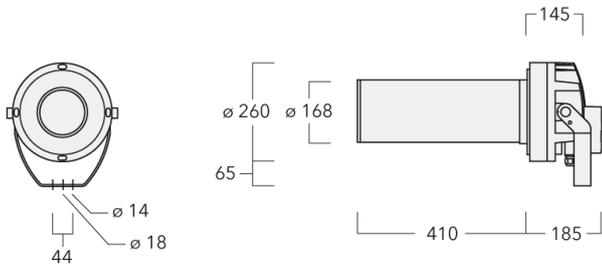
Profile Projector [ZP] for zoom spot. Spherical/triple flat convex lens system. Tunable White Technology.

IP66, Class I. Class II on request. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. One cable gland. Second gland for through wiring on request. PMMA LED lens array. Factory installed LED circuit board. LED board can be removed for upgrading. Integral EC electronic converter, thermally separated. DALI interface.

Configuration with 3 lenses 20°-38°. Extension of the beam angle to 4 lenses 39°-47° on request, to be specified at time of ordering.

Weight	11.10 kg
Light distribution	symmetric Zoom-Projector [ZP] - max aperture angle
Light source	LED-FT-32W / 450 mA - 2200-6000 K
CRI	80
Power supply	EC
LEDs	1
Rated input power	35 W
<b>Rated lumens (lm)</b>	
LED Lumen	1349.6
Total Lumen	1349.6
Ta	25
<b>Nominal Lumen (lm)</b>	
LED Lumen	4290
Total Lumen	4290
Tc	25

## FLC230-TW LED [ZP]



## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colours	<div style="display: flex; align-items: center; gap: 10px;"> <div style="width: 20px; height: 15px; background-color: black; margin-right: 5px;"></div> <span>RAL9004 Signal black</span> </div> <div style="display: flex; align-items: center; gap: 10px; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #cccccc; margin-right: 5px;"></div> <span>RAL9006 White aluminium</span> </div> <div style="display: flex; align-items: center; gap: 10px; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> <div style="display: flex; align-items: center; gap: 10px; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #333333; margin-right: 5px;"></div> <span>RAL7016 Anthracite grey</span> </div> <div style="display: flex; align-items: center; gap: 10px; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #e0e0e0; margin-right: 5px;"></div> <span>RAL9016 Traffic white</span> </div>
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE

### Electrical description

Power supply	220-240V / 50-60 Hz
Driver / Ballast	DALI
Power factor	> 0.9
Surge protection	1/2 kV (optional SP10)

**Additional information**

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Lifetime Ta=25° L70B50 > 50000h

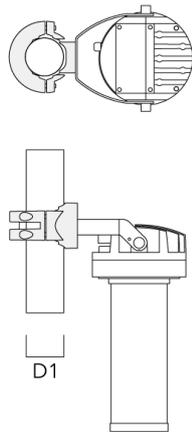
Energy efficiency class E (Light source)

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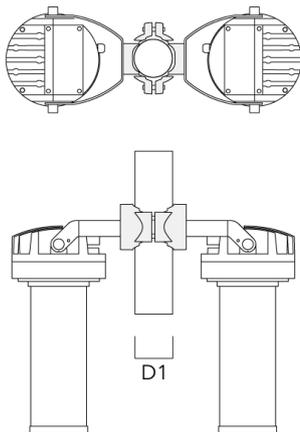
## Mounting Accessories

### Pole clamp PC

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



PC2 76-89/60 Pole clamp, double (Ø 76-89)	139-2703	76-89	1.00
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## FLC230-TW LED [ZP]

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

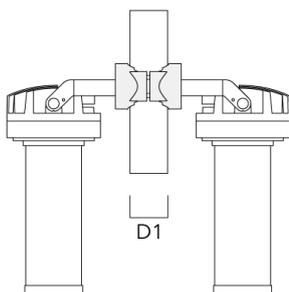
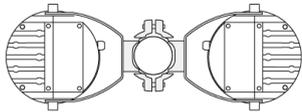
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PC2 82-109/60 Pole clamp, double (Ø 82-109)	139-2705	82-109	1.10
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## FLC230-TW LED [ZP]

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

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PC2 102-114/60 Pole clamp, double (Ø 102-114)	139-2707	102-114	1.20
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## FLC230-TW LED [ZP]

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

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