

# CHALLENGER 3 LED AL7100 SERIES

Floodlighting for sports and open areas

IK10

IP66



# Abacus<sup>®</sup>

Leaders in Lighting

# CHALLENGER 3 LED

## AL7100 SERIES

Floodlighting for sports and open areas

### Specifications & key features

**IP66 & IK10 rated**

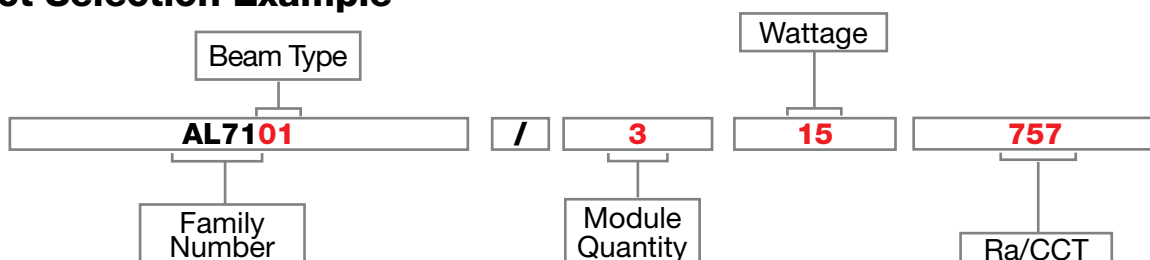
The Challenger 3 LED is a high-performance sports floodlight. It is engineered with advanced LED technology and precise optical control to deliver exceptional, uniform illumination while minimising light pollution through a full cut-off, low-spill design, overall enhancing player and spectator viewing. Featuring a robust IP66 and IK10 rated modular construction, versatile lens and lumen packages, and DALI and DMX control options. These enable straightforward installation and maintenance across stadiums, high masts, and multiple large-scale outdoor applications.

Challenger 3 LED - Specifications				
Modules	2 Modules		3 Modules	
Power	1000W	1200W	1500W	1800W
Input Voltage	208VAC - 480VAC			
Luminous Flux	up to 162000lm	up to 184000lm	up to 244000lm	up to 276000lm
L90B10 @ 25deg	>75,000h			
Efficiency	up to 162lm/W	up to 153lm/W	up to 162lm/W	up to 153lm/W
Electrical Class	Class I			
Surge Protection	20 kV			
CCT	2700K - 6000K (5000K as standard)			
CRI/Ra	≥70 - ≥90 (≥70 as standard)			
Weight	25.7kg without driver		33.8kg without driver	
Wind Area	0.248m <sup>2</sup>		0.358m <sup>2</sup>	
IP Rating	IP66			
IK Rating	IK10			
Operating Temp	-40°C - +50°C	-40°C - +40°C	-40°C - +50°C	-40°C - +40°C

### Product Selector

Beam Type	Wattage	RA/CCT
AL7101	<b>10</b> = 1000W (2 Modules)	<b>757</b> = (RA70/5700K)
AL7102	<b>12</b> = 1200W (2/3 modules)	
AL7103	<b>15</b> = 1500W (3 modules)	
AL7104	<b>18</b> = 1800W (3 modules)	
AL7106	<i>*All modules (2/3) can be used at varying beam types and wattage per request</i>	
AL7131		

### Product Selection Example



*\*Non-standard options may be subject to MOQs or longer lead times.*

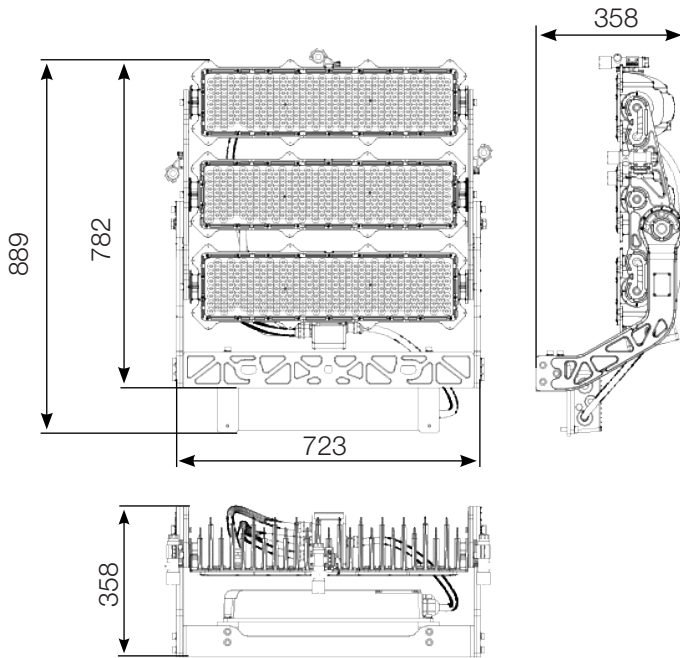
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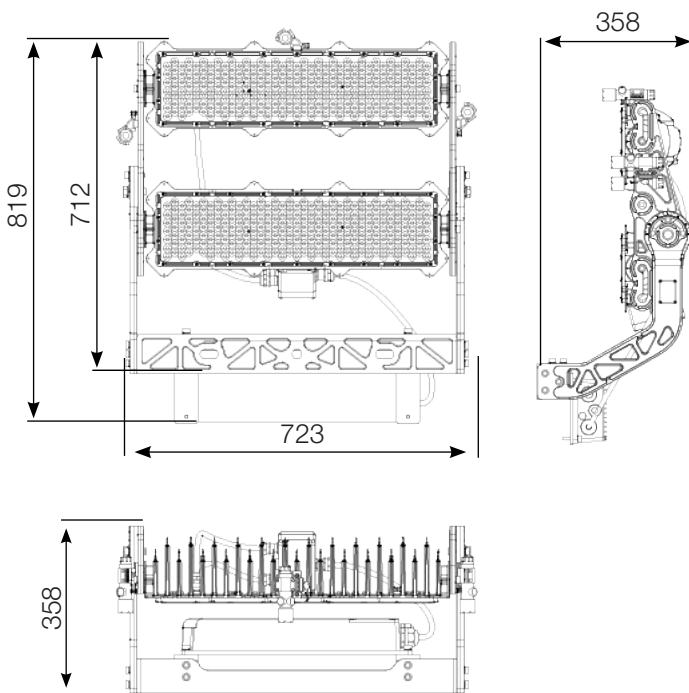
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## Dimensions

**3** module:



**2** module:

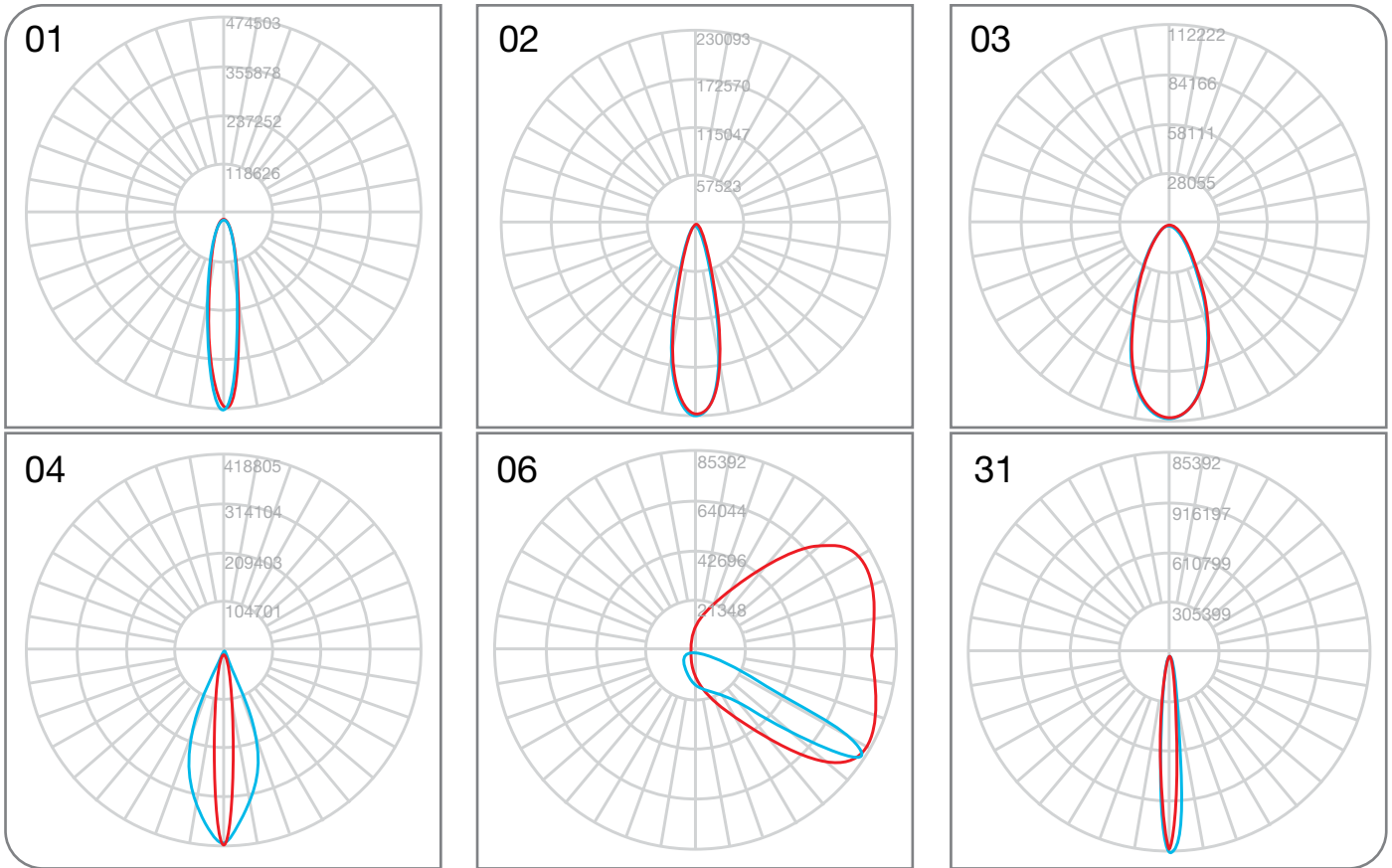


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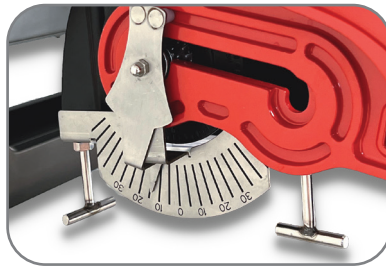
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## Photometry & Accessories



## Lighting Aiming Devices

Light aiming devices guarantee installation precision, precise rotation and adjustment of floodlights, compliance with broadcasting standards and consistent illumination.



## Shield Options

Our shielding accessories improve luminaire performance by reducing light spill, glare, and upward light, ensuring compliance with local light pollution and environmental standards. Available in 100mm - 300mm.

