

FL26

FL26 Compact Sports Floodlight with Dual-Tunable Optics & Wattage

FL26 is a compact, high-output sports floodlight engineered for seamless project execution. It masterfully combines selectable wattage, tunable optics, and a highly flexible tri-state driver mounting system. Equipped with Glass + PC Lens dual protection and a professional anti-glare visor, FL26 effortlessly adapts to complex layouts - from single-head supplementary lighting to multi-mast arrays - delivering an ultra-reliable, low-maintenance illumination solution for sports courts and outdoor recreational venues.

UP TO 170LM/W **300W- 1800W Tunable**

Product features

- Field-adjustable wattage and beam angle groups in one SKU.
- Supports integrated, bracket, or centralized pole-box installations.
- Built-in waterproof junction box for safe and efficient cable routing.
- Glass + PC lens architecture for ultimate UV and weathering protection.
- Optional visor minimizes glare for neighbor-friendly illumination.
- Built-in 5° increment scale with ±30° fixture tilt adjustment.
- Aerodynamic die-cast housing in premium black (silver-grey optional).

IP66 **IK08** **5 YEARS Warranty**



● Black



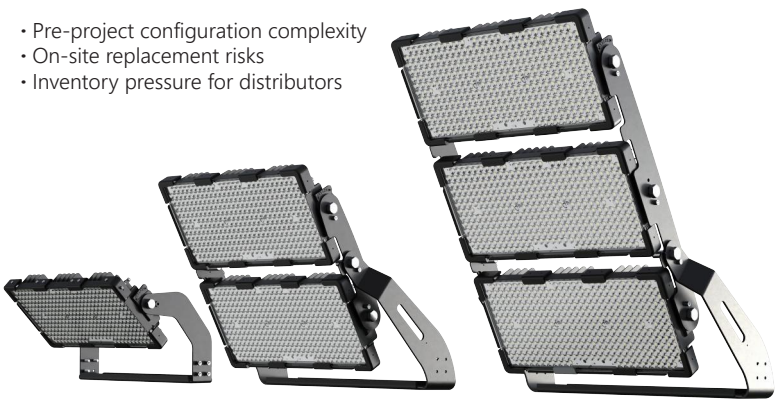
● Silver-grey

One SKU, Multiple Lighting Outcomes

FL26 combines wattage selection and optical grouping into a single fixture, allowing on-site adjustment without changing luminaires.

This significantly reduces:

- Pre-project configuration complexity
- On-site replacement risks
- Inventory pressure for distributors



300W / 400W/ 500W / 600W	600W / 800W / 1000W / 1200W	900W / 1200W / 1500W / 1800W
300W: 300W-240W-180W	**600W:** 600W-480W-360W	**900W:** 900W-720W-540W
400W: 400W-320W-240W	**800W:** 800W-640W-480W	**1200W:** 1200W-960W-720W
500W: 500W-400W-300W	**1000W:** 1000W-800W-600W	**1500W:** 1500W-1200W-900W
600W: 600W-480W-360W	**1200W:** 1200W-960W-720W	**1800W:** 1800W-1440W-1080W

Compact Footprint, Flagship Output

FL26 is engineered for sports lighting projects that demand high performance without the bulk of large stadium luminaires. It shatters the heavy footprint of traditional floodlights, delivering exceptional lumen output in a compact single-head design.

3-in-1 Wattage Selectable

Instantly switchable on-site, drastically reducing distributor inventory pressure while giving contractors unmatched flexibility to meet specific illuminance targets and energy-saving strategies.

Designed for Real Installation Conditions

FL26 is not designed for ideal layouts - but for real-world projects.

With built-in aiming scale, flexible tilt adjustment, and multiple driver configurations, it adapts to:

- Non-standard pole positions
- Different mounting heights
- Complex multi-head arrangements

Helping installers achieve accurate lighting results without repeated adjustments.

Premium Optical Armor: Anti-Decay & Glare Control

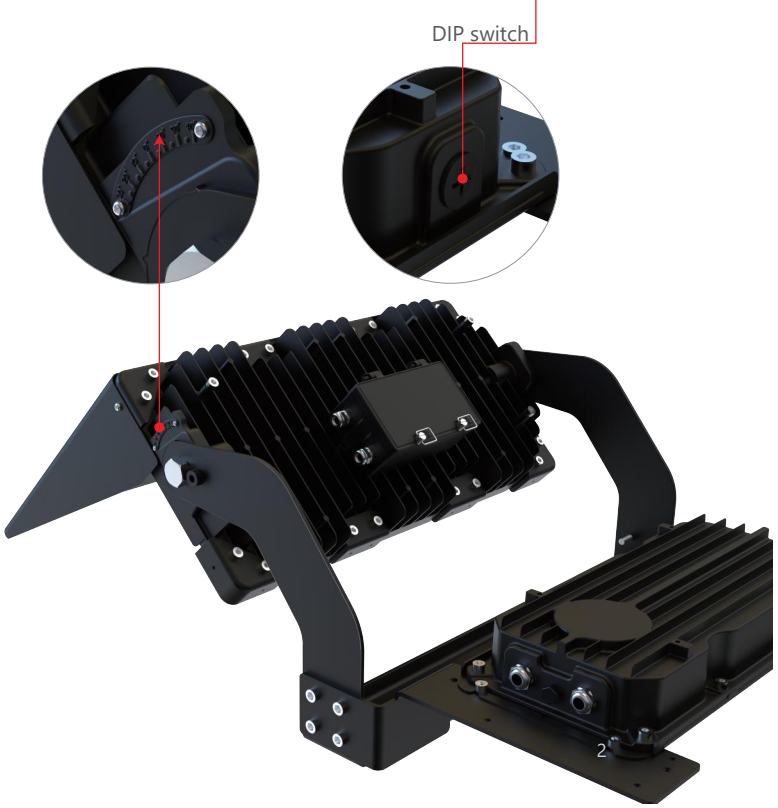
Glass + PC Lens Dual Protection: Prolonged exposure to harsh UV rays and weather can cause single-layer PC lenses to yellow and turn brittle. FL26 comes standard with a tempered glass front shield, perfectly protecting the inner PC lens to eliminate yellowing and guarantee long-term optical stability and lumen maintenance.

Professional Visor: Precisely controls the beam, minimizing unwanted spill light and blinding glare. This enhances visual comfort for players and ensures a "neighbor-friendly" lighting environment for surrounding communities.



Built-in 5° increment scale with ±30° fixture tilt adjustment

Make high-altitude alignment as precise as clockwork. The heavy-duty bracket of the FL26 features a clear, high-precision aiming scale with 5° increments and supports a flexible ±30° vertical tilt adjustment. This engineering-focused detail eliminates the guesswork during high-mast installation, ensuring every beam hits the target area exactly as simulated in Dialux, while significantly slashing installation time and labor costs.



Durability & Reliability

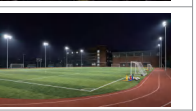
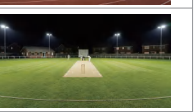
Constructed with a heavy-duty die-cast aluminum housing and IP66 ingress protection, FL26 is built to withstand torrential rain, sandstorms, and extreme outdoor challenges. Powered by top-tier LED chips and premium driver platforms, it guarantees rock-solid reliability for long-term professional sports lighting applications.

Reliable Component

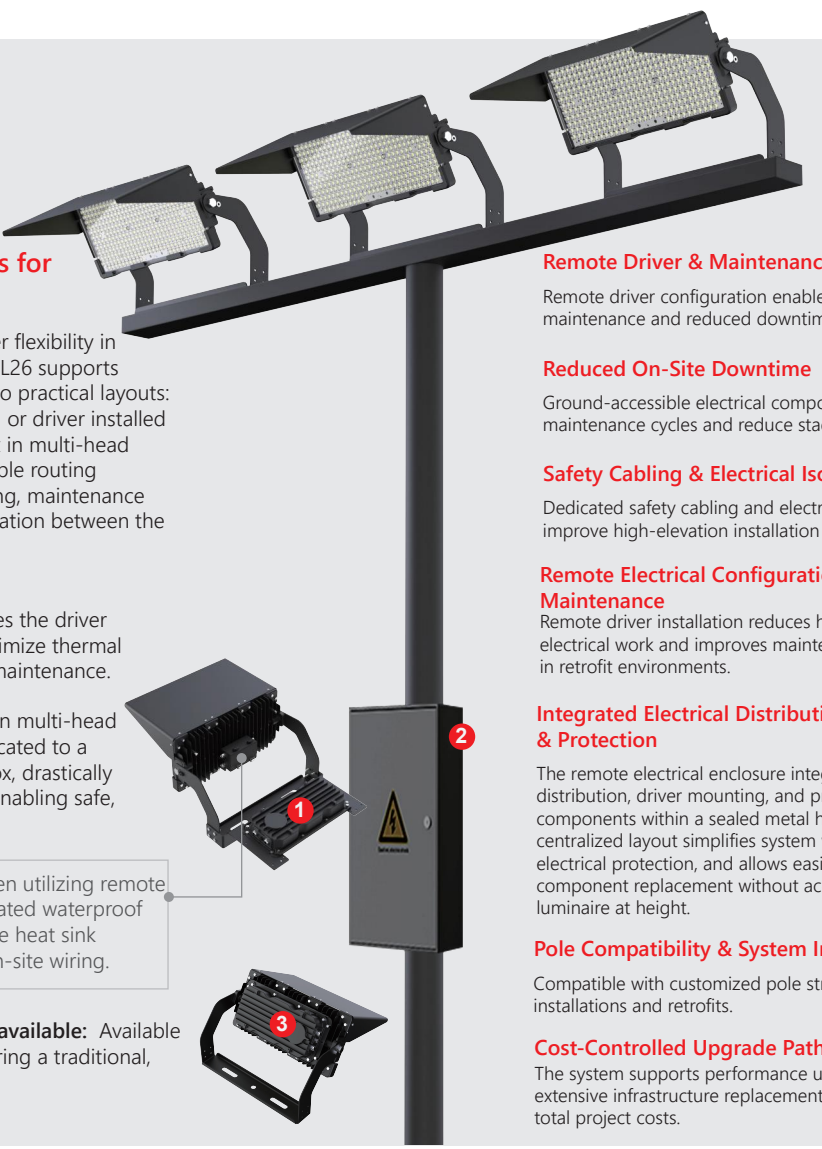
FL26 uses quality LED and driver platforms suitable for professional sports lighting projects, helping ensure dependable system performance.

Flexible Optics Configuration for Different Mounting Heights and Applications

FL26 is designed with a flexible optics system to adapt to real project conditions, not fixed layouts.
In addition to grouped beam options for fast on-site adjustment, it also supports individual beam angles for precise lighting design.
This allows one luminaire platform to cover a wide range of mounting heights, throw distances, and field layouts — from compact courts to large-area sports lighting systems.

Selectable Beam Group	Recommended Mounting Height	Typical Applications	Typical Venue Size	Example
20°-30°-40°-50° (4-in-1 Narrow to Medium)	approx. 12-32 m	Professional stadiums, high-mast systems, long-throw targeting, club-level football fields.	Large football pitches and medium-to-large sports fields.	
60°-70°-90° (3-in-1 Wide Flood)	approx. 6-15 m	Basketball courts, tennis courts, school sports grounds, parking lots, aprons, open areas.	28×15m basketball courts, 23.77×10.97m tennis courts, wide areas.	
Asymmetric (Dual-asymmetric Options)	approx. 8-12 m	Perimeter mounting, neighbor-friendly residential sports courts, strict glare-control zones.	Padel courts, side-mast football fields, roadside sports venues.	
10° / 15° / 20° / 30° / 40° / 50° / 60° / 70° / 90° / Asymmetric (Fixed Beam Options)	Based on design	Projects requiring precise optical control	Customized lighting layouts	/

**** Note: Recommended application ranges below are for project reference only. Final beam selection should be confirmed by lighting simulation according to actual pole positions, target illuminance, and uniformity requirements.*



Remote Driver Solutions for Flexible Installation

For projects that require greater flexibility in installation and maintenance, FL26 supports remote driver solutions with two practical layouts: driver mounted on the bracket, or driver installed inside the pole distribution box in multi-head systems. This helps improve cable routing flexibility, system layout planning, maintenance accessibility, and thermal separation between the driver and the luminaire body.

1. **Bracket-Mounted:** Separates the driver from the heat source to optimize thermal management and simplify maintenance.
2. **Remote Driver Enclosure:** In multi-head systems, drivers can be relocated to a ground-level distribution box, drastically reducing mast weight and enabling safe, ground-level servicing.

Waterproof junction box: When utilizing remote driver configurations, a dedicated waterproof junction box on the rear of the heat sink ensures secure, hassle-free on-site wiring.

3. **Built-in driver option also available:** Available for standard projects preferring a traditional, all-in-one compact fixture.

Remote Driver & Maintenance Access

Remote driver configuration enables ground-level maintenance and reduced downtime

Reduced On-Site Downtime

Ground-accessible electrical components shorten maintenance cycles and reduce stadium downtime.

Safety Cabling & Electrical Isolation

Dedicated safety cabling and electrical isolation improve high-elevation installation safety.

Remote Electrical Configuration for Safer Maintenance

Remote driver installation reduces high-elevation electrical work and improves maintenance safety in retrofit environments.

Integrated Electrical Distribution & Protection

The remote electrical enclosure integrates power distribution, driver mounting, and protection components within a sealed metal housing. This centralized layout simplifies system wiring, enhances electrical protection, and allows easier inspection and component replacement without accessing the luminaire at height.

Pole Compatibility & System Integration

Compatible with customized pole structures for new installations and retrofits.

Cost-Controlled Upgrade Path

The system supports performance upgrades without extensive infrastructure replacement, helping control total project costs.

Specification



Model No.	ZC-FL26-300W	ZC-FL26-400W	ZC-FL26-500W	ZC-FL26-600W
Wattage Tunable(100%-80%-60%)	300W-240W-180W	400W-320W-240W	500W-400W-300W	600W-480W-360W
Input Voltage	AC100-277V			
Luminous Efficacy (@5000K)	170lm/W	165lm/W	160lm/W	155lm/W
Luminous Flux	51,000 lm-40,800 lm-30,600 lm	66,000 lm-52,800 lm-39,600 lm	80,000 lm-64,000 lm-48,000 lm	93,000 lm-74,400 lm-55,800 lm
Weight	11.5kg(Net Weight) / 13kg(Gross Weight)			

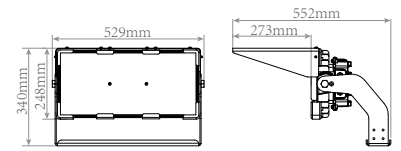


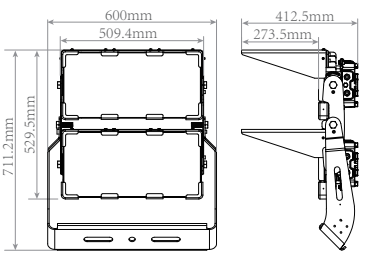
Model No.	ZC-FL26-600W	ZC-FL26-800W	ZC-FL26-1000W	ZC-FL26-1200W
Wattage Tunable(100%-80%-60%)	600W-480W-360W	800W-640W-480W	1000W-800W-600W	1200W-960W-720W
Input Voltage	AC100-277V			
Luminous Efficacy (@5000K)	170lm/W	165lm/W	160lm/W	155lm/W
Luminous Flux	102,000 lm-81,600 lm-61,200 lm	132,000 lm-105,600 lm-79,200 lm	160,000 lm-128,000 lm-96,000 lm	186,000 lm-148,800 lm-111,600 lm
Weight	22kg(Net Weight) / 25kg(Gross Weight)			

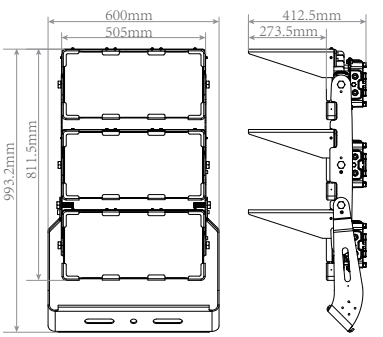


Model No.	ZC-FL26-900W	ZC-FL26-1200W	ZC-FL26-1500W	ZC-FL26-1800W
Wattage Tunable(100%-80%-60%)	900W-720W-540W	1200W-960W-720W	1500W-1200W-900W	1800W-1440W-1080W
Input Voltage	AC100-277V			
Luminous Efficacy (@5000K)	170lm/W	165lm/W	160lm/W	155lm/W
Luminous Flux	153,000 lm-122,400 lm-91,800 lm	198,000 lm-158,400 lm-118,800 lm	240,000 lm-192,000 lm-144,000 lm	279,000 lm-223,200 lm-167,400 lm
Weight	30kg(Net Weight) / 33kg(Gross Weight)			
Selectable Beam Angle	4-in-1(20°-30°-40°-50°) / 3-in-1(60°-70°-90°) / Assymetric Selectable / 10° / 15° / 20° / 30° / 40° / 50° / 60° / 70° / 90° / Assymetric Optional			
CCT	3000K / 4000K /5000K /5700K / 6500K			
CRI	>Ra70 (Ra80, Ra90, TLCI90 optional)			
SDCM	≤6			
Power Factor (PF)	≥0.95			
THD	<15%			
Flicker (%)	<1%			
Surge Protection (SPD)	10KV or 20KV external SPD optional			
Electrical Protection	Class I			
IP Rating	IP 66			
IK Rating	IK 08			
Operating Temp.	- 30°C - +50°C			
Lifetime (L70)	50,000Hours			
Control Protocol	0-10V, DMX512, DALI, D4i			
Certifications	CE, CB, RoHS, ENEC (Pending)			
LED Brand	Lumileds			
Driver Brand	Lifud / Inventronics / Sosen / Moso			
Housing Material & Finish	Die-casting Heat Sink / ADC12 / Powder coated Steel Metal U-Bracket / SPCC / Powder Coated			
Optics	PC Lens+Glass			
Housing Color	Black / Sliver-grey			
Warranty	5 years			

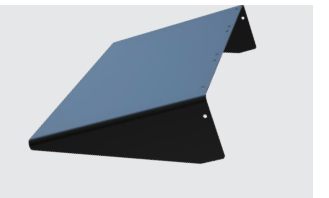
Dimensions



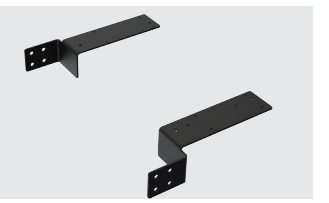




Optional Accessories



Visor



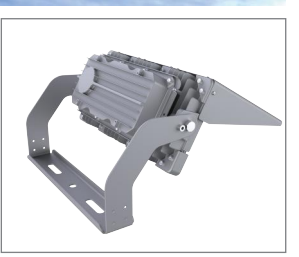
Driver mounting bracket

Silver-grey color for optional









Applications

- Football pitches
- Training grounds
- Basketball courts
- Tennis courts
- School sports fields
- Community sports facilities
- Multi-purpose outdoor courts
- Outdoor recreational venues