



Inventronics Embarks On a New Era of Deep Dimming

Inventronics **NFM/NFS** non-isolated LED driver for sports lighting applications

Ultra-wide Voltage All-in-one LED Driver

Dimming level 0.1%

High efficiency

Adjustable Output Current (AOC) with NFC

44 frames per second strobe function

ALL-IN-ONE DESIGN

DALI-2 | DMX&RDM | 0-10V Dimming | 180-528Vac



global-mark

Non-Isolated LED driver for sports lighting

NFM 180~528Vac



Features

- Ultra High Efficiency (Up to 98%)
- Non-Isolated Class I Driver (Single Channel)
- No Afterglow
- Minimum Dimming Low to 0.1%-DALI/DMX Mode
- Dim-to-Off With Standby Power $\leq 0.5W$ @ 230Vac
- Adjustable Output Current (AOC) with NFC
- Integrated Power Metering
- Controls Up to 44 fps Integrated Power Metering With High Accuracy Up to $\pm 1\%$
- 12V Auxiliary Power—Except DMX Mode
- Input Surge Protection: DM 10kV, CM 10kV

Dimming Functions

- DALI-2 & DMX-RDM Dimmable & Adjustable 0-10V & PWM & 3-Timer-Modes Dimmable & Resistor (Gx Model)
- Adjustable 0-10V & PWM & 3-Timer-Modes Dimmable & Resistor (Mx Model)

Power Levels

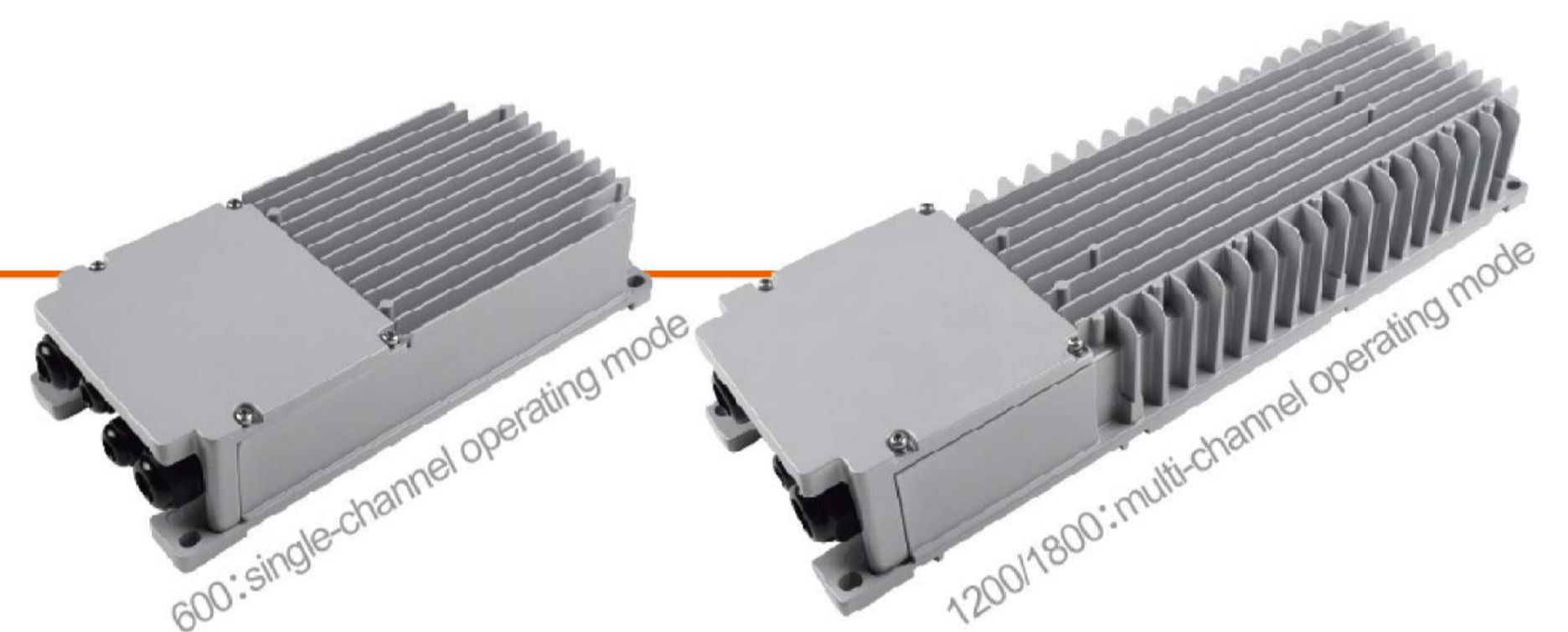
680W 880W 1200W



Output Power (W)	Model No.	Full-power Current Range (mA)	Output Voltage Range (Vdc)	Eff.@400Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
680	NFM-680S270Gx/Mx	1360 ~ 2700	150 ~ 500	97.0%	100,000 Tc=70°C	275(256) × 90 × 43.5
880	NFM-880S350Gx/Mx	1760 ~ 3500	150 ~ 500	97.5%	100,000 Tc=70°C	275(250) × 108 × 44.5
1200	NFM-1K2S480Gx/Mx	2400 ~ 4800	150 ~ 500	98.0%	100,000 Tc=70°C	310(288) × 108 × 48.5

Non-Isolated LED driver for sports lighting

NFS 180~528Vac



Features

- Multi-Channel Design
- Exposure Installaion
- Ultra High Efficiency (Up to 97%)
- Non-Isolated Class I Driver (Single Channel)
- No Afterglow
- 0.1% Minimum Dimming Level Supports 0.1%
- Dim-to-Off With Standby Power $\leq 0.5W$ @ 230Vac
- Adjustable Output Current (AOC) with NFC
- Integrated Power Netering
- Controls Up to 44 fps Integrated Power Netering With High Accuracy Up to $\pm 1\%$
- 12V Auxiliary Power –DALI Mode
- Input Surge Protection: DM 10kV, CM 10kV
- 1*DT6/DMX +2*DT6/DMX-1200W (Selectable)
- 1*DT6/DMX +3*DT6/DMX-1800W (Selectable)

Dimming Functions

DALI-2/D4i+DMX-RDM

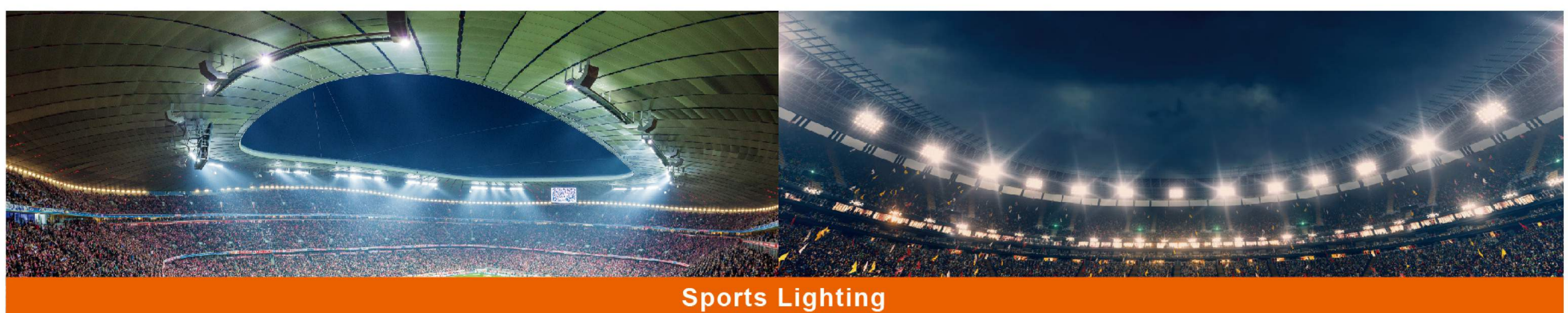
Power Levels

600W 1200W 1800W



Output Power (W)	Model No.	Full-power Current Range (mA)	Output Voltage Range (Vdc)	Eff.@480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
600	NFS-600S210BC	1200 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	310 × 145 × 70
1200	NFS-1K2D210BC	1200 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	500 × 152 × 80
1800	NFS-1K8T210BC	1200 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	500 × 152 × 80

Target applications



Sports Lighting