

ALDRIDGE

TITAN & TITAN²⁺



SPORTS

Modular Flood Lighting System 75W - 1200W





APPLICATIONS

- Stadiums
- Sports Fields
- Building Facades
- Area Lighting
- Signage & Billboards
- Ports, Docks & Depots
- Heavy Industrial

TITAN²⁺

The TITAN²⁺ modular series is designed to solve long lasting issues with the supply and availability of sports and industrial lighting. Our new modular LED system is a fusion of exciting new technologies that gives designers the flexibility to customise optics instantly, and build a variety of luminaires on demand.

TITAN²⁺



Features and Benefits

- Smart City Ready - TST compatibility Zigbee, LoRa, NBIoT, (DALI - optional)
- Rapid fit optics, customize the light beam to deliver the perfect performance
- Plug and play
- Unique waterproofing concept - instant IP65 rating for the light engines
- >160 lm/W designed to meet and exceed industry performance standards
- Protective UV stabilized powder coated finish
- Compatible with multiple dimming protocols including 0-10V and DALI
- Optional built-in emergency



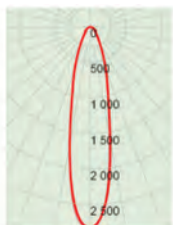
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TITAN²⁺ Technical Specifications at a Glance

Description	TITAN ²⁺ LED Modular Flood Light Series (TNP)				
Recommended Product Location	Area and Site Lighting Applications				
Model Number	TNP-075	TNP-100	TNP-150	TNP-200	TNP-300
Typical System Power (W)	82	110	160	220	320
Typical Luminous Flux	12,800	17,800	25,500	35,800	52,100
Model Number	TNP-400	TNP-600	TNP-800	TNP-1000	TNP-1200
Typical System Power (W)	440	640	880	1,100	1,280
Typical Luminous Flux	71,800	105,000	143,500	179,400	208,000
Light Source	SAMSUNG LED				
Number of LEDs	80 LEDs Per Module				
Correlated Colour Temperature	4000K, 5000K, 6000K				
Colour Rendering Index	<70 or <80 available)				
System Efficacy	160-166 Lm/W				
Optics	Symmetrical : D2 (20°x20°) Round: D3 (30°x30°) Round: D6 (60°x60°)				
	Nema: Type I (30°x100°) Type II (50°x140°) Type III (40°x140°)				
	Type IV (30°x140°) Type V (140°x140°)				
Driver	Meanwell / Inventronics				
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)				
Power Factor	<0.9				
Electrical Class	Class 1				
Dimming Control Optional	0-10V, DALI				
Ambient Operating Temperature	-40°C to +40°C				
Ambient Storage Temperature	-25°C to +80°C				
Material	Die Cast Aluminium (Module), Zinc Galvanised Steel (Bracket)				
Optical Cover	Polycarbonate				
Finish	Black or Grey Powder Coating				
Ingress Protection (IP)	IP65				

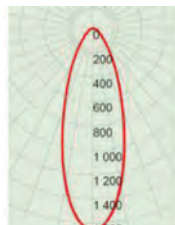
Photometrics

D2

**20°x20°**

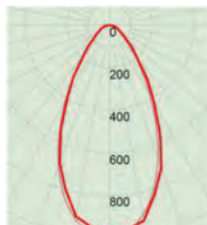
Very Narrow Beam

D3

**30°x30°**

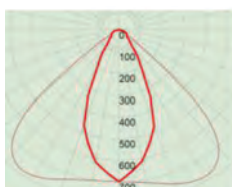
Narrow Beam

D6

**60°x60°**

Medium Beam

T1

**TYPE I****30°x100°**

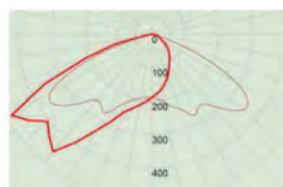
T2

**TYPE II****50°x140°**

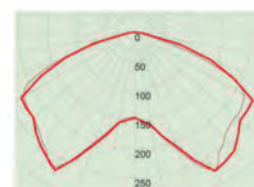
T3

**TYPE III****40°x140°**

T4

**TYPE IV****30°x140°**

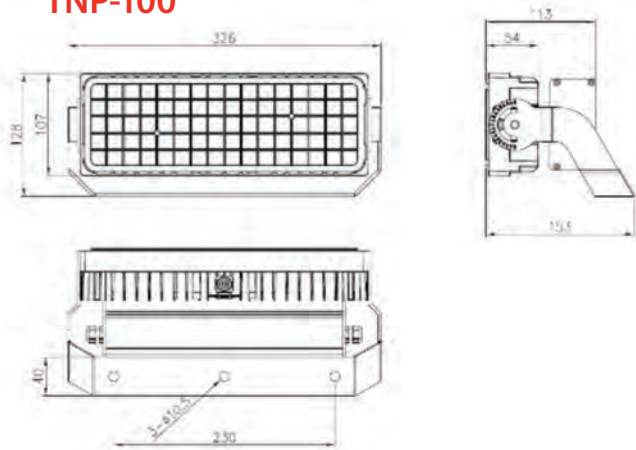
T5

**TYPE V****140°x140°**

Ordering Information

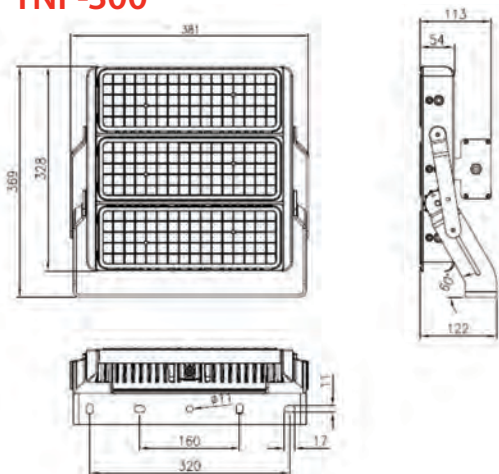
Product ID	System Power	Colour Temp	CRI	Optics	Control	Finish
TNP	075 = 82W	40K = 4000K	70 = Min 70	D2 = Symmetrical (20°x20°)	ND = Non-Dimmable	WH = White
	100 = 110W	50K = 5000K	80 = Min 80	D3 = Symmetrical (30°x30°)	VD = 0-10V Dimmable	BL = Black
	150 = 160W	65K = 6500K		D6 = Symmetrical (60°x60°)	DD = DALI Dimmable	
	200 = 220W			T1 = Type I (30°x100°)		
	300 = 320W			T2 = Type II (50°x140°)		
	400 = 440W			T3 = Type III (40°x140°)		
	600 = 620W			T4 = Type IV (30°x140°)		
	800 = 880W			T5 = Type V (140°x140°)		
	1000 = 1100W					
	1200 = 1280W					

TNP-100



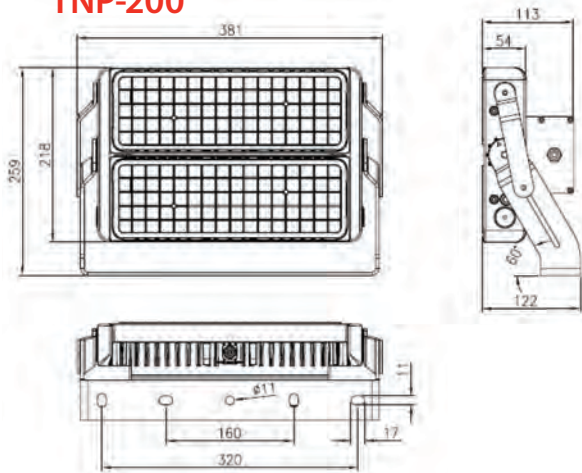
Model Number	TNP-75	TNP-100
Wattage(W)	75	100
Typical System Power (W)	82	110
Typical Luminous Flux	12,800	17,800
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)	
CCT (K)	4000K, 5000K, 6000K	
CRI	<70 or <80 available)	
IP	IP65	
Weight (Kg) Max	4.4Kg	

TNP-300



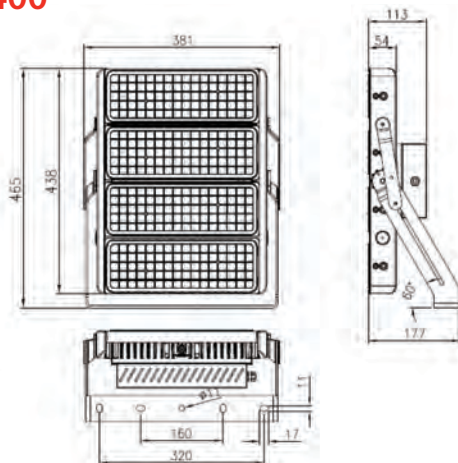
Model Number	TNP-300
Wattage(W)	300
Typical System Power (W)	320
Typical Luminous Flux	52,100
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	9.9Kg

TNP-200



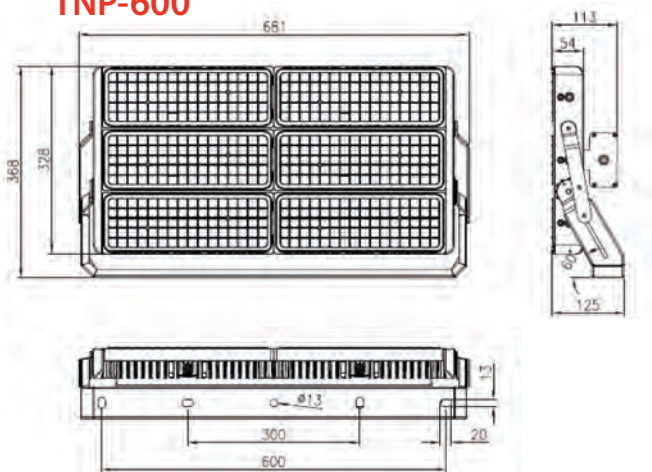
Model Number	TNP-150	TNP-200
Wattage(W)	150	200
Typical System Power (W)	160	2200
Typical Luminous Flux	25,500	35,800
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)	
CCT (K)	4000K, 5000K, 6000K	
CRI	<70 or <80 available)	
IP	IP65	
Weight (Kg) Max	8.0Kg	

TNP-400



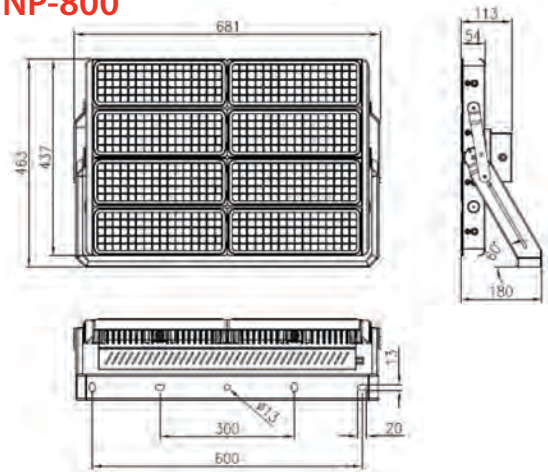
Model Number	TNP-400
Wattage(W)	400
Typical System Power (W)	440
Typical Luminous Flux	71,800
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	12.6Kg

TNP-600



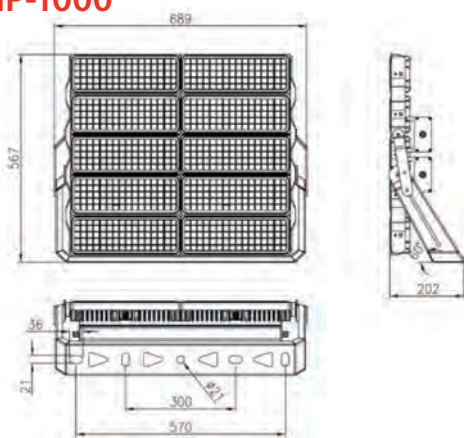
Model Number	TNP-600
Wattage(W)	600
Typical System Power (W)	620
Typical Luminous Flux	105,000
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	16.4Kg

TNP-800



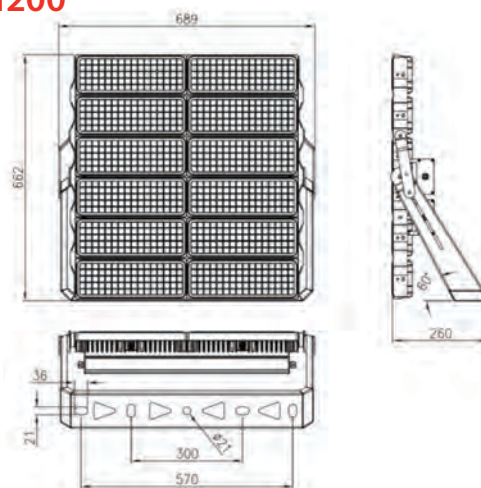
Model Number	TNP-800
Wattage(W)	800
Typical System Power (W)	880
Typical Luminous Flux	143,500
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	23.6Kg

TNP-1000

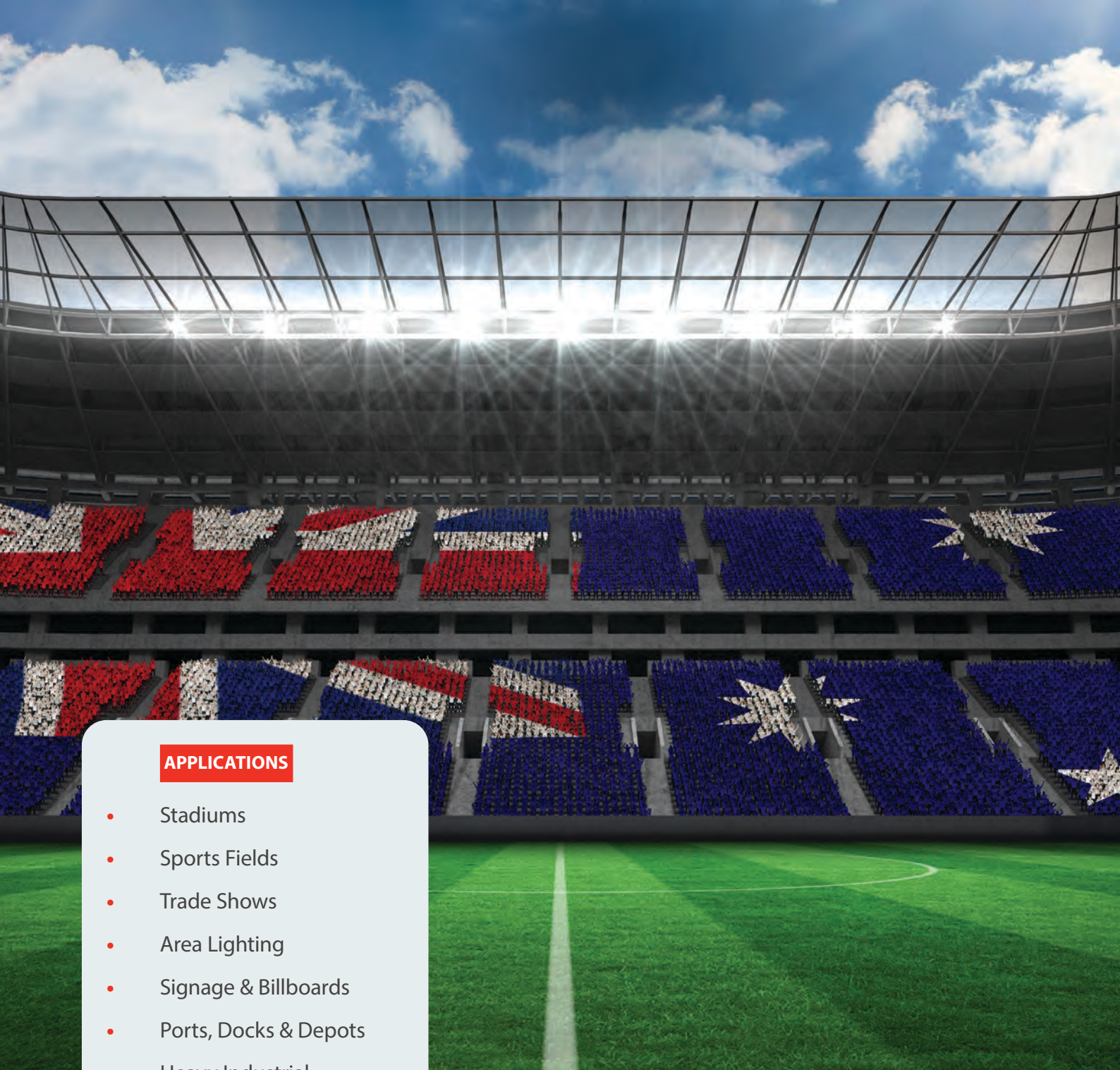


Model Number	TNP-1000
Wattage(W)	1000
Typical System Power (W)	1100
Typical Luminous Flux	179,400
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	27.2Kg

TNP-1200



Model Number	TNP-1200
Wattage(W)	1200
Typical System Power (W)	1280
Typical Luminous Flux	208,000
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)
CCT (K)	4000K, 5000K, 6000K
CRI	<70 or <80 available)
IP	IP65
Weight (Kg) Max	37Kg



APPLICATIONS

- Stadiums
- Sports Fields
- Trade Shows
- Area Lighting
- Signage & Billboards
- Ports, Docks & Depots
- Heavy Industrial

TITAN

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TITAN



Features and Benefits

- Smart City Ready - TST compatibility Zigbee, LoRa, NBloT
- Easy heat dissipation helping to extend lifetime
- Air convection design
- Operating Temperature -40°C to +50°C
- High Transmittance PC lens
- 110 - 150 lm/W designed to meet and exceed industry performance standards
- Anti-glare design, high uniform light distribution
- Die cast aluminium body

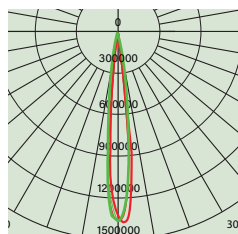
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TITAN Technical Specifications at a Glance

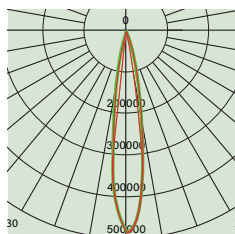
Description	TITAN LED Modular Flood Light Series (TN)			
Recommended Product Location	Area and Site Lighting Applications			
Model Number	TN-200	TN-300	TN-400	TN-500
Typical System Power (W)	200	300	400	500
Typical Luminous Flux	28,000	32,000	56,000	67,000
System Efficacy	110 /120 /150 Lm/W	150 Lm/W	110 /120 /150 Lm/W	110 /120 /150 Lm/W
Beam Angles	10° 15° 30° 60° 90° T2	30° 60° 90° T2	10° 15° 30° 60° 90° T2	10° 15° 30° 60° 90° T2
Model Number	TN-600	TN-800	TN-1000	TN-1200
Typical System Power (W)	600	800	1000	1200
Typical Luminous Flux	78,000	111,000	132,000	156,000
System Efficiency	150 Lm/W	110/120 /150 Lm/W	120 /150 Lm/W	150 Lm/W
Beam Angle	30° 60° 90° T2	10° 15° 30° 60° 90° T2	10° 15° 30° 60° 90° T2	30° 60° 90° T2
Light Source	SAMSUNG LED			
Number of LEDs	120 LEDs Per Module			
Correlated Colour Temperature	3000, 4000K, 5000K, 5700K			
Colour Rendering Index	>70			
Optics	10° / 15° / 30° / 60° / 90° / T2 117* x 34°			
Driver	Inventronics			
Input Voltage Range	100-277VAC 50/60Hz (277-480VAC optional)			
Power Factor	<0.9			
Electrical Class	Class 1			
Dimming Control Optional	0-10V, DALI			
Ambient Operating Temperature	-40°C to +50°C			
Ambient Storage Temperature	-40°C to +80°C			
Material	Die Cast Aluminium (Module), Zinc Galvanised Steel (Bracket)			
Optical Cover	Polycarbonate			
Finish	Black Powder Coating			
Ingress Protection (IP)	IP66			

Photometrics

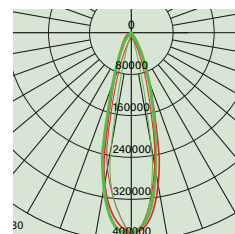
10°



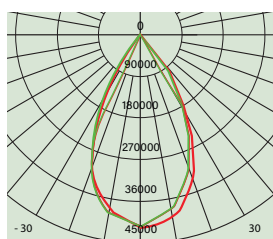
15°



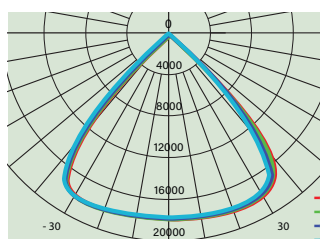
30°



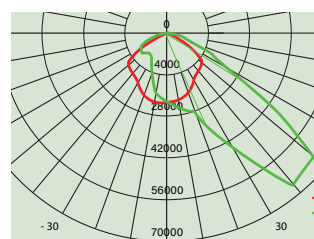
60°



90°



T2



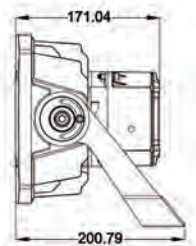
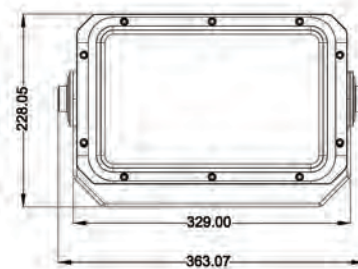
Ordering Information

Product ID	System Power	Colour Temp	CRI	Optics	Control	Finish
TN	200 = 200W	3000K	>70	10°	ND = Non-Dimmable	BL = Black
	300 = 300W	4000K		15°	VD = 0-10V Dimmable	
	400 = 400W	5000K		30°	DD = DALI Dimmable	
	500 = 500W	5700K		60°		
	600 = 600W			90°		
	800 = 800W			T2 = (117°x34°)		
	1000 = 1000W					
	1200 = 1200W					

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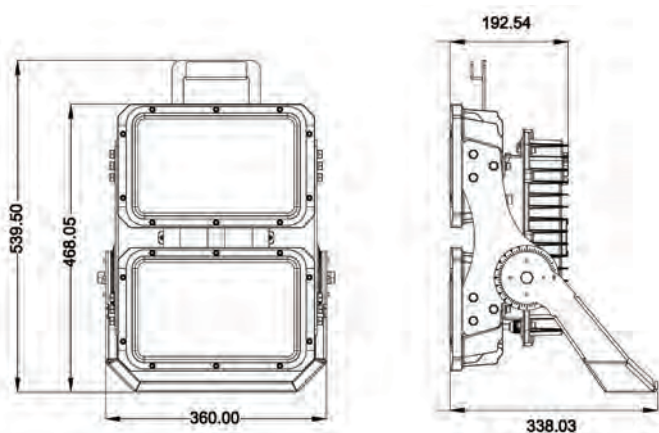


TN-100/200/300



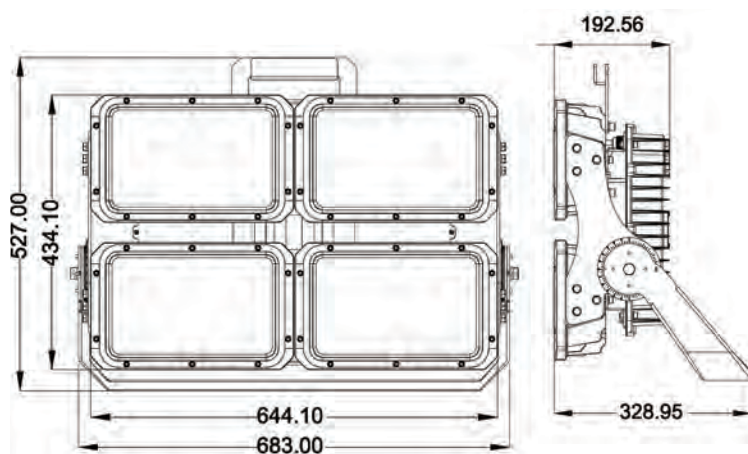
Model Number	TN-200	TN-300
Weight (Kg) Max	5.2Kg	6.2Kg
Dimensions O/D	363 x 228 x 171	

TN-400/500/600



Model Number	TN-400	TN-500	TN-600
Weight (Kg) Max	15Kg	15Kg	15.7Kg
Dimensions O/D	539 x 360 x 338		

TN-800/1000/1200



Model Number	TN-800	TN-1000	TN-1200
Weight (Kg) Max	33.6Kg	33.6Kg	35Kg
Dimensions O/D	527 x 683 x 328		



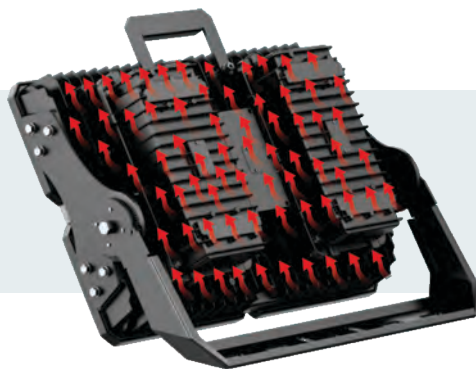
Features

- Rotating Removable Hood
- Anti-glare, high uniform light distribution
- Additional safety with strong chain supports for added safety protection

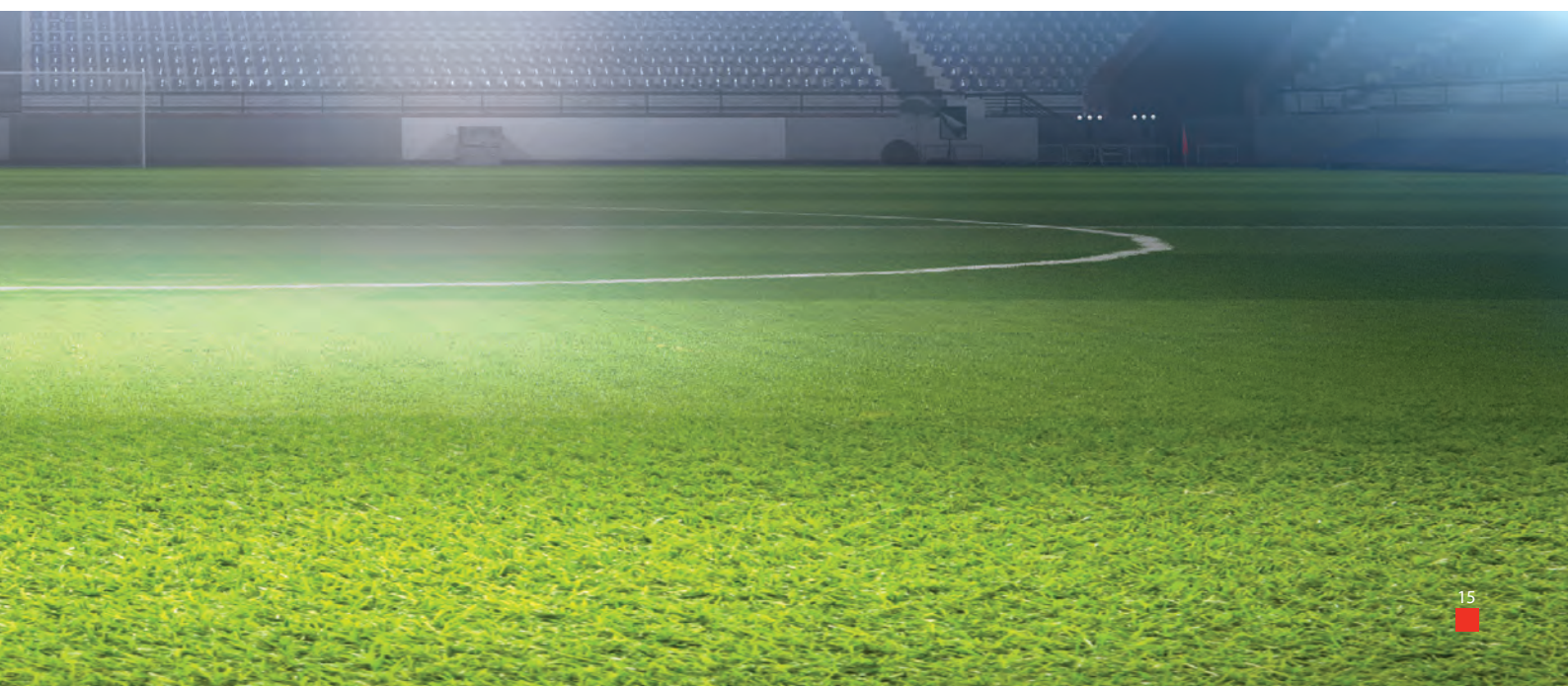




- Excellent heat dissipation
- Air convection design
- Vortex thermal design increases the contact surface of the heat sink

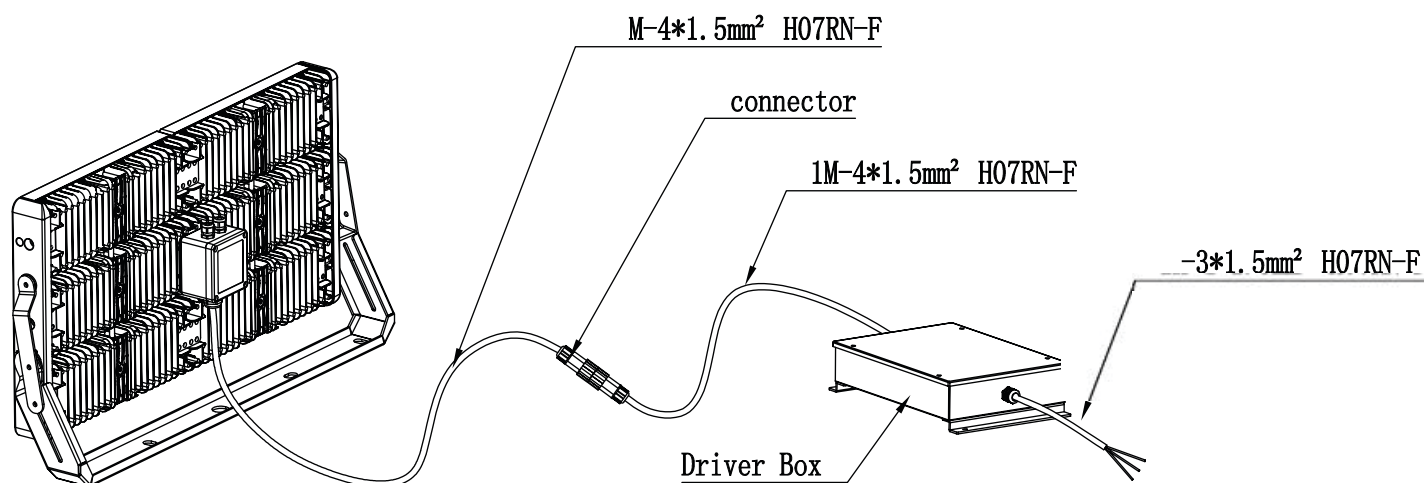
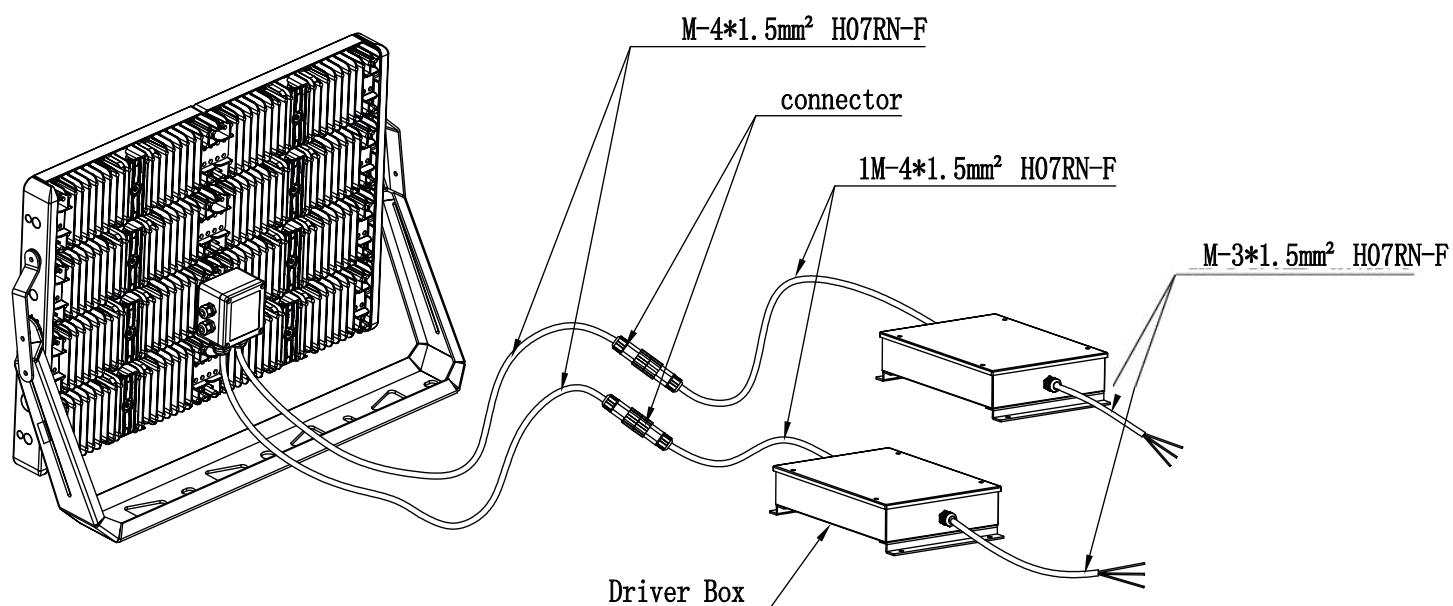


- U-shaped bracket giving precise rotation

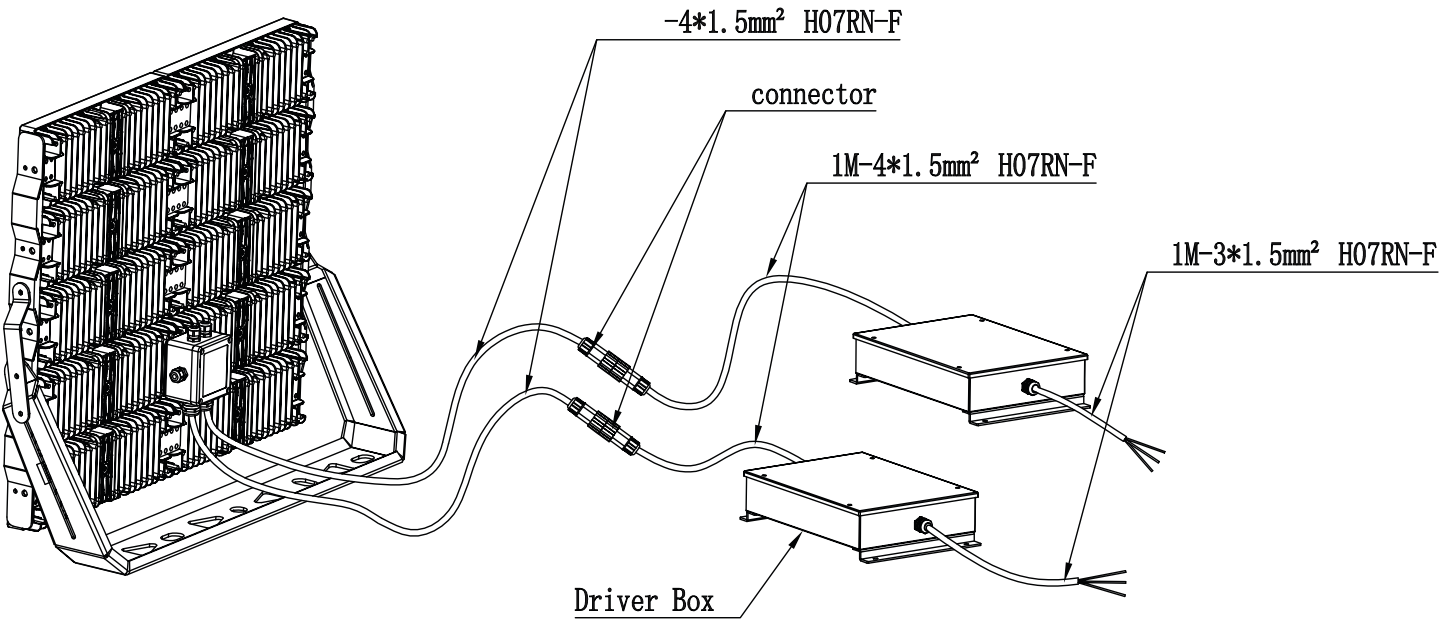


TITAN²⁺-1200 - Remote Driver Setup

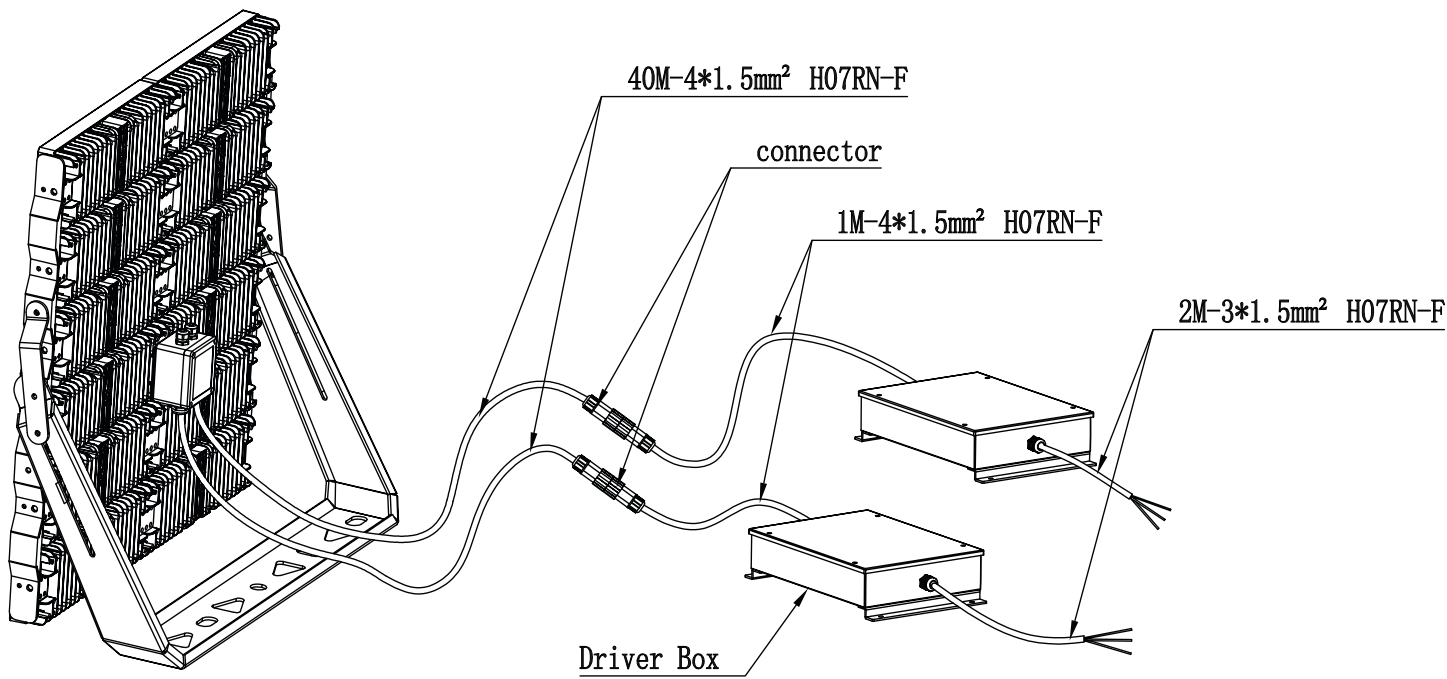


TITAN²⁺-600 remote drawing**TITAN²⁺-800 remote drawing**

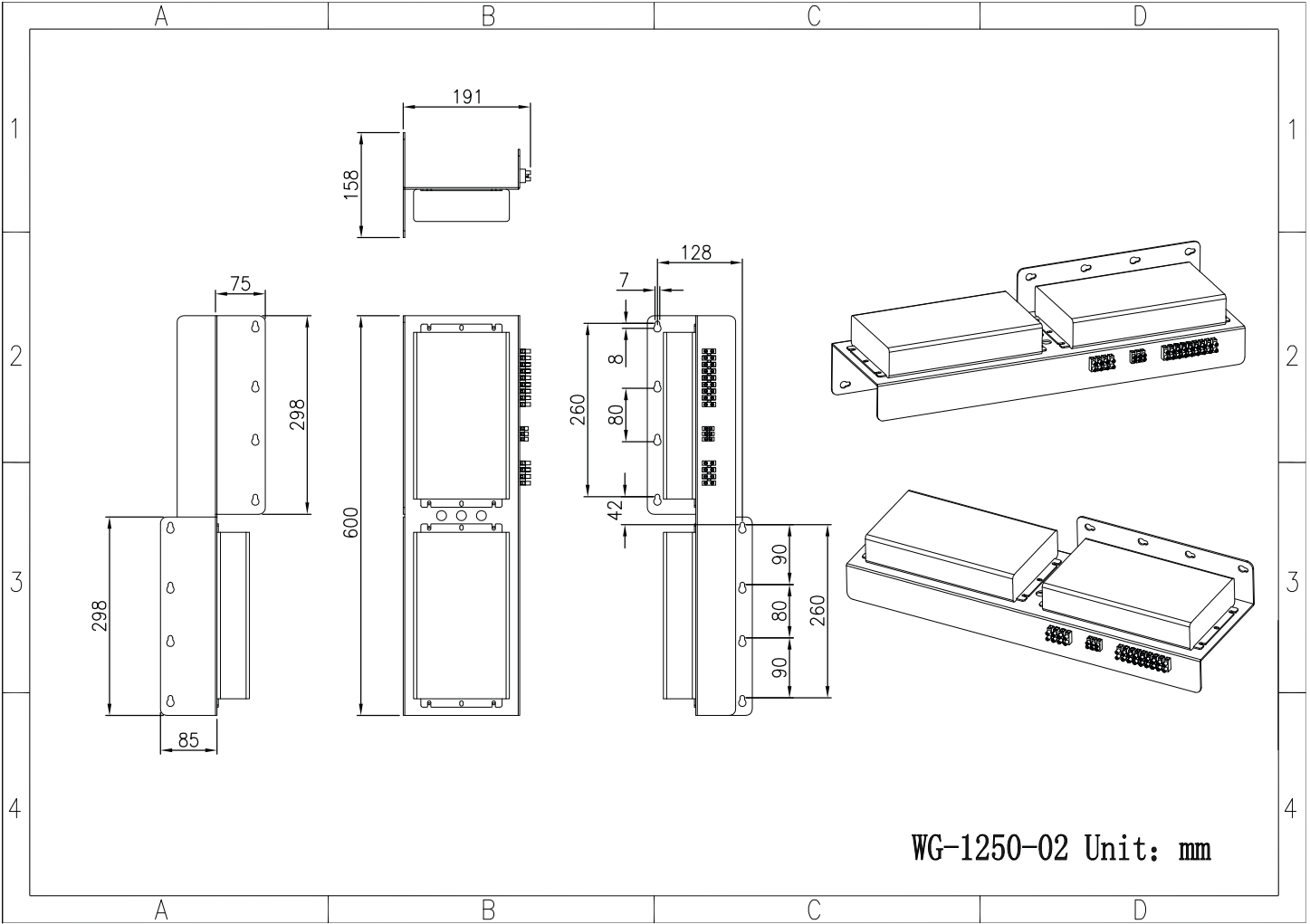
TITAN²⁺-1000 - remote drawing



TITAN²⁺-1200- Gear Tray pic 1



TITAN²⁺-1200 - Remote Driver Setup



ALDRIDGE

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