

Pro Max Flight Loop®



World 1st Global Innovation Loop In & Loop Out Intergrated LED Driver



DALI part 251,252,253

About Revolutionary LED Driver

AGT proudly presents the Pro Max Series, a groundbreaking line of LED driver designed to redefine convenience, efficiency, and cost-effectiveness in the realm of lighting solutions. With a focus on innovation and user-friendly features, the Pro Max Series is set to revolutionize the LED driver market.

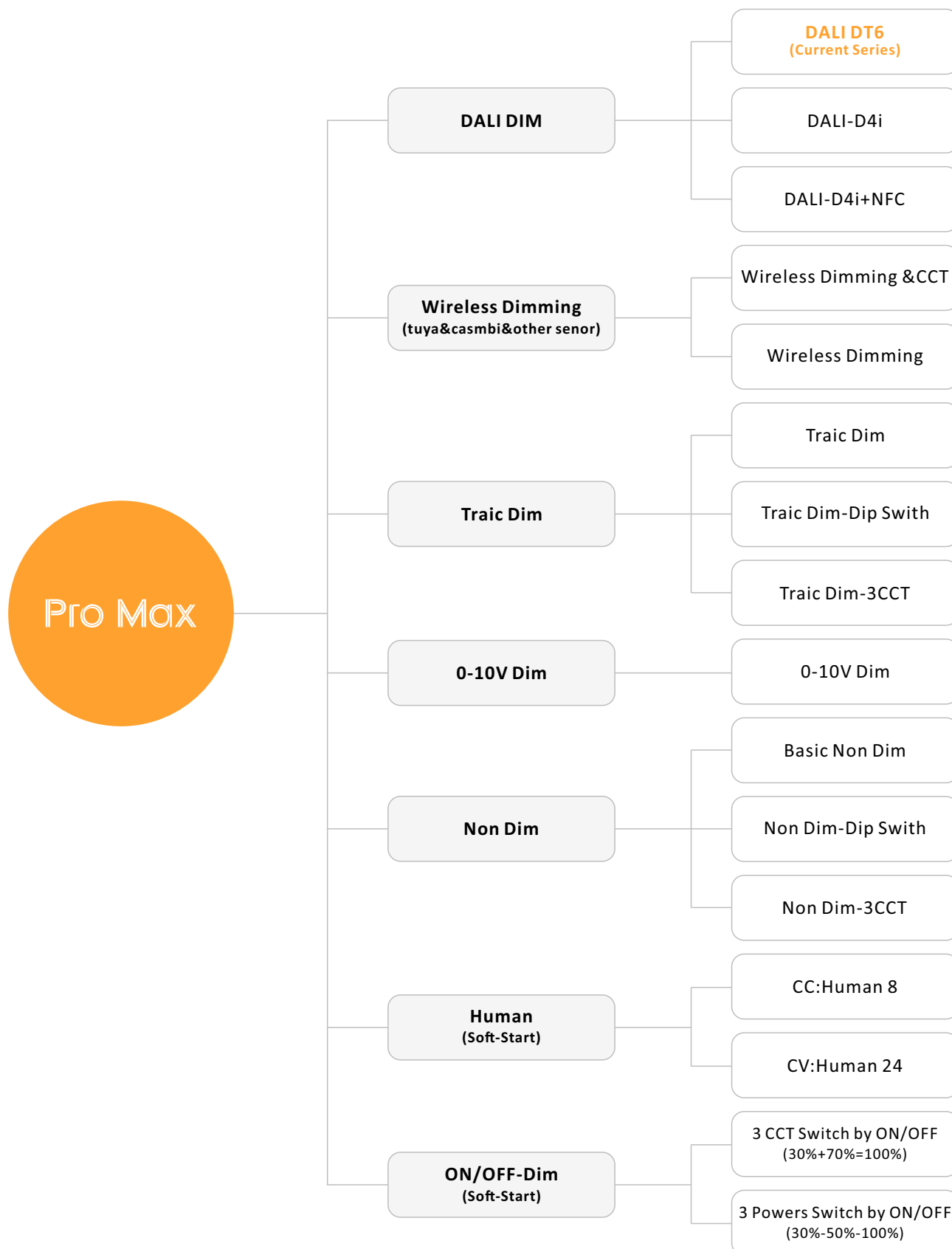
Innovated function to meet the need of difference application: Standard, 3CCT, D4i+NFC, DALI Dim-D4i, DALI Dim-DT6, Triac Dim, Triac Dim-3CCT, Wireless Dimming + CCT, 0-10V Dim, Soft-start, Constant Voltage, Constant Current.

- **Plug-and-Play Design:**
Features a user-friendly plug-and-play design with interchangeable wiring terminals, simplifying the installation process and reducing labor costs for electricians.
- **Cost-Effective Installation:**
Engineered to minimize installation expenses, the design of the Pro Max Series not only streamlines the power supply installation but also facilitates post-installation maintenance, resulting in overall cost savings.
- **Ease of Maintenance:**
The Pro Max Series ensures hassle-free maintenance, allowing for the swift replacement of the driver without the need to change wiring terminals. This feature minimizes downtime and enhances the longevity of your lighting system.
- **Versatility and Compatibility:**
In the event of a driver failure, the Pro Max Series offers the flexibility to replace it with a unit of different power ratings or functionalities, such as upgrading to a dimmable driver of the same size. This adaptability provides significant cost savings and customization options.

- **Wide Range of Applications:**
The ProMax Series finds its application in a diverse range of LED lighting fixtures, including LED panel, LED downlights, LED spotlights, LED waterproof lights, and LED bracket lights. Its versatile compatibility makes it suitable for various lighting scenarios.
- **Global Patents and Innovation:**
Boasting global invention patents, the Promax Series stands as the world's first of its kind. Our commitment to innovation ensures that you are investing in a product that is not only cutting-edge but also protected by intellectual property rights.
- **Five-Year Quality Assurance:**
As a testament to the durability and reliability of the Pro Max Series, we proudly offer a comprehensive 5-year warranty. Rest assured that your lighting infrastructure is supported by a product designed for long-term performance.

Experience the future of LED driver with the Pro Max Series-a symbol of innovation, versatility, and cost efficiency. Choose a lighting solution that not only illuminates but transforms the way we power our world.

Pro Max Series



Dimming range
0.1-100%

Bright



Dim

Innovated
Constant Current Isolated LED Driver



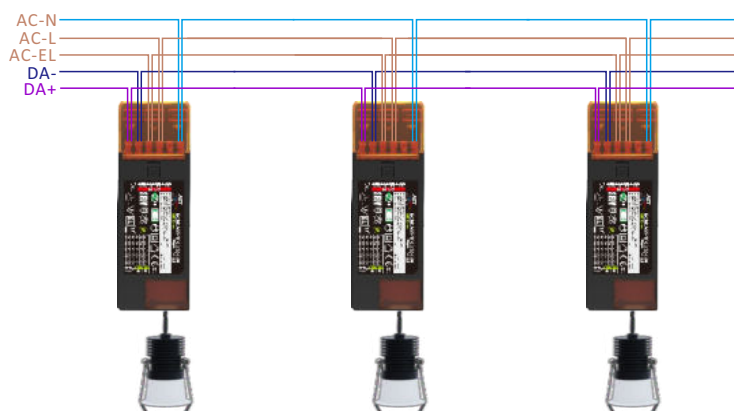
52W

45W

24W



Schematic diagram



Parameters

- 5-52W
- 25-40V
- 220-240V ac
- Surge protection 1KV
- Withstanding Voltage 3750Vac
- Operation Temp-20°C – 45°C
- PF>0.95, THD<15%
- Constant Power
- Standby power <0.5W
- Ta 45°C

Features

- Constant power output design with wide operating window
- Support DALI-2 +push DIM
- DALI part 251,252,253(luminaire date, energy reporting,diagnostic and maintenance).
- The DC emergency mode adjusts the current to 15%by default (adjustable).
- CLO+corridorDIM
- SCP/OCV/OVP/OTP

Benefits

- Innovative design
- Flexible replacement
- Versatility and Compatibility
- Ease of Maintenance
- 50,000 hours life time
- 5 years warranty

Applications

- Commercial luminaires
- Office luminaries
- LED panel light
- LED down light
- LED linear light
- LED batten light

Details



High-quality junction box

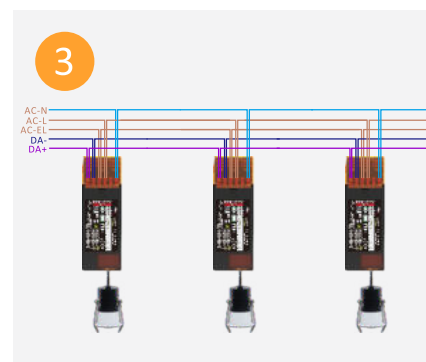
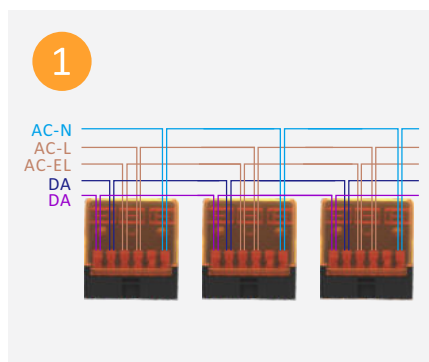


High-performance driver



Flight loop driver

Innovative design with independent LED driver and connector for flexible replacement



Model list

Model	Power	Input voltage	Output voltage	Output current	Dimension
PM-DT6c52-1300	52W	220-240V	25-40V	1.3A	L205.5*W70*H26mm
PM-DT6c45-1050	45W	220-240V	25-40V	1.05A	L205.5*W70*H26mm
PM-DT6c24-600	24W	220-240V	25-40V	0.6A	L189.5*W49*H26mm

Technical data

Product model	PM-D6c52-1300	PM-D6c45-1050	PM-D6c24-600
Input parameters			
Rated input voltage range	220-240V	220-240V	220-240V
Limit voltage range	200-264V	200-264V	200-264V
Input current(Max)	0.33A	0.27A	0.16A
Operating frequency	50-60Hz	50-60Hz	50-60Hz
Power factor/phase shift factor	>0.9/@230Vac full load	>0.9/@230Vac full load	>0.9/@230Vac full load
Input THD	<15%/@230Vac full load	<15%/@230Vac full load	<15%/@230Vac full load
Efficiency(max)	≥90%/@230Vac full load	≥90%/@230Vac full load	≥87%/@230Vac full load
In-rush current	30A/230Vac Max	30A/230Vac Max	30A/230Vac Max
Start/Switchover/Turn off	<350MS@230Vac full load	<350MS@230Vac full load	<350MS@230Vac full load
Switching cycles	More than 20,000 times	More than 20,000 times	More than 20,000 times
Power consumption	10%	10%	12%
Dimming range	0%-100% (1-10V 3in1 Dimmer port)	0%-100% (1-10V 3in1 Dimmer port)	0%-100% (1-10V 3in1 Dimmer port)
Output parameters			
Rated output current range	0.55-1.3A	0.3-1.05A	0.25-0.6A
Rated output voltage range	25-40V	25-40V	25-40V
Rated output power	52W	42W	24W
Current regulation system	Dimmer	Dimmer	Dimmer
Current low frequency ripple	<1%	<1%	<1%
Output current accuracy	±5%	±5%	±5%
No load output voltage	55V	55V	55V
Flicker-free(typical)	<0.03	<0.03	<0.03
Safety			
Withstand voltage	Input to output 3750v	Input to output 3750v	Input to output 3750v
Mains surge immunity	1KV	1KV	1KV
Leakage current	<5MA	<5MA	<5MA
Isolation resistance	100MΩ/500V	100MΩ/500V	100MΩ/500V
Environment & Life time			
Operating temperature	-20-45°C	-20-45°C	-20-45°C
Case temperature	80°C	80°C	80°C
Operating humidity	10-90%RH	10-90%RH	10-90%RH
Storage temp./humidity	-40-80°C 5-95%RH	-40-80°C 5-95%RH	-40-80°C 5-95%RH
IP grade	IP 20	IP 20	IP 20
Life-time	50000H	50000H	50000H
Environmental protection	RoHS	RoHS	RoHS

Electrical data controls input

Specification item	Value	Condition
Control method	Fixed	Select output current via the dipswitches

Switch output current

Model:PM-D6c52-1300

Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4
52W	1300mA	40Vdc	–	–	–	–
50W	1250mA	40Vdc	NO	–	–	–
48W	1200mA	40Vdc	–	NO	–	–
46W	1150mA	40Vdc	NO	NO	–	–
44W	1100mA	40Vdc	–	–	NO	–
42W	1050mA	40Vdc	NO	–	NO	–
40W	1000mA	40Vdc	–	NO	NO	–
38W	950mA	50Vdc	NO	NO	NO	–
36W	900mA	40Vdc	–	–	–	NO
34W	850mA	40Vdc	NO	–	–	NO
32W	800mA	40Vdc	–	NO	–	NO
30W	750mA	40Vdc	NO	NO	–	NO
28W	700mA	40Vdc	–	–	NO	NO
26W	650mA	40Vdc	NO	–	NO	NO
24W	600mA	40Vdc	–	NO	NO	NO
22W	550mA	40Vdc	NO	NO	NO	NO

Model:PM-D6c45-1050

Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4
42W	1050mA	40Vdc	–	–	–	–
40W	1000mA	40Vdc	NO	–	–	–
38W	950mA	40Vdc	–	NO	–	–
36W	900mA	40Vdc	NO	NO	–	–
34W	850mA	40Vdc	–	–	NO	–
32W	800mA	40Vdc	NO	–	NO	–
30W	750mA	40Vdc	–	NO	NO	–
28W	700mA	50Vdc	NO	NO	NO	–
26W	650mA	40Vdc	–	–	–	NO
24W	600mA	40Vdc	NO	–	–	NO
22W	550mA	40Vdc	–	NO	–	NO
20W	500mA	40Vdc	NO	NO	–	NO
18W	450mA	40Vdc	–	–	NO	NO
16W	400mA	40Vdc	NO	–	NO	NO
14W	350mA	40Vdc	–	NO	NO	NO
12W	300mA	40Vdc	NO	NO	NO	NO

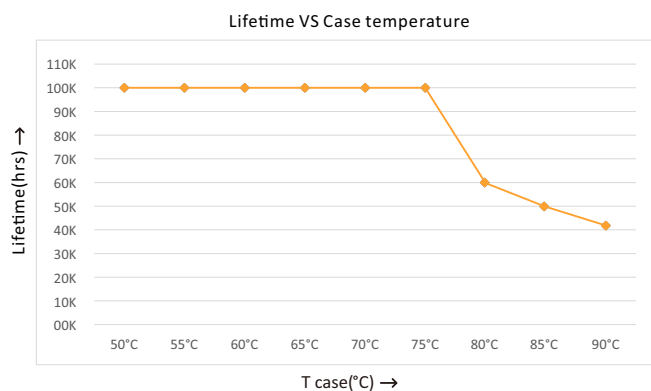
Model:PM-D6c24-600

Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4
24W	600mA	40Vdc	–	–	–	–
22W	550mA	40Vdc	NO	–	–	–
20W	500mA	40Vdc	–	NO	–	–
18W	450mA	40Vdc	–	–	NO	–
16W	400mA	40Vdc	NO	NO	–	–
14W	350mA	40Vdc	NO	–	NO	–
15W	300mA	50Vdc	–	NO	NO	–
12.5W	250mA	50Vdc	NO	NO	NO	–

Wiring & Connections

Specifications item	Value	Unit
Input wire cross-section	0.5...2.5	mm ²
	20...12	AWG
Input wire stirped length	9...10	mm
Output wire cross-section	0.3...1.5	mm ²
	22...16	AWG
Output wire stirped length	8...9	mm

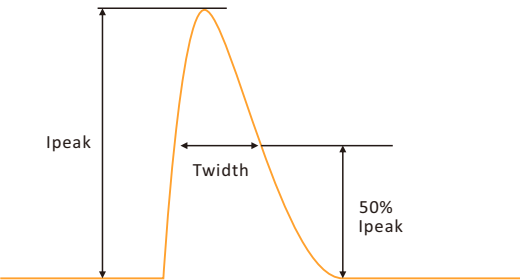
Expected lifetime



Surge

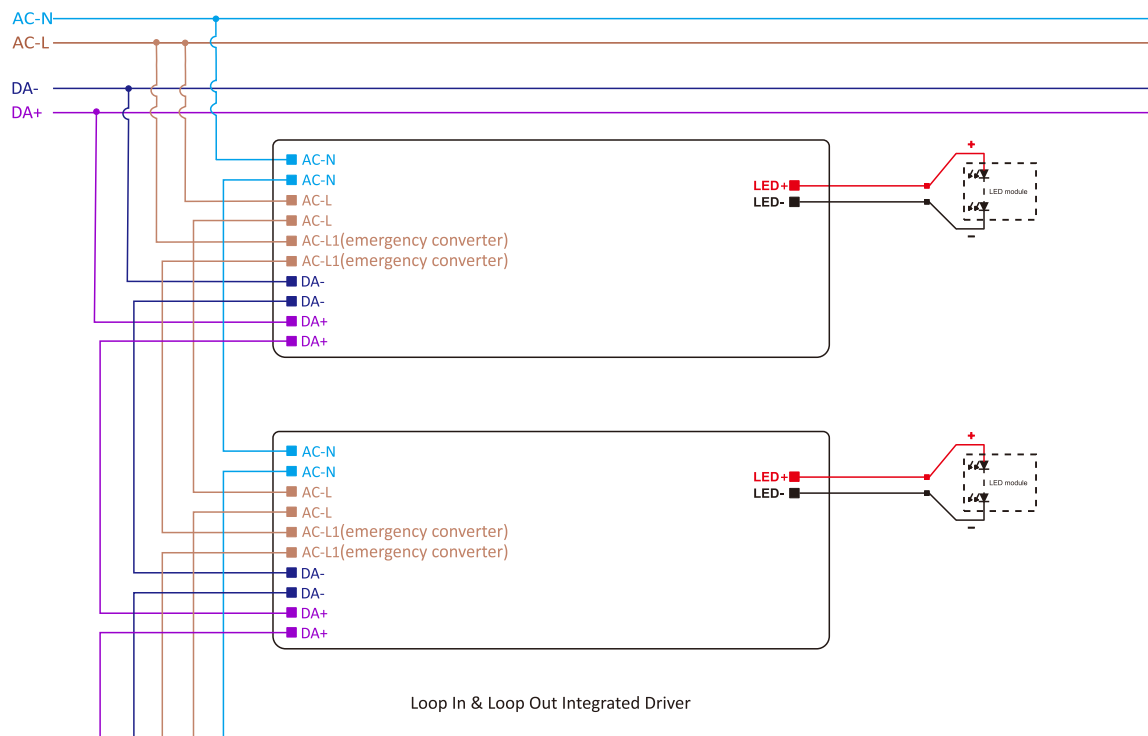
Model	I _{peak}	T _{width}	Relative number of MCB/pcs															
			B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	
PM-D6c52-1300	8.45A	270us	30	28	36	32	36	46	50	60	55	80	75	60	45	25	55	
PM-D6c45-1050	16A	220us	38	42	46	49	53	57	61	65	68	72	76	80	84	87	91	
PM-D6c24-600	15A	220us	64	71	77	84	90	97	103	109	116	122	129	135	142	148	155	

*Condition:Input 230V AC with full load, cold start Ta≤30°C, MCB without side by side installation.

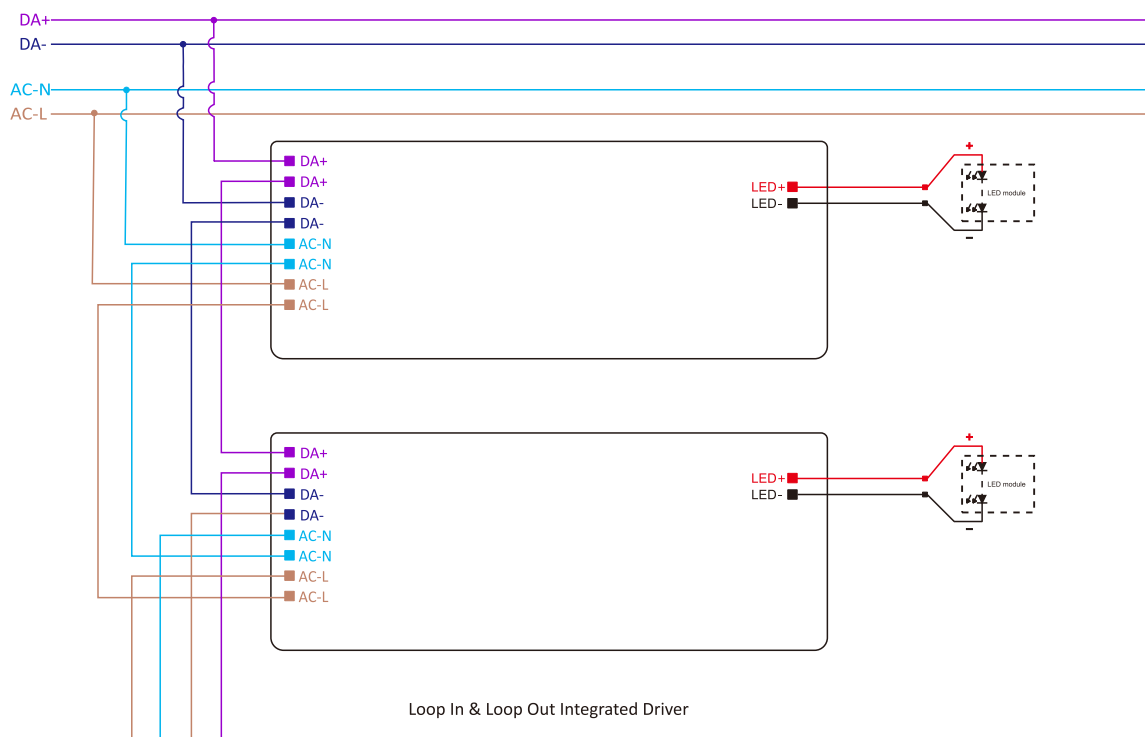


Wiring diagram

Model:PM-D6c52-1300/PM-D6c45-1050



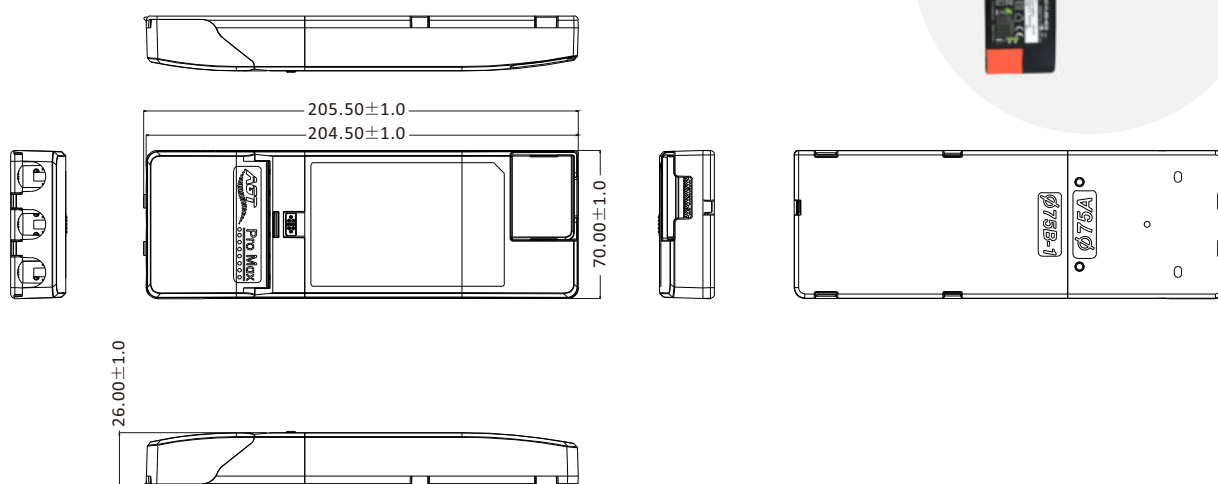
Model:PM-D6c24-600



Dimensions

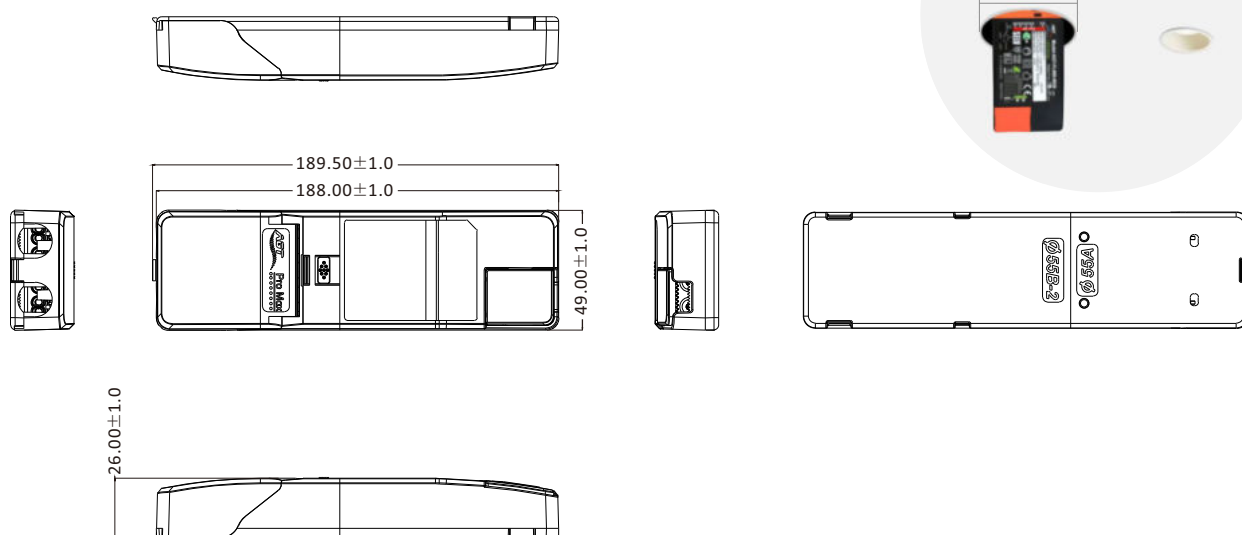
Model:PM-D6c52-1300/PM-D6c45-1050

Unit:mm



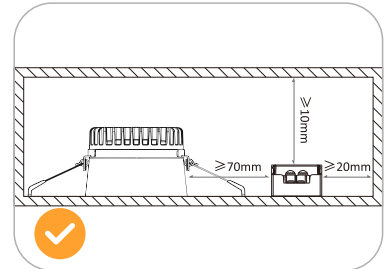
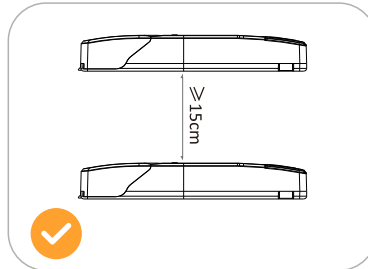
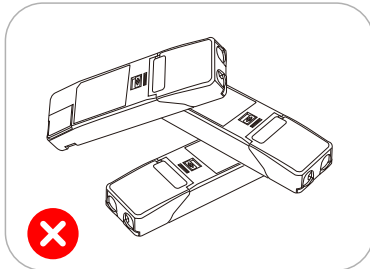
Model:PM-D6c24-600

Unit:mm



Installation requirements

1. The two power supplies cannot be stacked together.
2. When installing, there should be at least 15 cm between the two drivers.
3. Neither the driver nor the lamps should be covered by any objects.

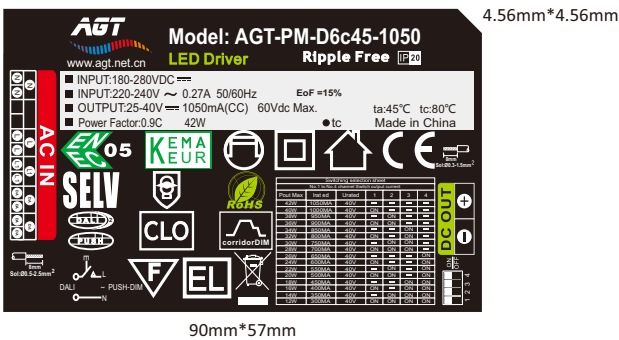
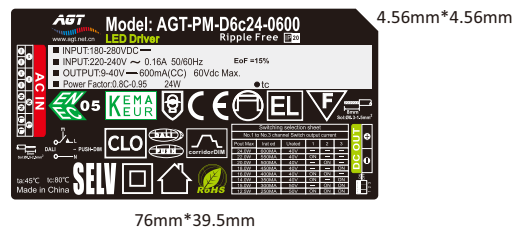
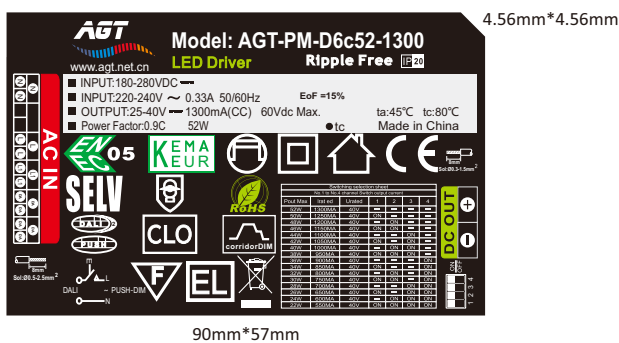


Installation

- LED driver should be installed in a dry, acid-free, fat-free, environment.
- The ambient temperatures should below Ta.
- The temperature of the contact surface of the driver is lower than 40°C.
- Driver should be kept away from heating stuff such as the radiator of the lamp.
- There should be a distance of more than 10 cm between the driver and surrounding objects.
- The installation and replacement of driver should be performed by professional electricians.

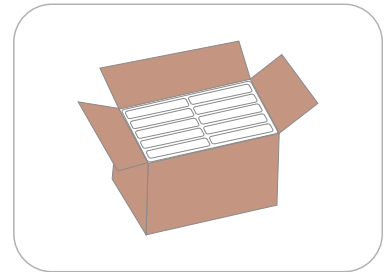
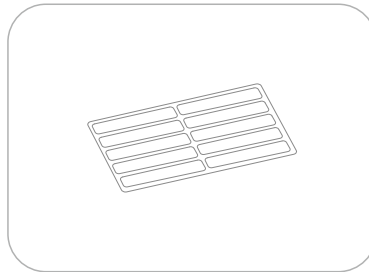
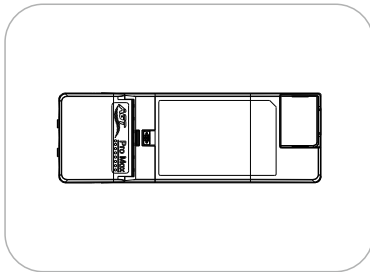
Label

Unit:mm



*Label could be customized with a MOQ of 1000Pcs

Packaging



Model	Single	Weight	Carton Size	O'ty/CTN	N.W/CTN	G.W/CTN
PM-D6c52-1300	L205.5*W70*H26mm	225.5g	L497*W497*H180mm	60Pcs	13.5Kg	15.5Kg
PM-D6c45-1050	L205.5*W70*H26mm	225.5g	L497*W497*H180mm	60Pcs	13.5Kg	15.5Kg
PM-D6c24-600	L189.5*W49*H26mm	151g	L465*W350*H235mm	80Pcs	12.08Kg	12.7Kg



POWERING BRILLIANCE

ALWAYS AGT LED DRIVER

SHENZHEN ANGUI TECHNOLOGY CO.,LTD
ADD: B2, Bao Laite Industry Park, Baolong, Longgang, Shenzhen518000, China.

MOB: 86 138 2520 2080
TEL: 86 755 2847 6511

FAX: 86 755 2847 6505
EMAIL: info@agtdriver.com

WEB: www.agtdriver.com

and shall not be liable for any action in reliance thereon.

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by AGT.

All rights reserved.