■ MOONS' Headquarter ★

Shanghai

168 Mingjia Road, Minhang District, Shanghai 201107,P.R. China Tel: +86 (0)21 52634688 Fax: +86 (0)21 52634098

MOONS' Taicang

No.18 Yingang Rd, Fuqiao town, Taicang City Jiangsu Province, 215434, P.R. China Tel: +86 (0)512 80601118 Fax: +86 (0)512 80606808

■ Domestic Sales Offices

Shenzhen

Room 3901,39/F Building A, Zhongguan Times Square, No.4168 Liuxian Avenue, Nanshan District, Shenzhen 518000 PR.China Tel: +86 (0)755 25472080 Fax: +86 (0)755 25472081

Beijing

Room 1206, Jing Liang Mansion, No.16 Middle Road of East, 3rd Ring, Chaoyang District, Beijing 100020, P.R. China Tel: +86 (0)10 87661889 Fax: +86 (0)10 87661880

Nanjing

Room 1101-1102, Building 2, New Town,
Development Center, No.126 Tianyuan Road,
Moling Street, Jiangning District,
Nanjing 211106, P.R. China
Tel: +86 (0)25 52785841
Fax: +86 (0)25 52785485

Qingdao

Room1913,Scientific and Technological Innovation Builing, Floor19, No.171, ShanDong Road, Shibei District, Qingdao 266033, P.R. China Tel: +86 (0)532 80969935 Fax: +86 (0)532 80919938

Wuhan

Room 3001, World Trade Tower, 686 Jiefang Avenue,Jianghan District, Wuhan 430022, P.R. China Tel: +86 (0)27 85448742 Fax: +86 (0)27 85448355

Chengdu

Room 3907, Maoye Plaza, No.19, Dongyu Street, Jinjiang District, Chengdu 610066, P.R. China Tel: +86 (0)28 85268102 Fax: +86 (0)28 85268103

Xi′ar

Room 1006, Tower D, Wangzuo International City,1 Tangyan Road, Yanta District, Xi'an 710065, P.R. China Tel: +86 (0)29 81870400 Fax: +86 (0)29 81870340

Ningbo

Room 309, Tower B, Taifu Plaza, 565 Jiangjia Road, Jiangdong District, Ningbo, 315040, P.R. China Tel: +86 (0)574 87052739 Fax: +86 (0)574 87052365

Guanazhou

Room 4006, Tower B, China Shine Plaza, 9 Linhe Xi Road,Tianhe District, Guangzhou 510610, P.R. China Tel: +86 (0)20 38010153 Fax: +86 (0)20 38103661

Chongaina

Rm. 2108, South Yuanzhu Building 20 No.18 Fuquan RD., Jiangbei District, Chongqing 400000, P.R. China Tel: +86 (0)23 67601782 Fax: +86 (0)23 67085997

Suzhou

Room 1103-1105, North Building, Building 4, Huilin Square, 758 South Ring East Road, Gusu District Suzhou 215000 P.R. China. Tel: 400-820-9661

Dongguan

Room 1206-1207,Building 5, Lin Runzhi Valley, No. 1, R&D Fifth Road, Songshan Lake, Dongguan 523808 P.R. China Tel: +86 17665330033 Fax: +86 75525472081

Hefei

Room 1521, Tower B, CBC Tuoji Plaza, Intersection of Jinggang Road and Ganquan Road, Shushan District, Hefei 230031 P.R. China

MOONS'International

Trading (Shanghai) Co., Ltd. 4/F, Building 30, No. 69 Guiqing Road, Caohejin Hi-Tech Park, Xuhui District, Shanghai 200233,PR.China Tel: +86 (0)21 64952755 Fax: +86(0)21 64859949

Changzhou Yunkong Electronic Co., Ltd. BLDC.2, Henglin Technology Innovation Center, No. 88 East Changhong Road WujinDistrict,

Changzhou 213100, PR.China Tel: +86 (0)519 88700355 Fax: +86(0)519 88700229

■ Lin Engineering At Nanjing

No. 9 Science and Technology Innovation Avenue, Jiangbei New Area, Nanjing Intelligent F1- F3, Building C14. Manufacturing Industrial Park, Nanjing 210032, PR.China Tel: +86 (0)25 58844665

■ India Company

MOONS' INTELLIGENT MOTION SYSTEM INDIA PVT. LTD.

Poom 908 9th Floor, Amer Russiness Park

Room 908, 9th Floor, Amar Bussiness Park, Tal. Haveli, Baner, Pune, India, 411045 Tel: +91 8698390002

■ North America Company

MOONS' INDUSTRIES (AMERICA), INC. Head Office

1113 North Prospect Avenue, Itasca, IL 60143 USA Tel: +1 630 8335940

Fax: +1 630 8335946

Boston Office

36 Cordage Park Circle, Suite 310 Plymouth, MA 02360 USA

APPLIED MOTION PRODUCTS.INC.

18645 Madrone Parkway. Morgan Hil, CA 95037 USA Tel: +1 831 7616555

+1 800 5251609

16245 Vineyard Blvd, Morgan Hill, CA 95037 Tel: +1 408 9190200

Fax: +1 408 9190201 Europe Company

MOONS' INDUSTRIES (EUROPE) S.R.L.

Via Torri Bianche n.1 20871 Vimercate(MB) Italy Tel: +39 039 6260521 Fax: +39 039 9631409

AMP & MOONS'AUTOMATION

(GERMANY)GMBH Brsenstraße 15 60313 Frankfurt am Main Germany

TECHNOSOFT S.A.

Fax: +41(0)32 7325504

Technosoft (Suisse) SA
Avenue des Alpes 20, 2000 Neuchatel,
Switzerland.
Tel: +41 (0)32 7325500

TECHNOSOFT International

Strada Paduretu nr.50, Sector 6 061992 Bucuresti ROMANIA Tel: +40 (0)21 4259095 Fax: +40 (0)21 4259097

■ South-East Asia

MOONS'INDUSTRIES
(SOUTH-EASTASIA) PTE. LTD.
33 Ubi Avenue 3 #08-23
Vertex Singapore 408868
Tel: +65 66341198
Fax:+65 66341138

Japan

MOONS'INDUSTRIES JAPAN CO. LTD.

Room 602, 6F, Shin Yokohama Koushin Building,2-12-1, Shin-Yokohama, Kohoku-ku, Yokohama,Kanagawa, 222-0033Japan Tel: +81 (0)45 4755788 Fax: +81 (0)45 4755787

■ Vietnam Company

MOONS'INDUSTRIES (VIETNAM) CO. LTD No.06, 23 Rd., VSIP Hai Phong

No.0o, 25 Kd., VSIP Hall Phong
Township, Industrial & Service Park,
Thuy Nguyen Dist., Hai Phong City, Vietnam
Tel: +84(0)901531939







Driver Catalog

CONTENTS

1 About MOONS'

Since 1994

P01 Globally Renowned

LED Driver & Intelligent Lighting Control Supplier

3 Explosion-proof LED Driver

The Safety Lighting Star in Hazardous Environments

P65 0-10V Series

P69 Emergency Series

P67 DALI Series

1 Intelligent LED Driver

0.1% deep dimming • Bringing Natural Light Within Reach

DALI Series

P07 1 Channel LED Driver

P17 2 Channels LED Driver

P31 4 Channels LED Driver

DMX(RDM) Series

P37 2 Channels LED Driver

P43 4 Channels LED Driver

0-10V Series



P51 1 Channel LED Driver (+Phase-cut)

P53 2 Channels LED Driver

Bluetooth Series

P59 2 Channels LED Driver

P61 4 Channels LED Driver

Emergency LED Driver

Reliable Power • When It Matters Most

Emergency Series

P71 25/30W LED Driver

Sports Lighting LED Driver

Fast and Steady • Star of Professional Sports Lighting

DALI & DMX(RDM) Series

P75 1200W 2 Channels LED DriverP77 1800W 3 Channels LED Driver

About MOONS'

We are a globally renowned supplier of

LED Drivers and Intelligent Lighting Control Solutions.

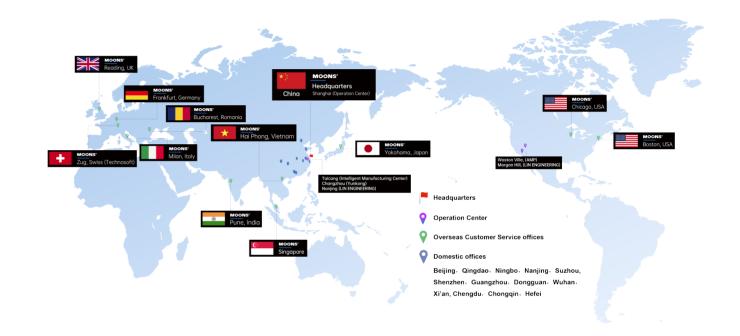
1994 Shanghai · China 4000+
Founded in Headquarters in Employees

As one of China's leading comprehensive manufacturers of LED drivers and intelligent lighting control products, MOONS' has professional R&D, manufacturing, sales, and technical support teams around the world.

MOONS' offers a full range of intelligent lighting products, focusing on various lighting applications, including human-centric, commercial, office, hotel, restaurant, and architectural lighting. We are dedicated to providing customers with high-quality dimmable lighting solutions.

MOONS' has a comprehensive global service network

As a global company, MOONS' has subsidiaries in the United States, the United Kingdom, Italy, Germany, Switzerland, the Czech Republic, Singapore, Japan, India, and Vietnam, covering major countries and regions in North America, Europe, and Asia. Domestically, we have offices in major cities across China, including Beijing, Guangzhou, Shenzhen, and Suzhou, equipped with professional sales and technical support teams to provide customers with fast and high-quality services.





Overview

Intelligent LED Drivers

0.1% deep dimming • Bringing Natural Light Within Reach

Pioneering advancements in dimming, flicker reduction, and superior lighting, MOONS' LED drivers play a crucial role in the evolution of the lighting industry. Our objectives are to simplify processes, guarantee reliability, and enable sophisticated, well-lit environments. By driving innovation, we aim to shape the future of human-centric lighting and spectrum management.

This selection guide provides a concise overview of our product offerings, including detailed descriptions of each driver family and a matrix to help you identify the perfect MOONS' LED driver for your specific application.

0.1%

Dimming Depth ...!

Flicker Free

Dimming Resolution

CEC title 24 JA10 /

IEEE PAR 1789-2015



High Consistency &

Synchronization

Response

Dimming Control



0-10V DHASE-CIT



CASAMBI











More Information

https://www.moonsindustries.com/c/led-drivers-a11



Intelligent LED Drivers

Family Intro.

DALI Series

1 / 2 / 4 Channels

- Deep dimming-dim to 0.1%
- Constant current or constant voltage
- Dimming, Tunable White, Color Tuning, D4i applications
- Logarithm or linear optional dimming curve
- NFC technology programming function
- DALI interface for firmware upgrade and programming
- Power levels from 12W to 240W



0-10V Series

1/2 Channels

- Deep dimming-dim to 0.1%
- Constant current
- Dimming, Tunable White applications
- Logarithm or linear optional dimming curve
- NFC technology programming function
- MCS interface for firmware upgrade and programming
- Power levels from 20W to 75W
- Power levels for 20W 0-10V+ Phase-cut dimming driver



DMX(RDM) Series

2 / 4 Channels

- Deep dimming-dim to 0.1%
- Constant current
- Dimming, Tunable White, Color Tuning applications
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- NFC technology programming function
- DMX interface for firmware upgrade and programming
- Power levels from 20W to 85W



Bluetooth Series

2 / 4 Channels

- Deep dimming-dim to 0.1%
- Constant current
- Dimming, Tunable White, Color Tuning applications
- Integrated with Casambi module
- NFC technology programming function
- Power levels for 50W



05

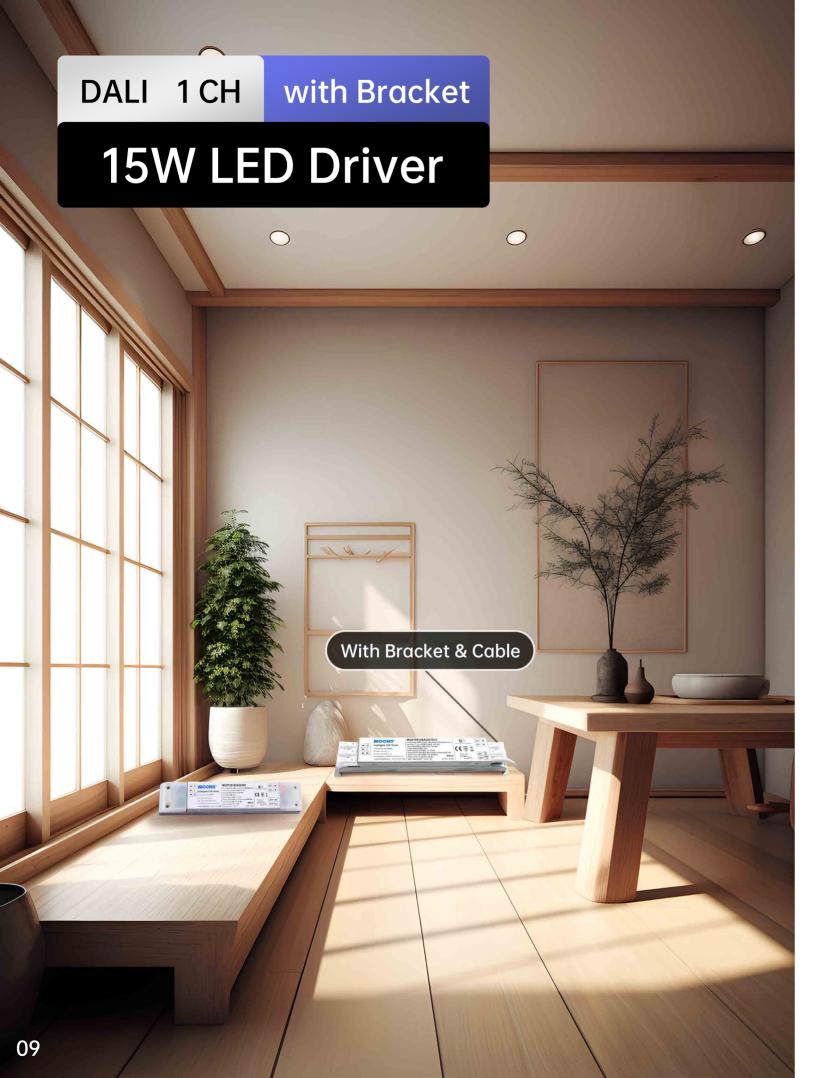


- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- Configurable for CC or CV load
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
PU012S070AQI350	12	90~305	150-700	8-50	150*30*21
PU012S070AQI300	12	90~305	150-700	8-50	162*30*21
PU012S105AQI350	12	90~305	200 - 1050	2.5-15	150*30*21
PU012S105AQI300	12	90~305	200 - 1050	2.5-15	162*30*21
PU020S105AQI350	20	90~305	150-1050	8-54	150*43*26
PU030S150AQI350	30	90~305	100-1500	8-54	210*40*33.5

Model	DALI-2	СВ	CE	ENEC	PSE	ccc
PU012S070AQI350	•	•	•	•	•	•
PU012S070AQI300	•	•	•	•	•	•
PU012S105AQI350	•	•	•	•	•	•
PU012S105AQI300	•	•	•	•	•	•
PU020S105AQI350	•	•	•	•		•
PU030S150AQI350	•	•	•	•	•	•



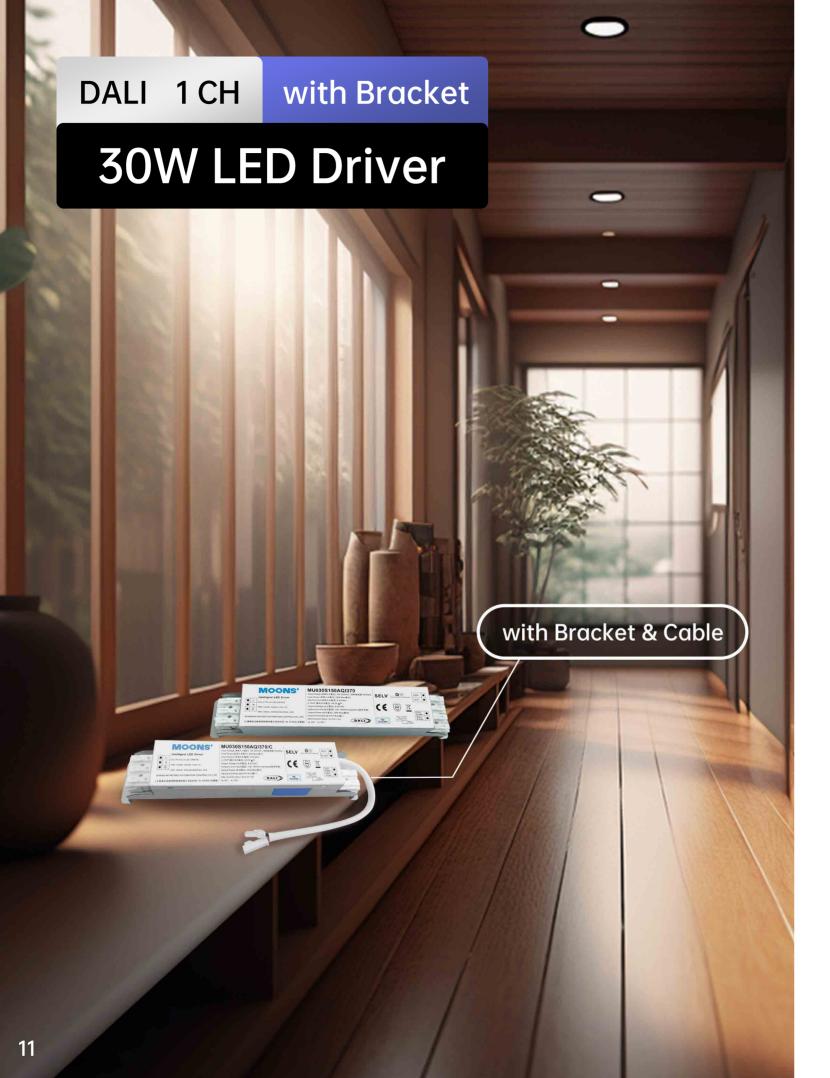
- Dimmable constant current LED driver
- Dimming range of 0, 0.01% to 100% with DALI / PWM
- IEC62386 Part 101,102,207 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- DALI interface for firmware upgrade and programming
- Configurable for CC or CV load
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU015S070AQI340	15	90~266	200-700	12-50	200*32*21.5
MU015S105AQI340	15	90~266	200 -1050	2.5-15	200*32*21.5
MU015S070AQI370	15	90~266	200-700	12-50	233*32*31.5
MU015S105AQI370	15	90~266	200 -1050	2.5-15	233*32*31.5
MU015S070AQI370/C	15	90~266	200-700	12-50	233*32*31.5
MU015S105AQI370/C	15	90~266	200 -1050	2.5-15	233*32*31.5

Certification & Form Factor

Model	DALI-2	CE	PSE	NFC	Form Factor
MU015S070AQI340		•	•		
MU015S105AQI340		•	•		
MU015S070AQI370	•		•	•	with Bracket
MU015S105AQI370	•		•	•	with Bracket
MU015S070AQI370/C	•		•	•	with Bracket & Cable
MU015S105AQI370/C	•		•	•	with Bracket & Cable



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI / PWM
- IEC62386 Part 101,102,207 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- Configurable for CC or CV load
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU030S150AQI370	30	90~266	100-1500	8-54	250*43*39
MU030S150AQI370/C	30	90~266	100-1500	8-54	250*43*39

Certification & Form Factor

Model	DALI-2	PSE	Form Factor
MU030S150AQI370	•	•	with Bracket
MU030S150AQI370/C	•	•	with Bracket & Cable

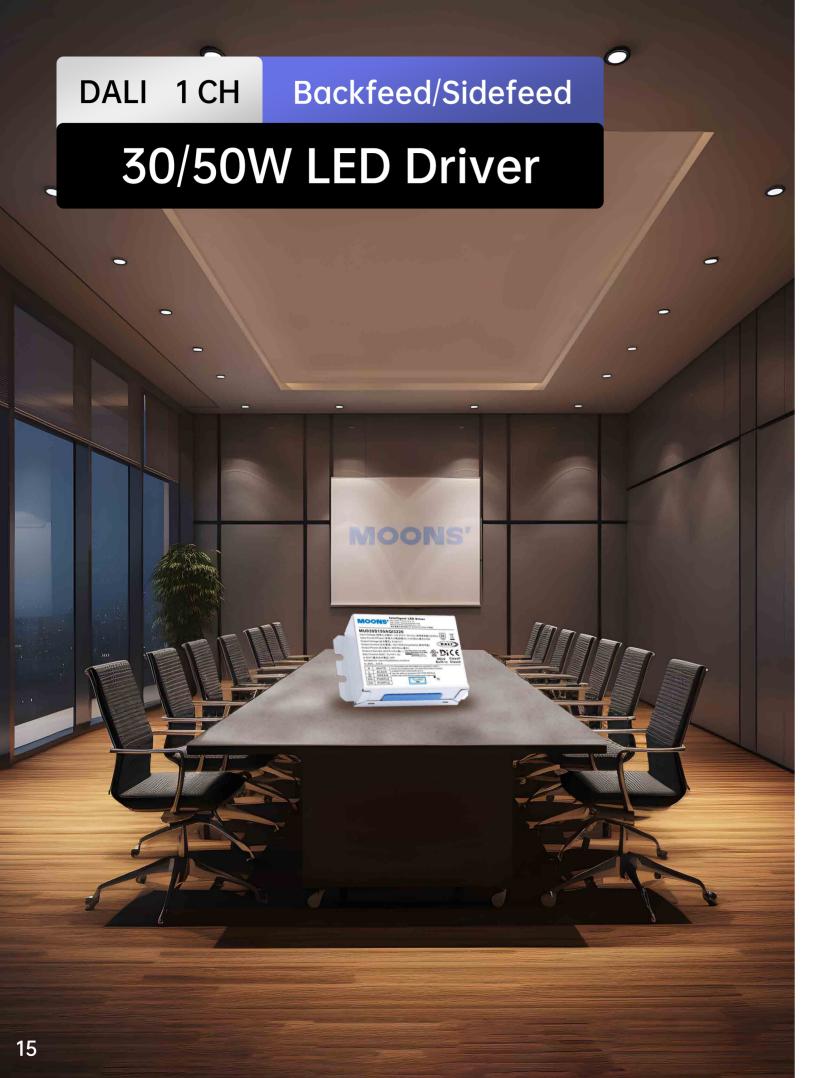


- Dimmable constant current LED Driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,250,251,252,253 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU030S150AQI3020	30	90~305	100-1500	8-54	359*30*21.5
MU050S150AQI3020	50	90~305	100-1500	8-54	359*30*21.5

Model	DALI-2	D4i
MU030S150AQI3020	•	•
MU050S150AQI3020		



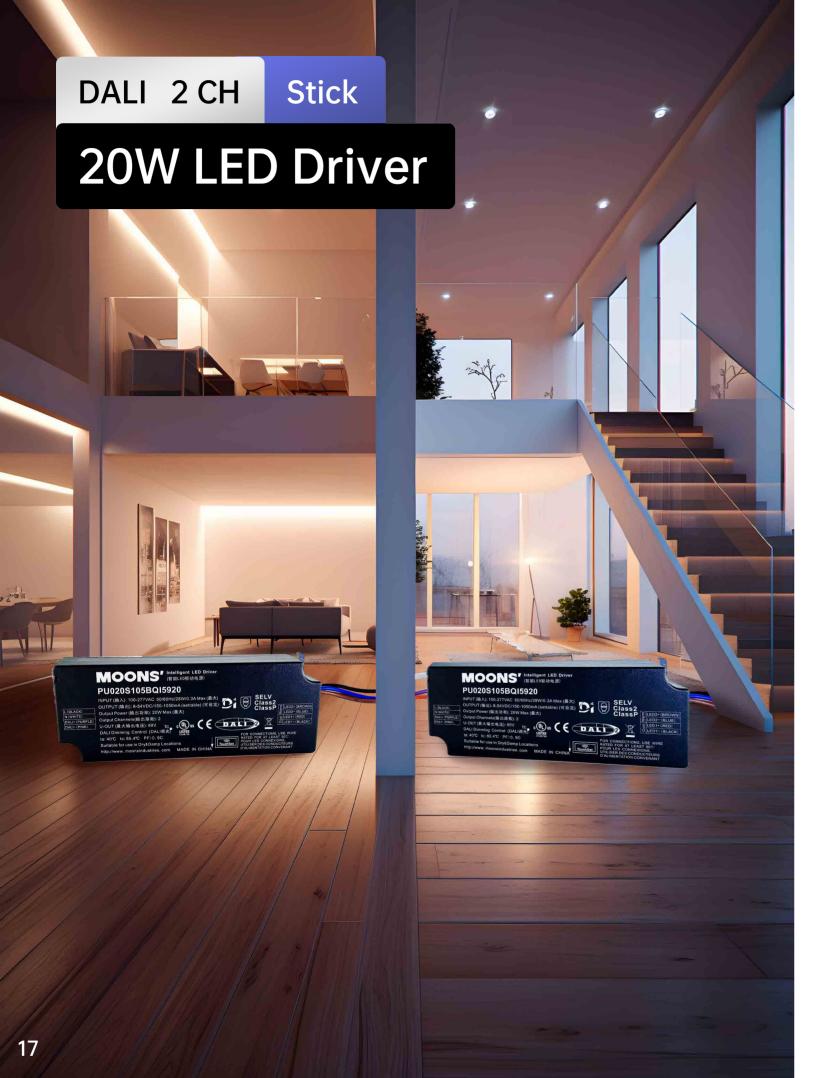
- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,250,251,252,253 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU030S150AQI3220	30	90~305	100-1500	8-54	102*64*33.5
MU030S150AQI3320	30	90~305	100-1500	8-54	102*64*25.5
MU050S150AQI3220	50	90~305	100-1500	8-54	124*76*34
MU050S150AQI3320	50	90~305	100-1500	8-54	124*76*25

Certification & Form Factor

Model	DALI-2	D4i	UL / cUL	CE	Form Factor
MU030S150AQI3220	•	•	Class P	•	Backfeed
MU030S150AQI3320	•	•	Class P	•	Sidefeed
MU050S150AQI3220				•	Backfeed
MU050S150AQI3320				•	Sidefeed



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,209(Tc),250,251,252,253 2.0 version
- Support tunable white applications using DT8/DT6 CCT address mode, and dimming using DT6 1/2 address mode
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
PU020S105BQI5	920 20	90~305	150-1050	8-54	109*41*27

Model	DALI-2	D4i	UL / cUL
PU020S105BQI5920	•	•	Class P



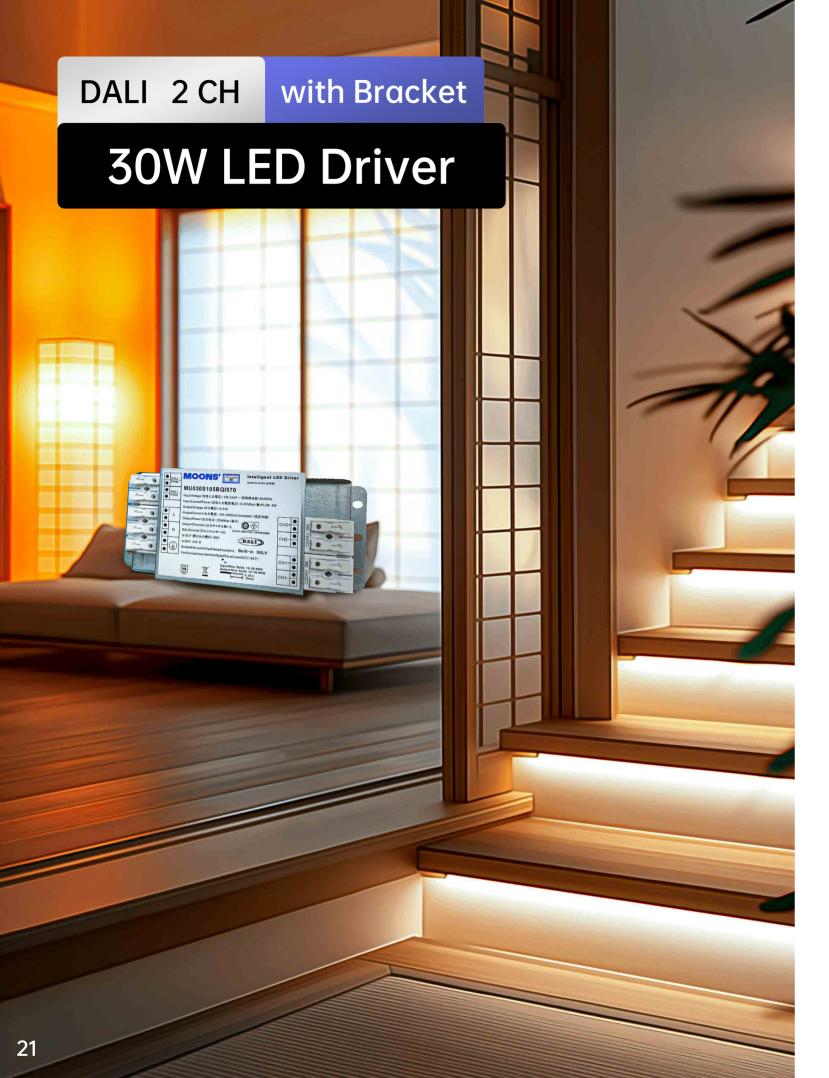
- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,209(Tc),250,251,252,253 2.0 version
- Supports tunable white applications using DT8/DT6 CCT address mode, and dimming using DT6 1/2 address mode
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU030S105BQI5220	30	90~305	100-1050	8-54	102*64*37.5
MU030S105BQI5320	30	90~305	100-1050	8-54	102*64*29.5

Certification & Form Factor

Model	DALI-2	D4i	UL / cUL	Form Factor
MU030S105BQI5220	•	•	Class P	Backfeed
MU030S105BQI5320			Class P	Sidefeed



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI / PWM
- IEC62386 Part 101,102,207,209(Tc) 2.0 version
- Supports tunable white applications using DT8/DT6 CCT address mode, and dimming using DT6 1/2 address mode
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- Configurable for CC or CV load
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU030S105BQI570	30	90~305	100-1050	8-54	163*64.5*39.3
MU030S105BQI590	30	90~305	100-1050	8-54	163*64.5*39.3

Certification & Form Factor

Model	DALI-2	PSE	Form Factor
MU030S105BQI570	•	•	with Bracket
MU030S105BQI590	•	•	with Bracket & Cable



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,209(Tc) 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 15V/60mA DALI power, 12V/100mA auxiliary output(optional)
- IP20 Design
- Warranty 5 years

Product List

Model	Function	AUX	DALI power	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S150BQI511		•		90~305	200 -1500	8-55	130*76*30
MU050S150BQI551		•		90~305	200 - 1500	8-55	152*76*30
MU050S150BQI550				90~305	200 -1500	8-55	152*76*30
MU050S150BQI513		•	•	90~305	200 - 1500	8-55	130*76*30
MU050S150BQI553	Tunable White	•	•	90~305	200 -1500	8-55	152*76*30
MU050S150BQI500	(DT6/DT8)			90~305	200 -1500	8-55	408*30*21
MU050S150BQI501	DT6 1/2 address	•		90~305	200-1500	8-55	408*30*21
MU050S150BQI503		•	•	90~305	200-1500	8-55	408*30*21
MU050S150BQI527			•	90~305	200 -1500	8-55	150*76*36
MU050S150BQI537			•	90~305	200 - 1500	8-55	150*76*29
MU050S150BQI570				90~305	200 -1500	8-55	188*77*40.5

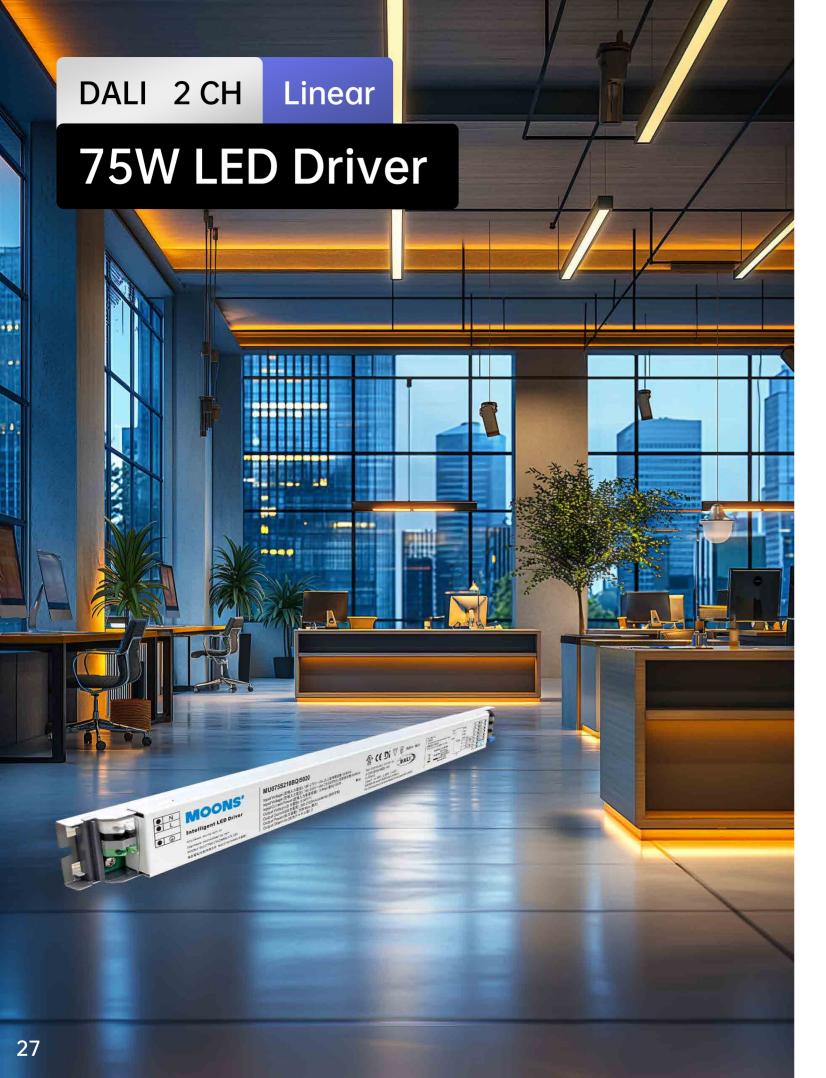


Product Presentation



Certification & Form Factor

Model	DALI-2	UL / cUL	СВ	CE	ENEC	PSE	Form Factor
MU050S150BQI511	•	Class P	•	•	•	•	Compact
MU050S150BQI551	•	Class P	•	•	•	•	Independent
MU050S150BQI550	•	Class P	•	•	•	•	Independent
MU050S150BQI513	•	Class P	•	•	•	•	compact
MU050S150BQI553	•	Class P	•	•	•	•	Independent
MU050S150BQI500	•	Class P	•	•	•		Linear
MU050S150BQI501	•	Class P	•	•	•	•	Linear
MU050S150BQI503	•	Class P	•	•	•	•	Linear
MU050S150BQI527		Class P					Backfeed
MU050S150BQI537		Class P					Sidefeed
MU050S150BQI570	•	Class P				•	with Bracket

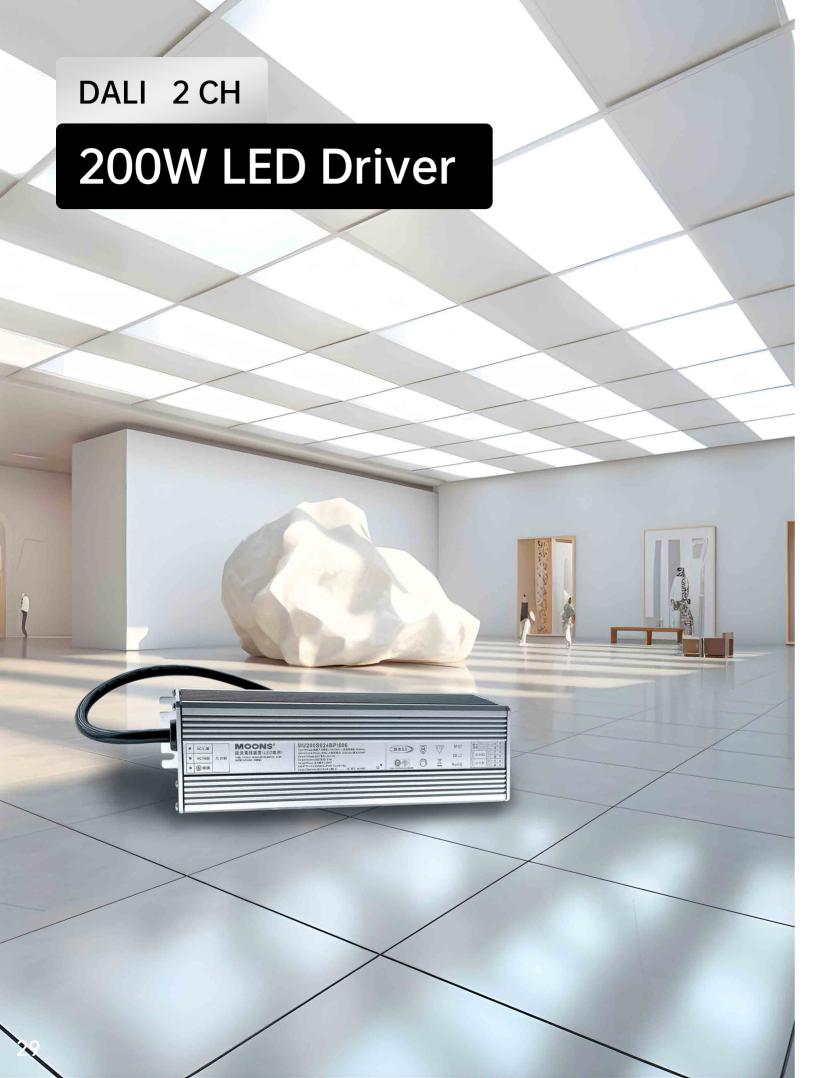


- Dimmable constant current LED Driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,209(Tc),250,251,252,253 2.0 version
- Supports tunable white applications using DT8/DT6 CCT address mode, and dimming using DT6 1/2 address mode
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
MU075S210BQI5020	75	90~305	200 - 2100	8-54	408*30*21

Model	DALI-2	D4i	UL / cUL	CE
MU075S210BQI5020	•	•	Class P	•



- Dimmable constant voltage LED Driver
- Dimming range of 0, 0.1% to 100% with DALI / PWM
- IEC62386 Part 101,102,207,209(Tc) 2.0 version
- Supports tunable white applications using DT8/DT6 CCT address mode, and dimming using DT6 1/2 address mode
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- DALI interface communicating technology to program the driver
- IP67 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VDC)	(mA)	(VDC)	(mm)
MU200S024BPI500	200	90~266	0-8300	23-25 Adjustable	251*67.5*51

Model	DALI-2	PSE
MU200S024BPI500	•	•

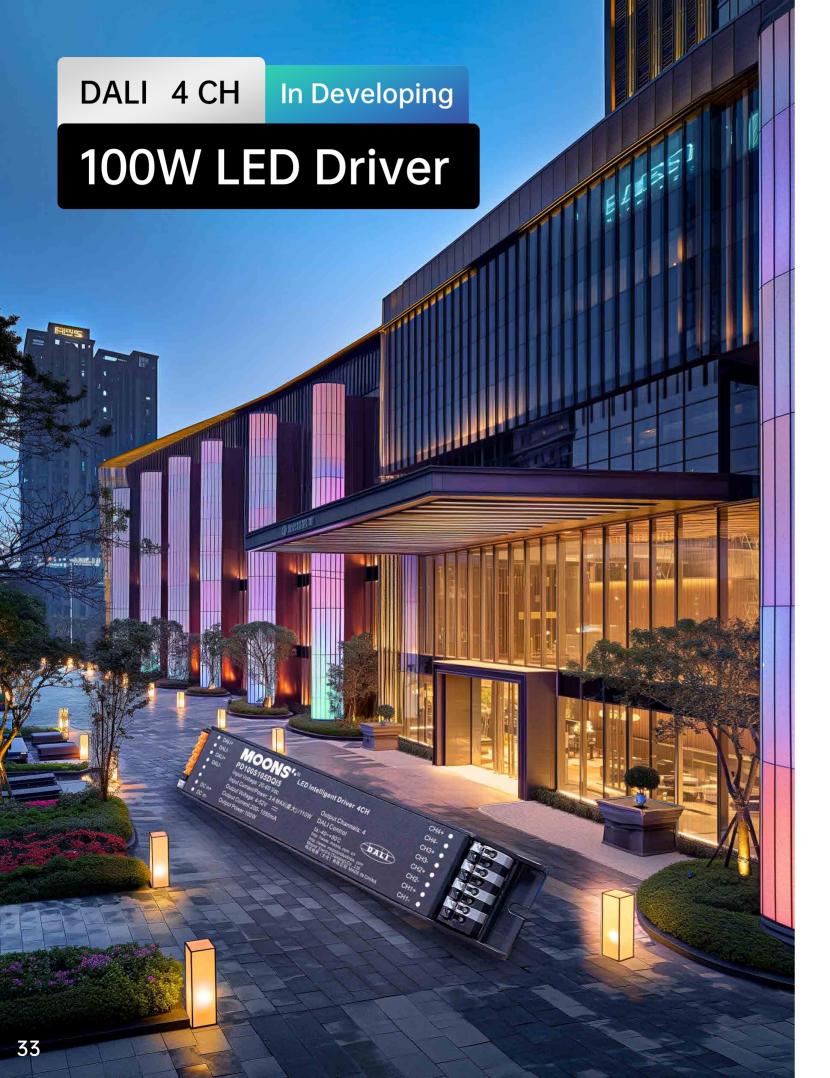


- Dimmable constant current LED Driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101,102,207,209(xy+Tc+RGBW) 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 15V/60mA DALI power
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S105DQI512	50	90~305	200 -1050	8-50	130*76*30
MU050S105DQI502	50	90~305	200 -1050	8-50	438.8*30*21.7

Model	DALI-2	UL / cUL	СВ	CE	ENEC
MU050S105DQI512	•	Class P	•	•	•
MU050S105DQI502	•	Class P	•	•	•



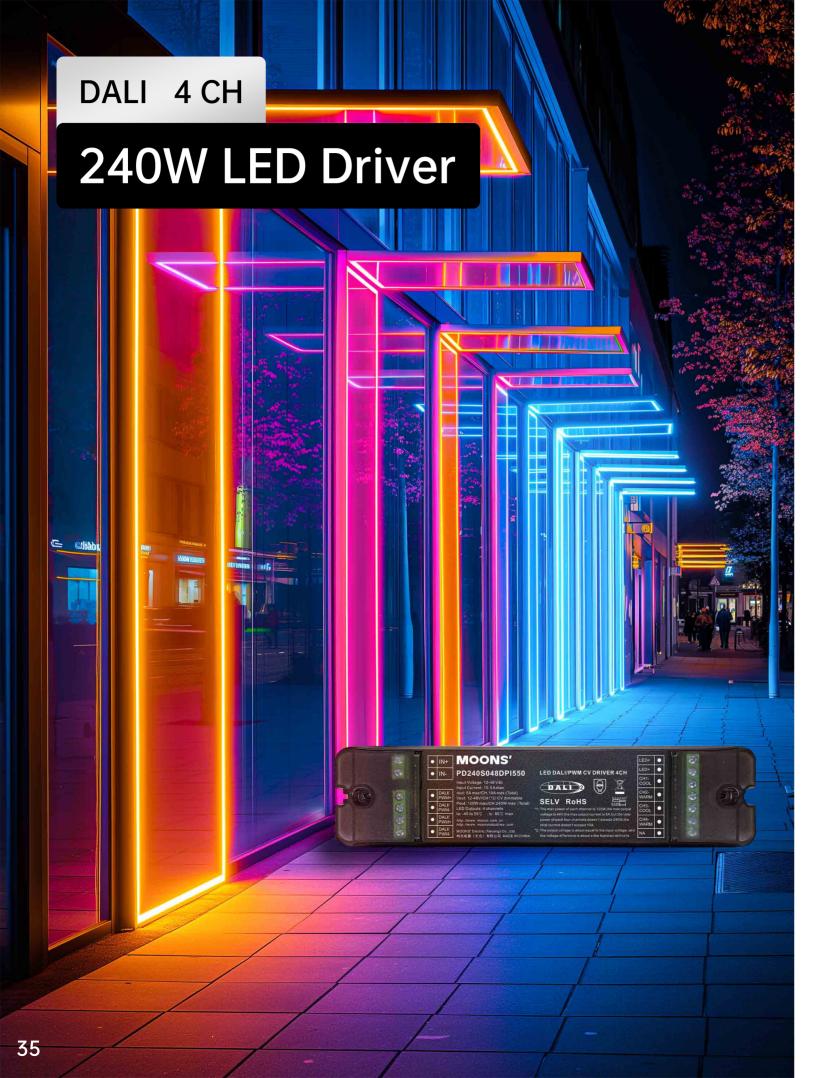
- Dimmable constant current LED Driver
- Dimming range of 0, 0.1% to 100% with DALI
- IEC62386 Part 101.102,207 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VDC)	(mA)	(VDC)	(mm)
PD100S105DQI5	100	36-60	200-1050	4-52	183*35*20

Precautions:

- Multiple LED outputs cannot be connected in series to power an LED load with a forward voltage > 52V.
- Multiple LED outputs cannot be connected in parallel to deliver a drive current that exceeds the maximum drive current that can be delivered by a single LED output.
- Common-anode or common-cathode configurations are not acceptable.
- Cross connecting multiple LED outputs of a LED driver may result in permanent damage to the LED driver itself and/or the LED light engine(s).



- Dimmable constant voltage LED driver
- Dimming range of 0, 0.1% to 100% with DALI / PWM
- IEC62386 Part 101,102,207 2.0 version
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- DALI interface for firmware upgrade and programming
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VDC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
PD240S048DPI550	240	12-48	0-5000/Channel	12-48	180.7*42.7*20

Output Voltage	12V	24V	48V	Channel
	60W	120W	120W	Channel 1
	60W	120W	120W	Channel 2
Output Power Range (Max)	60W	120W	120W	Channel 3
	60W	120W	120W	Channel 4
	120W	240W	240W	Total 4channels

Output Voltage	12V	24V	48V	Channel
	5A	5A	2.5A	Channel 1
Output Current Range (Max)	5A	5A	2.5A	Channel 2
	5A	5A	2.5A	Channel 3
	5A	5A	2.5A	Channel 4
	10A	10A	5A	Total 4channels

Precautions:

- Output loads as far as possible only LED, resistor or diode and part of the TVS protection circuit.
- Output loads do not include capacitive loads.
- LED load circuit such as active constant current circuit, please cooperate with the sample to verify.
- The response speed of some constant current circuits may affect the dimming performance.

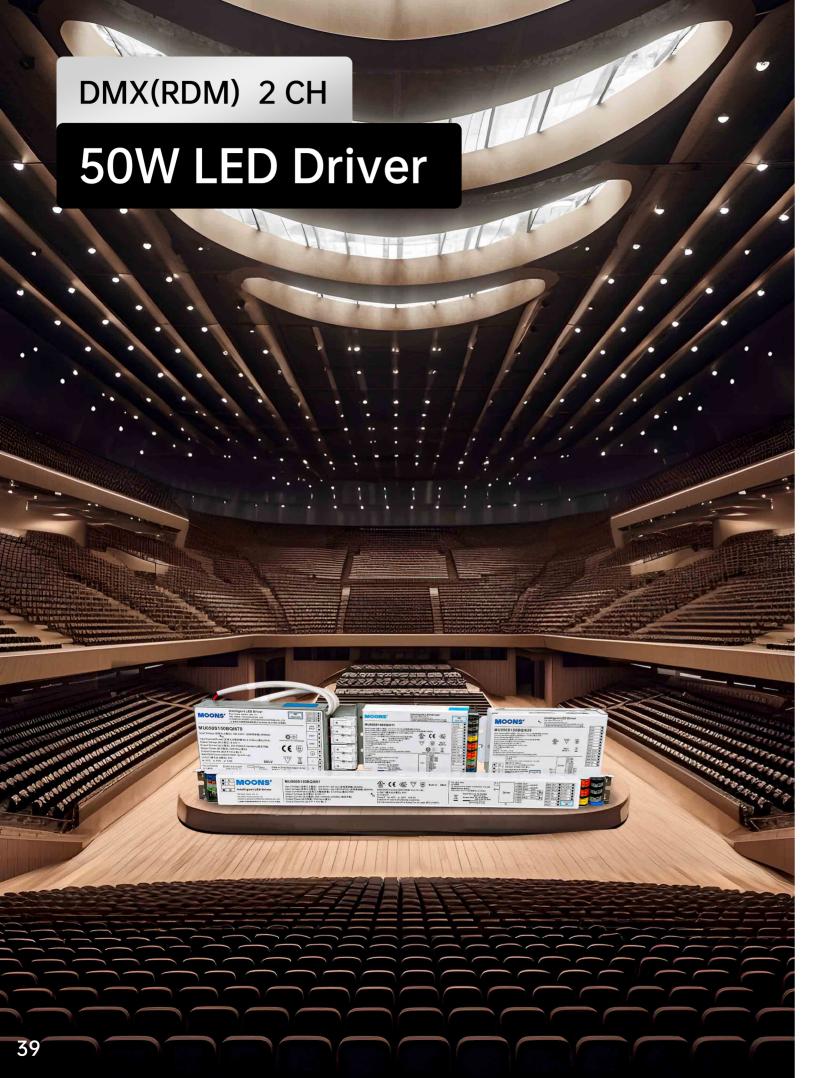


- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Support tunable white, dual-channel single address, dual-channel dual addresses
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
PU020S105BQI890	20	90~305	150-1050	8-54	109*41*27

Model	UL / cUL
PU020S105BQI890	Class P



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 12V/100mA auxiliary output (optional)
- IP20 Design
- Warranty 5 years

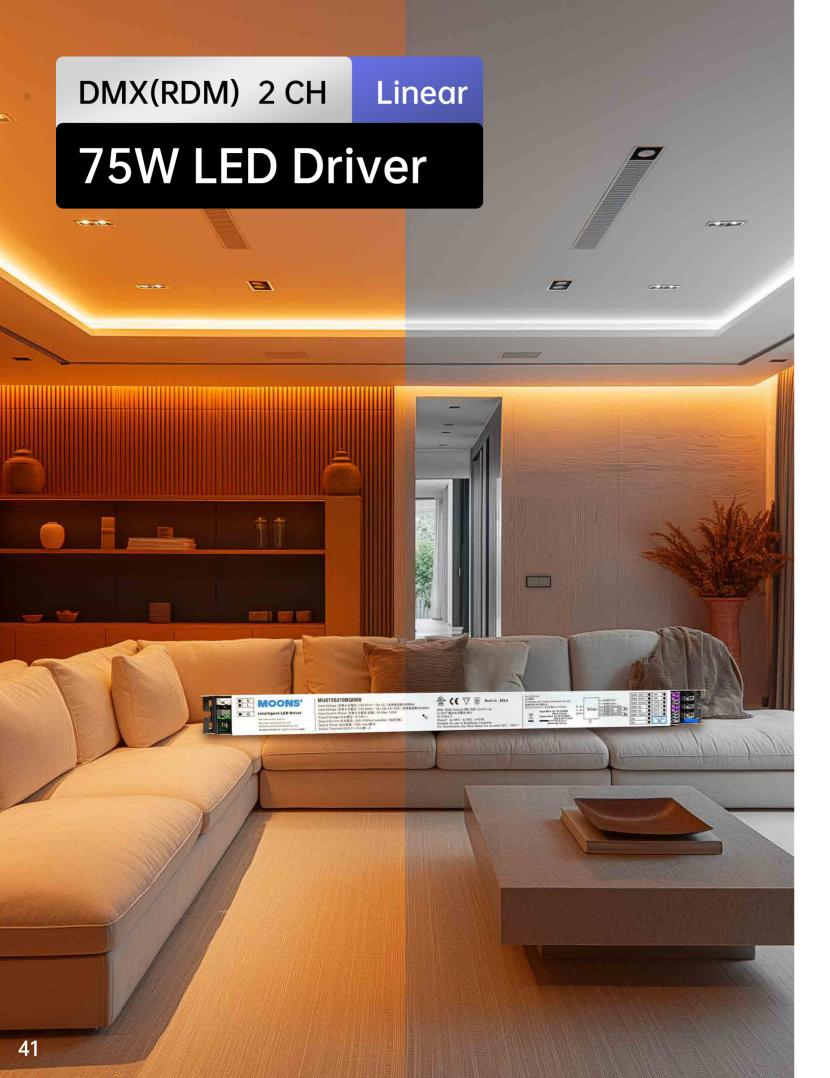
Product List

Model	Pout (W)	Function	AUX	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S150BQI611	50	Tunable White 1 address 2 channels 2 addresses 2 channels	•	90~305	200 -1500	8-55	130*76*30
MU050S150BQI601	50		•	90~305	200 -1500	8-55	408*30*21
MU050S150BQI626	50			90~305	200 -1500	8-55	150*76*36
MU050S150BQI636	50			90~305	200 -1500	8-55	150*76*29
MU050S150BQI670	50			90~305	200 -1500	8-55	188*77*40.5

Certification & Form Factor

Model	UL / cUL	СВ	CE	ENEC	PSE	Form Factor
MU050S150BQI611	•	•	•	•	•	Compact
MU050S150BQI601	•	•	•	•	•	Linear
MU050S150BQI626	•					Backfeed
MU050S150BQI636	•					Sidefeed
MU050S150BQI670					•	with Bracket

40



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Support tunable white, dual-channel single address, dual-channel dual addresses
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
MU075S210BQI800	75	90~305	200-2100	8-54	408*30*21

Model	UL / cUL	CE
MU075S210BQI800	Class P	•

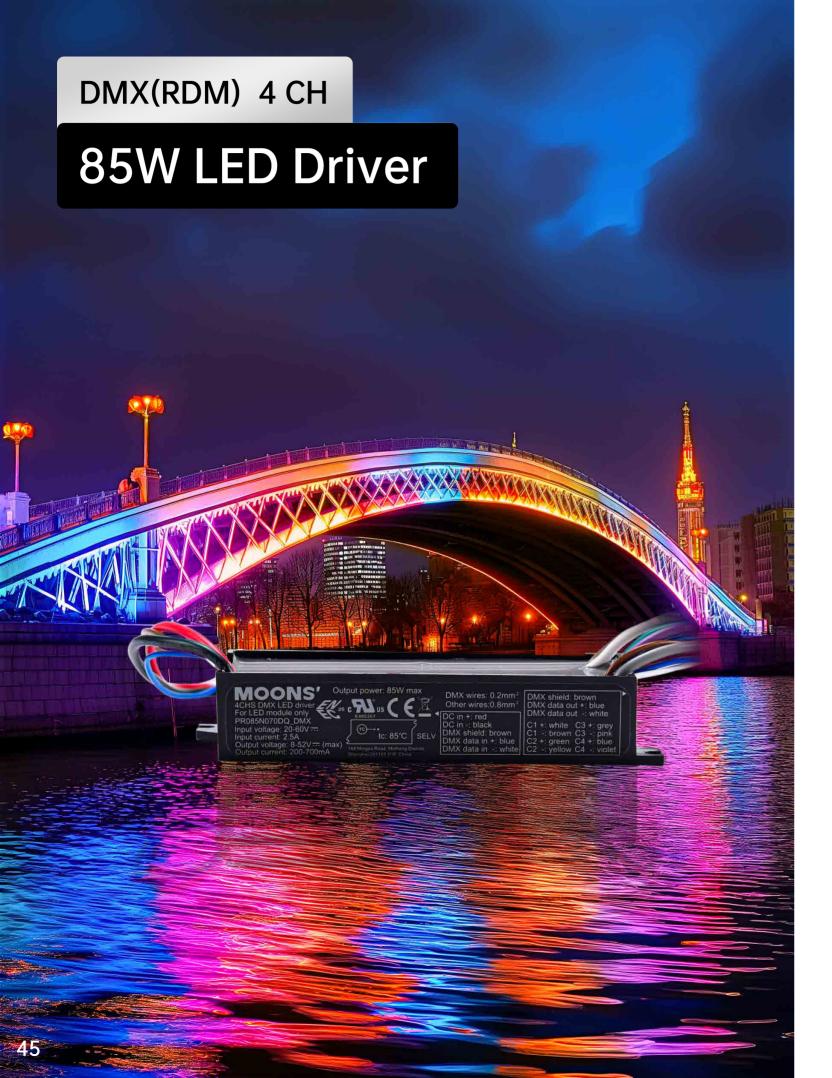


- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S105DQI810	50	90-305	200-1050	8-50	130*76*30
MU050S105DQI800	50	90-305	200 -1050	8-50	438.8*30*21

Model	UL / CUL	СВ	CE	ENEC
MU050S105DQI810	Class P	•	•	•
MU050S105DQI800	Class P	•	•	•

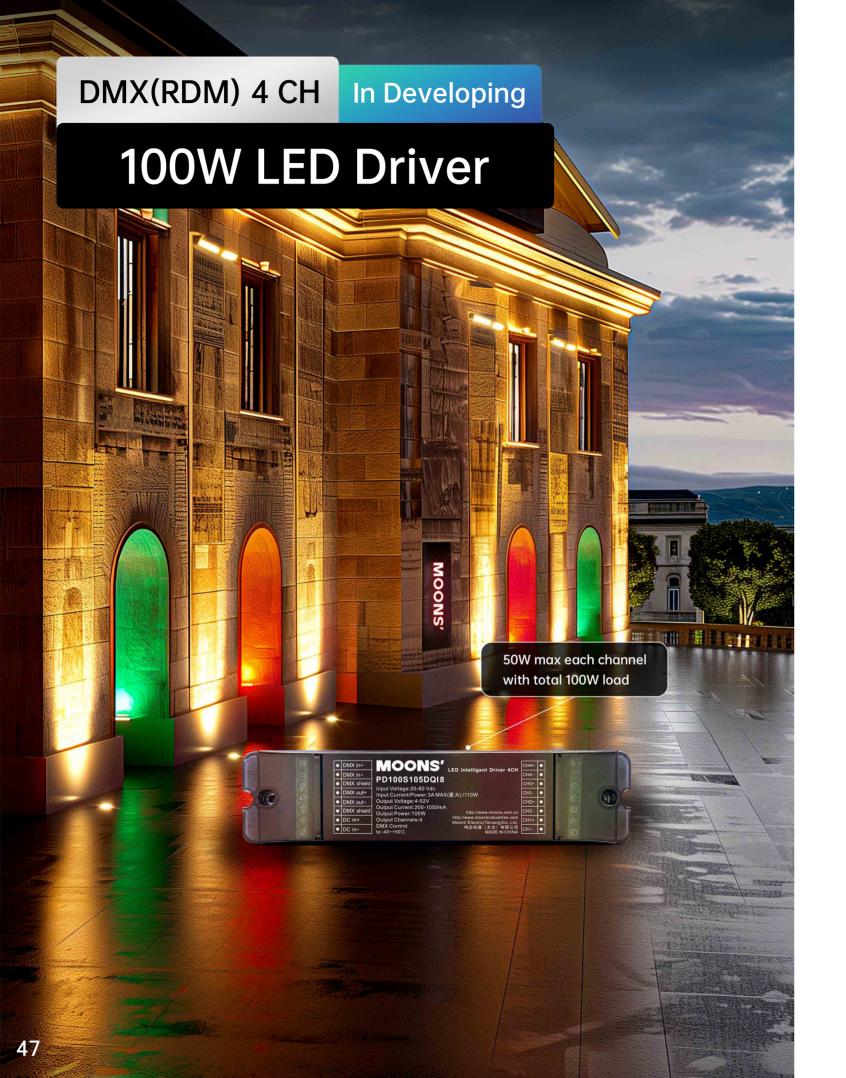


- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- DMX interface for firmware upgrade and programming
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VDC)	(mA)	(VDC)	(mm)
PR085N070DQ_DMX	85	20-60	200-700	8-52	113*40*22

Model	UL / CUL	CE	ENEC	ccc
PR085N070DQ_DMX	RC	•	•	•



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VDC)	(mA)	(VDC)	(mm)
PD100S105DQI8	100	36-60	200-1050	4-52	183*35*20

Precautions:

- Multiple LED outputs cannot be connected in series to power an LED load with a forward voltage > 52V.
- Multiple LED outputs cannot be connected in parallel to deliver a drive current that exceeds the maximum drive current that can be delivered by a single LED output.
- Common-anode or common-cathode configurations are not acceptable.
- Cross connecting multiple LED outputs of a LED driver may result in permanent damage to the LED driver itself and/or the LED light engine(s).



- Dimmable constant voltage LED driver
- Dimming range of 0, 0.1% to 100% with DMX(RDM)
- Logarithm, linear, square or gamma 2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- DMX interface for firmware upgrade and programming
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VDC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)	
PD240S048DPI850	240	12-48	0-5000/Channel	12-48	180.7*42.7*20	

Output Voltage	12V	24V	48V	Channel
	60W	120W	120W	Channel 1
	60W	120W	120W	Channel 2
Output Power Range (Max)	60W	120W	120W	Channel 3
	60W	120W	120W	Channel 4
	120W	240W	240W	Total 4channels

Output Volta	ge 12V	24V	48V	Channel
Output Current Range (Max)	5A	5A	5A 2.5A	
	5A 5A		2.5A	Channel 2
	5A	5A	2.5A	Channel 3
	5A	5A	2.5A	Channel 4
	10A	10A	5A	Total 4channels

Precautions:

- Output loads as far as possible only LED, resistor or diode and part of the TVS protection circuit.
- Output loads do not include capacitive loads.
- LED load circuit such as active constant current circuit, please cooperate with the sample to verify.
- The response speed of some constant current circuits may affect the dimming performance.

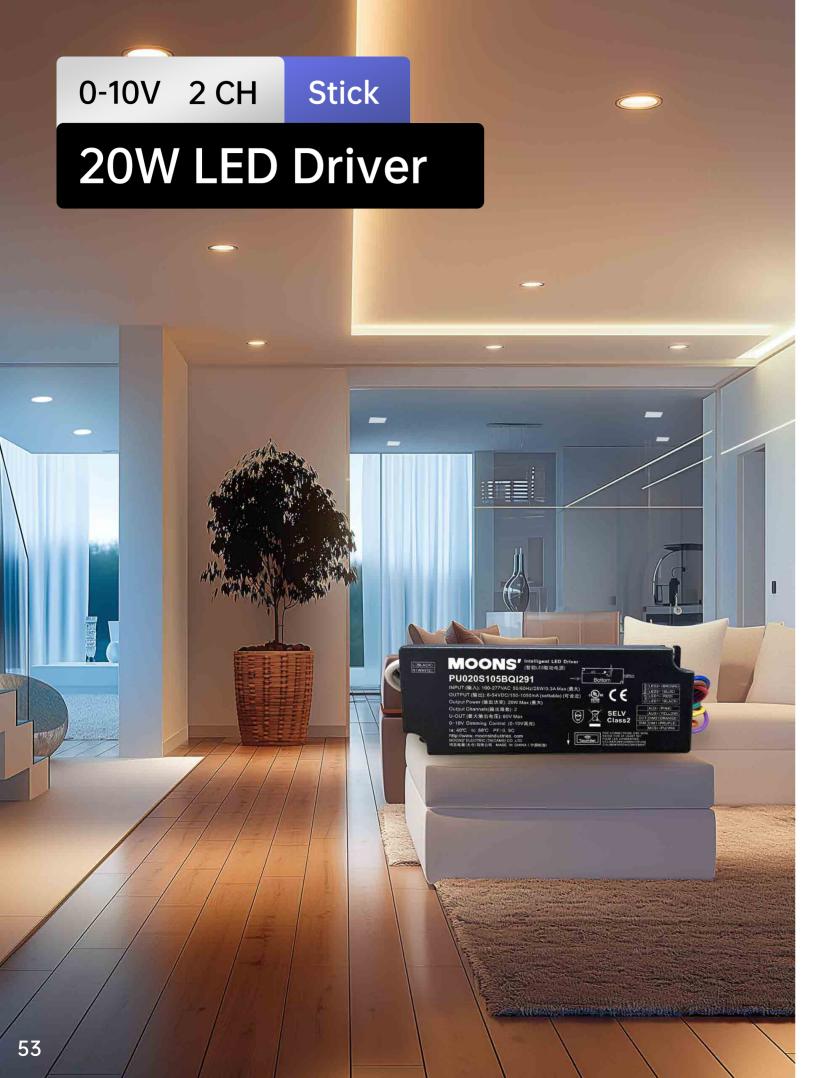


- Dimmable constant current LED drivers
- Dimming range of 0, 0.1% to 100% with 0-10V and Phase-Cut
- Phase-Cut dimming including: TRIAC (forward-phase or leading-edge) and ELV (reverse phase or trailing-edge), and Phase Cut dimming is only available at 100-120VAC input voltage.
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout Input Range Iout Range (W) (VAC) (mA)		Vout Range (VDC)	Dimension (mm)	
PU020S105AQIA90	20	90~305	150-1050	8-54	109*41*27

Model	UL / cUL
PU020S105AQIA90	In Process



- Dimmable constant current LED drivers
- Dimming range of 0, 0.1% to 100% with 0-10V
- Support tunable white and dim to warm, dual-channel single address, dual-channel dual addresses
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 12V/60mA auxiliary output
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
PU020S105BQI291	20	90~305	150-1050	8-54	109*41*27

Certification & Function

Model	UL / cUL	12V/60mA AUX
PU020S105BQI291	Class P	•



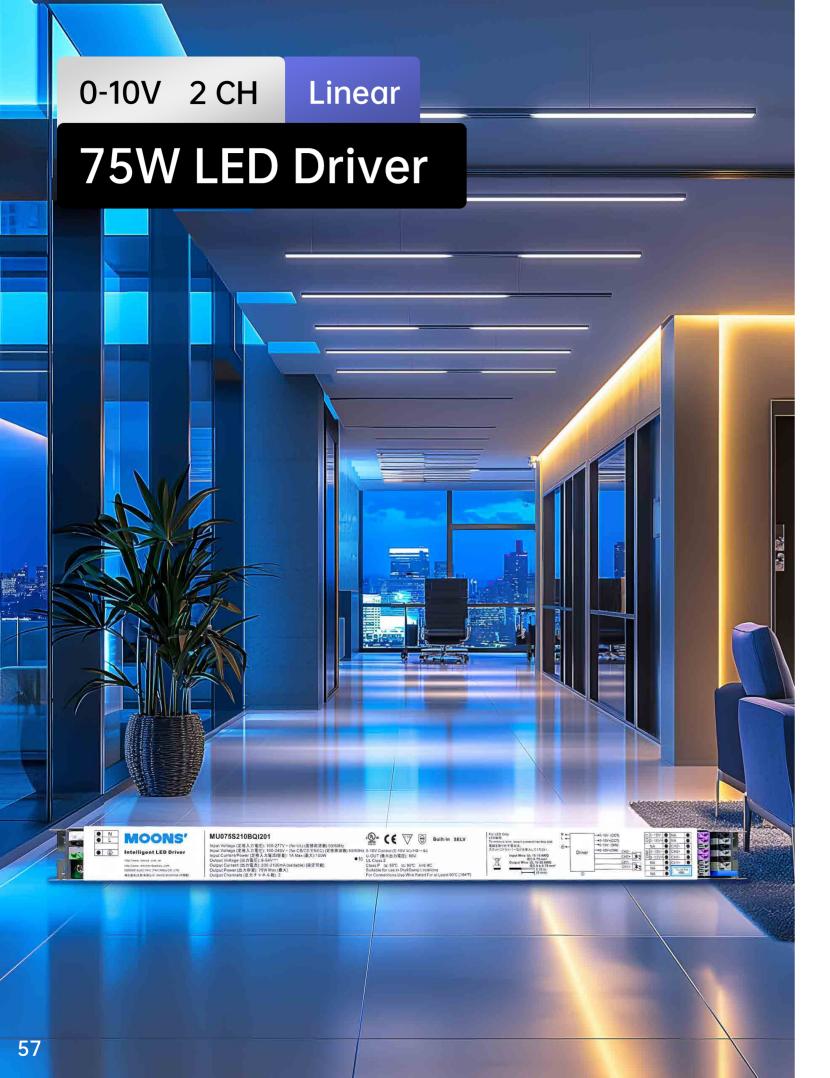
- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with 0-10V
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 12V/60mA auxiliary output (optional)
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Function	AUX	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S150BQI211	50	Tunable White	•	90-305	200-1500	8-55	130*76*30
MU050S150BQI201	50	Dim to Warm	•	90-305	200-1500	8-55	408*30*21
MU050S150BQI226	50	1 address 2 channels 2 addresses 2 channels		90-305	200-1500	8-55	150*76*36
MU050S150BQI236	50			90-305	200-1500	8-55	150*76*29

Certification & Form Factor

Model	UL / cUL	СВ	CE	ENEC	PSE	Form Factor
MU050S150BQI211	Class P	•	•	•	•	Compact
MU050S150BQI201	Class P	•	•	•	•	Linear
MU050S150BQI226	Class P					Backfeed
MU050S150BQI236	Class P					Sidefeed



- Dimmable constant current LED drivers
- Dimming range of 0, 0.1% to 100% with 0-10V
- Support tunable white and dim to warm, dual-channel single address, dual-channel dual addresses
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 12V/60mA auxiliary output
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
MU075S210BQI201	75	90~305	200 -2100	8-54	408*30*21

Model	UL / cUL	CE
MU075S210BQI201	Class P	•



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with BLE4.0 Mesh
- Integrated with CASAMBI module and LensVector driver
- Logarithm, linear, square or gamma2.2 optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- 12V/100mA output
- IP20 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU050S150BQI911	50	90~305	200-1500	8-55	130*76*30

Function

Model	12V/60mA AUX
MU050S150BQI911	•



- Dimmable constant current LED driver
- Dimming range of 0, 0.1% to 100% with BLE4.0 Mesh
- Integrated with CASAMBI module
- Logarithm or linear optional dimming curve
- Flicker Free meets CEC title 24 JA10/ IEEE PAR 1789-2015
- NFC technology to program the driver
- IP20 Design
- Warranty 5 years

Product List

Model	Pout	Input Range	lout Range	Vout Range	Dimension
	(W)	(VAC)	(mA)	(VDC)	(mm)
MU050S105DQI910	50	90~305	200 - 1050	8-50	130*76*30

Overview

Explosion-proof LED Drivers

Star of Safe Lighting in Hazardous Environments

Explosion-proof drivers are designed to operate in hazardous environments where there is a high risk of explosions due to the presence of flammable gases, vapors, or dust. MOONS' explosion-proof LED drivers offer a unique combination of advanced technology, safety, and performance. They represent our commitment to providing innovative, reliable, and high-quality products for all environments.

Trust MOONS' for lighting solutions that illuminate your workspace safely and efficiently.

Dimming Range

Dimming Control

Suitable for use in

0, 10% ~ 100%

0-10V / DALI

ZONE 1

35W High Effiency



100W High Effiency



165W High Effiency



Certification







Dimmable Constant Current Driver

IEC60079-0

IEC60079-18

IEC61347-1

IEC61347-2-13

EN55015/FCC Part 15 Class B

EN6100-3-2 Class C

EN61000-3-3

EN61000-4-2,3,4,5,6,8,11

EN61547

CSA C22.2 NO .107.1

UL8750, UL1012, UL1310

work temperature +90°C

-50°C

Low temerature rise easy to make Ex Luminaire to meet T5 code

IP66 Design

Warranty 5 years



Power

25W | 35W

Dimension

117x72x44 mm



Power

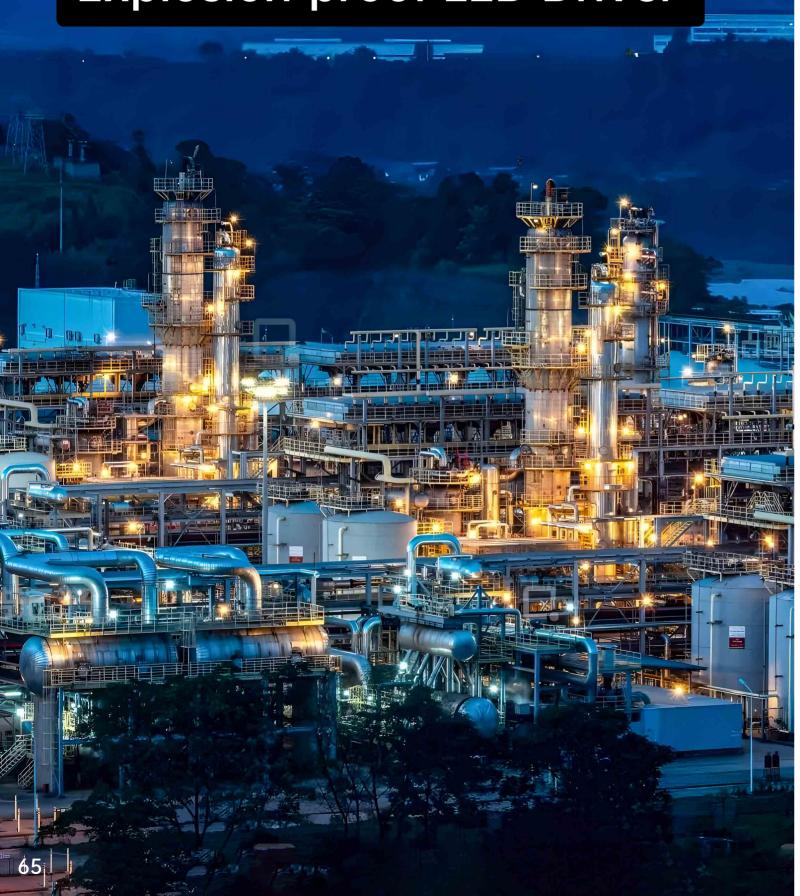
60W | 100W | 165W

Dimension

171.6x70x44 mm (60/100W)

205x70x44 mm (165W)

0-10V Series Explosion-proof LED Driver



Product Features

- Dimmable constant current LED driver
- 0-10V/PWM dimming interface to program the driver

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU025H105AQ_MB/AUX	25	90~305	300-1050	18-48	117*72*44
MU035H105AQ_MB/AUX	35	90~305	300-1050	20-50	117*72*44
MU060H105AQ_MB/AUX	60	90~305	300-1050	24-86	171.6*70*44
MU100H120AQ_MB/AUX	100	90~305	360-1200	48-125	171.6*70*44
MU100H280AQ_MB/AUX	100	90~305	900-2800	22-54	171.6*70*44
MU163H105AQ_MB/AUX	165	90~305	300 - 1050	94-236	205*70*44
MU163H150AQ_MB/AUX	165	90~305	450 -1500	66-165	205*70*44
MU025H105AQ_MB/F	25	90~305	300 «fixed lout «1050	18-48	117*72*44
MU035H105AQ_MB/F	35	90~305	300 «fixed lout «1050	20-50	117*72*44
MU060H105AQ_MB/F	60	90~305	300«fixed lout«1050	24-86	171.6*70*44
MU100H120AQ_MB/F	100	90~305	360 «fixed lout «1200	48-125	171.6*70*44
MU100H280AQ_MB/F	100	90~305	900«fixed lout«2800	22-54	171.6*70*44
MU163H105AQ_MB/F	165	90~305	300 «fixed lout «1050	94-236	205*70*44
MU163H150AQ_MB/F	165	90~305	450«fixed lout«1500	66-165	205*70*44

Dimming Control & Function

Model	0-10V	PWM	12V/300mA Auxiliary Output
MUxxxHxxxAQ_MB/AUX	•	•	•
MUxxxHxxxAQ_MB/F			

DALI Series

Explosion-proof LED Driver



Product Features

- Dimmable constant current LED driver
- DALI dimming interface to program the driver
- IEC62386 Part 101,102,207 2.0 version

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU025H105AQ_MB/DALI	25	90~305	300 - 1050	18-48	117*72*44
MU035H105AQ_MB/DALI	35	90~305	300 - 1050	20-50	117*72*44
MU060H105AQ_MB/DALI	60	90~305	300-1050	24-86	171.6*70*44
MU100H120AQ_MB/DALI	100	90~305	360 - 1200	48-125	171.6*70*44
MU163H105AQ_MB/DALI	165	90~305	300 - 1050	94-236	205*70*44
MU163H150AQ_MB/DALI	165	90~305	450 -1500	66-165	205*70*44

Overview

Emergency LED Drivers

Reliable Power: When It Matters Most

In critical moments, every second counts. Our Emergency LED Drivers are designed to deliver unwavering power, ensuring your lights stay on when you need them the most. With seamless integration into your existing lighting system, these drivers offer instant backup, providing reliable illumination during power outages or emergencies. Engineered with precision, they combine advanced technology with unmatched durability, guaranteeing performance you can trust.

Whether for safety, security, or peace of mind, MOONS' Emergency LED Drivers are the silent guardians that ensure your spaces remain lit, no matter the situation.



Power

25W | 30W

Dimension

170.9x67.5x40mm

Certification







II 2 G Ex mb (ib) II C GI

Dimmable Constant Current Driver

IEC60079-0 EN55015/FCC Part 15 Class B

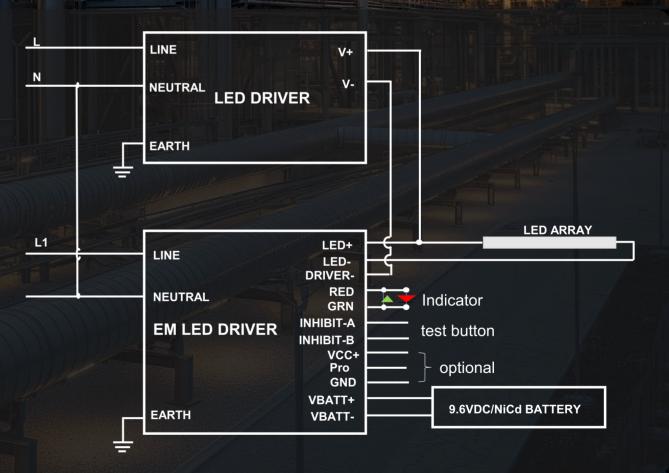
IEC60079-18 EN6100-3-2 Class C

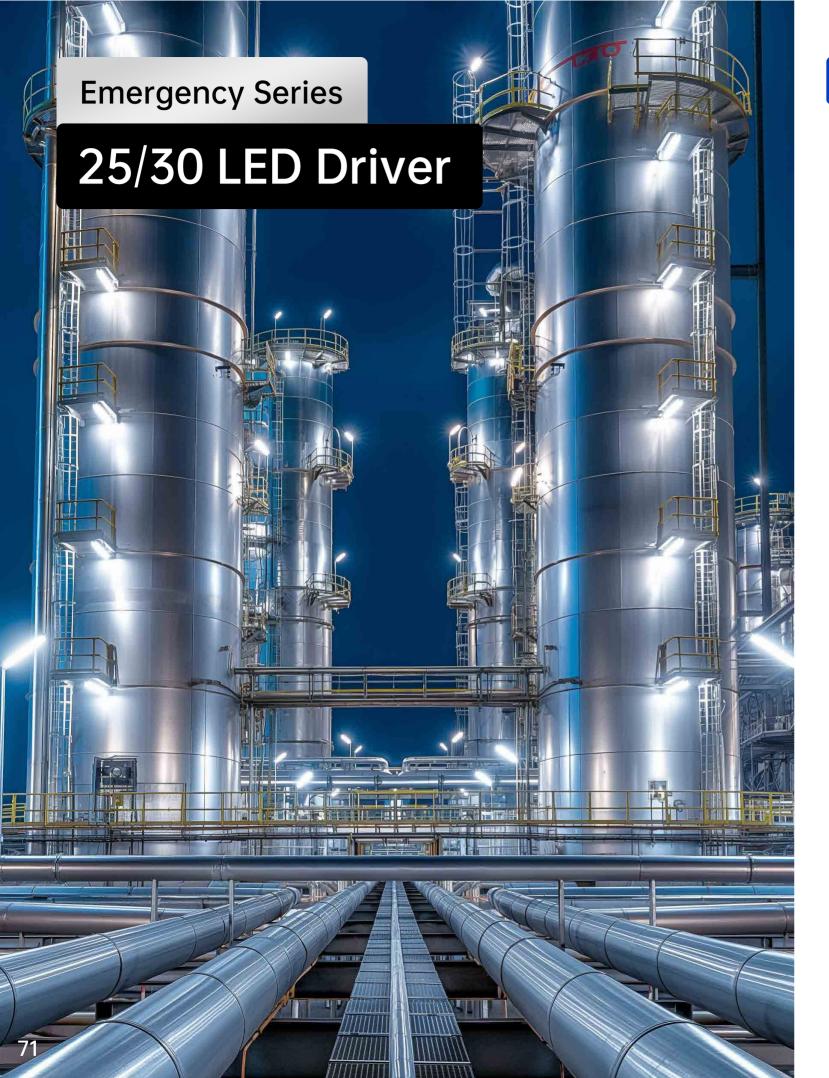
IEC60079-11 EN61000-3-3

IEC61347-1 EN61000-4-2,3,4,5,6,8,11

IEC61347-2-7 EN61547

Product Connection





- Battery Management
- Emergency Switchover
- Enable/Disable Auto Self-Diagnostic
- Inhibit Switch
- LED Indicators
- LED output current programmable

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MU025H050AQ_MB/EM	25	90~305	500	24-86	170.9*67.5*40
MU030H030AQ_MB/EM	30	90~305	300	70-188	170.9*67.5*40

- IECEx/ATEX
- IEC60079-0, IEC60079-18, IEC60079-11, IEC61347-1, IEC61347-2-7
- II 2 G Ex mb (ib) IIC Gb

Overview Sports Li

Sports Lighting LED Drivers

Fast and Steady · Star of Professional Sports Lighting



MOONS' Sports Lighting LED Drivers offer powerful, reliable, and energy-efficient solutions for large-scale outdoor lighting. Designed to handle outdoor conditions, these drivers provide precise control and customizable settings for optimal lighting performance. They meet all relevant safety standards, ensuring a dependable and high-quality lighting solution for any event.



40Hz

Strobe Effect

96%

Efficiency

50°C

High Ta

10KV

Surge Level L-N & L/N-FG <1% Low Current

Ripple

Dimming Control

DALI & DMX(RDM)

Dimming Range **0, 1-100%**



Logarithm or linear optional dimming Curve

IP66
Design

Warranty —

5 years

Dimmable Constant Current LED Driver

600w/cH





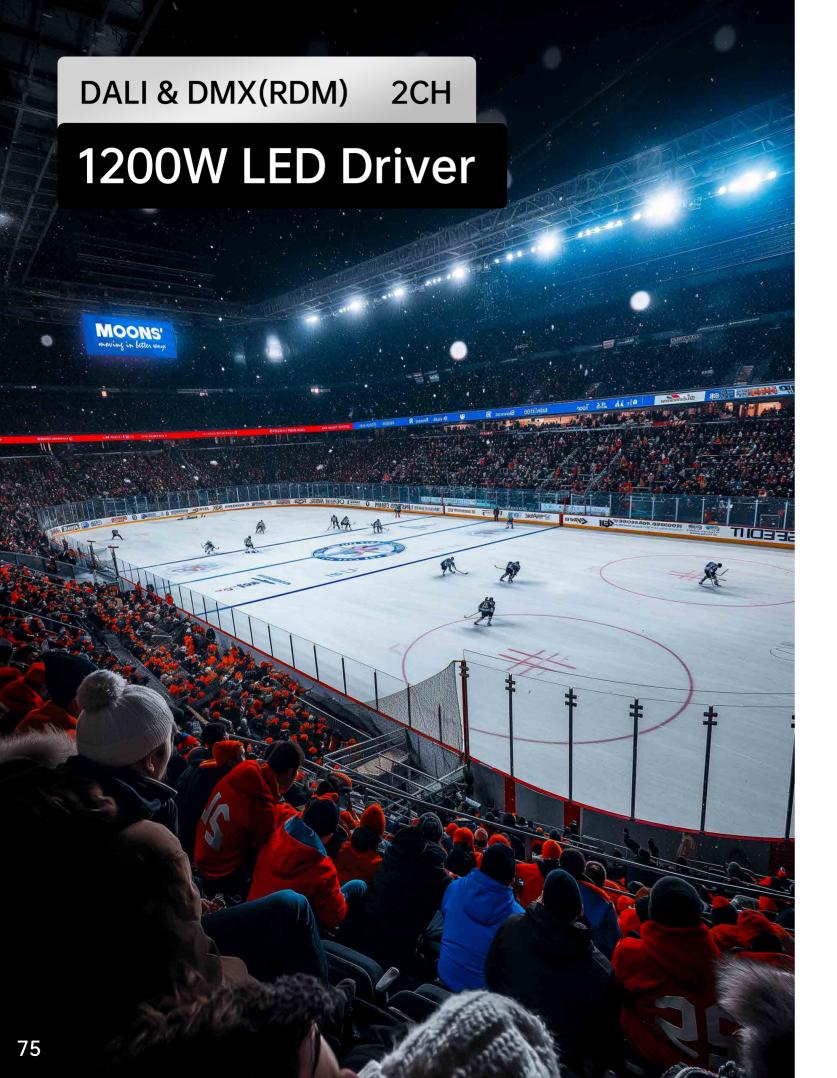












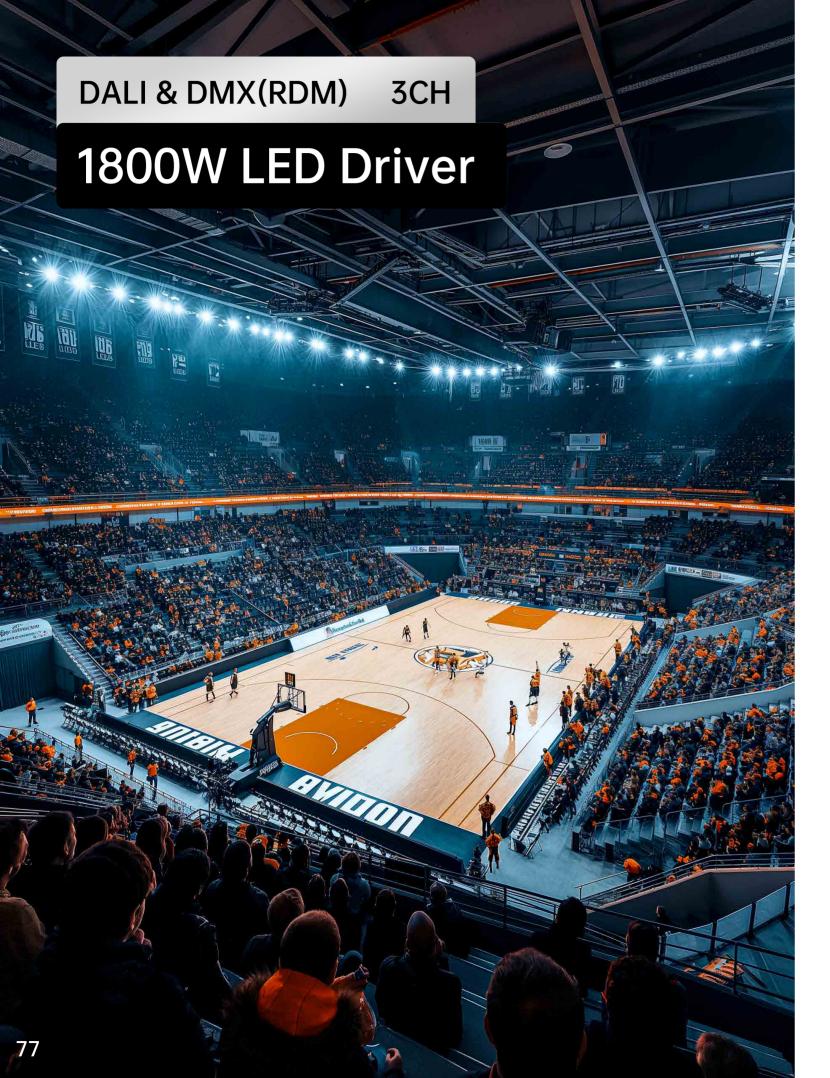
- 2 channels dimmable constant LED driver, 600W/CH
- Dimming range of 0, 1% to 100% with isolated DALI and DMX(RDM)
- Logarithm or linear optional dimming curve
- DALI and DMX(RDM) dimming interface to program the driver
- Flicker Free, 40Hz strobe function
- Surge L-N 10KV, L/N-FG 10KV
- IP66 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MT1200H200BQI780	1200	198~440	1200-2000	160-415	500*141*120
MT1200H210BQI7820	1200	198~528	1200-2100	160-500	500*141*120

Certification & Function

Model	DALI-2	D4i	DMX (RDM)	UL/cUL	CE	ENEC	RCM	15V/60mA DALI power	24V/125mA AUX
MT1200H200BQI780	•	•	•		•	•	•	•	•
MT1200H210BQI7820	•	•	•	Class P	•	•	•	•	•



- 3 channels dimmable constant LED driver, 600W/CH
- Dimming range of 0, 1% to 100% with isolated DALI and DMX(RDM)
- Logarithm or linear optional dimming curve
- DALI and DMX(RDM) dimming interface to program the driver
- Flicker Free, 40Hz strobe function
- Surge L-N 10KV, L/N-FG 10KV
- IP66 Design
- Warranty 5 years

Product List

Model	Pout (W)	Input Range (VAC)	lout Range (mA)	Vout Range (VDC)	Dimension (mm)
MT1800H200CQI780	1800	198~440	1200-2000	160-415	500*141*120
MT1800H210CQI7820	1800	198~528	1200-2100	160-500	500*141*120

Certification & Function

Model	DALI-2	D4i	DMX (RDM)	UL/cUL	CE	ENEC	RCM	15V/60mA DALI power	24V/125mA AUX
MT1800H200CQI780	•	•	•		•	•	•	•	•
MT1800H210CQI7820	•	•	•	Class P	•	•	•	•	•