



Unios DALI

Endless Control Capability

Unios Toolbox

This digital tool provides you with a platform for configuring, bookmarking and collaborating on luminaires for any project.

unios.com/toolbox

LX Configurator

Create a tailor-made linear design in minutes with the pioneering digital tool. With 24/7 access to customised shapes, specifications, IES, BIM and Revit files, there is no limitation to creativity.

unios.com/lxconfigurator

Catalogues

Stay up to date with the latest Unios luminaire releases with our range of product catalogues.

unios.com/catalogues

Education

With contributions from leading experts, Universal Light is dedicated to increasing the awareness of the impact of light and the lighting industry.

unios.com/universallight

White Papers

Learn about the specifics of new technologies and trending topics in methodically researched white papers.

unios.com/whitepapers

Changing how the
world views lighting.

Building digital tools.
Sharing new knowledge.



Market-leading Specs.

Competitive pricing.

Quick turnaround.

Introducing the Unios DALI, a DALI-2-certified product that meets the DALI-2 specification's rigorous quality and performance standards. Functionally designed, the Unios DALI offers market-leading specifications and quick turnaround at a competitive price.

Market-leading specifications

Engineered and tested meticulously to meet the rigorous DALI-2 standards, have peace of mind when specifying this driver for your projects, as it will deliver the best-in-class quality.

Competitive pricing

Available in 5 models, each with 8 adjustable outputs, the Unios DALI is compatible with most Unios products. Additionally, this driver is highly price competitive, thanks to the local supply chain.

Quick turnaround

With stocks available at Unios local facilities, the Unios DALI can be taken right off the shelf and be ready for specification, offering a significantly shorter lead time compared to the market's norms.

The Unios DALI is compatible with the majority of Unios' luminaire ranges. Visit our website for more documents related to this DALI-2-certified driver. The drivers will be available for configuration in Unios Toolbox 2.0.

As a member of the DALI Alliance, Unios is verified as a trusted manufacturer of DALI products. The Unios DALI complies with the DALI-2 standards, promising the highest standard of interoperability, functionality and performance through numerous rigorous quality tests.

5-Year Warranty

The Unios DALI's reliability and performance are unquestionable, thanks to its market-leading design and manufacturing. With a 5-year warranty, the driver is an outstanding option for your lighting control system.

Power Factor (PF) >0.90

The Unios DALI has a PF > 0.90 across the entire input range and typically operates at 0.95, reducing equipment size, cost and unnecessary loads on the electrical and overall system.

Temperature (TA) up to 50°C

Rated to operate at an ambient temperature of up to 50°C while maintaining a 50,000h lifetime rating, the Unios DALI ensures reliability in high-temperature environments such as confined spaces and enclosed ceilings.

PushDIM

Basic dimming can be accomplished by using a simple DALI broadcast controller or an alternative simple push button. With both options, the dimming control between drivers remains consistent

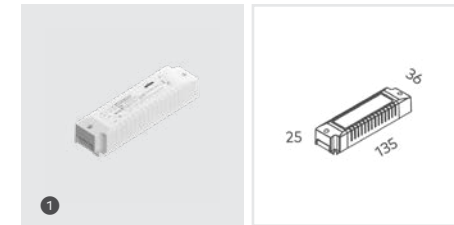
1kV Surge Protection

The Unios DALI is equipped with built-in surge protection, protecting the internal electronic components and allowing the driver to withstand up to sudden 1kV high-voltage spikes.

50,000h Lifetime

Comes with a lifetime of 50,000h when running at the maximum ambient temperature and up to 100,000h when running in cool environments, the Unios DALI offers extended service life, reliability and reduced maintenance costs.





	Power	Current (mA)	Voltage (VDC)
1 120mA Constant Current Output	5.5W	120mA	9-45VDC
150mA Constant Current Output	7W	150mA	9-45VDC
180mA Constant Current Output	8W	180mA	9-45VDC
210mA Constant Current Output	9.5W	210mA	9-45VDC
250mA Constant Current Output	11.5W	250mA	9-45VDC
280mA Constant Current Output	12W	280mA	9-42VDC
300mA Constant Current Output	12W	300mA	9-40VDC
350mA Constant Current Output	12W	350mA	9-34VDC

Key Information	
Material	PC - Polycarbonate
IP Rating	IP20
Lifetime (Ta = 50°C)	50,000h
Lifetime (Ta = 25°C)	>100,000h
Warranty	5 years
Working Temp.	-20°C-50°C
Storage Temp., Humidity	40°C-85°C, 20-90%RH
Tcase	60°C
Switch Cycle Endurance	>100,000 cycles
Control	DALI, PushDIM

Input	
Nominal Efficiency	84%@230VAC, Full Load
Voltage	220VAC-240VAC
Frequency Range	50/60Hz
Power Factor	≥0.95@230VAC, Full Load
THD	<10%@230VAC, Full Load
AC Current (max)	0.08A@230VAC, Full Load
Inrush Current (peak)	Cold start, 18A@230VAC 14μs

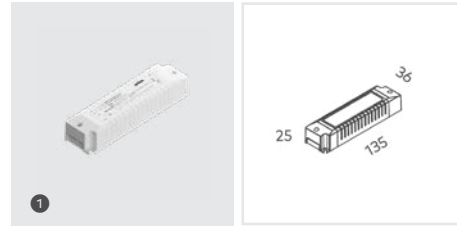
Output	
Ripple current	<3%
Channels	1 (DT6)
Current tolerance	±5%
Standby Power	<0.5W
No Load Output Voltage	55VDC Max
Dimming Range	1%-100% (all current settings)
Flicker	PSTLM <1 SVM <0.4
IEEE1789-2015	No Observable Effect

Protection	
Short Circuit	Automatically recovers after short circuit removed.
Over Load	Automatically recovers after load conditions are within specifications.
Over Voltage	Automatically recovers after voltage conditions are within specifications.
Surge (L-N)	1KV
Withstand Voltage (I/P-O/P)	3000VAC/1min/5mA



Unios DALI

20W Constant Current Driver

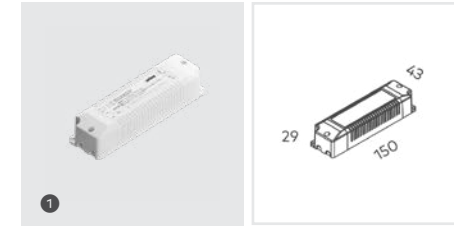


		Power	Current (mA)	Voltage (VDC)
1	350mA Constant Current Output	16W	350mA	9-45VDC
	400mA Constant Current Output	18W	400mA	9-45VDC
	450mA Constant Current Output	20W	450mA	9-44VDC
	500mA Constant Current Output	20W	500mA	9-40VDC
	550mA Constant Current Output	20W	550mA	9-36DC
	600mA Constant Current Output	20W	600mA	9-33VDC
	650mA Constant Current Output	20W	650mA	9-30VDC
	700mA Constant Current Output	20W	700mA	9--28VDC

Key Information		Input		Output		Protection	
Material	PC - Polycarbonate	Nominal Efficiency	85%@230VAC, Full Load	Ripple current	<3%	Short Circuit	Automatically recovers after short circuit removed.
IP Rating	IP20	Voltage	220VAC-240VAC	Channels	1 (DT6)	Over Load	Automatically recovers after load conditions are within specifications.
Lifetime (Ta = 50°C)	50,000h	Frequency Range	50/60Hz	Current tolerance	±5%	Over Voltage	Automatically recovers after voltage conditions are within specifications.
Lifetime (Ta = 25°C)	>100,000h	Power Factor	≥0.95@230VAC, Full Load	Standby Power	<0.5W	Surge (L-N)	1KV
Warranty	5 years	THD	<10%@230VAC, Full Load	No Load Output Voltage	55VDC Max	Withstand Voltage (I/P-O/P)	3000VAC/1min/5mA
Working Temp.	-20°C-50°C	AC Current (max)	0.12A@230VAC, Full Load	Dimming Range	1%-100% (all current settings)		
Storage Temp., Humidity	40°C-85°C, 20-90%RH	Inrush Current (peak)	Cold start, 18A@230VAC 14μs	Flicker	PSTLM <1 SVM <0.4		
Tcase	70°C	IEEE1789-2015	No Observable Effect				
Switch Cycle Endurance	>100,000 cycles						
Control	DALI, PushDIM						

Unios DALI

30W Constant Current Driver



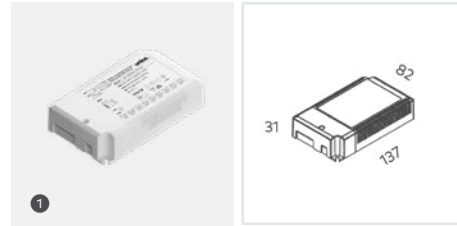
		Power	Current (mA)	Voltage (VDC)
1	550mA Constant Current Output	25W	550mA	9-45VDC
	600mA Constant Current Output	27W	600mA	9-45VDC
	650mA Constant Current Output	29.5W	650mA	9-45VDC
	700mA Constant Current Output	30W	700mA	9-43VDC
	750mA Constant Current Output	30W	750mA	9-40VDC
	800mA Constant Current Output	30W	800mA	9-38VDC
	850mA Constant Current Output	30W	850mA	9-35VDC
	900mA Constant Current Output	30W	900mA	9-34VDC

Key Information		Input		Output		Protection	
Material	PC - Polycarbonate	Nominal Efficiency	87%@230VAC, Full Load	Ripple current	<3%	Short Circuit	Automatically recovers after short circuit removed.
IP Rating	IP20	Voltage	220VAC-240VAC	Channels	1 (DT6)	Over Load	Automatically recovers after load conditions are within specifications.
Lifetime (Ta = 50°C)	50,000h	Frequency Range	50/60Hz	Current tolerance	±5%	Over Voltage	Automatically recovers after voltage conditions are within specifications.
Lifetime (Ta = 25°C)	>100,000h	Power Factor	≥0.95@230VAC, Full Load	Standby Power	<0.5W	Surge (L-N)	1KV
Warranty	5 years	THD	<10%@230VAC, Full Load	No Load Output Voltage	55VDC Max	Withstand Voltage (I/P-O/P)	3000VAC/1min/5mA
Working Temp.	-20°C-50°C	AC Current (max)	0.17A@230VAC, Full Load	Dimming Range	1%-100% (all current settings)		
Storage Temp., Humidity	40°C-85°C, 20-90%RH	Inrush Current (peak)	Cold start, 28A@230VAC 30μs	Flicker	PSTLM <1 SVM <0.4		
Tcase	90°C	IEEE1789-2015	No Observable Effect				
Switch Cycle Endurance	>100,000 cycles						
Control	DALI, PushDIM						



Unios DALI

40W Constant Current Driver

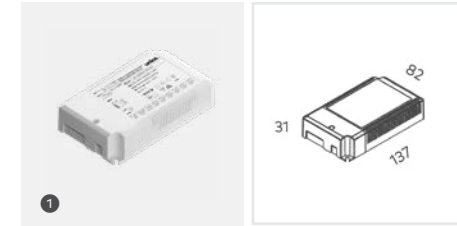


		Power	Current (mA)	Voltage (VDC)
1	850mA Constant Current Output	38.5W	850mA	9-45VDC
	900mA Constant Current Output	39.5W	900mA	9-44VDC
	950mA Constant Current Output	40W	950mA	9-42VDC
	1000mA Constant Current Output	40W	1000mA	9-40VDC
	1050mA Constant Current Output	40W	1050mA	9-38VDC
	1100mA Constant Current Output	40W	1100mA	9-36VDC
	1150mA Constant Current Output	40W	1150mA	9-35VDC
	1200mA Constant Current Output	40W	1200mA	9-33VDC

Key Information		Input		Output		Protection	
Material	PC - Polycarbonate	Nominal Efficiency	88%@230VAC, Full Load	Ripple current	<3%	Short Circuit	Automatically recovers after short circuit removed.
IP Rating	IP20	Voltage	220VAC-240VAC	Channels	1 (DT6)	Over Load	Automatically recovers after load conditions are within specifications.
Lifetime (Ta = 50°C)	50,000h	Frequency Range	50/60Hz	Current tolerance	±5%	Over Voltage	Automatically recovers after voltage conditions are within specifications.
Lifetime (Ta = 25°C)	>100,000h	Power Factor	≥0.95@230VAC, Full Load	Standby Power	<0.5W	Surge (L-N)	1KV
Warranty	5 years	THD	<10%@230VAC, Full Load	No Load Output Voltage	55VDC Max	Withstand Voltage (I/P-O/P)	3000VAC/1min/5mA
Working Temp.	-20°C-50°C	AC Current (max)	0.23A@230VAC, Full Load	Dimming Range	1%-100% (all current settings)		
Storage Temp., Humidity	40°C-85°C, 20-90%RH	Inrush Current (peak)	Cold start, 40A@230VAC 12.8µs	Flicker	PSTLM <1 SVM <0.4		
Tcase	80°C			IEEE1789-2015	No Observable Effect		
Switch Cycle Endurance	>100,000 cycles						
Control	DALI, PushDIM						

Unios DALI

50W Constant Current Driver



		Power	Current (mA)	Voltage (VDC)
1	1050mA Constant Current Output	47W	1050mA	9-45VDC
	1100mA Constant Current Output	49.5W	1100mA	9-45VDC
	1150mA Constant Current Output	50W	1150mA	9-43VDC
	1200mA Constant Current Output	50W	1200mA	9-42VDC
	1250mA Constant Current Output	50W	1250mA	9-40VDC
	1300mA Constant Current Output	50W	1300mA	9-38VDC
	1350mA Constant Current Output	50W	1350mA	9-37VDC
	1400mA Constant Current Output	50W	1400mA	9-36VDC

Key Information		Input		Output		Protection	
Material	PC - Polycarbonate	Nominal Efficiency	88%@230VAC, Full Load	Ripple current	<3%	Short Circuit	Automatically recovers after short circuit removed.
IP Rating	IP20	Voltage	220VAC-240VAC	Channels	1 (DT6)	Over Load	Automatically recovers after load conditions are within specifications.
Lifetime (Ta = 50°C)	50,000h	Frequency Range	50/60Hz	Current tolerance	±5%	Over Voltage	Automatically recovers after voltage conditions are within specifications.
Lifetime (Ta = 25°C)	>100,000h	Power Factor	≥0.95@230VAC, Full Load	Standby Power	<0.5W	Surge (L-N)	1KV
Warranty	5 years	THD	<10%@230VAC, Full Load	No Load Output Voltage	55VDC Max	Withstand Voltage (I/P-O/P)	3000VAC/1min/5mA
Working Temp.	-20°C-50°C	AC Current (max)	0.28A@230VAC, Full Load	Dimming Range	1%-100% (all current settings)		
Storage Temp., Humidity	40°C-85°C, 20-90%RH	Inrush Current (peak)	Cold start, 40A@230VAC 12.8µs	Flicker	PSTLM <1 SVM <0.4		
Tcase	80°C			IEEE1789-2015	No Observable Effect		
Switch Cycle Endurance	>100,000 cycles						
Control	DALI, PushDIM						

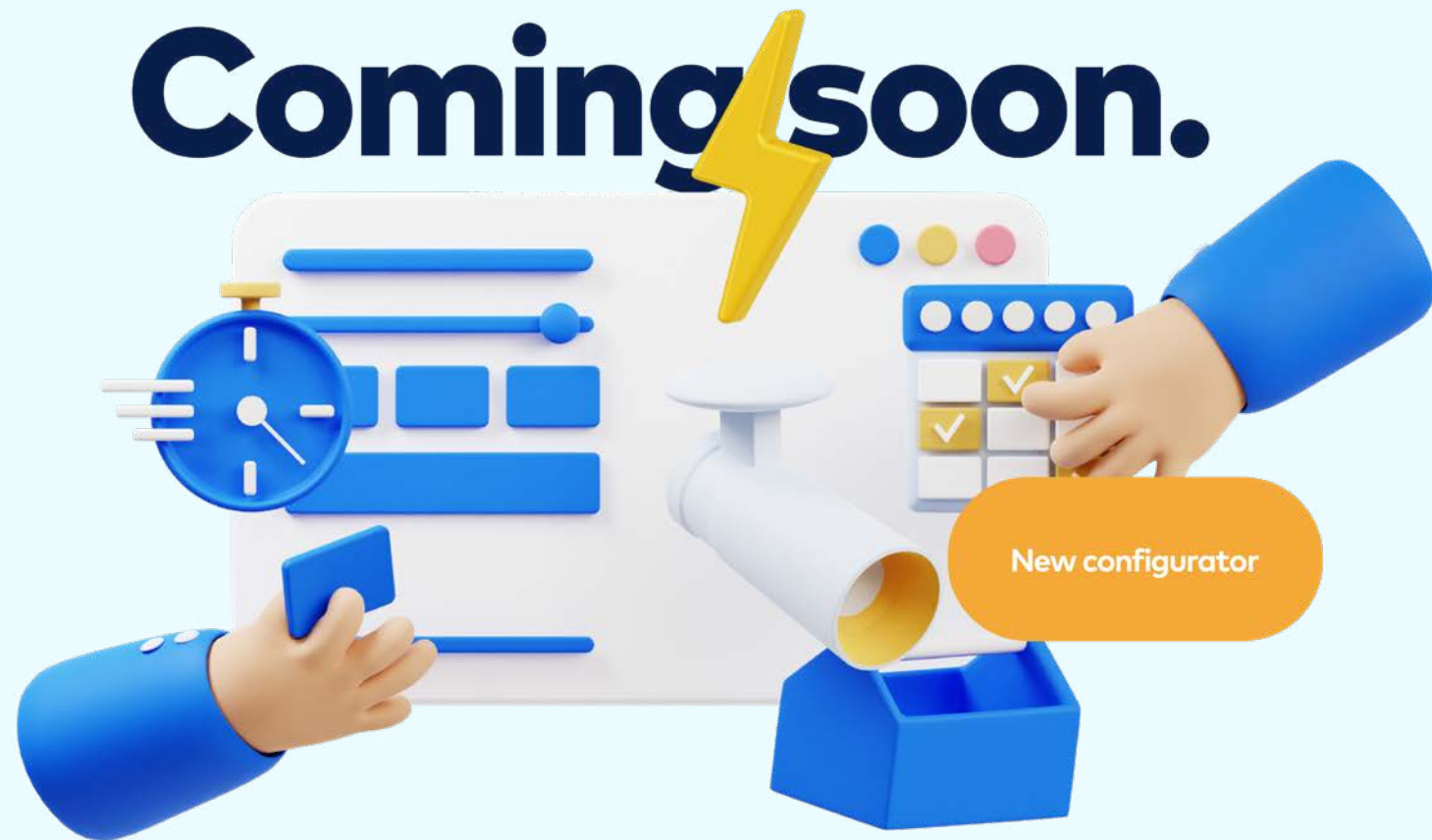


Find additional details at unios.com/uniosdali



Find additional details at unios.com/uniosdali

Coming soon.



Get ready to configure the Unios DALI with
your favourite luminaires in April 2023.

Your lighting super power.

Discover and be inspired by lighting in a whole new way

The new Unios Toolbox will provide a plethora of avenues to find the right lighting for your next project. You will have the tools to navigate products via project imagery, a robust filtering system or be served up smart alternative suggestions.

A new way to configure and manage lighting projects

The new product configurator will make lighting selection simpler than ever with a highly intuitive and live interface that caters to every type of user. Find the perfect product within a few clicks with accurate and live data.

The most complete lighting library at your fingertips

BIM objects, IES files, customised data sheets and product images are all easily accessible for your project requirements. All product variations are presented with a holistic view of each data point and piece of documentation you may require.

More Information

For additional technical information and to access our full library, visit unios.com. Our library contains a comprehensive database of BIM objects, IES files and product imagery.

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