Drivers & Accessories

Powering Your Lighting

Switch Lighting's diverse portfolio of drivers and accessories caters to all your lighting needs. Whether you require drivers for constant current, constant voltage, insulation coverable, control system drivers, marine applications, or DC to DC drivers, we have you covered. Enhance your lighting experience with our versatile and high-performance solutions.

Be sure to check out our accessories which include the Switch Lighting LED tester. This user-friendly tool is used for evaluating LED performance, ensuring the LEDs are functioning correctly prior to finalising a connection to the mains power – making it an essential companion for professional lighting installations.

Switch Lighting's waterproof connectors are engineered for durability and reliability in challenging environments. With IP-rated protection, they ensure a secure and moisture-resistant connection, making them ideal for outdoor applications.

Drivers non-coverable

Constant current drivers

MINI350mA IP65 mains driver
MINI700mA IP65 mains driver

	Mini 350mA	Mini 700mA
Type	Constant current	
Max power output	4W	
Dimmable	No	
Size	38 x 27 x 21mm	
Power factor	0.4	
Input voltage	100-240VAC 50/60Hz	
Current output	350mA	700mA
Voltage output	3 - 12VDC	3 - 6VDC
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CC CURRENT

IP65

SE-9-350-700 9W 350, 400, 450, 500, 550, 600, 650, 700mA, dimmable mains driver

Type	Constant current
Max power output	9W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	350-700mA in 50mA increments
Voltage output	2 - 12V at all currents
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-12-100-400 12W 100, 150, 200, 250, 300, 350, 400mA, dimmable mains driver

Type	Constant current
Max power output	12W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	100-400mA in 50mA increments
Voltage output	9 - 42V at 100-250mA 9 - 40V at 300mA 9 - 34V at 350mA 9 - 30V at 400mA
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-15-350-700 15W 350, 400, 450, 500, 550, 600, 650, 700mA, dimmable mains driver

Type	Constant current
Max power output	15W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	350-700mA in 50mA increments
Voltage output	9 - 42V at 350mA, 9 - 37.5V at 400mA 9 - 33V at 450mA, 9 - 30V at 500mA 9 - 27V at 550mA, 9 - 25V at 600mA 9 - 23V at 650mA, 9 - 21.5V at 700mA
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-40-300-1050 40W 300–1050mA, dimmable mains driver

Type	Constant current
Max power output	40W
Dimmable	0-10V (1-10V PWM/RX)
Size	141 x 40 x 23mm
Power factor	>0.95
Input voltage	115Vac/230Vac
Current output	300-1050mA
Voltage output	9-42VDC at 300-952mA 953-1050 see spec sheet on website for voltage curve details
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

Scan to view website

DC–DC Constant current drivers

Step down only

LDD-350LW 9-36 VDC input – 350mA CC output
LDD-700LW 9-36 VDC input – 700mA CC output

	LDD-350LW	LDD-700LW
Type	Constant current	
Max power output	11.2W	22.4W
Dimmable	Yes via PWM	
Size	22 x 10 x 9mm	
Power factor	n/a	
Input voltage	9-36VDC	
Current output	350mA	700mA
Voltage output	2 - 32VDC Step down only output volts = input volts – 3V	
Ambient temps (ta)	-40 to +70°C	

CONSTANT CC CURRENT

IP67

Step down / Step up

SLDC-150-DP 9-36VDC input – 150mA CC output
SLDC-220-DP 9-36VDC input – 220mA CC output
SLDC-300-DP 9-36VDC input – 300mA CC output

	SLDC-150-DP	SLDC-220-DP	SLDC-300-DP
Type	Constant current		
Max power output	6W	8.8W	12W
Dimmable	Yes via PWM		
Size	32 x 20 x 12mm		
Power factor	n/a		
Input voltage	9-36VDC		
Current output	150mA	220mA	300mA
Voltage output	2 - 40VDC		
Ambient temps (ta)	-40 to +70°C		

CONSTANT CC CURRENT

IP67

Constant voltage drivers

Q4-12V-20W 20W 12VDC power supply

Type	Constant voltage
Max power output	20W
Dimmable	No
Size	113 x 44 x 28mm
Power factor	0.8
Input voltage	220-240VAC 50Hz
Current output	00 - 1.7A
Voltage output	12VDC
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C

CONSTANT CV VOLTAGE

IP20

SLDV-12V-40W 40W 12VDC power supply
SLDV-12V-75W 75W 12VDC power supply

	SLDV-12V-40W	SLDV-12V-75W
Type	Constant voltage	
Max power output	40W	75W
Dimmable	No	
Size	176x58 x30.5mm	186x64 x39mm
Power factor	0.95	
Input voltage	100-240V	
Current output	0.3 - 3A	0 - 6.25A
Voltage output	12VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CV VOLTAGE

IP67

SLDV-24V-75W 75W 24VDC power supply
SLDV-24V-150W 150W 24VDC power supply

	SLDV-24V-75W	SLDV-24V-150W
Type	Constant voltage	
Max power output	75W	150W
Dimmable	No	
Size	186 x 64 x 39mm	191 x 70 x 40mm
Power factor	0.95	
Input voltage	100-240V	
Current output	0 - 3.15A	0 - 6.3A
Voltage output	24VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CV VOLTAGE

IP67

Drivers non-coverable

Constant current drivers

MINI350mA IP65 mains driver
MINI700mA IP65 mains driver

	Mini 350mA	Mini 700mA
Type	Constant current	
Max power output	4W	
Dimmable	No	
Size	38 x 27 x 21mm	
Power factor	0.4	
Input voltage	100-240VAC 50/60Hz	
Current output	350mA	700mA
Voltage output	3 - 12VDC	3 - 6VDC
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CC CURRENT

IP65

SE-9-350-700 9W 350, 400, 450, 500, 550, 600, 650, 700mA, dimmable mains driver

Type	Constant current
Max power output	9W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	350-700mA in 50mA increments
Voltage output	2 - 12V at all currents
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-12-100-400 12W 100, 150, 200, 250, 300, 350, 400mA, dimmable mains driver

Type	Constant current
Max power output	12W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	100-400mA in 50mA increments
Voltage output	9 - 42V at 100-250mA 9 - 40V at 300mA 9 - 34V at 350mA 9 - 30V at 400mA
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-15-350-700 15W 350, 400, 450, 500, 550, 600, 650, 700mA, dimmable mains driver

Type	Constant current
Max power output	15W
Dimmable	Yes TE
Size	111 x 35 x 20mm
Power factor	0.9
Input voltage	220-240 50/60Hz
Current output	350-700mA in 50mA increments
Voltage output	9 - 42V at 350mA, 9 - 37.5V at 400mA 9 - 33V at 450mA, 9 - 30V at 500mA 9 - 27V at 550mA, 9 - 25V at 600mA 9 - 23V at 650mA, 9 - 21.5V at 700mA
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

SE-40-300-1050 40W 300–1050mA, dimmable mains driver

Type	Constant current
Max power output	40W
Dimmable	0-10V (1-10V PWM/RX)
Size	141 x 40 x 23mm
Power factor	>0.95
Input voltage	115Vac/230Vac
Current output	300-1050mA
Voltage output	9-42VDC at 300-952mA 953-1050 see spec sheet on website for voltage curve details
Ambient temps (ta)	-20 to +45°C
Max temp (tc)	90°C

CONSTANT CC CURRENT

IP20

Scan to view website

DC–DC Constant current drivers

Step down only

LDD-350LW 9-36 VDC input – 350mA CC output
LDD-700LW 9-36 VDC input – 700mA CC output

	LDD-350LW	LDD-700LW
Type	Constant current	
Max power output	11.2W	22.4W
Dimmable	Yes via PWM	
Size	22 x 10 x 9mm	
Power factor	n/a	
Input voltage	9-36VDC	
Current output	350mA	700mA
Voltage output	2 - 32VDC Step down only output volts = input volts – 3V	
Ambient temps (ta)	-40 to +70°C	

CONSTANT CC CURRENT

IP67

Step down / Step up

SLDC-150-DP 9-36VDC input – 150mA CC output
SLDC-220-DP 9-36VDC input – 220mA CC output
SLDC-300-DP 9-36VDC input – 300mA CC output

	SLDC-150-DP	SLDC-220-DP	SLDC-300-DP
Type	Constant current		
Max power output	6W	8.8W	12W
Dimmable	Yes via PWM		
Size	32 x 20 x 12mm		
Power factor	n/a		
Input voltage	9-36VDC		
Current output	150mA	220mA	300mA
Voltage output	2 - 40VDC		
Ambient temps (ta)	-40 to +70°C		

CONSTANT CC CURRENT

IP67

Constant voltage drivers

Q4-12V-20W 20W 12VDC power supply

Type	Constant voltage
Max power output	20W
Dimmable	No
Size	113 x 44 x 28mm
Power factor	0.8
Input voltage	220-240VAC 50Hz
Current output	00 - 1.7A
Voltage output	12VDC
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C

CONSTANT CV VOLTAGE

IP20

SLDV-12V-40W 40W 12VDC power supply
SLDV-12V-75W 75W 12VDC power supply

	SLDV-12V-40W	SLDV-12V-75W
Type	Constant voltage	
Max power output	40W	75W
Dimmable	No	
Size	176x58 x30.5mm	186x64 x39mm
Power factor	0.95	
Input voltage	100-240V	
Current output	0.3 - 3A	0 - 6.25A
Voltage output	12VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CV VOLTAGE

IP67

SLDV-24V-75W 75W 24VDC power supply
SLDV-24V-150W 150W 24VDC power supply

	SLDV-24V-75W	SLDV-24V-150W
Type	Constant voltage	
Max power output	75W	150W
Dimmable	No	
Size	186 x 64 x 39mm	191 x 70 x 40mm
Power factor	0.95	
Input voltage	100-240V	
Current output	0 - 3.15A	0 - 6.3A
Voltage output	24VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CV VOLTAGE

IP67

Drivers

Control system drivers

SLiC-640E Casambi Evolution Driver 220mA
tunable white / dimming mains driver combo

	SLiC-640E-MA1	SLiC-640E-MA2
Type	Constant current, wire terminals	
Insulation coverable	Yes	No
Max power output	7.2W	12W
Dimmable	Yes	
Size	129 x 52 x 22mm	
Power factor	0.95	
Input voltage	100-240VAC 50Hz	
Current output	100, 150, 180mA	220, 260, 300mA
	selectable	
Voltage output	15 - 40VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CC CURRENT

IP20

IE-12D 12W 180-500mA DALI
dimming mains driver

Type	Constant current, wire terminals
Max power output	12W
Dimmable	DALI-2 1-100%
Size	119 x 52 x 22.5mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	180mA - 500mA
Voltage output	Varies. See website.
Ambient temps (ta)	-25 to +50°C
Max temp (tc)	80°C

CONSTANT CC CURRENT

IP20

IEM-12D 12W 150-500mA DALI
tunable white / dimming mains driver

Type	Constant current, wire terminals
Max power output	12W
Dimmable	DALI-2 1-100%
Size	119 x 52 x 22.5mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	150mA - 500mA
Voltage output	Varies. See website.
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C

CONSTANT CC CURRENT

IP20

Marine drivers

SLPA-260A-D1-A-M driver with WAGO connector

Type	Constant current, WAGO connector
Max power output	12W
Dimmable	1-10V + PWM
Size	103 x 53 x 38mm
Power factor	0.95
Input voltage	100-240VAC 50Hz
Current output	260mA
Voltage output	15-40VDC
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C

CONSTANT CC CURRENT

IP20

SLPA-MA1-D1-B-M driver with wire terminals
SLPA-MA2-D1-B-M1 driver with wire terminals

	SLPA-MA1-D1-B-M	SLPA-MA2-D1-B-M1
Type	Constant current, wire terminals	
Insulation coverable	Yes	No
Max power output	7.2W	12W
Dimmable	1-10V + PWM	
Size	129 x 52 x 22mm	
Power factor	0.95	
Input voltage	100-240VAC 50Hz	
Current output	100, 150, 180mA	220, 260, 300mA
	Factory & customer selectable	
Voltage output	15 - 40VDC	
Ambient temps (ta)	-20 to +50°C	
Max temp (tc)	80°C	

CONSTANT CC CURRENT

IP20

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Drivers insulation coverable

Switch Lighting drivers are all independent of the luminaire so they run cooler and more reliably. Reliability is also enhanced with their MOV surge protection and they are designed to be fully covered with insulation. Switch Lighting drivers also include an earth loop terminal and larger terminals that make installation quicker and easier.

These insulation coverable, phase-cut dimming drivers are included with Switch Lighting downlights (not available for separate sale).

SL102D 4W 100mA dimming mains driver

Type	Constant current
Max power output	4W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	100mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

SL152D 6W 150mA dimming mains driver

Type	Constant current
Max power output	6W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	150mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

SL182D 7.2W 180mA dimming mains driver

Type	Constant current
Max power output	7.2W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	180mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

SL222D 9W 220mA dimming mains driver

Type	Constant current
Max power output	9W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	220mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

SL262D 10W 260mA dimming mains driver

Type	Constant current
Max power output	10W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	260mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

SL302D 12W 300mA dimming mains driver

Type	Constant current
Max power output	12W
Dimmable	Yes - trailing edge / leading edge
Size	130 x 45 x 28mm
Power factor	0.95
Input voltage	220-240VAC 50/60Hz
Current output	300mA
Voltage output	20-40V
Ambient temps (ta)	-20 to +50°C
Max temp (tc)	80°C
MOV included	Yes
Earth loop provided	Yes

CONSTANT CC CURRENT

IP20

Scan to view website

LED Protector

- Protect individual constant current circuits up to 350mA or up to 700mA
- Detect a problem in less than 2ms and trip to protect your LEDs
- Has a warning light to indicate a problem has been detected
- Are easily reset by simply cycling the power once the problem is corrected
- Can be installed anywhere in a constant current circuit to protect all LEDs in that circuit.

SLP350
SLP700

Ultra fast, resettable, series connected electronic fuse

The LED protector protects your LED lights from wiring and power failure hazards that can result from:

- Environmental hazards (e.g. flooding, exposure to corrosive environments (salt air) or humidity)
- Wiring damage (e.g. corrosion, fatigue, accidental or animal activity)
- Improper power supply (e.g. over current, power surges or dips)
- Defective workmanship and improper installation.

Protector	SLP350	SLP700
Max forward voltage	60V	60V
Max reverse voltage	60V	60V
Normal LED operating current	350mA	700mA
Over current trip threshold	<550mA	<900mA
Time to trip during fast surge	<0.5 ms	<0.5ms
Typical fault energy/3V LED during surge	<10mJ	<10mJ
Power dissipated during normal operation	<0.45W	<0.9W
Trip fault indicator	RED LED	RED LED
Max fault current once tripped (@60V)	15mA	15mA
Driver to luminaire connection	tinned wire	tinned wire
Size	25 x 25 x 15mm	25 x 25 x 15mm
IP Rating	IP64	IP64

LED Tester

- Testing for reverse connections
- Testing for short circuits
- Testing for open circuits
- Auto-off when not in use
- Powered by 3 x AAA batteries (included)

SLAT301

Safely test any LED installation (2-39V)

Once LEDs are installed but prior to driver connection, use the LED Tester to ensure all connections have been made correctly during installation. If a faulty connection is present, the LED tester will identify it and save the LED from failure, also saving you subsequent time and replacement costs.

It is also a great fault diagnostic tool to determine whether a non-working LED is due to a faulty driver or a faulty luminaire. This is a very useful tool for use in the workshop and in customers' homes to identify a fault and identify the correct replacement component.

Max LED test forward voltage	39V
Min LED test voltage	2V
Normal LED test current	5mA
Open circuit detection threshold	>39V
Short circuit detection threshold	<1.5V
On time before automatic turn off	120 seconds
LED indicator: Green Red Flash Red Flash Red-green	Test ok Short circuit (<1.5V) Open circuit (>39V) Replace battery
o/p connections (included)	crocodile clips (red/black)
IP Rating	IP20
Battery life (3x AAA batteries included)	Approx 50 hours of use