


### Product range

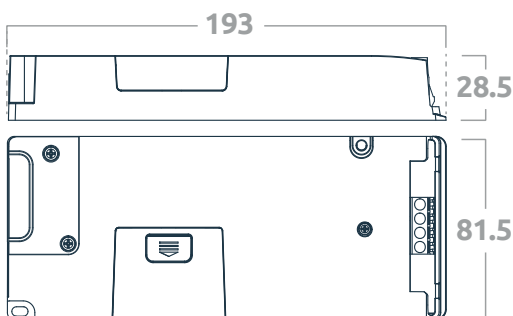
Order code	Connector	Emergency duration	Smart sensor	Smart switch	Tunable white (DT8)
zc-smart-driver-dc-em-40	Screw	60 min	Yes	Yes	Yes
zc-smart-driver-dc-40	Screw	Non-EM	Yes	Yes	Yes

### Safety information

- This product must only be installed by a licensed electrician.
- Before commencing installation or servicing turn off and isolate all supply circuits.
- Risk of accidental contact with live parts. Do not energise with product open or disassembled.
- This driver is suitable for use in luminaires for high-risk task area lighting.
- The battery circuit and supply are separated by reinforced insulation.
- Wiring diagram and control terminals labelled DA DA and supply separated by basic insulation.
- Models marked with symbol  indicate that the control gear is intended for built in applications and provides double or reinforced insulation.
- **WARNING:** FELV terminals marked "Risk of electric shock" are not safe to touch".
- **WARNING:** Circuits connected to any FELV control terminal shall be insulated for the LV supply voltage of the control-gear and any terminals connected to the FELV circuit shall be protected against accidental contact.
- This driver is suitable for indoor use.

### Dimensions

<b>Dimensions</b>	193 / 28.5 / 81.5 mm	<b>Mounting centres</b>	150 mm
<b>Mounting options</b>	Independently mounted control for surface mounting		

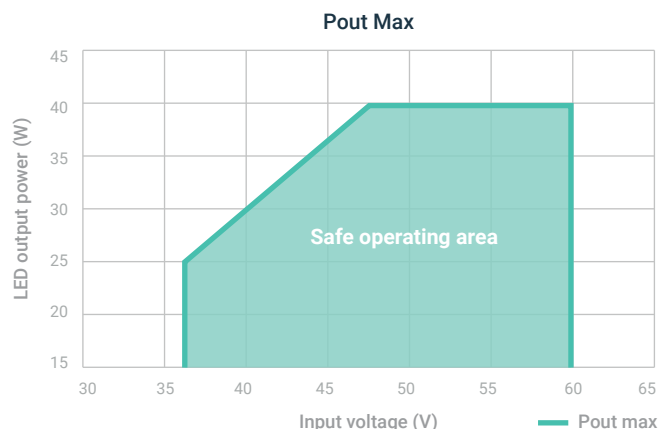


### Automatic test facility

Automatic and self test facility operates per the requirements of IEC62386-202

### Specifications

<b>Supply voltage</b>	36V - 60V 0Hz	
<b>Control system</b>	DALI / DALI-2	
<b>Wiring</b>	Screw	
<b>Material</b>	PC body	
<b>Operating temperature</b>	0 to 50°C	
<b>Classification</b>	Class III	
<b>Ingress protection</b>	IP20	
<b>Duration</b>	60 min	
<b>Battery</b>	<b>Type</b>	LiFePO <sub>4</sub>
	<b>Temperature</b>	60°C
	<b>Input/ output voltage</b>	4.5 - 7.5 V
	<b>Input current</b>	0 - 1.75 A
	<b>Output current</b>	0 - 300 mA
<b>Charge</b>	<b>Type</b>	Smart
	<b>Time</b>	16 hours
	<b>Operation</b>	Multi-state
<b>Output power rating</b>	<b>Output voltage</b>	9 - 39 V
	<b>Total</b>	40 W
	<b>Per channel</b>	0 - 40 W
	<b>Emergency operation</b>	Dependent on model



### Emergency specifications

Models	Duration	Battery	Emergency power	Battery supply current at 6.4V
zc-smart-driver-dc-em-40	60 min	3000mAh	6000mW	TBD

### Notice



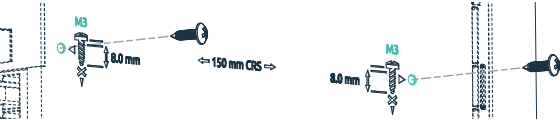
For more information  
on compliant software  
see our website  
[zencontrol.com](https://zencontrol.com)

Installation

Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, **do not** install the product. Please pack it back into its box and return it to the place of purchase for replacement.

If the product is satisfactory, proceed with the installation:

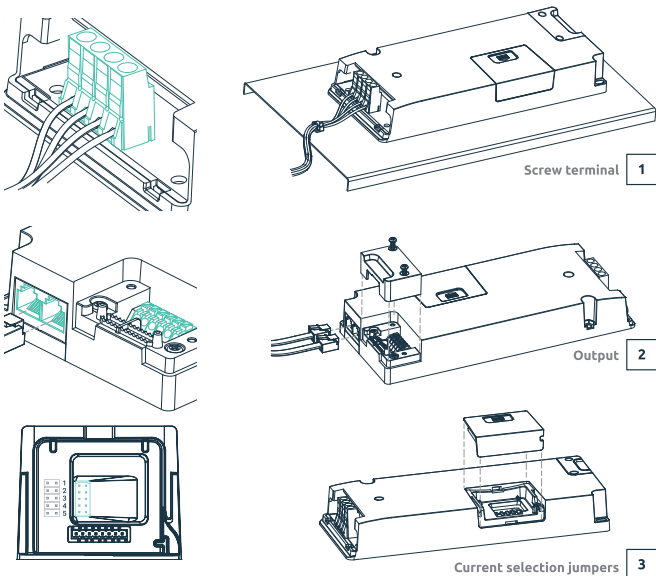
- 1
- Ensure safety warnings are adhered to.
- 2A
- Separated mounting:** Wire as per instructions below and ensure provided battery and LED cable integrated strain relief and cover is installed.
- 2B
- Inbuilt mounting:** Mount driver on flat surface using blunt nose plastic thread forming M3 screws into marked screw bosses. Ensure screw engagement is less than 8 mm
- OR
- Mount driver on flat surface using M4 nut and bolt mounting holes on diagonal corners.



Wiring

The driver is suitable for both field mount and inbuilt installation. See the **Wiring overview** below and **Wiring diagrams** to the right.

- a
- The driver provides large cage clamp screw terminals, as per **fig 1**.
- b
- For output power and current selection jumpers see **fig2** and **fig3**



Accessory range

Order code	Description
zc-batt-3000mah	3000 mAh, 2 cell, LiFePO <sub>4</sub> battery
zc-pir-5m-p	5 m plug-in PIR and lux sensor
zc-pir-8m-p	8 m plug-in PIR and lux sensor
zc-em-kit	Emergency upgrade kit

Output current / power table

LED current	Uout	LED power	Uout	2	3	4	5
400 mA	24 - 39	10 W	9 - 39	×	×	×	×
450 mA	24 - 39	12 W	10 - 39	×	×	×	■
500 mA	21 - 39	13 W	11 - 39	×	×	■	×
550 mA	18 - 39	15 W	12 - 39	×	×	■	■
600 mA	15 - 39	17 W	14 - 39	×	■	×	×
650 mA	15 - 39	20 W	15 - 39	×	■	×	■
700 mA	15 - 39	22 W	18 - 39	×	■	■	×
750 mA	15 - 39	24 W	20 - 39	×	■	■	■
800 mA	15 - 39	26 W	22 - 39	■	×	×	×
850 mA	12 - 39	28 W	24 - 39	■	×	×	■
900 mA	12 - 39	30 W	24 - 39	■	×	■	×
950 mA	12 - 39	32 W	26 - 39	■	×	■	■
1000 mA	12 - 39	34 W	28 - 39	■	■	×	×
1050 mA	12 - 39	36 W	30 - 39	■	■	×	■
1100 mA	12 - 39	38 W	32 - 39	■	■	■	×
1150 mA	12 - 39	40 W	32 - 39	■	■	■	■
Constant current mode	1	■	Constant power mode	1	×	■On	×Off

Wiring diagrams

