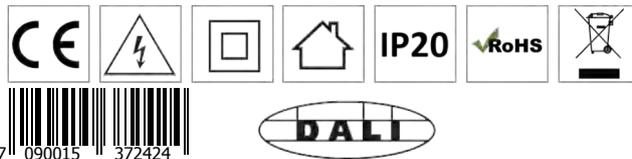
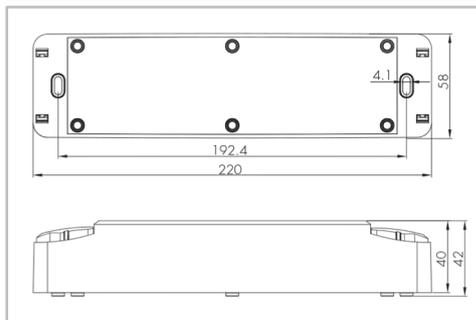


El nr	32 173 75
Article nr	396175
EAN	7090015372424



### Tekniske data

Spenning	230VAC 50/60Hz
Mains current	0,4~0,35A
Output power	75W Max
Output current	3,125A Max
Output voltage	24V
Power factor (PF)	≥0,97
Efficiency	≥88%
Omgivelsestemp	-20°C - 45°C
Levetid	50 000 timer



### Dimmetype

Type	DALI/1-10V/ Push-Dim
------	----------------------

### Beskyttelse

Isolasjonsklasse	Klasse II
IP-grad	IP20

### Materialer og overflater

Armaturhus	Plastic
Farge	Hvit

### Energi og godkjenning

Godkjenning	CE, Semko, CB, RoHS
EMC	EN 55015, EN 61547, EN 61000-3-2, EN61000-3-3
Safety standard	EN 61347-1, EN 62493, EN 61347-2-13
DALI standard	IEC 62386-101, IEC 62386-102, IEC 62386-207

### Montering/Tilkobling

Montering	Utenpåliggende
Kobling	Hurtigklemmer

### Dimensjoner (mm)

Lengde (L)	220 mm
Bredde (W)	58 mm
Høyde (H)	42 mm
Vekt	0,54 kgs

### Forpakning

Eske dimensjon	222x60x44 mm
Eske Vekt	0,56 kgs
Kartong Dimensjon	455x280x210 mm
Antall/Kartong	24 stk
Kartong Vekt	15 kgs

**DALI LED Drivers (With System Feedback)**

Constant Voltage Version - DALI/1-10V/Switch-Dim



**Applications**

Ideal for use with 'plug n' play' or DALI broadcast master.

Fully addressable DALI systems

Switch-Dim

1-10V Dimming Systems

Suitable for LED strip and low voltage spot lamps - insulated terminal cover with cord restraint:

- Office / Commercial Lighting
- Domestic / Decorative
- Retail & Display
- Hotels

Use for retrofit upgrades & new luminaire designs.

**Features**

- with DALI feedback
  - 1-10V
  - Switch-Dim with Synchronization
  - Active PFC Design
  - Configurable Constant Voltage (CV) Output
  - Logarithmic Dimming Curve
  - Linear Dimming
  - Thermal Cut-out Protection
  - Short Circuit Protection
  - Over-load Protection
  - Permanent Settings Memory, Protected against Loss of Power
  - 5 Year, 50,000hr Warranty
- } All with Auto-restart



**DALI Group Selection**

DALI group configuration can be done via software setting from PC or by hardware setting of the rotary switch on the driver.

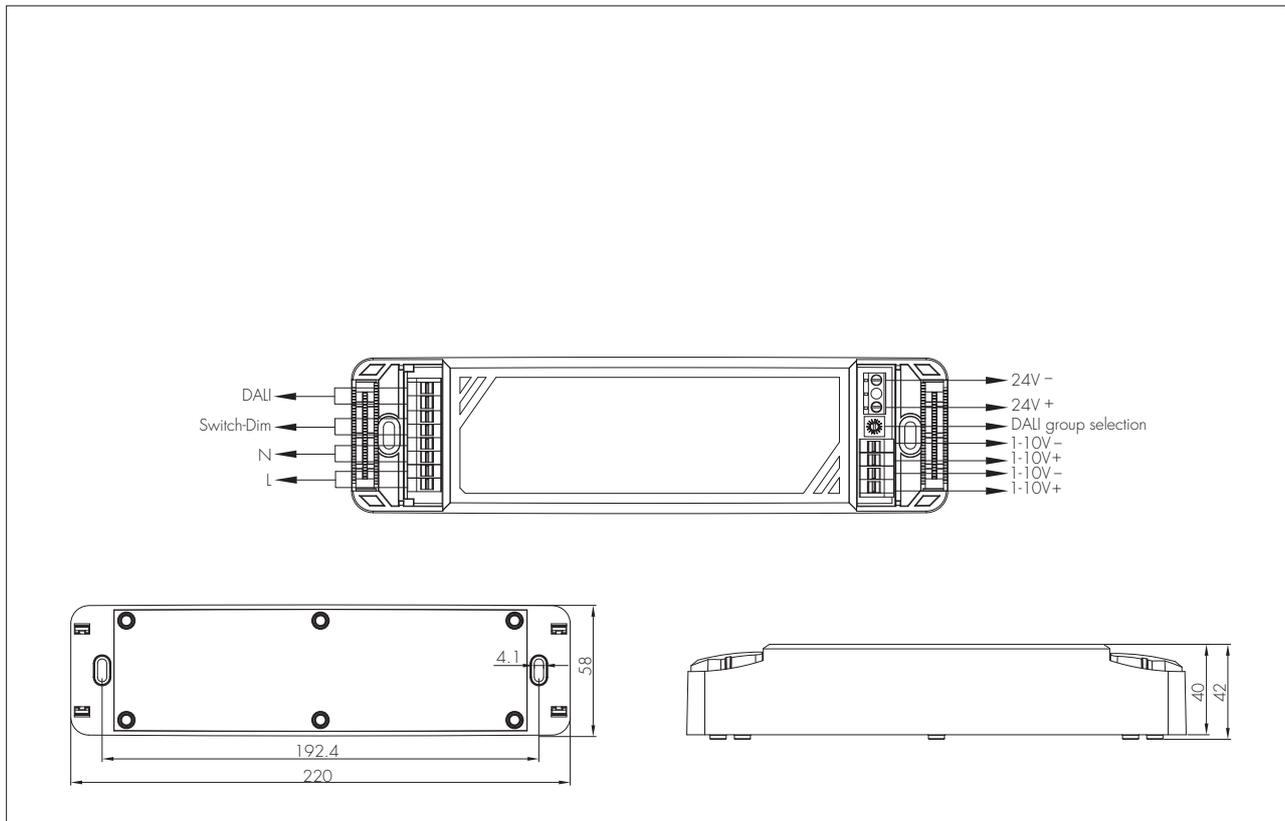
1. PC grouping can overwrite the rotary switch grouping and vice versa. The latest setting is always applied.
2. There are 16 channels available on the rotary switch. "0" means ungrouped. The rotary switch channel corresponds to the groups listed as below:

Switch Channel	DALI Group	Switch Channel	DALI Group
0	ungrouped	8	group 7
1	group 0	9	group 8
2	group 1	A	group 9
3	group 2	B	group 10
4	group 3	C	group 11
5	group 4	D	group 12
6	group 5	E	group 13
7	group 6	F	group 14

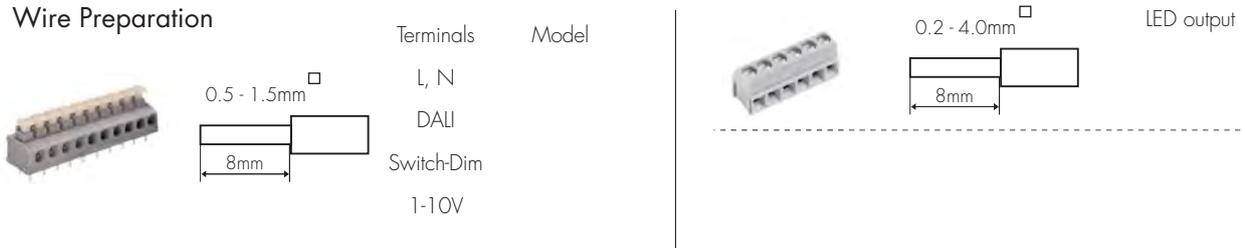
## Technical Data

Model No.					
Input	Mains Voltage	220~240VAC 50/60Hz			
	Mains Current				0.4~0.35A
	Power Factor				≥0.97
	Max. Efficiency	88%			
	Dielectric Strength	Input→Output : 3000VAC			
	Leakage Current	<0.25mA			
Output	Power (Max.)				75W
	Uout Max.				24V
	Turn-on Time				<0.5s
	Dimming Interface	DALI, Switch-Dim, 1-10V			
Environment	Operation Temp.				Ta: -20~+45°C
	Case Temp. (Max.)				85°C
	IP Rating				IP20
Safety and EMC	EMC Standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3			
	Safety Standard	EN61347-1, EN62493, EN61347-2-13			
	DALI Standard	IEC62386-101; IEC62386-102; IEC62386-207			
	Certifications	Semko, CB, RCM, CE, EMC			

## Dimensions and Terminals



## Wire Preparation



To make or release the wire from the terminal, use a screwdriver to push down the button.

## Loading and In-rush Current

Model				306175
In-rush Current (Imax.)				26.6 A
Pulse Time				400 $\mu$ s

## Number of Drivers Based upon 16A Circuit Breaker

Cct Breaker Type				306175
Type B				10

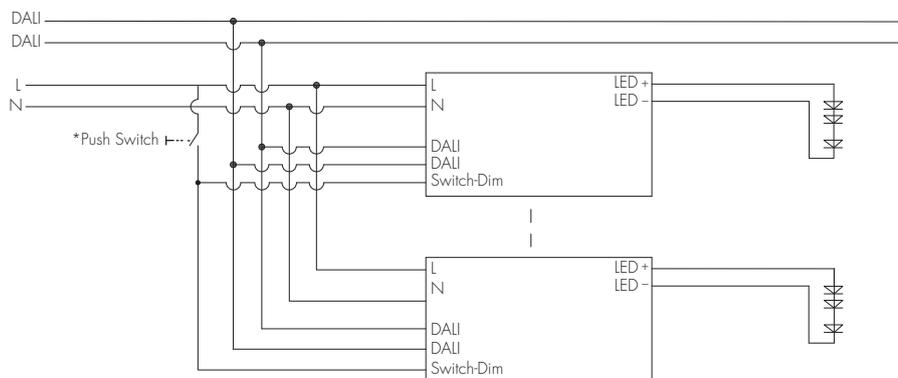
## Conversion table for max. quantities of drivers on other types of Miniature Circuit Breaker

MCB Type	Rating	Relative number of drivers	MCB Type	Rating	Relative number of drivers
B	16A	100% (see table above)	C	10A	104%
B	10A	63%	C	13A	135%
B	13A	81%	C	16A	170%
B	20A	125%	C	20A	208%
B	25A	156%	C	25A	260%

\* Environmental factors (such as temperature) will also influence the maximum number of the drivers. Please refer to the MCB manufactures datasheet for loading and derating factors.

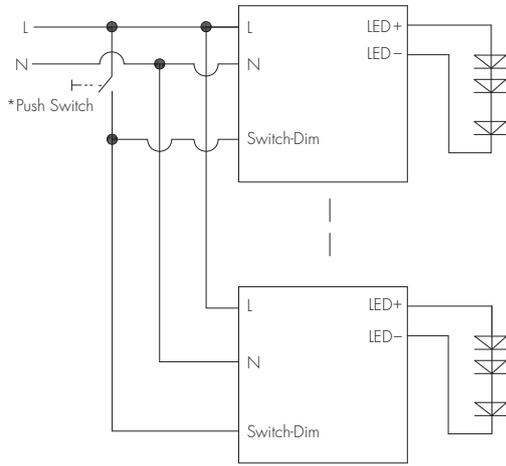
## Wiring Diagrams

### DALI Connections



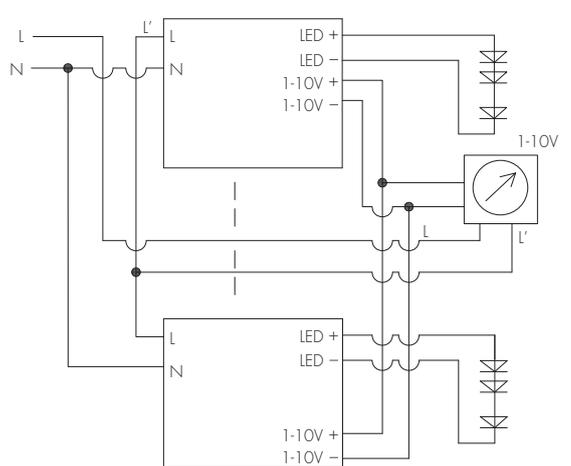
- \* Optional Switch-Dim for manual over-ride of DALI 1-10V is disabled upon DALI connection
- \* Unused terminals have been omitted for clarity.

### Switch-Dim Connections



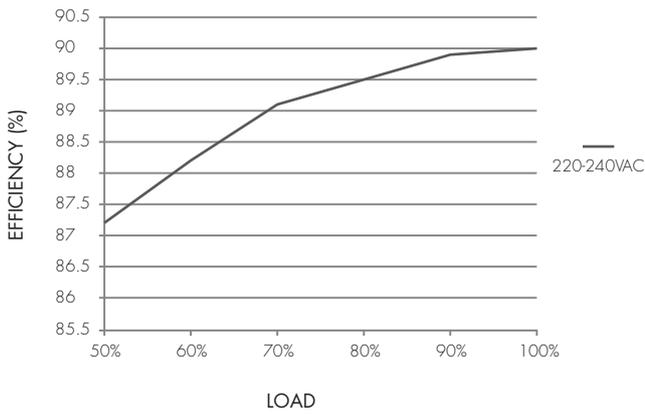
\* Unused terminals have been omitted for clarity.

### 1-10V Connections

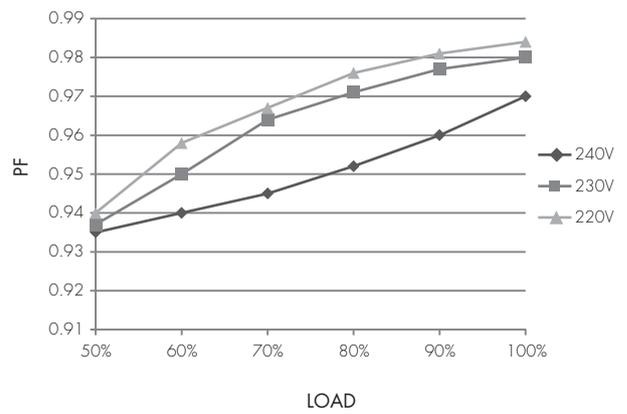


\* Unused terminals have been omitted for clarity.

### Performance Characteristics



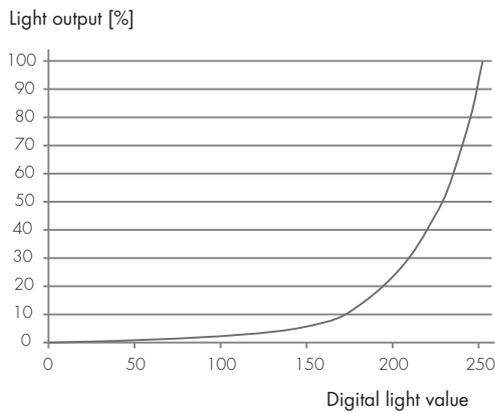
\* Typical Efficiency vs Load



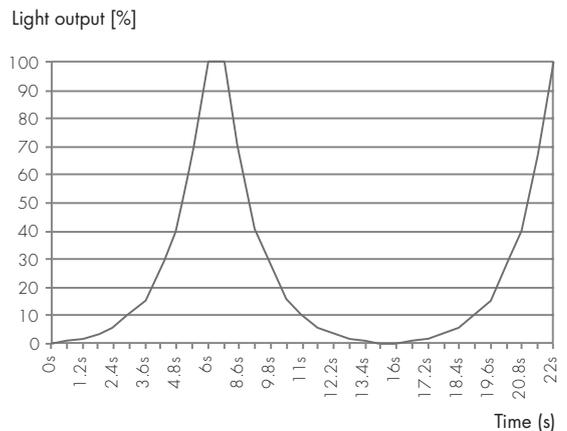
\* Typical Power Factor vs Load

### Dimming Characteristics

DALI Dimming Curve

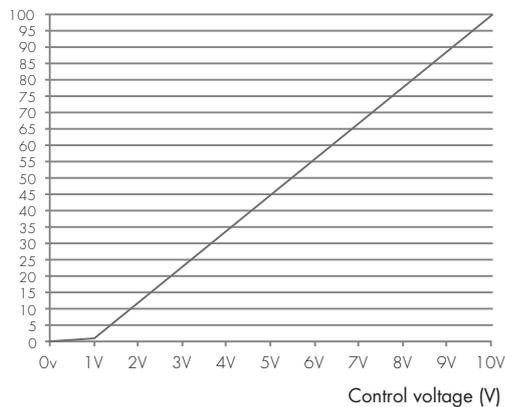


Switch-Dim Dimming Curve



## 1-10V Dimming Curve

Light output [%]



## Dimming Interface Operation Notes

### DALI

This series of products are supplied as DALI default group 0 and are 'plug n'play DALI' or 'independent DALI' system ready. These models are also fully DALI addressable and may be assigned to groups within the limits specified by the DALI protocol or supporting DALI controllers by using a DALI programming tool.

### Switch-Dim

The provided Switch-Dim interface allows a simple dimming method using commercially available non-latching (momentary) wall switches. Up to 64 LED drivers may be connected to one switch. The Switch-Dim interface may also be used at the same time as DALI to serve as a manual override.

#### Switch Action

Short press (<0.4 second)

Note: short press has to be longer than 0.1s, or it will be invalid.

Long press (>0.4 second)

#### Response

Toggle light on / off

Toggle dim light / increase brightness

#### Synchronization

Switch Action

Long press (>1.5 seconds)

#### Response

All lights will dim down to minimum then return to 50% brightness

\* We recommend the number of drivers connected to a switch does not exceed 25 pieces. The maximum length of the wires from push to driver should be no more than 20 meters.

## 1-10V

The 1-10V input is operable via commercially available simple rotary wall switches designed for 1-10V dimming equipment or from dedicated system central dimming controllers.

Note: In the unlikely event that the LED driver be used with the Switch-Dim or DALI interface prior to using the 1-10V interface, the 1-10V interface may need to be re-set. This is achieved by placing a short circuit across the 1-10V terminals until the light returns to full brightness (approx. 3-5 seconds).