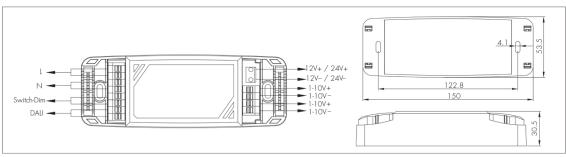
FDV DOKUMENT



Cobra CV 24V 30W DALI/1-10V/Switch DIM 32 173 30 / 396130







Art nr	El nr	Produktnavn	A	Lysytelse	DIM	System eff	CRI	Lys farge	IP	Farge
396130	32 173 30	Cobra CV 24V 30W DALI/Push DIM				30W			20	Hvit

	Mains Voltage	220~240VAC 50/60Hz
	Mains Current	0.165~0.15A
Input	Power Factor	≥0.95
	Max. Efficiency	88%
	Dielectric Strength	Input→Output : 3000VAC
	Leakage Current	<0.25mA
Output	Power (Max.)	30W
	Uout Max.	24V
	Turn-on Time	< 0.5s
	Dimming Interface	DALI, Switch-Dim, 1-10V
	Operation Temp.	Ta:-20~+45℃
Environment	Case Temp. (Max.)	75℃
	IP Rating	IP20
	EMC Standard	EN55015, EN61547, EN61000-3-2, EN61000-3-3
Safety	Safety Standard	EN61347-1,EN62493,EN61347-2-13
and EMC	DALI Standard	IEC62386-101; IEC62386-102; IEC62386-207
	Certifications	Semko, CB, RCM, CE , EMC



IPAS AS

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





Switch-Dim with Synchronization



Hybrid Flicker-free Dimming (HED2075-A only)

Configurable Constant Voltage (CV) Output

Logarithmic Dimming Curve

Linear Dimming

Thermal Cut-out Protection

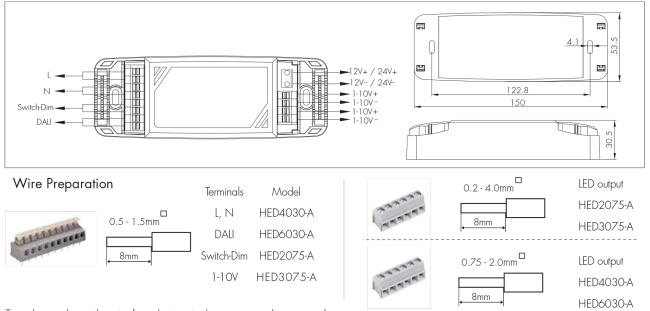
Short Circuit Protection All with Auto-restart

Over-load Protection

😰 Permanent Settings Memory, Protected against Loss of Power

🧐 5 Year, 50,000hr Warranty





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

Loading and In-rush Current

Model	HED6030-A			
In-rush Current (Imax.)	2.8 A			
Pulse Time	70 µs			

Number of Drivers Based upon 16A Circuit Breaker

Cct Breaker Type	HED6030-A
Туре В	60

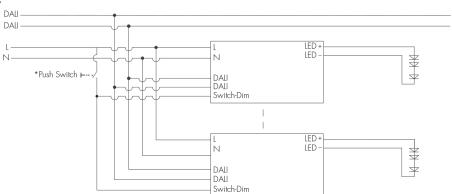
Conversion table for max. quantities of drivers on other types of Miniature Circuit Breaker

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

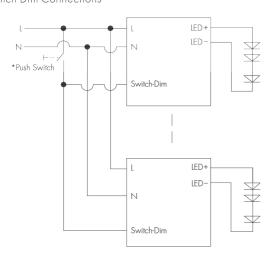
Wiring Diagrams

DALI Connections



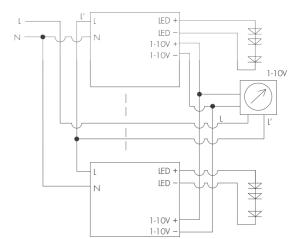
- * Optional Switch-Dim for manual over-ride of DALI 1-10V is disabled upon DALI connection
- * Unused terminals have been omitted for clarity.

Switch-Dim Connections



* Unused terminals have been omitted for clarity.

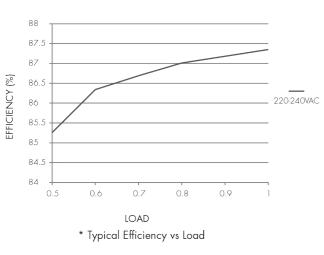
1-10V Connections

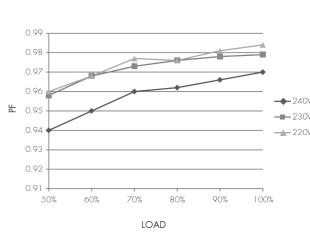


* Unused terminals have been omitted for clarity.

Performance Characteristics

HED6030-A

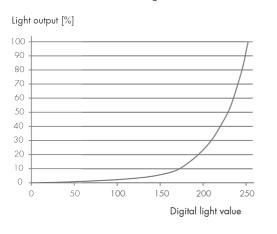




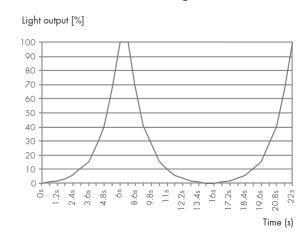
* Typical Power Factor vs Load

Dimming Characteristics

DALI Dimming Curve

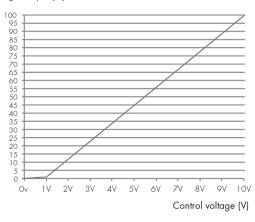


Switch-Dim Dimming Curve



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 maybe connected to one switch. The Switch-Dim interface may also be used at the same time as DALI to serve as a manual over-ride

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

Response

Long press (>15 seconds)

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).