



Caret

Squirrel Cage

Delivering an extra warm light, the CARET lamp is an ideal retrofit solution for the Edison Squirrel Cage Lamp, which will be phased out. Due to 1:1 bulb replacement no electrical modifications are required.

It is particularly suited for use in both classic and modern fixtures, where the lamp is prominently visible at all times.

As the lamp is dimmable, it helps to create the desired atmosphere.

Recommended dimmer list

Manufacturer Brand	Type / Model	Load	Type Edge	Other	C0045.1 Revision 1	C0045.2 Revision 2
Berker	286610	20-500W	Leading	No min	6-10	5-10
Eltako	EUD 61NPN-UC	400W	Trealing	No min	1-10	1-10
Eltako	EUD 12Z-UC	400W	Trealing	No min	1-10	1-10
Gao	EF 700 DC	20-300W	Trealing	No min	1-7	1-7
Gira	2262 00/I01	20-500W	Leading	Min adj.	1-10	2-10
Gira	1184 00/I01	60-400W	Leading	No min	-	-
Gira	0305 00/I04	50-420W	Trealing	No min	2-10	2-10
Hager	EVN002	0-100W (CFL load)	Trealing	No min	1-10	1-10
Insta	59213	60-300W	Leading	No min adj.	1-4	1-4
Inter Bär	8114	20-200W	Leading	No min adj.	3-10	3-10
Jung	266GDE	60-600W	Leading	No min	2-10	2-10
Merten	5771	20-315W	Trealing	Adj?	1-7	1-7
Niko	310-013	60-300W	Leading	No min	2-7	2-7
Niko	310-01901	5-200W* (CFL load)	Trealing	Min+setting	1-10	1-10
Niko	330-00700	5-200W* (CFL load)	Trealing	Min+setting	1-10	1-10
Pera	T64	20-315W	Trealing	No min	1-7	3-7
Siemens	5TC8 256	50-400W	Leading	Min adj.	6-10	6-10
Sygonic	33595A	20-315W	Trealing	No min	1-7	2-7
Wintop	13212	50-300W	Leading	No min	6-7	6-7

	Dimmable, with min to max lamps
	Dimmable, but more humming with dimmer
	This configuration show undesirable behaviour
*	Recommended

NDF
SPECIAL LIGHT PRODUCTS

Remarks concerning dimming

- Read the entire manual carefully before installation and operation.
- The Caret with dimming feature works with most conventional dimmers for incandescent lamps or halogens. Please refer to the recommended dimmer list on previous page for further information.
- Certain dimmer switches may cause the Caret to flicker when it is illuminated below the "optimal minimum brightness level". The minimum dim level is reached when all the legs of the filament are still burning. The knob on the dimmer switch can be adjusted to prevent flickering. (Note: Certain dimmer switches are equipped with a potentiometer. The potentiometer is a small device to fine-tune the setting for the desired minimum light output of the lamp without flickering.)
- The manufacturer accepts no liability for any damage resulting from the misuse of the lamp or from when it is used with inappropriate equipment.
- Consult the dealer if there are any questions about this product.

Loading range

- Please pay attention to the minimum and maximum loads of the dimmer switch used.
- For the best dimming performance, the number of Carets connected should be within the minimum and maximum loads of the dimmer switch used.

Please see the following for the calculation:

MINIMUM load requirement

Calculation: Minimum load of dimmer switch $\times 1/6$ = Minimum wattage of lamp(s) required

For instance, if the minimum load of a dimmer switch is 60W, the minimum wattage for the total CFL connected should be at least 10W (60W $\times 1/6$)

The minimum load of the dimmer switch	Minimum wattage of the total Caret required	Minimum number of the Caret required
60 W	$60W \times 1/6 = 10 W$	$10W / 8W = 1,25$ pieces (i.e. 2 pieces)

The dimmable Caret may flicker if the total wattage of the Caret connected is below the minimum load of the dimmer switch.

MAXIMUM load requirement

Calculation: Maximum load of dimmer switch $\times 1/5$ = Maximum wattage of lamp(s) allowed

For instance, if the maximum load of a dimmer switch is 300W, the maximum wattage for the total CFL connected should be 60W (300W $\times 1/5$)

The maximum load of the dimmer switch	Maximum wattage of the total Caret required	Maximum number of the Caret required
300 W	$300W \times 1/5 = 60 W$	$60W / 8W = 7,5$ pieces (i.e. 7 pieces)

Malfunction or failure of the dimmer switch may occur if the total wattage of the Caret connected exceeds the maximum load of the dimmer switch.

NOTE: Do not mix revision 2 (C0045.2) with revision 1 (C0045.1) in the same luminaire