

skylight
LED

... bringt Ideen
ins Licht

Installation Manual

Skylight shop & office series

Cometa 0003



Application Areas

Retail stores for:

- + Food
- + Discounter
- + Drugstore
- + DIY
- + Elektronik
- + Fashion

Safety Instructions



- + Please make sure that the luminaires are only installed by skilled staff
- + Compliance with VDE 0100 safety regulation ensures that you do not have any hot parts during the installation. Anyway we recommend to switch off the complete system while working
- + Properly dispose of old lights when dismantling
- + Das Verpackungsmaterial der Cometa bitte sachgerecht entsorgen

General

With the Cometa line light, you have chosen a highly innovative product that is significantly different from other products on the market due to its design and functions. Therefore, please read this manual carefully and familiarize yourself with the special features of this product. This will ensure that you can really utilize the capabilities of the product. The manufacturer assumes no liability for damages and consequential damages caused by the fact that the products have not been installed in accordance to the specifications.

Please take care to:

- the contents of the data sheet and the installation manual
- attach the luminaires only in rooms that correspond to the specified degree of protection
- the maximum loads to be connected for the automatic fuse
- the predetermined ambient temperature span is $-20^{\circ}\text{C}...+50^{\circ}\text{C}$, an overshoot can have a negative impact on the LEDs

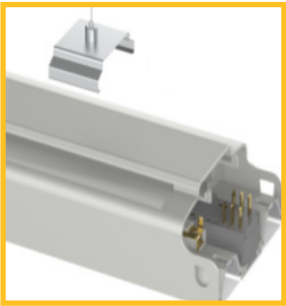
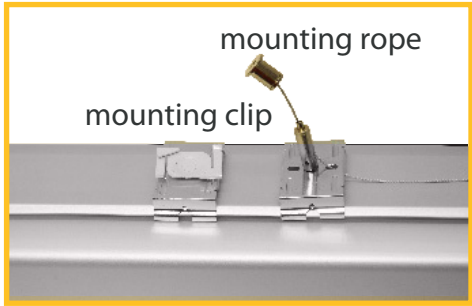
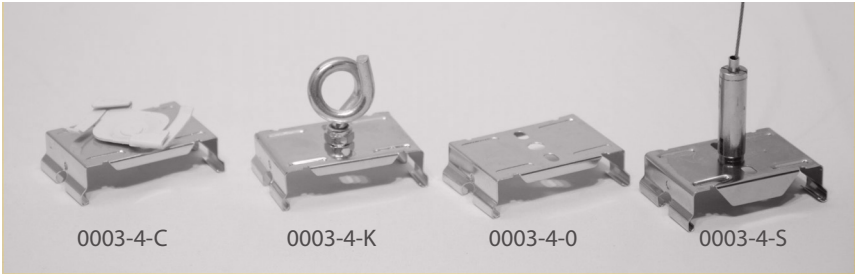
Application

The high-efficiency Cometa light strip system is mainly intended for use in retail store lighting.

1 Mechanical Fixing Options

On top of the aluminum profile, you can easily snap in the supplied mounting clips. There are 4 different options depending on the installation method available to you:

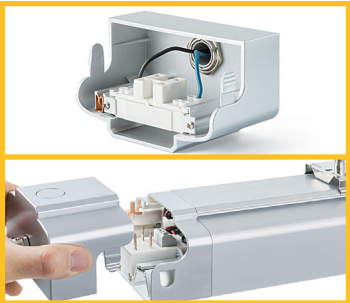
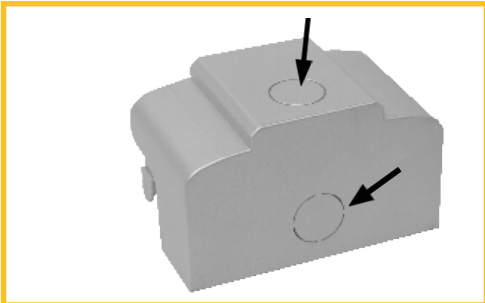
1. just with a hole to fix it directly to the ceiling	0003-4-0
2. with a safety eyelet to connect with a knot chain	0003-4-K
3. with a steel cable (standard length 2m) to hang from the ceiling	0003-4-S
4. with the mounting clip for directly to the rails of a panelled ceiling	0003-4-C



2

Electrical Connection

The connection cap is designed to provide the electrical connection. The connection cap has pre-spread cable entries from the top and alternatively from the side. You can open it as required. Insert and screw the supplied PG screw into the hole. Insert the cable and insert the bared ends into the spring clamps. For the usual wiring with 3 connected supply lines, the wire ends - according to their external wiring - are inserted into the respective labelled spring clamps. Please insert the safety wire (green/yellow) sideways into the separate spring clip. If necessary, you can simply remove the wires from the spring clamp by inserting a suitable screwdriver into the opening next to the respective wire. After you have properly connected the cap, simply snap it into the plug-in connection of the first lamp.



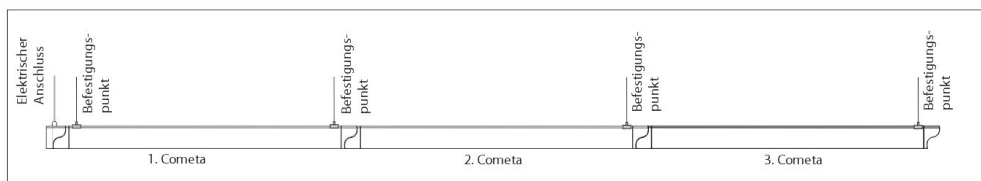
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Connection Module

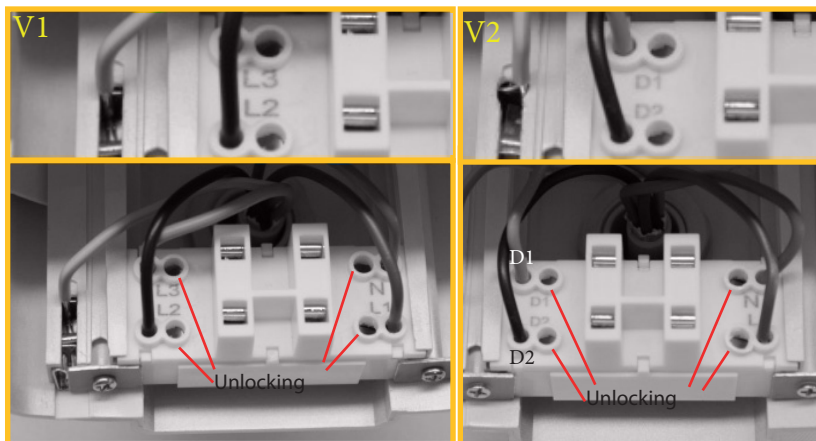
The Cometa has a one-piece profile. There are no trunks and separate luminaire modules to fit into the trunk.

The luminaires are connected to each other by a patented vertical coupling. This ensures the electrical connection from luminaire to luminaire and at the same time creates the necessary mechanical link of the luminaires. Simply snap in the follow up luminaire upwards into the coupling system of the previous lamp.

Please work particularly carefully when aligning the luminaires in terms of height and installation direction. Fixing points are required at the beginning and end of the first lamp. A fastening point must be attached to the next coupling on each subsequent lamp.



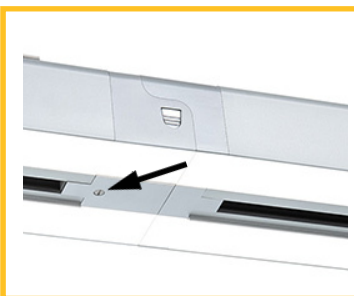
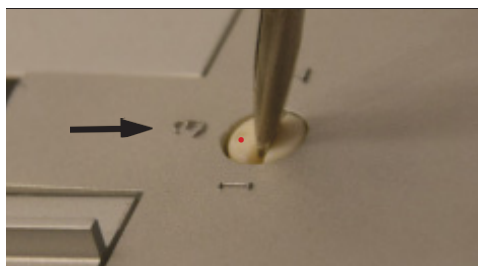
The Cometa has a maximum power consumption of 50W each. This allows you to easily connect up to 40 luminaires to a single connection cap. Please note the performance and type of the automatic fuse used and the number and power of the spotlights that you still want to use



4

Selection of the Phase

After the completion of the installation, you can comfortably decide to which of the 3 lines the particular line light element is to be connected. On the power entrance side of the Cometa is a small rotary switch located that can be accessed from below at any time. By turning this rotary switch you select which line this luminaire works on. The position of this rotary switch can vary from lamp to lamp. Please select the power for the spot lights directly at the adapter of the spot light.



5 Power Limitation

A special function of the Cometa is that you can set the power of the lamp for each power supply (adapter). This further optimizes the energy consumption of the installation. E.g. if the lighting simulation of the system will show a brightness of 900 Lux at the power of 50W, the required brightness is just at 600 lux, you use the rotary switch at the power supply to reduce the power consumption down to 24W minimum. This can be done independently on both sides of the luminaires.

The table of values:

switch position	1	2	3	5	4	6	7	8
power	25W	24W	22W	16W	20W	15W	14W	12W

ATTENTION: For technical reasons, the order of performance is not consistent descending. The values 20W and 16W are in reverse order!

NOTE: It is almost impossible to adjust when the lamp is switched on. It is too glaring. Either you switch off the entire line light or you set the phase selector of the particular lamp on a phase that is not switched on.



6 Troubleshooting / Service

While designing the Cometa system the future was also consistently considered. LED technology is also ageing and someday service will eventually become necessary. For this purpose, the Cometa has 10 individual modules in the inside, which can be changed separately. The two light sections of the Cometa each have their own power supply. This is connected to the first LED module and can be removed just as easily as the LED modules themselves.

a. Notes on Systematic Troubleshooting:

Problem	Cause	Measure
All luminaires do not work, the spotlights used also do not work	Power off	Turn power on.
In a line of luminaires light the first units are working but the light is off from a certain position.	Possible contact problems or not fully connected coupling.	Control the connection between the last working luminaire and the first not working luminaire next to it.
A single luminaire on Cometa does not work, the spotlights of the luminaire, however, work Properly	Phase selector is set to a wrong position.	Correct the position to the desired phase on the selector switch
	(unlikely) At both sides of the Cometa, the power supply modules have failed.	Replace both power supply modules
At one unit only one of the two light surfaces work on the luminaire	Power supply module defective	Replace the power supply module
On one side the luminaire works only partly	Contact problem between 2 Modules	Check the connection of the modules, if necessary, change the module(s)
Individual LEDs are not working correctly or are failing.	LED module defective	Replace the LED module

b. Type of Modules

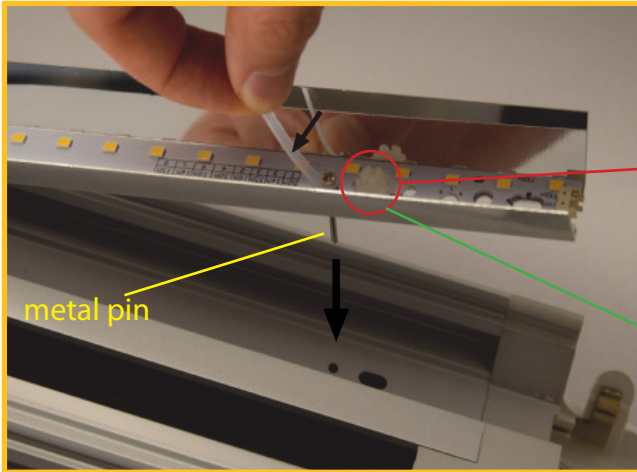
There are only a small number of modules in the Cometa.

Module	Order number	
Power supply module 25 W with DALI	S0003-N-KK-D	KK= 30 = 3.000 Kelvin KK= 40 = 4.000 Kelvin KK= 50 = 5.000 Kelvin
Power supply module 25 W without dimming	S0003-N-KK-0	
LED module center	S0003-L-KK-M	
LED module end	S0003-L-KK-E	
Connector	S0003-S-C	C =white = w C =silver = s
Connection coupling	S0003-K-C	
Opal glass cover	S0003-A-O	

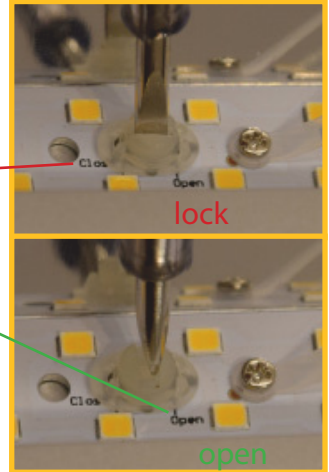
c. Module Replacement

All modules can be easily removed from the bottom of the luminaire. The LED modules only need to be unlocked and pulled out downwards. In order to facilitate positioning during reseating, the modules on the bottom have guide pins inserted into the holes provided for this purpose. Please make sure that the connectors on both sides are properly locked.

plastic shackle



lock



With the power supply module, of course, an additional connection to the power supply is required. When you remove the module, you have a plug-in connection on the back that goes from the phase selector switch to the power supply. Please disconnect it and plug them back in on the new power supply module later on.

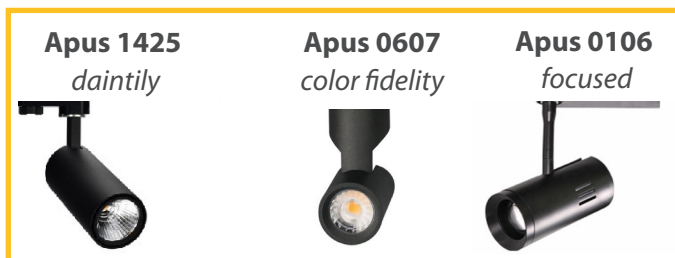
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3-Phase Track

Any standard 3-phase spot -light can be used with the standard Eutrac track.

Caution! If possible, do not use spotlights whose power supplies cover the light surfaces.

Spotlight for 3-phase track:



8 Data Sheet

Technical specifications

Luminous flux [lm] approx.	6.000
Color temperature [Kelvin] approx.	3.000, 4.000, 5.000
Dimmable (optional)	DALI- Dimmung, 1..10V Dimmung
Beam angle [°]	100
Nominal service life [h] approx.	> 50.000
Color rendering index approx.	> 85
Power supply [V~]	80 - 250
System power [W] ca.	50 (in Stufen am Netzteil reduzierbar)
Power factor [cosφ]	> 0,95
Switching cycles	> 1 Mio.
Switch-on delay [sec]	0,1
Electrical protection class	II
Ambient. during operation	-20 bis +55
Material	Aluminium, Kunststoff
Protection	IP 20
Dimension L x W x H (mm)	1.501 x 110 x 65
Net weight approx.	4,2 kg
Housing Color	Silber (Aluminium natur, RAL 9007)
Approvals	CE

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