



2011

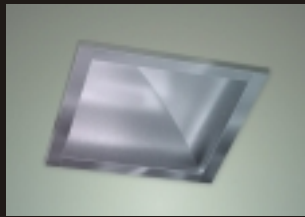
QUAD  
QUAD KONUS  
QUAD Cross Louvre  
QUAD-R AURA

# Square Downlights

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Narrow standard frame



Folded-over reflector



2-piece Changing frame

## Standard Downlights

Three different recessed downlights are available to meet diverse design requirements.

The particularly narrow standard frame is sharp-edged and flat.

The folded-over reflector covers a narrow recessed frame.

The Changing frame is a 2-piece system and consists of an easy-to-assemble base frame, which can adapt to take various accessories.





#### **Decorative Glasses** ▶ P. 88-91

Decorative ancillary glasses for QUAD downlights are available, mounted on an interchangeable frame or on a standard frame with 4 point fastening. These glasses are completely or partially frosted and equipped with an additional glare frame resulting in an unobtrusive ceiling brightness. An exact anti-glare reduction or even glare elimination can be achieved by diffusers and various optical accessories. The cover frame can be opened tool-free for easy cleaning and maintenance.



CF + glass type 20



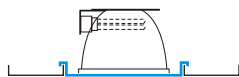
CF + opal pane/conus



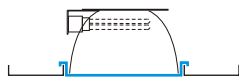
CF + glass type 22

# Square Downlights

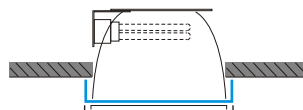
Modular plate for panel ceilings



Added-on modular plate

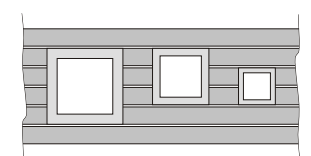
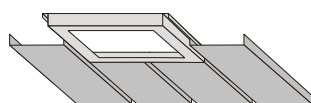


Frame for semi-recessed mounting



Before ordering please consult us for technical details.

Semi recessing only possible with Changing frame.  
Changing frame system ► P. 86



4-Field 3-Field 2-Field

## Modular Panels

The integration of recessed luminaires into panel ceilings M100 is made possible with modular panels. (Other ceiling systems on request.) The modular panels are mounted into the ceiling construction tool-free. The downlight is subsequently mounted into the ceiling section.

When using the added-on modular panels the luminaire frame is replaced by this modular panel. The luminaire cover frame is therefore made redundant.

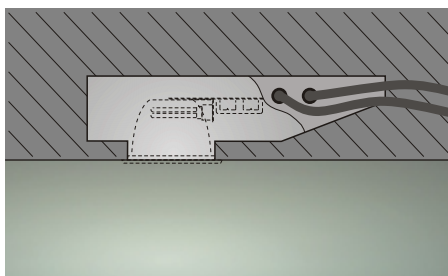
## Semi-Recessed Frame

Reduction of recessing height due to semi-recessing frame up to 40mm possible. Project related supply of appropriate tilting adaptors for recessed luminaires in slant ceilings possible.

				Frame size					
				145 x 145mm	190 x 190mm	220 x 220mm	255 x 255mm	310 x 310mm	
	Positioning tracks in pairs to strengthen ceiling panels	Article No.	Version						
		0905.145	DA 136 x 136	●					
		0905.190	DA 178 x 178		●				
		0905.220	DA 208 x 208			●			
		0905.255	DA 243 x 243				●		
	Cut-in frame	0905.310	DA 285 x 285					●	
		0995.190	DA 178 x 178		●				
		0995.220	DA 208 x 208			●			
		0995.255	DA 243 x 243				●		
		0995.310	DA 285 x 285					●	
	Modular panel for ceiling system panel 85/15	0901.145	2-Field DA 136 x 136	●					
		0901.190	3-Field DA 178 x 178		●				
		0901.220	3-Field DA 208 x 208			●			
		0901.255	3-Field DA 243 x 243				●		
		0901.310	4-Field DA 285 x 285					●	
	Frame for semi-recessed mounting	0900.190	DA 178 x 178	●					
		0900.220	DA 208 x 208		●				
		0900.255	DA 243 x 243			●			

### Concrete Housings

The use of concrete housings allows recessed-mounted luminaires to be harmoniously integrated into the ceiling. Special adaptations also enable specific stress requirements to be met. This includes extended concrete runs.



### Specification

Sturdy one-piece housing made of galvanized sheet-steel with a slanted concrete run. 2 to 4 entries for conduit. Attached throat can be extended as required. Maximum height 35mm. Fixing tabs for nail-fastening to the wooden formwork. When installing in bare concrete ceilings, fixing with internal centring discs must be provided. Please order separately.

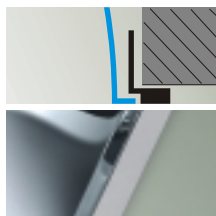
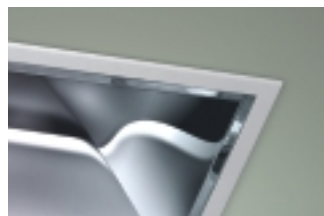


### Flat Concrete Housings

Article No. 0898.xxxx (whereby xxxx = luminaire Article no.)  
Can be used for standard downlights with a horizontal lamp position. Suitable for concrete ceilings and, when centring plates are used, for bare concrete ceilings.

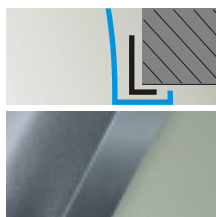
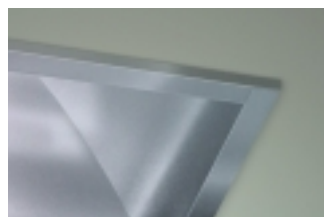
# Square Downlights

## Downlight Luminaire's Edge



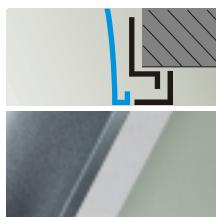
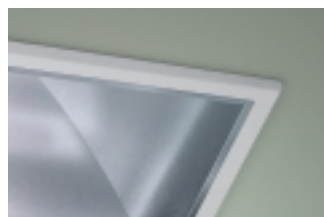
### Standard

Narrow luminaire conclusion frame in one piece. Recessed reflector rim, level with frame.



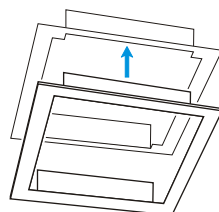
### Folded-over Reflector

Luminaire conclusion frame concealed (by the reflector rim) and therefore invisible.



### Changing Cover Frame

Changing frame system in 2 parts where the luminaire is supplied with a fixed frame. One separate cover frame (to be ordered separately) which is fastened by a spring lock. Suitable for subsequent mounting of optical accessories. Available for frame sizes in 145mm, 190mm, 220mm and 255mm.



To order the Changing frame system please mention "CF" as additional order detail.

► The optional Changing frame is not normally included, please order separately.

The covering frame can be mounted separately tool-free afterwards. This allows the mounting of luminaires at an early stage of site work.

## Downlight Colour Codes

- .-10 Brass
- .-11 Chrome
- .-20 made to RAL
- .-23 Silver C3
- .-26 RAL 9006
- .-31 White
- .-32 Matt white



CF for Glass Panes

The Changing frame can be inserted, either with IP protected, decorative or diffuser glasses. It can also be combined with add-on decorative glass parts.

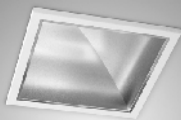
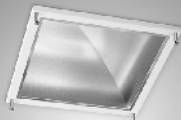
Various Covers for Various Tasks

Insertion panes made of diverse materials in various surfaces. Whether satin-frosted or opal for spreading light, an even and soft light is always given. Also in glass or acrylic version for protection. All insertion panes offer protection against splash-ing water, thereby attaining protection class IP43 from the underside when mounted into a closed ceiling system. Also suitable as theft and vandalism protection.

► To specify the luminaire size, replace the placeholders .xxx with the frame size.

Ordering example:

Changing frame for open downlight with frame size of 220 would be:  
Art. No.: 0150.220.12

				Version											
		Article No.	Version												
	Changing frame for open downlight	0150.xxx-.12	Standard												
	Changing frame to fix glass accessories	0150.xxx-.13	Glass fixing bolt, chrome												
		0150.xxx-.14	Glass fixing bolt, brass												
		0150.xxx-.15	Glass fixing bolt, lacquered												

# Square Downlights - Glasses



QUAD CF IP43 protection pane either in opal, satin-frosted or clear

► To specify the luminaire size, replace the placeholders .xxx with the frame size.

**Ordering example:**  
Changing frame with IP43 protection pane with frame size of 220 would be:  
Article No.: 0160.220.20

				Version											





#### QUAD CF Partially-frosted

Changing frame with permanently fitted security glass, fully etched on one side. To conceal the lamp, one side of the glass pane is additionally frosted in the centre.

► To specify the luminaire size, replace the placeholders .xxx with the frame size.

#### Ordering example:

Changing frame with IP43 protection pane with frame size of 220 would be:  
Article No.: 0188.220.20

		Article No.		Version		Version				
						Partially-frosted in centre	Partially-frosted at edge	Chrome	White	Made to RAL
	CF with IP43 protection pane clear, partially-frosted in centre	0188.xxx-.20	Float glass, clear			●		○	●	○
		0189.xxx-.20	Hardened security glass, clear			●		○	●	○
	CF with IP43 protection pane clear, partially-frosted at edge	0178.xxx-.20	Float glass, clear				●	○	●	○
		0179.xxx-.20	Hardened security glass, clear				●	○	●	○
	CF with IP43 protection pane satin-frosted, partially-frosted in centre	0168.xxx-.20	Float glass, satin-frosted			●		○	●	○
		0169.xxx-.20	Hardened security glass, satin-frosted			●		○	●	○



### QUAD CF Diffuser + Cone

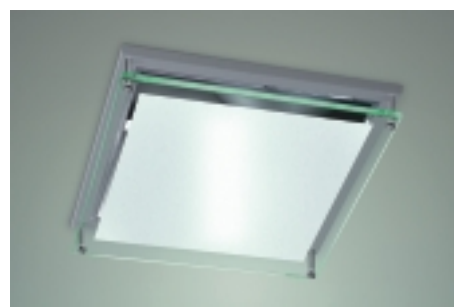
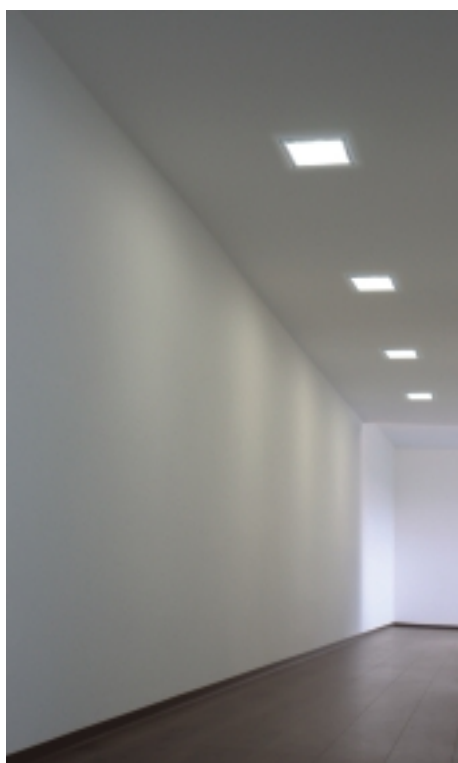
This cover element not only produces a diffuse, glare-free beam via the large luminous surface but also a directed light, directly emitted by the conical reflector.

- ▶ To specify the luminaire size, replace the placeholders .xxx with the frame size.

Ordering example:

Changing frame with diffuser and  
cone with frame size of 220 would be:  
Article No.: 0175.220.20

[illegible]



### CAPPUCCIO

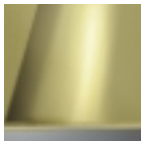
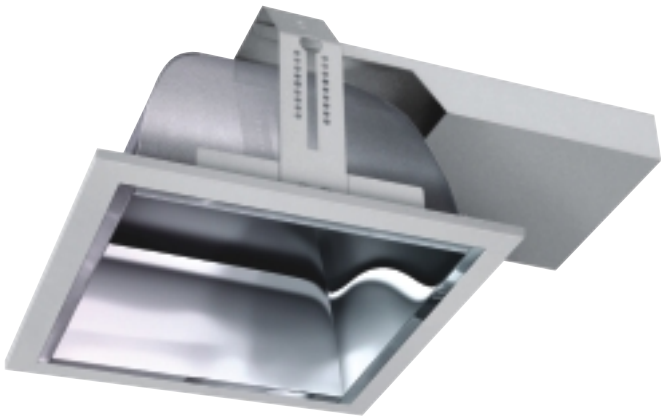
Our decorative glasses are supplied in the float glass version as standard. Other versions available on request.

► To specify the luminaire size, replace the placeholders .xxx with the frame size.

**Ordering example:**  
CAPPUCCIO decorative glass element in frame size 220 would be:  
Article No.: 0180.220.20

				Version				
		Article No.	Version	Partially-frosted in centre	Partially-frosted at edge	Frame, chrome	Frame, white	Frame, made to RAL
	Changing frame to fix glass accessories	0150.xxx-.13	Glass fixing bolt, chrome			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
		0150.xxx-.14	Glass fixing bolt, brass			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
		0150.xxx-.15	Glass fixing bolt, lacquered			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
		0180.xxx-.20	Decorative float glass	<input checked="" type="radio"/>				
		0190.xxx-.20	Decorative float glass		<input checked="" type="radio"/>			

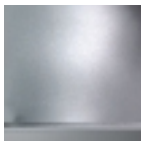
QUAD



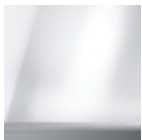
Gold



High specular



Semi-specular



White

### QUAD Luminaire System

Downlights for compact fluorescent lamps in a horizontal burning position. These are small luminaires with large lumen packages and precise glare reduction. This product family is available in four frame sizes with up to three different mounting depths each. It gives the same optical appearance even with various ceiling assembly situations. Electronic control gears either dimmable or non dimmable are exclusively used. Interface 1-10 volt / DALI / Push. Luminaires are suitable for operation with emergency power supply, also available on request with individual batteries.

### Lighting Technology

Purely mirror-finish reflectors with superpure reflection strengthened aluminium and silver silk satinized surface are used. Further versions with different surfaces are also available.

Choice of three different luminaire versions which are specified by an order number suffix. Special developments for particular project solutions can be made at short notice.










The control gear unit is side mounted; the luminaire's recess depth has been reduced to a minimum. Luminaires also available in a backlight protected version.

Wide variety of wattages, dimensions and lamp sources optimize the application options on the job. This luminaire program is rounded off by various technical and decorative accessories.

Lamp version TC-De / Te	mm □	Built-in depth in mm			
		90	105	130	140
1x 10/13W	165		●		
1x 18W			●		
1x 26W			●		
1x 10/13W	190	●			
1x 18W		●			
1x 26/32W		●			
1x 13W	220			●	
1x 18W		●		●	●
1x 26/32W		●		●	●
2x 18W		●			●
2x 26/32W		●		●	●
1x 26/32W	255	●		●	●
1x 42W		●			●
2x 18W		●		●	●
2x 26/32W		●		●	●
2x 42W		●			●



**QUAD**  
Recessed downlight QUAD.  
For TC-De 26W or TC-Te 32W  
compact fluorescent lamps  
either 1-flame or 2-flame in  
horizontal burning position,  
mainly with MultiPower elec-  
tronic control gear. This allows  
an alternative use of 26W or 32W  
lamps. Prewired and ready for  
installation with heat resistant  
cable and terminal block, 3-pole  
(5-pole), for through wiring with  
twin strain relief.

							Version						
				<div>13W G24q-1</div>		<div>13W GX24q-1</div>	<div>18W GX24q-2</div>	<div>26/32W GX24q-3</div>	CF suitable	Reflector, satin-matt silver	Reflector, high polish silver	Reflector, high polish gold	Reflector, special white
Article No. ECG Lamp version													
		<div>CCO=150x150mm ED =165x165mm</div>	5340.113	.-02	1 x TC-Te	13W	●			●	○	○	○
			5340.118	.-02	1 x TC-Te	18W	●			●	○	○	○
			5340.126	.-02	1 x TC-Te	26W	●			●	○	○	○
		<div>CCO=178x178mm ED =190x190mm</div>	5341.113	.-02	1 x TC-De	13W	●			●	○	○	○
			5341.118	.-02	1 x TC-Te	18W	●			●	○	○	○
			5341.132	.-02	1 x TC-Te	26/32W	●			●	○	○	○

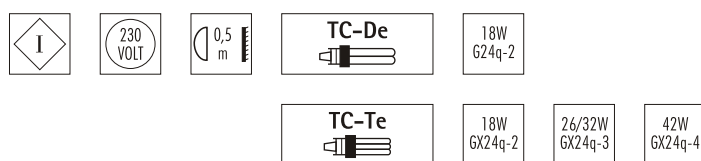
### Reflector Technology








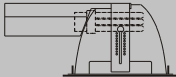



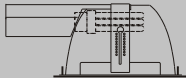

Silver aluminium reflector made of superpure reflection strengthened aluminium. Reflector surface in high polish opal silk. Other reflector surfaces are available.

► See chart

### Changing Frame System

Luminaire conclusion either with white standard frame or fixed frame for 2-piece Changing frame system (order code = add on CF). This allows the subsequent mounting of optical accessories.



							Version				
							CF suitable	Reflector, satin-matt silver	Reflector, high polish silver	Reflector, high polish gold	Reflector, special white
			 <div>TC-De</div>	<div>18W GX24q-2</div>							
			 <div>TC-Te</div>	<div>18W GX24q-2</div>	<div>26/32W GX24q-3</div>	<div>42W GX24q-4</div>					
Article No. ECG Lamp version											
		CCO=208x208mm	5344.118	.-02	1 x TC-De/Te	18W	●	●	○	○	○
		ED =220x220mm	5344.132	.-02	1 x TC-Te	26/32W	●	●	○	○	○
			5344.218	.-02	2 x TC-De/Te	18W	●	●	○	○	○
			5344.232	.-02	2 x TC-Te	26/32W	●	●	○	○	○
		CCO=208x208mm	5345.118	.-02	1 x TC-De/Te	18W	●	●	○	○	○
		ED =220x220mm	5345.132	.-02	1 x TC-Te	26/32W	●	●	○	○	○
			5345.218	.-02	2 x TC-De/Te	18W	●	●	○	○	○
			5345.232	.-02	2 x TC-Te	26/32W	●	●	○	○	○
		CCO=243x243mm	5346.132	.-02	1 x TC-Te	26/32W	●	●	○	○	○
		ED =255x255mm	5346.142	.-02	1 x TC-Te	42W	●	●	○	○	○
			5346.218	.-02	2 x TC-De/Te	18W	●	●	○	○	○
			5346.232	.-02	2 x TC-Te	26/32W	●	●	○	○	○
			5346.242	.-02	2 x TC-Te	42W	●	●	○	○	○
		CCO=243x243mm	5347.132	.-02	1 x TC-Te	26/32W	●	●	○	○	○
		ED =255x255mm	5347.142	.-02	1 x TC-Te	42W	●	●	○	○	○
			5347.218	.-02	2 x TC-De/Te	18W	●	●	○	○	○
			5347.232	.-02	2 x TC-Te	26/32W	●	●	○	○	○
			5347.242	.-02	2 x TC-Te	42W	●	●	○	○	○



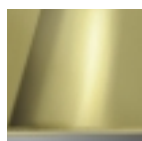
## QUAD Cross Louvre

This compact downlight with its cross louvre offers an alternative to luminaires with standard louvres. Due to an excellent glare reduction with 65° beam angle it is also suitable for working areas and PC workstations.



## QUAD Konus

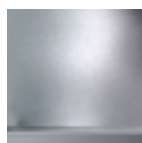
QUAD Konus has been designed with an eye to stylistic design. This compact, recessed luminaire offers essential technical and lighting advantages. The diffuser prevents direct view of the lamp and provides a homogenous, soft light, while also providing splash-water protection and preventing the electrical components from being touched.



Gold



High specular



Semi-specular



White



### QUAD K/C

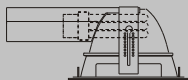


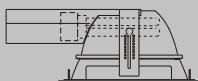


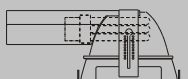


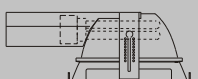


Recessed downlight QUAD K/R. For TC-De 26W or TC-Te 32W compact fluorescent lamps either 1-flame or 2-flame in horizontal burning position, mainly with MultiPower electronic control gear. This allows an alternative use of 26W or 32W lamps. Prewired and ready for installation with heat resistant cable and terminal block, 3-pole (5-pole), for through wiring with twin strain relief.

### Reflector Technology

Reflector system in 2 parts with aluminium reflector and silver louvre/cone. Made of superpure reflection strengthened aluminium. Reflector surface in high polish opal silk. Removable tool-free.

### Changing Frame System

Luminaire conclusion either with white standard frame or fixed frame for 2-piece Changing frame system (order code = add on CF). This allows the subsequent mounting of optical accessories.

							Version				
							CF suitable	Reflector, satin-matt silver	Reflector, high polish silver	Reflector, high polish gold	Reflector, special white
Article No. ECG Lamp version											
		CCO=208x208mm	5360.113	.-02	1 x TC-De	13W	●	●	○	○	
		ED =220x220mm	5360.118	.-02	1 x TC-Te	18W	●	●	○	○	
		cross louvre 	5360.132	.-02	1 x TC-Te	26/32W	●	●	○	○	
		CCO=243x243mm	5361.118	.-02	1 x TC-De/Te	18W	●	●	○	○	
		ED =255x255mm	5361.132	.-02	1 x TC-Te	26/32W	●	●	○	○	
		cross louvre 	5361.218	.-02	2 x TC-De/Te	18W	●	●	○	○	
			5361.232	.-02	2 x TC-Te	26/32W	●	●	○	○	
		CCO=208x208mm	5365.113	.-02	1 x TC-De	13W	●	●	○	○	
		ED =220x220mm	5365.118	.-02	1 x TC-Te	18W	●	●	○	○	
		cone+glass 	5365.132	.-02	1 x TC-Te	26/32W	●	●	○	○	
		CCO=243x243mm	5366.118	.-02	1 x TC-De/Te	18W	●	●	○	○	
		ED =255x255mm	5366.132	.-02	1 x TC-Te	26/32W	●	●	○	○	
		cone+glass 	5366.218	.-02	2 x TC-De/Te	18W	●	●	○	○	
			5366.232	.-02	2 x TC-Te	26/32W	●	●	○	○	

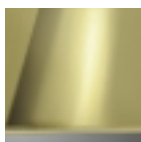
# QUAD-R Aura

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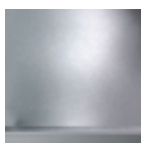


## QUAD-R Aura

Soft light and highlight combined as a double function in one luminaire. With its cross-baffle, this compact downlight offers an alternative to conventional louvred luminaires. A discreet luminaire that does not come to the fore itself, it is only a perimeter diffuser frame that indicates the light.



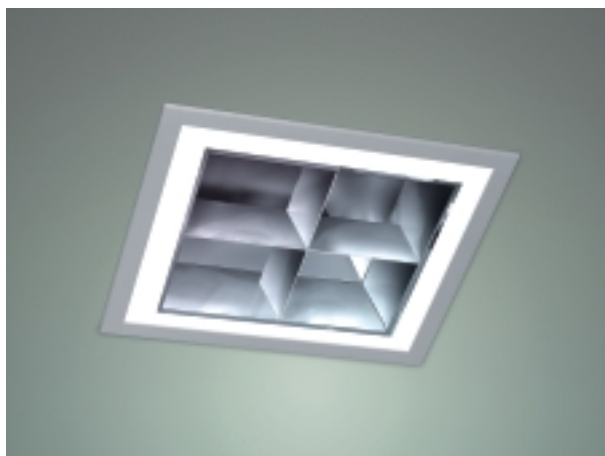
Gold



Semi-specular



White



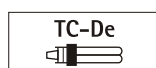
### Reflector Technology

Silver aluminium reflector made of superpure reflection strengthened aluminium. With satin-matt silver surface. Lens removable tool-free, existing parabolic louvre with perimeter aura. Other reflector surfaces are available.

► See chart

### QUAD-R Aura

Recessed downlight with louver. For TC-De 18W or TC-Te 32W compact fluorescent lamps either 1-flame or 2-flame in horizontal burning position, mainly with MultiPower electronic control gear. This allows an alternative use of 26W or 32W lamps. Prewired and ready for installation with heat resistant cable and terminal block, 3-pole (5-pole), for through wiring with twin strain relief.



Article No. ECG Lamp version						Version			
		CCO=243x243mm ED =255x255mm cross louvre	5363.132	.-02	1 x TC-Te	26/32W	CF suitable		Reflector, satin-matt silver
			5363.218	.-02	2 x TC-De	18W			Reflector, high polish gold
			5363.232	.-02	2 x TC-Te	26/32W			Reflector, special white

## Imprint

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## General Information

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