

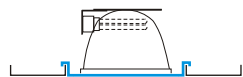


2011

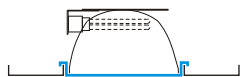
TURBO
CROSS
SEGMENT
CROSS-Aura
MULTI

Round Downlights

Modular plate for panel ceilings



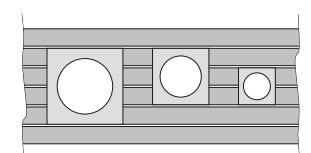
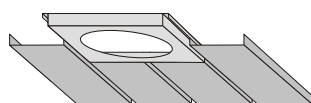
Added-on modular plate



Before ordering please consult us for technical details.

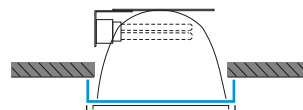
Modular Panels

The integration of recessed luminaires into panel ceilings M100 is made possible with modular panels. (Other ceiling systems available 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 ring is replaced by this modular panel. The luminaire cover ring is therefore made redundant.



4-Field 3-Field 2-Field

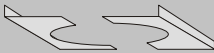



Cylinder for semi-recessed mounting



Semi-recessed mounting is only possible with a cover ring.
Changing ring system ► P. 138

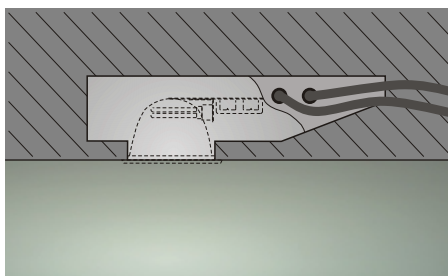
Semi-Recessing Cylinder

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

| | | | | Ring size | | | | | | | |
|---|--|----------|---------|-----------|---------|---------|---------|---------|---------|---------|---|
| Article No. Version | | | | Ø 125mm | Ø 140mm | Ø 165mm | Ø 190mm | Ø 220mm | Ø 255mm | Ø 315mm | |
|  | Positioning tracks in pairs to strengthen ceiling panels | 0805.165 | CCO 145 | | | ● | | | | | |
| | | 0805.190 | CCO 165 | | | | ● | | | | |
| | | 0805.220 | CCO 195 | | | | | ● | | | |
| | | 0805.255 | CCO 235 | | | | | | ● | | |
| | | 0805.315 | CCO 300 | | | | | | | ● | |
|  | Cut-in ring | 0895.190 | CCO 165 | | | ● | | | | | |
| | | 0895.220 | CCO 195 | | | | | ● | | | |
| | | 0895.255 | CCO 235 | | | | | | ● | | |
| | | 0895.315 | CCO 300 | | | | | | | ● | |
|  | Modular panel for ceiling system panel 85/15 | 0801.125 | 2-Field | CCO 105 | ● | | | | | | |
| | | 0801.140 | 2-Field | CCO 120 | | ● | | | | | |
| | | 0801.165 | 2-Field | CCO 145 | | | ● | | | | |
| | | 0801.190 | 3-Field | CCO 165 | | | | ● | | | |
| | | 0801.220 | 3-Field | CCO 195 | | | | | ● | | |
| | | 0801.255 | 3-Field | CCO 235 | | | | | | ● | |
| | | 0801.315 | 4-Field | CCO 300 | | | | | | | ● |
|  | Cylinder for semi-recessed mounting | 0800.190 | | CCO 165 | | | ● | | | | |
| | | 0800.225 | | CCO 195 | | | | ● | | | |
| | | 0800.255 | | CCO 235 | | | | | ● | | |

Concrete Housing

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 up to a maximum of 35mm in order to guide the armouring underneath the fitting. Flat or round fittings (with highly reduced volume) are available, depending on the ceiling situation. If round concrete castings are being used, only specially adapted downlights, allowing the installation of the electronic component groups on top.



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.



Concrete Housing, Flat

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, where centring plates are used, suitable for fairfaced concrete ceilings.



Concrete Housing, High

Article No. 0899.xxxx (whereby xxxx = luminaire Article no.)
Can be used for standard downlights with a vertical lamp position and downlights with top mounted control gear. Suitable for concrete ceilings and, where centring plates are used, also suitable for fairfaced concrete ceilings.

Downlight Louvre



Recessed Luminaire with Rounded Louvre

The lighting technology used here combines louvre and rounded reflector. Suitable for PC supported office workplaces. The parabolic louvre is available in different versions and can be removed tool-free.

Smooth aluminium, silver highly polished louvre with reflector. Other reflector surfaces are available.

| Lamp version TC-De / Te | OD Ø mm | Built-in depth (mm) | | | | |
|----------------------------|------------|---------------------|-----|-----|-----|-----|
| | | 105 | 130 | 140 | 145 | 150 |
| 1x 10/13W | 190 | ● | | | ● | |
| 1x 18W | | ● | | | ● | |
| 1x 26/32W | | ● | | | ● | |
| 1x 10/13W | 220 | | | ● | | |
| 1x 18W | | ● | | ● | | |
| 1x 26/32W | | ● | | ● | | |
| 1x 42W | | ● | | ● | | |
| 2x 10/13W | | | | ● | | |
| 2x 18W | | ● | | ● | | |
| 2x 26/32W | 255 | ● | | ● | | |
| 1x 18W | | ● | | ● | | |
| 1x 26/32W | | ● | | ● | | |
| 1x 42W | | | | ● | | |
| 2x 10/13W | | ● | | ● | | |
| 2x 18W | | ● | | ● | | |
| 2x 26/32W | 315 | ● | | | ● | ● |
| 1x 42W | | ● | ● | | ● | |
| 1x 57W | | | | | ● | |
| 2x 18W | | | | | ● | |
| 2x 26/32W | | ● | ● | | ● | ● |
| 2x 42W | | ● | ● | | ● | ● |
| 2x 57W | | ● | ● | | ● | |



TURBO

Central cone with parabolic diagonal lamellas in various segmentations.



CROSS

Crossed parabolic diagonal lamellas in two different mounting heights



SEGMENT

Flat louvre with four parabolic cross lamellas and central hub. Also available with additional anti-glare ring.



Flat louvre with six parabolic diagonal lamellas and central hub. Also available with additional anti-glare ring.



Luminaire Conclusions

Two luminaire conclusions are available for rounded louvres.

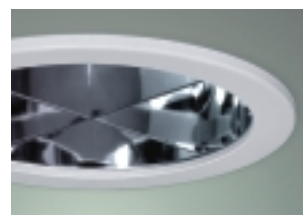
Standard

Narrow ring with stamped insert for the reflector.



Changing Ring System ► P. 138

In 2 parts. Basic ring firmly mounted onto luminaire, can be combined with various cover rings (by adding "CR" when ordering).





TURBO

Recessed downlight TURBO.
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
ready-to-connect, with heat
resistant cable and terminal
block, 3-pole (5-pole), for
through-wiring with twin
strain relief.

| | | | | | |
|--|--|--|------------------|-------------------|----------------|
| | | | TC-De | 18W G24q-2 | 26W G24q-3 |
| | | | TC-Te | 26/32W GX24q-3 | 42W GX24q-4 |

| Article No. ECG Lamp version | | | | | | | Version | | | | |
|------------------------------|----------|------|-----------|--------|---|---|-------------------------------|---------------------|-----------------------------|--|-------------------|
| | | | | | | | Reflector, high polish silver | Louvre, matt silver | Reflector, high polish gold | | Diffuser, acrylic |
| | 4301.118 | .-02 | 1 x TC-De | 18W | ● | ○ | ○ | | | | ○ |
| | 4301.218 | .-02 | 2 x TC-De | 18W | ● | ○ | ○ | | | | ○ |
| | 4301.132 | .-02 | 1 x TC-Te | 26/32W | ● | ○ | ○ | | | | ○ |
| | 4301.232 | .-02 | 2 x TC-Te | 26/32W | ● | ○ | ○ | | | | ○ |
| | 4306.126 | .-02 | 1 x TC-De | 26W | ● | ○ | ○ | | | | ○ |
| | 4306.226 | .-02 | 2 x TC-De | 26W | ● | ○ | ○ | | | | ○ |
| | 4306.132 | .-02 | 1 x TC-Te | 26/32W | ● | ○ | ○ | | | | ○ |
| | 4306.232 | .-02 | 2 x TC-Te | 26/32W | ● | ○ | ○ | | | | ○ |






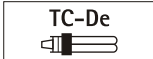


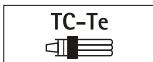



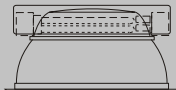



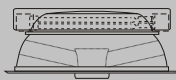







Reflector Technology

Reflector system in 2 parts. Polished and piece anodized reflector made of aluminium 99.98%. Parabolic louvre removable tool-free, reflector suitable for PC workplaces. Smooth, high polish silver reflector surface. Other reflector surfaces on request.

► See chart

Changing Ring System

Luminaire conclusion either with white standard ring or fixed ring for Changing ring system in 2 parts (order code = add on CR). This allows the subsequent assembly of optical light accessories.

| | | | | | | | Version | | | | | | |
|---|---|---|---|---|---|--|-------------------------------|---------------------|-----------------------------|---|--|---|-------------------|
| | | | | | | | Reflector, high polish silver | Louvre, matt silver | Reflector, high polish gold | | | | Diffuser, acrylic |
|  |  |  |  |  |  | | | | | | | | |
| | | |  |  |  |  | | | | | | | |
| Article No. ECG Lamp version | | | | | | | | | | | | | |
|  |  |  |  | 4310.218 | .-02 | 2 x TC-De | 18W | ● | ○ | ○ | | | ○ |
| | | | | 4310.226 | .-02 | 2 x TC-De | 26W | ● | ○ | ○ | | ○ | |
| | | | | 4310.142 | .-02 | 1 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4310.242 | .-02 | 2 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4310.157 | .-02 | 1 x TC-Te | 57W | ● | ○ | ○ | | ○ | |
| | | | | | | | | | | | | | |
|  |  |  |  | 4316.226 | .-02 | 2 x TC-De | 26W | ● | ○ | ○ | | | ○ |
| | | | | 4316.142 | .-02 | 1 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4316.242 | .-02 | 2 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4316.157 | .-02 | 1 x TC-Te | 57W | ● | ○ | ○ | | ○ | |
| | | | | | | | | | | | | | |
|  |  |  |  | 4321.242 | .-02 | 2 x TC-Te | 32/42W | ● | ○ | ○ | | | ○ |
| | | | | 4321.342 | .-02 | 3 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4321.442 | .-02 | 4 x TC-Te | 32/42W | ● | ○ | ○ | | ○ | |
| | | | | 4321.257 | .-02 | 2 x TC-Te | 57W | ● | ○ | ○ | | ○ | |
| | | | | 4321.357 | .-02 | 3 x TC-Te | 57W | ● | ○ | ○ | | ○ | |
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CROSS

Recessed downlight CROSS.
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
ready-to-connect, with heat
resistant cable and terminal
block, 3-pole (5-pole), for
through-wiring with twin strain
relief.

| | | | | |
|--|--|--|------------------|---------------------------------------|
| | | | TC-De | 18W GX24q-2 |
| | | | TC-Te | 18W GX24q-2 26/32W GX24q-3 |

| | | | | | | | Version | | | | |
|--|--|-------------|------|--------------|--------|--|----------------------------|---------------------|--------------------------|--|-------------------|
| | | Article No. | ECG | Lamp version | | | Louvre, high polish silver | Louvre, matt silver | Louvre, high polish gold | | Diffuser, frosted |
| | | 4334.118 | .-02 | 1 x TC-Te | 18W | | ● | ○ | ○ | | ○ |
| | | 4334.132 | .-02 | 1 x TC-Te | 26/32W | | ● | ○ | ○ | | ○ |
| | | | | | | | | | | | |
| | | 4335.118 | .-02 | 1 x TC-Te | 18W | | ● | ○ | ○ | | ○ |
| | | 4335.132 | .-02 | 1 x TC-Te | 26/32W | | ● | ○ | ○ | | ○ |
| | | | | | | | | | | | |
| | | 4331.118 | .-02 | 1 x TC-De/Te | 18W | | ● | ○ | ○ | | ○ |
| | | 4331.218 | .-02 | 2 x TC-De/Te | 18W | | ● | ○ | ○ | | ○ |
| | | 4331.132 | .-02 | 1 x TC-Te | 26/32W | | ● | ○ | ○ | | ○ |
| | | 4331.232 | .-02 | 2 x TC-Te | 26/32W | | ● | ○ | ○ | | ○ |



SEGMENT

Flat louvre luminaire SEGMENT.

The flat parabolic louvre construction used in this luminaire is virtually glare-free despite its flat design. As an accessory, a translucent anti-glare pane can be mounted into the reflector cone resulting in a pleasing diffused light.

| | | | | | | | Version | | | | | |
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Reflector Technology

Reflector system in 2 parts.
 Polished and piece anodized reflector made of aluminium 99.98%. Parabolic louvre removable tool-free, reflector suitable for PC workplaces.
 Smooth, high polish silver reflector surface. Other reflector surfaces are available on request.

► See chart

Changing Ring System

Luminaire conclusion either with white standard ring or fixed ring for Changing ring system in 2 parts (order code = add on CR). This allows the subsequent assembly of optical light accessories.

| | | | | | | | | Version | | | | | |
|--|--|--|--|----------|------|--------------|--------|----------------------------|---------------------|--------------------------|--|--|-------------------|
| | | | | | | | | Louvre, high polish silver | Louvre, matt silver | Louvre, high polish gold | | | Diffuser, frosted |
| <div> <div>I</div> <div>230 VOLT</div> <div>0,5 m</div> <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> <div>57W GX24q-5</div> </div> | | | | | | | | | | | | | |
| Article No. ECG Lamp version | | | | | | | | | | | | | |
| | | | | 4362.218 | .-02 | 2 x TC-Te | 18W | ● | ○ | ○ | | | ○ |
| | | | | 4362.226 | .-02 | 2 x TC-Te | 26W | ● | ○ | ○ | | | ○ |
| | | | | 4362.132 | .-02 | 1 x TC-Te | 26/32W | ● | ○ | ○ | | | ○ |
| | | | | 4366.218 | .-02 | 2 x TC-De/Te | 18W | ● | ○ | ○ | | | ○ |
| | | | | 4366.232 | .-02 | 2 x TC-Te | 26/32W | ● | ○ | ○ | | | ○ |
| | | | | 4366.142 | .-02 | 1 x TC-Te | 42W | ● | ○ | ○ | | | ○ |
| | | | | 4371.132 | .-02 | 1 x TC-Te | 26/32W | ● | ○ | ○ | | | ○ |
| | | | | 4371.232 | .-02 | 2 x TC-Te | 26/32W | ● | ○ | ○ | | | ○ |
| | | | | 4371.242 | .-02 | 2 x TC-Te | 42W | ● | ○ | ○ | | | ○ |
| | | | | 4371.257 | .-02 | 2 x TC-Te | 57W | ● | ○ | ○ | | | ○ |

CROSS-Aura



CROSS-Aura

Soft and accentuated light 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 ring that indicates the light.

CROSS-Aura

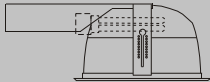




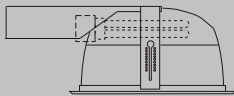




Recessed downlight equipped for compact fluorescent lamps TC-Te 18W, 26W or 32W either 1-flame or 2-flame in horizontal burning position, mainly with MultiPower electronic control gear. This allows an alternative use of 26W or 32W lamps. Prewired ready-to-connect, with heat resistant cable and terminal block, 3-pole (5-pole), for through-wiring with twin strain relief. Includes Changing ring system. Cover with integrated light optics removable tool-free via bayonet lock.

Reflector Technology

Polished and piece anodized reflector made of 99.98% aluminium with smooth, high polish surface. Light optics removable tool-free. Parabolic louvres with perimeter aura. Other reflector surfaces are available.

► See chart



| Article No. ECG Lamp version | | | | | | | | | R | | D | D | | |
|---|---|---|---|----------|------|-----------|--------|--|---|--|---|---|---|--|
|  |  |  |  | 4348.118 | .-02 | 1 x TC-Te | 18W | | ● | | ● | ○ | ○ | |
| | | | CCO195mm | 4348.218 | .-02 | 2 x TC-Te | 18W | | ● | | ● | ○ | ○ | |
| | | |  | 4348.132 | .-02 | 1 x TC-Te | 26/32W | | ● | | ● | ○ | ○ | |
| | | | | 4348.232 | .-02 | 2 x TC-Te | 26/32W | | ● | | ● | ○ | ○ | |
|  |  |  |  | 4349.218 | .-02 | 2 x TC-Te | 18W | | ● | | ● | ○ | ○ | |
| | | | CCO235mm | 4349.132 | .-02 | 1 x TC-Te | 26/32W | | ● | | ● | ○ | ○ | |
| | | |  | 4349.232 | .-02 | 2 x TC-Te | 26/32W | | ● | | ● | ○ | ○ | |
| | | | | | | | | | | | | | | |

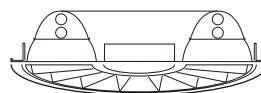
MULTI



MULTI

Based on our long-term experience in louvre technology for T5 fluorescent lamps, we developed parabolic, round louvre luminaires. The availability of T5 circular fluorescent lamps allows the technical advantages of conventional louvre luminaires to be transferred compact downlights, making this luminaire a real alternative to linear solutions.

This luminaire satisfies the demanding requirements of building engineering and lighting technology. It provides good glare reduction with high luminaire operating efficiency. It is also highly flexible due to a variety of options and integrated building engineering elements - and all that in a compact yet architecturally distinctive luminaire design.



Wattage

Unique 2-flame assembly equipped with two T5 FC 55W lamps which allows the illumination of large public areas without affecting ceiling appearance.

MULTI

An accentuated or even illumination can be achieved with luminaires of this series. The high glare reduction (65°) makes them suitable for work zones with PC workstations. The additional use of centred light sources in the luminaire allows the advantages of dual light to be seen.

Equipped for 1-flame or 2-flame. Two different lamp versions in 40W or 55W are available. Fixed or adjustable auxiliary lighting and building engineering accessories such as loud-speakers, sprinklers and air conditioning technology can be combined with the basic luminaire.

MULTI

Sensor

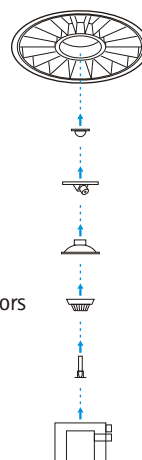
Video monitors

Loudspeakers

Fire alarm detectors

Water sprinkler preparation

Air-conditioning elements



Multi Functional Elements

System adaptors or complete system elements enable connection to the building engineering. Because of the multiple options available all adjustments must be clarified in detail. The description in submissions refers to the selected luminaire's article no. and to the added technical element.

For example:
MULTI 1x T5 FC in 55W with loudspeaker corresponds to: Article No.: 4100.155.02 + system element loudspeaker

MULTI Standard

This luminaire is supplied with round parabolic louvre and a centric closed cone as standard.



Multi + Accessories

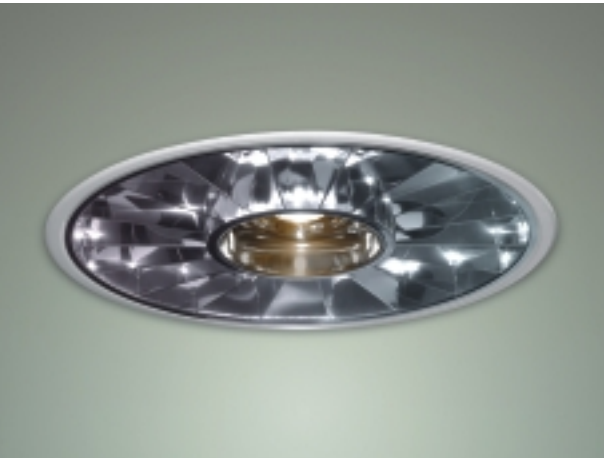
The centred louvre cone can be accessed with the lighting and building engineering accessory elements. The optical appearance is retained.



MULTI TR

The louvre centre is locked by a sealing plate. This emphasizes the ring appearance of the luminaire and allows combination with luminaires of the TR-GLAS.





MULTI
Dual light is the characteristic feature of this luminaire. A large selection of additional, separately switchable, central lamps is available. With this luminaire, a distinction is made between single-flame or double-flame basic luminaire. In addition, the central luminaire inserts are available in fixed and tiltable formats. The version for the 13W TC-Te is intended for emergency lighting use and can be combined with additional emergency lighting elements.

| | | | | | | | Version | | | | | | | |
|------------------------------|--|--|--|----------|------|-----------|---------|----------------------------------|-----------------------|--|--|-----------------------|--|----------------------------------|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Article No. ECG Lamp version | | | | | | | | | | | | | | |
| | | | | 4100.140 | .-02 | 1 x T5 FC | 40W | <input checked="" type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | | <input checked="" type="radio"/> |
| | | | | 4100.155 | .-02 | 1 x T5 FC | 55W | <input checked="" type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | | <input checked="" type="radio"/> |
| | | | | | | | | | | | | | | |
| | | | | 4101.140 | .-02 | 1 x T5 FC | 40W | <input checked="" type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | | |
| | | | | 4101.155 | .-02 | 1 x T5 FC | 55W | <input checked="" type="radio"/> | <input type="radio"/> | | | <input type="radio"/> | | |
| | | | | | | | | | | | | | | |
| | | | | 4102.240 | .-02 | 2 x T5 FC | 40W | <input checked="" type="radio"/> | <input type="radio"/> | | | | | |
| | | | | 4102.255 | .-02 | 2 x T5 FC | 55W | <input checked="" type="radio"/> | <input type="radio"/> | | | | | |
| | | | | | | | | | | | | | | |

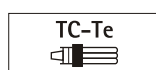
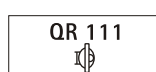
MULTI

Recessed downlight MULTI.
 For circular fluorescent T5 lamps
 in 40W or 55W either 1-flame
 or 2-flame with electronic
 control gear. Wired ready-to-
 connect 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.
 Polished and piece anodized
 reflector made of aluminium
 99.98%. Parabolic louvre
 removable tool-free, reflector
 suitable for PC workplaces.
 Smooth, high polish silver
 reflector surface. Other reflector
 surfaces are available on request.

► See chart



| | | | | | | Version | | | | | |
|---------------------|--|-------------|------|--------------|------|-----------------|-------------------|------------------|-------------------|------------------------|---|
| | | | | | | Reflector, spot | Reflector, medium | Reflector, flood | Diffuser, frosted | Control gear, separate | |
| Basic Lamp Version | | Article No. | ECG | Lamp version | | | | | | | |
| 1 x T5 FC 55W + | | 4106.013 | .-02 | 1 x TC-Te | 13W | | | ● | ○ | ○ | |
| | | 4106.070 | .-02 | 1 x CDM-TC | 35W | ○ | ● | ○ | ○ | ○ | |
| | | 4106.111 | .-02 | 1 x QR 111 | 100W | | | | ○ | ○ | |
| | | | | | | | | | | | |
| 2 x T5 FC 55W + | | 4107.013 | .-02 | 1 x TC-Te | 13W | | | ● | | | ● |
| | | 4107.070 | .-02 | 1 x CDM-TC | 35W | ○ | ● | ○ | | | ● |
| | | 4107.111 | .-02 | 1 x QR 111 | 100W | | | | | | ● |
| | | | | | | | | | | | |
| 1 x T5 FC 55W + | | 4108.070 | .-02 | 1 x CDM-TC | 35W | ○ | ● | ○ | ○ | ○ | |
| | | 4108.111 | .-02 | 1 x QR 111 | 100W | | | | ○ | ○ | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 2 x T5 FC 55W + | | 4109.070 | .-02 | 1 x CDM-TC | 35W | ○ | ● | ○ | | | ● |
| | | 4109.111 | .-02 | 1 x QR 111 | 100W | | | | | | ● |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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