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2011

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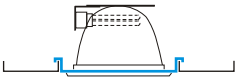
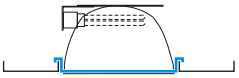
TR-Glas
Accessories
Glass
CAPPUCCIO

Round Downlights

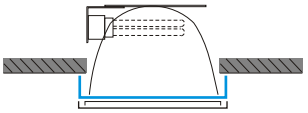
Modular plate for panel ceilings

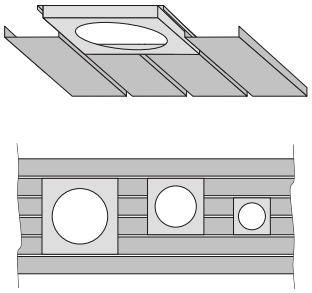


Added-on modular plate



Cylinder for semi-recessed mounting





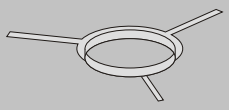
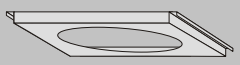
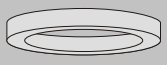
4-Field 3-Field 2-Field

Before ordering please consult us for technical details.

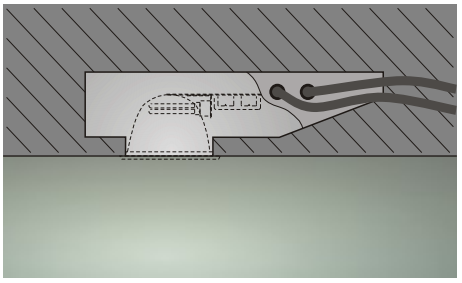
Modular Panels
The integration of recessed luminaires into panel ceilings M100 is made possible with modular panels. (Other ceiling systems available on request.) The modular panels are mounted into the ceiling construction tool-free. The downlight is subsequently mounted into the ceiling section. When using the added-on modular panels the luminaire ring is replaced by this modular panel. The luminaire cover ring is therefore made redundant.

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.

		Article No.	Version		Ring size							
					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.

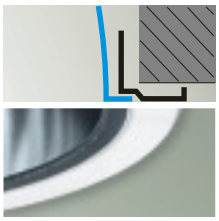


Specification
Sturdy one-piece housing made of galvanized sheet-steel with a slanted concrete run. 2 to 4 entries for conduit. Attached throat can be extended as required. Maximum height 35mm. Fixing tabs for nail-fastening to the wooden formwork. When installing in bare concrete ceilings, fixing with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

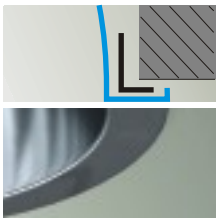
Concrete Housing, Flat
Article No. 0898.xxxx (whereby xxxx = luminaire Article no.)
Can be used for standard downlights with a horizontal lamp position. Suitable for concrete ceilings and, where centring plates are used, suitable for fairfaced concrete ceilings.

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.

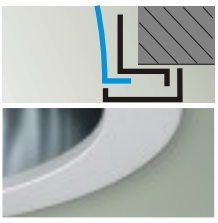
Downlight Luminaire Conclusions



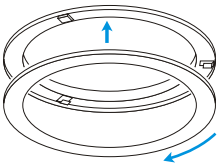
Standard
Narrow luminaire conclusion ring in one piece. Discreetly recessed reflector rim.



Folded-over Reflector
Concealed luminaire conclusion ring (by the reflector rim) and therefore invisible.



Changing Cover Ring
Changing ring system in 2 parts where the luminaire is supplied with a fixed ring. One separate cover ring (to be ordered separately) which is fastened by a bayonet lock. Suitable for subsequent mounting of optical accessories. Available for ring sizes 125, 140, 190, 220 and 255mm. Other sizes available on request.



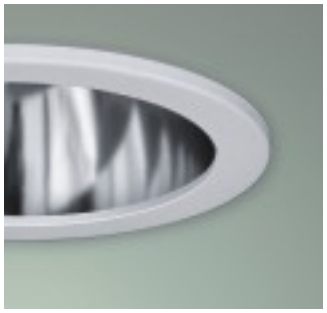
To order the Changing ring system please add "**CR**" to the order code.

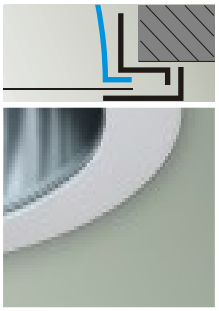
▶ The optional cover ring is not normally included, please order separately.

The covering ring 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





CR for Glass Panes
Changing ring for insertion of glass panes as IP protection, decorative or diffuser glass. Can also be used with CAPPUCCIO ancillary glass.

Various Covers for Various Tasks
Insertion panes made of diverse materials in various finishes. Whether satinized 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 splashing water, thereby attaining protection class IP43 from the underside when mounted into a closed ceiling system. Also suitable as theft and vandalism protection.

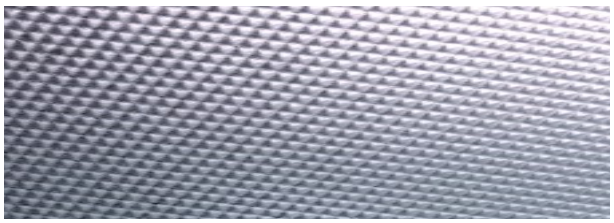
▶ To specify the luminaire size, replace the placeholders .xxx with the ring size.

Ordering example:
Changing ring for open downlight with frame size of 220 would be:
Article No.: 0100.220.12

		Article No.	Version	Brass	Chrome	White	Made to RAL
	Changing ring for open downlight	0100.xxx-.12	Standard	○	○	●	○
	CR for open downlight with CAPPUCIO glass accessories	0100.xxx-.13	Glass fixing bolt, chrome	○	○	●	○
		0100.xxx-.14	Glass fixing bolt, brass	○	○	●	○
		0100.xxx-.15	Glass fixing bolt, lacquered	○	○	●	○

Round Downlights – Glasses

All glass inserts provide splash water protection. Luminaires with permanently glued-in glass covers attain protection mode IP43 (from below) when installed in closed ceiling systems.



Detail of prismatic surface

Microstructure-prismatic lens. This product's features are: high lighting efficiency, softly starting glare control simultaneously combined with an opal lens.

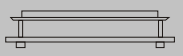
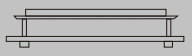
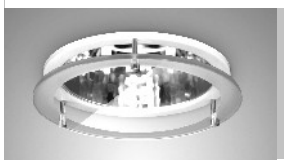
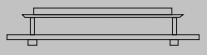
▶ To specify the luminaire size, replace the placeholders .xxx with the ring size.

Ordering example:
Changing ring with IP43 protection pane with ring size of 220 would be:
Article No.: 0128.220.20

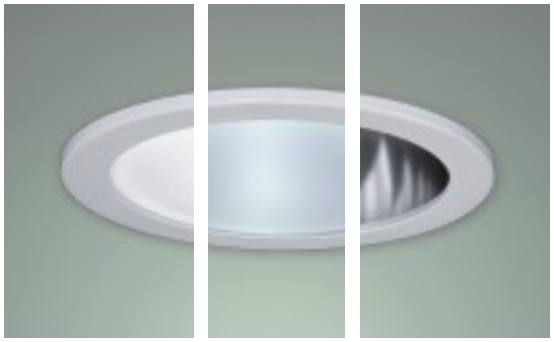
		Article No.	Version	Brass	Chrome	White	Made to RAL
	CR with IP43 circular prism	0128.xxx-.20	Acrylic, clear	○	○	●	○
	CR with IP43 prismatic lens	0130.xxx-.20	Glass, clear	○	○	●	○
		0131.xxx-.20	Acrylic, clear	○	○	●	○
		0132.xxx-.20	Glass, satin-frosted	○	○	●	○

Changing ring for open downlights with glass retention pins combined with glass type 2 decorative glass cover, partially-frosted.

CAPPUCCIO
The supplied standard version is the decorative glass CAPPUCCIO as float glass. For other versions, please inquire separately.
▶ See chart

		Article No.	Version		Version: Hardened security glass	Float glass	Acrylic glass			Glass, satin-frosted	Glass, partially-frosted	
		4600.125	Decorative glass	Ø 135mm	○	●	○				●	
		4600.140	Decorative glass	Ø 150mm	○	●	○				●	
		4600.165	Decorative glass	Ø 180mm	○	●	○				●	
		4600.190	Decorative glass	Ø 200mm	○	●	○				●	
		4600.220	Decorative glass	Ø 240mm	○	●	○				●	
		4600.255	Decorative glass	Ø 280mm	○	●	○				●	
		4620.125	Decorative glass	Ø 140mm	○	●	○				●	
		4620.140	Decorative glass	Ø 160mm	○	●	○				●	
		4620.165	Decorative glass	Ø 190mm	○	●	○				●	
		4620.190	Decorative glass	Ø 220mm	○	●	○				●	
		4620.220	Decorative glass	Ø 250mm	○	●	○				●	
		4620.255	Decorative glass	Ø 280mm	○	●	○				●	
		4620.315	Decorative glass	Ø 340mm	○	●	○				●	
		4680.165	Decorative glass	Ø 180mm	○	●	○			●		
		4680.190	Decorative glass	Ø 200mm	○	●	○			●		
		4680.220	Decorative glass	Ø 240mm	○	●	○			●		
		4680.255	Decorative glass	Ø 280mm	○	●	○			●		
		4680.315	Decorative glass	Ø 340mm	○	●	○			●		
		4612.165	Decorative glass	Ø 180mm	○	●	○				●	
		4612.190	Decorative glass	Ø 200mm	○	●	○				●	
		4612.220	Decorative glass	Ø 240mm	○	●	○				●	
		4612.255	Decorative glass	Ø 280mm	○	●	○				●	
		4612.315	Decorative glass	Ø 340mm	○	●	○				●	

Round Downlights – Glasses



Changing ring, IP43 protection pane in acrylic:
opal satin-matt / frosted glass / clear glass

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

Ordering example:
Changing ring with IP43 protection pane with ring size of 220 would be:
Article No.: 0110.220.20

		Article No.	Version	Brass	Chrome	White	Made to RAL
	CR with IP43 protection pane, clear	0110.xxx-.20	Acrylic, clear	○	○	●	○
		0111.xxx-.20	Float glass, clear	○	○	●	○
		0112.xxx-.20	Hardened security glass, clear	○	○	●	○
	CR with IP43 protection pane, satin-frosted	0115.xxx-.20	Float glass, satin-frosted	○	○	●	○
		0116.xxx-.20	Hardened security glass, satin-frosted	○	○	●	○
	CR with IP43 protection pane, acrylic	0127.xxx-.20	Acrylic opal	○	○	●	○

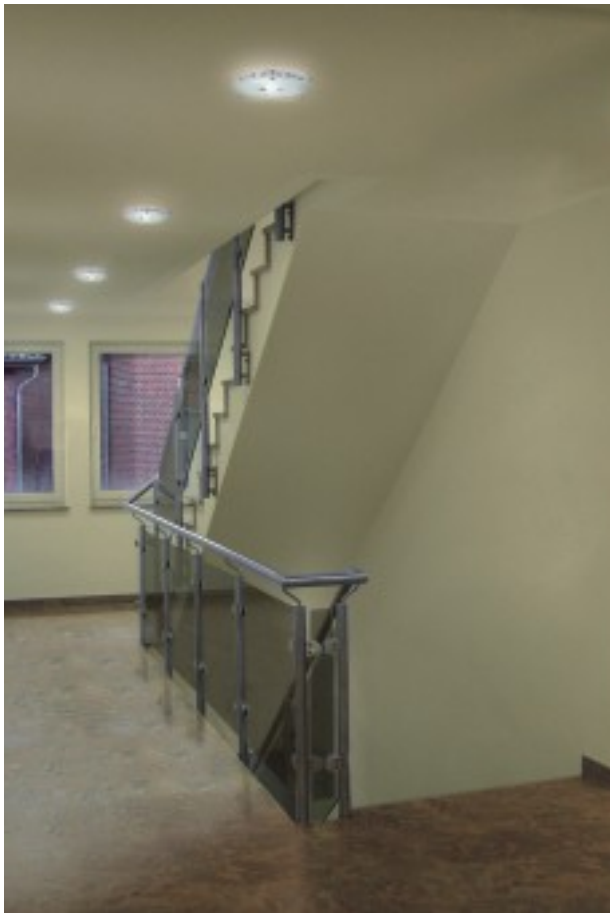
All glass inserts provide splash water protection. Luminaires with permanently glued-in glass covers attain protection mode IP43 (from below) when installed in closed ceiling systems.

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

Ordering example:
Changing ring with IP43 protection pane with ring size of 220 would be:
Article No.: 0117.220.20

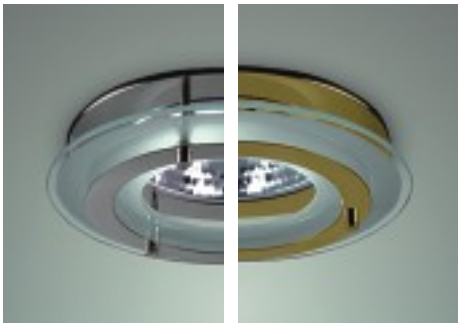
		Article No.	Version	Version: Brass	Chrome	White	Made to RAL
	CR with protection pane, IP43 clear partially-frosted in centre	0117.xxx-.20	Float glass, partially-frosted	○	○	●	○
		0118.xxx-.20	Hardened security glass, partially-frosted	○	○	●	○
	CR with protection pane, IP43 clear partially-frosted at edge	0120.xxx-.20	Float glass, partially-frosted	○	○	●	○
		0121.xxx-.20	Hardened security glass, partially-frosted	○	○	●	○
	CR with protection pane, IP43 satin-frosted, additionally satinized in centre	0123.xxx-.20	Float glass, frosted	○	○	●	○
		0124.xxx-.20	Hardened security glass, frosted	○	○	●	○

Round Downlights – Glasses

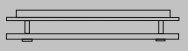
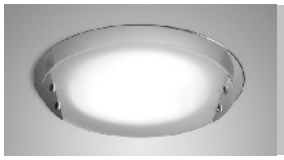
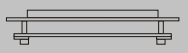


CAPPUCCIO
The supplied standard version is the decorative glass CAPPUCCIO as float glass. For versions in hardened security glass, acrylic glass and borosilicate glass, please inquire separately.

		Version						
Article No.	Version	Hardened security glass	Float glass	Acrylic glass	Borosilicate glass		Glass, satin-frosted	Glass, partially-frosted
4610.125	Decorative glass Ø 140mm	○	●	○	○			●
4610.140	Decorative glass Ø 170mm	○	●	○	○			●
4610.165	Decorative glass Ø 215mm	○	●	○	○			●
4610.190	Decorative glass Ø 240mm	○	●	○	○			●
4610.220	Decorative glass Ø 270mm	○	●	○	○			●
4610.255	Decorative glass Ø 320mm	○	●	○	○			●
4610.315	Decorative glass Ø 380mm	○	●	○	○			●
4618.165	Decorative glass Ø 180mm	○	●	○	○		●	
4618.190	Decorative glass Ø 200mm	○	●	○	○		●	
4618.220	Decorative glass Ø 240mm	○	●	○	○		●	
4618.255	Decorative glass Ø 280mm	○	●	○	○		●	
4618.315	Decorative glass Ø 340mm	○	●	○	○		●	
4615.165	Decorative glass Ø 180mm	○	●	○	○		●	
4615.190	Decorative glass Ø 200mm	○	●	○	○		●	
4615.220	Decorative glass Ø 240mm	○	●	○	○		●	
4615.255	Decorative glass Ø 280mm	○	●	○	○		●	
4615.315	Decorative glass Ø 340mm	○	●	○	○		●	



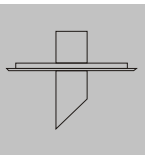
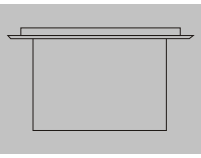
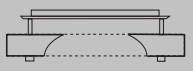
Specially designed for the requirements of hotels and restaurants. Effective and functional, with high-quality materials for use in interior design.

		Article No.	Version		Version: Hardened security glass	Float glass	Acrylic glass		Glass, satin-frosted	Glass, partially-frosted		Brass	Chrome
		4675.190	Decorative glass	Ø 190mm	○	●	○			●		○	●
		4675.220	Decorative glass	Ø 220mm	○	●	○			●		○	●
		4675.255	Decorative glass	Ø 255mm	○	●	○			●		○	●
		4691.190	Decorative glass	Ø 200mm	○	●	○		●			○	●
		4691.220	Decorative glass	Ø 240mm	○	●	○		●			○	●
		4691.255	Decorative glass	Ø 280mm	○	●	○		●			○	●
		4691.315	Decorative glass	Ø 340mm	○	●	○		●			○	●
		4690.190	Decorative glass	Ø 240mm	○	●	○			●		○	●
		4690.220	Decorative glass	Ø 270mm	○	●	○			●		○	●
		4690.255	Decorative glass	Ø 340mm	○	●	○			●		○	●

Round Downlights – Glasses

Decorative and technical accessories fitting inside the reflector opening. Removable for lamp change and cleaning. Combinations of CAPPUCCIO decorative accessorie and inserted in accessories are possible. Of course special solutions can also be realized.

▶ To specify decorative glass cylinders, replace the placeholders .xxxx with the luminaire's Article no.

		Article No.	Version	Version: Float glass	Acrylic glass	Borosilicate glass			Glass clear	Glass frosted	
		0865.xxxx	Decorative glass cylinder, clear	○	○	●			●		
		0866.xxxx	Decorative glass cylinder	○	○	●				●	
		4660.xxxx	Decorative glass cylinder	○	●	○				●	
		4665.xxxx	Decorative glass cylinder, clear	○	●	○			●		
		4670.190	Circular prism Ø 200mm, clear		●				●	○	
		4670.220	Circular prism Ø 230mm, clear		●				●	○	

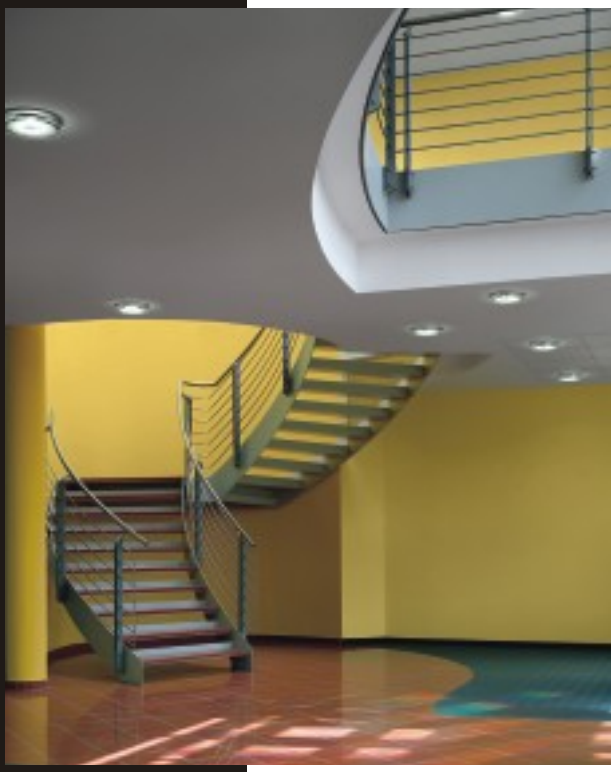
These accessories are not only used for glare control, but also as a decorative element. Since they are mounted centrally, they can also be retro-fitted in existing installations.

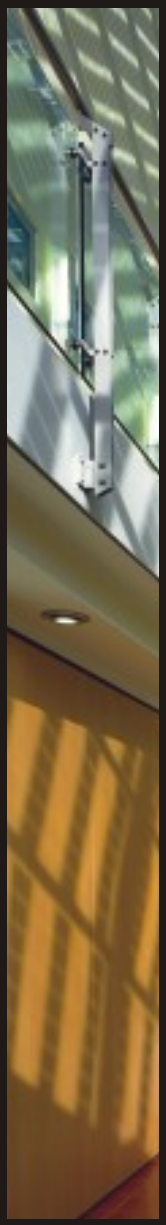
▶ To specify decorative glass cylinders, replace the placeholders .xxxx with the luminaire's Article no.

Article No.	Version		Version: Float glass	Acrylic glass	Borosilicate glass			Glass, satin-frosted	Glass, partially-frosted
4650.190	Decorative glass	Ø 120mm	●	○	○			●	○
4650.220	Decorative glass	Ø 150mm	●	○	○			●	○
4650.255	Decorative glass	Ø 190mm	●	○	○			●	○
4650.315	Decorative glass	Ø 240mm	●	○	○			●	○

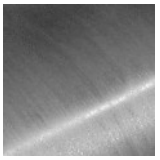
0824.190	Ring louvre silver	
0824.220	Ring louvre silver	
0824.255	Ring louvre silver	
0825.190	Ring louvre white	
0825.220	Ring louvre white	
0825.255	Ring louvre white	

NORTON

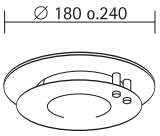




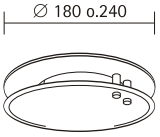
NORTON
This luminaire is noted for its individual surface material. The solid aluminium surround has a finely brushed finish acting as an aesthetic detail. This is further enhanced by a visible reflector edge. Diffuse light is produced using efficient and economical compact fluorescent lamps.



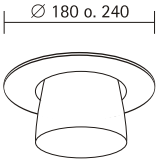
Scotched surface



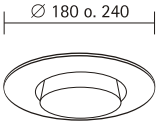
Aluminium disc, scotched with partially satin-frosted, genuine glass pane type N1 one sided. Centrically micro-frosted with a broad clear rim and polished edge.



Aluminium disc, scotched with partially satin-frosted, genuine glass pane type N2 one sided. Fully micro-frosted with a narrow clear rim and polished edge.

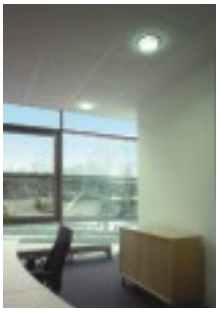


Visible parabolic reflector silver polished. A decorative element for the interior design of prestigious locations.



Solid turned aluminium disc, scotched surface, with visible reflector edge. Parabolic reflector silver polished.

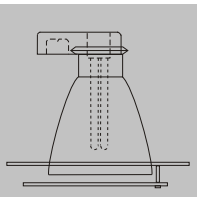
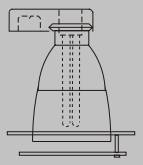
NORTON



NORTON
Recessed downlight NORTON. For TC-De 26W or TC-Te 32W compact fluorescent lamps either 1-flame or 2-flame in vertical 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.

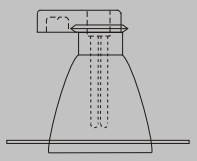
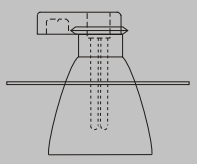
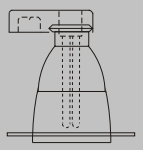
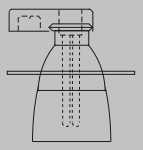
I | 230 VOLT | 0,5 m | TC-De | 10-13W G24q-1 | 18W G24q-2

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

		Article No.	ECG	Lamp version		Version: Glass, type N1	Glass, type N2			Reflector, matt silver	Reflector, high polish silver	Reflector, high polish gold
	Ring Size ∅ 240mm; BIH 205mm; CCO 165mm	4550.118	.-02	1 x TC-Te	18W	●	○			○	●	○
		4550.132	.-02	1 x TC-Te	26/32W	●	○			○	●	○
	Ring Size ∅ 180mm; BIH 190mm; CCO 120mm	4555.113	.-02	1 x TC-De	13W	●	○			○	●	○
		4555.118	.-02	1 x TC-De	18W	●	○			○	●	○

I | 230 VOLT | 0,5 m | TC-De | 10-13W G24q-1 | 18W G24q-2

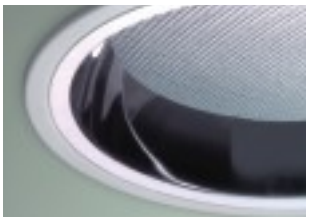
TC-Te | 18W GX24q-2 | 26/32W GX24q-3

			Article No.	ECG	Lamp version		Glass, type N1	Glass, type N2			Reflector, matt silver	Reflector, high polish silver	Reflector, high polish gold
							Version						
	Ring Size ∅ 240mm	BIH 205mm	4570.113	.-02	1 x TC-De	13W					○	●	○
			4570.118	.-02	1 x TC-Te	18W					○	●	○
			4570.132	.-02	1 x TC-Te	26/32W					○	●	○
	Ring Size ∅ 240mm	BIH 130mm	4575.113	.-02	1 x TC-De	13W					○	●	○
			4575.118	.-02	1 x TC-Te	18W					○	●	○
			4575.132	.-02	1 x TC-Te	26/32W					○	●	○
	Ring Size ∅ 180mm	BIH 190mm	4580.113	.-02	1 x TC-De	13W					○	●	○
			4580.118	.-02	1 x TC-De	18W					○	●	○
	Ring Size ∅ 180mm	BIH 120mm	4585.113	.-02	1 x TC-De	13W					○	●	○
			4585.118	.-02	1 x TC-De	18W					○	●	○

KONUS

KONUS
Recessed downlight KONUS. For TC-Te 18W, 26W, 32W or 42W 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.

Recessed downlight with acrylic, frosted opal silk diffuser mounted into the cone. Reduced light intensities, reduced contrasts, pleasing glare-free lighting technology for optically highly discerning areas.



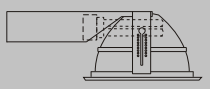
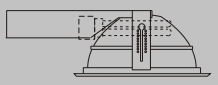
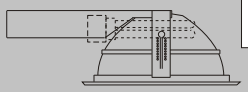
Recessed downlight with prismatic glass diffuser mounted into the cone. Increased brilliance. Reduced light intensities, pleasing glare-free lighting technology for optically highly discerning areas.

Reflector Technology
Polished and piece anodized reflector made of aluminium 99.98% with smooth, high polish silver surface. Other reflector surfaces are available.

▶ See chart

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

I | 230 VOLT | 0,5 m | TC-Te | 18W GX24q-2 | 26/32W GX24q-3 | 42W GX24q-4

		Article No.	ECG	Lamp version		Version: Diffuser, prismatic	Diffuser, opal acrylic	Reflector, matt silver	Reflector, high polish silver	Reflector, high polish gold	Reflector, made to RAL
	Ring Size ∅ 190mm; BIH 105mm; CCO 165mm	4352.118	.-02	1 x TC-Te	18W	○	●	○	●	○	○
		4352.126	.-02	1 x TC-Te	26W	○	●	○	●	○	○
	Ring Size ∅ 220mm; BIH 105mm; CCO 195mm	4354.218	.-02	2 x TC-Te	18W	○	●	○	●	○	○
		4354.132	.-02	1 x TC-Te	26/32W	○	●	○	●	○	○
		4354.232	.-02	2 x TC-Te	26/32W	○	●	○	●	○	○
	Ring Size ∅ 255mm; BIH 105mm; CCO 235mm	4356.132	.-02	1 x TC-Te	26/32W	○	●	○	●	○	○
		4356.232	.-02	2 x TC-Te	26/32W	○	●	○	●	○	○
		4356.142	.-02	1 x TC-Te	42W	○	●	○	●	○	○

HAYD

Recessed Luminaire with Light Optics
Flat, recessed luminaire with decorative, interchangeable ring for prestigious areas. Glare-free and soft light distribution provided by the fitted diffuser, which is made of satin-frosted, genuine glass. Also available with prismatic glass or acrylic glass, opal silk frosted. With wide and angular cover ring, available in different finishes - either in chrome, brass, white silver C3 or any other RAL colour.

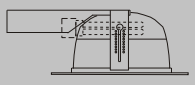
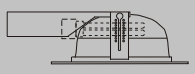
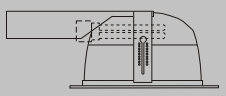
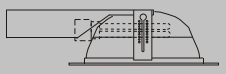
Light optics with diffuser made of highly diffuse, UV deflecting acrylic glass opal silk frosted. Impact resistant and IP43 when mounted into closed ceiling systems.

Light optics with diffuser made of genuine glass. Also available with prismatic surface either clear or frosted, or with a smooth surface micro-frosted on one side.

HAYD
Recessed downlight HAYD. For TC-De or TC-Te compact fluorescent lamps either 1-flame or 2-flame in horizontal burning position, mainly with MultiPower electronic control gear. Prewired ready-to-connect, with heat resistant cable and terminal block, 3-pole (5-pole), for through-wiring with twin strain relief.

Reflector Technology
Polished and piece anodized reflector made of aluminium 99.98% with smooth, high polish silver surface. Other reflector surfaces are available.
▶ See chart

I | 230 VOLT | 0,5 m | TC-De | 18W G24q-2 | TC-Te | 18W GX24q-2 | 26/32W GX24q-3

		Article No.	ECG	Lamp version		Version: Reflector, special white	Reflector, high polish silver			Diffuser, prismatic glass	Diffuser, satin-frosted glass	Diffuser, opal acrylic
	Ring Size ∅ 220mm; BIH 105mm; CCO 165mm	4374.118	.-02	1 x TC-De/Te	18W	○	●			○	○	●
		4374.132	.-02	1 x TC-Te	26/32W	○	●			○	○	●
	Ring Size ∅ 220mm; BIH 85mm; CCO 165mm	4375.118	.-02	1 x TC-De/Te	18W	○	●			○	○	●
		4375.132	.-02	1 x TC-Te	26/32W	○	●			○	○	●
	Ring Size ∅ 255mm; BIH 120mm; CCO 195mm	4377.118	.-02	1 x TC-De/Te	18W	○	●			○	○	●
		4377.218	.-02	2 x TC-De/Te	18W	○	●			○	○	●
		4377.132	.-02	1 x TC-Te	26/32W	○	●			○	○	●
		4377.232	.-02	2 x TC-Te	26/32W	○	●			○	○	●
	Ring Size ∅ 255mm; BIH 85mm; CCO 195mm	4378.118	.-02	1 x TC-De/Te	18W	○	●			○	○	●
		4378.218	.-02	2 x TC-De/Te	18W	○	●			○	○	●
		4378.132	.-02	1 x TC-Te	26/32W	○	●			○	○	●
		4378.232	.-02	2 x TC-Te	26/32W	○	●			○	○	●

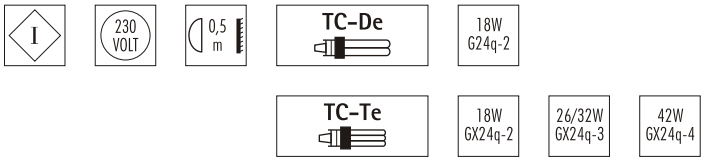
DIFFUS

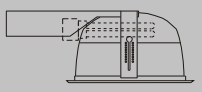
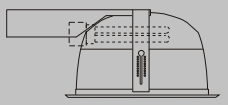
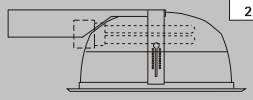
DIFFUS
Due to its distinctive appearance and unusual lighting technology this luminaire represents a special lighting tool for state-of-the-art architecture. Besides the diffuse illumination created by the brightened light surface this downlight gives a directional light beam which is projected directly by the parabolic reflector. Islands of light are becoming and offer a lot of space for created styling. The covering ring is narrow and angular, available in chrome, brass, silver C3, white or other RAL colour.

Recessed Luminaire with Light Optics
Experience light through contemporary luminaire design, consisting of an acrylic diffuser for the diffuse component of light and a recessed parabolic reflector made of aluminium to increase the luminance below the luminaire.

DIFFUS
Recessed downlight DIFFUS. For TC-De or TC-Te compact fluorescent lamps either 1-flame or 2-flame in horizontal burning position, mainly with MultiPower electronic control gear. Prewired ready-to-connect, with heat resistant cable and terminal block, 3-pole (5-pole), for through-wiring with twin strain relief.

Reflector Technology
Polished and piece anodized reflector made of aluminium 99.98% with smooth, high polish silver surface. Other reflector surfaces are available.
▶ See chart

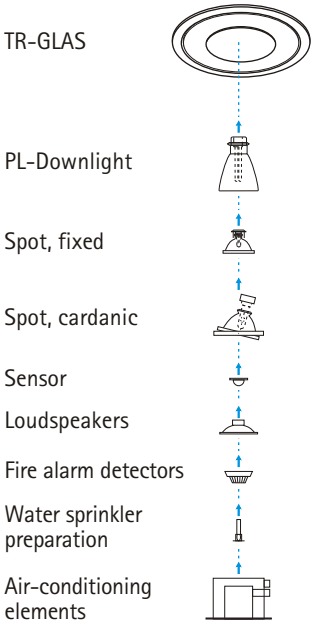


				Article No.	ECG	Lamp version		Version: Reflector, high polish silver	Diffuser, opal	Diffuser, blue	Diffuser, yellow
	Ring Size ∅ 190mm	BIH 105mm	CCO 165mm	4395.118	.-02	1 x TC-Te	18W	●	●	○	○
				4395.132	.-02	1 x TC-Te	26/32W	●	●	○	○
	Ring Size ∅ 220mm	BIH 120mm	CCO 195mm	4397.118	.-02	1 x TC-De/Te	18W	●	●	○	○
				4397.218	.-02	2 x TC-De/Te	18W	●	●	○	○
				4397.132	.-02	1 x TC-Te	26/32W	●	●	○	○
				4397.232	.-02	2 x TC-Te	26/32W	●	●	○	○
				4397.142	.-02	1 x TC-Te	42W	●	●	○	○
	Ring Size ∅ 255mm	BIH 120mm	CCO 235mm	4399.218	.-02	2 x TC-De/Te	18W	●	●	○	○
				4399.132	.-02	1 x TC-Te	26/32W	●	●	○	○
				4399.232	.-02	2 x TC-Te	26/32W	●	●	○	○
				4399.142	.-02	1 x TC-Te	42W	●	●	○	○

TR-GLAS

TR-GLAS
Functionality is an important topic in lighting technology. The TR-GLAS luminaire is the multi-talent in this sector. The centric plate allows the diffuser to be fastened and is also the receptable platform of all system elements.

TR-GLAS + Surface Elements
This product displays ist charm when ceiling-integrated with original ceiling material filling ist centre, creating the impression of a ring, rather than a circle.



TR-GLAS + LV
The minimalistic system adaptor with ist recessed halogen luminaire insert can only be recognized as a luminaire when in operation.

TR-GLAS + LV-Cone
Vertical accentuation and the combination of different colour temperatures allow various lighting moods.

TR-GLAS + PL Vertical
The integrated PL Downlight for auxiliary illumination and mood lighting can also be used for appropriate emergency lighting according to guidelines.

TR-GLAS + CDM-T Cardanic
The cardanic spotlight luminaire allows architectural elements and objects to be highlighted.

TR-GLAS Climate

TR-GLAS Audio

TR-GLAS Multifunctional
The design of this luminaire is shaped by the concentric cover plate. This flexible luminaire center therefore allows the optical and harmonious integration of dual light and building engineering.

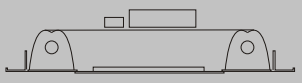
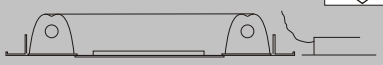
Ordering example:
TR-GLAS 1 x T5 FC 55W
with loudspeaker would be:
Article No.: 4055.155.02 +
system element loudspeaker

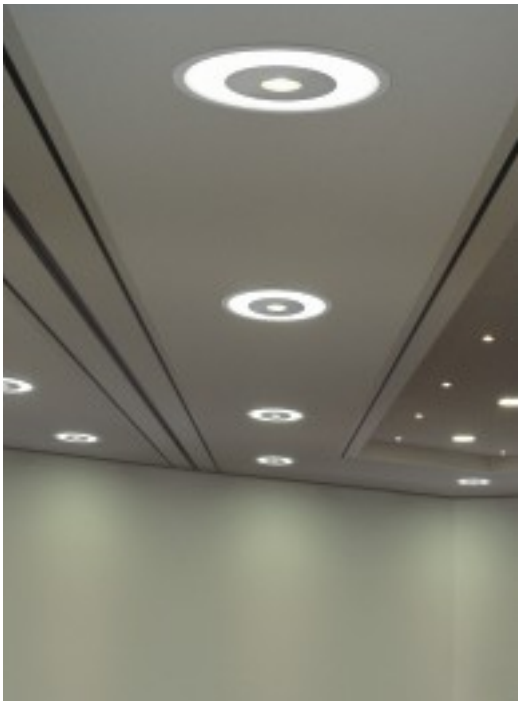
Multifunctional Elements
System adaptors or complete system elements enable connection to the building engineering. Because of the multiple options available all adjustments must be clarified in detail. The description in submissions refers to the selected luminaire´s article number and to the added technical element.

TR-GLAS

TR-GLAS
An enclosed adaptor ring is supplied as standard cover to which the glass diffuser is firmly connected.

I | 230 VOLT | 0,5 m | T5 FC | 40W 2GX13 | 55W 2GX13

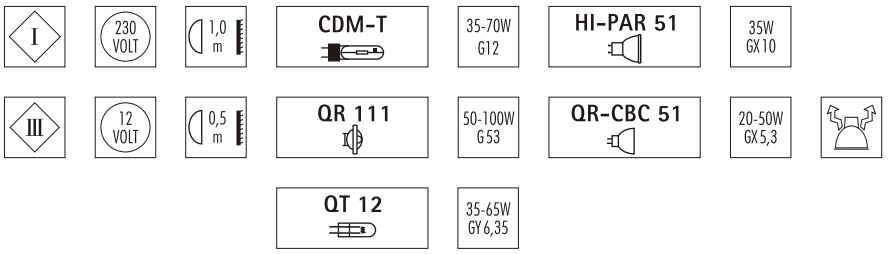
		Article No.	ECG	Lamp version		Version: Reflector, high polish silver	Reflector, special white				Control gear, separate	Control gear, integrated
	BIH 120mm; CCO 385mm; OD 420mm	4055.140	.-02	1 x T5 FC	40W	●	○					●
		4055.155	.-02	1 x T5 FC	55W	●	○					●
	BIH 85mm; CCO 385mm; OD 420mm	4056.140	.-02	1 x T5 FC	40W	●	○				●	
		4056.155	.-02	1 x T5 FC	55W	●	○				●	



TR-GLAS + NV
System adapters for low-voltage luminaires serve to provide accentuating lighting. Pleasant pools of light can be created thanks to the high lumen output.

▶ To specify the choice of reflector, please add:

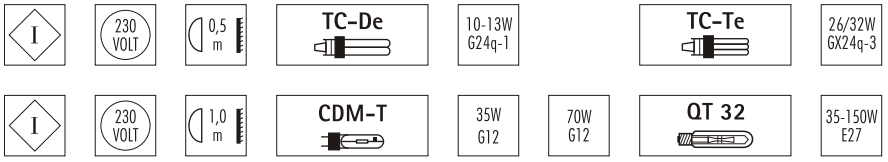
F = Flood
M = Medium
S = Spot

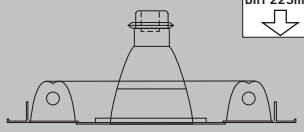
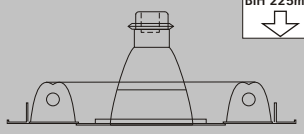


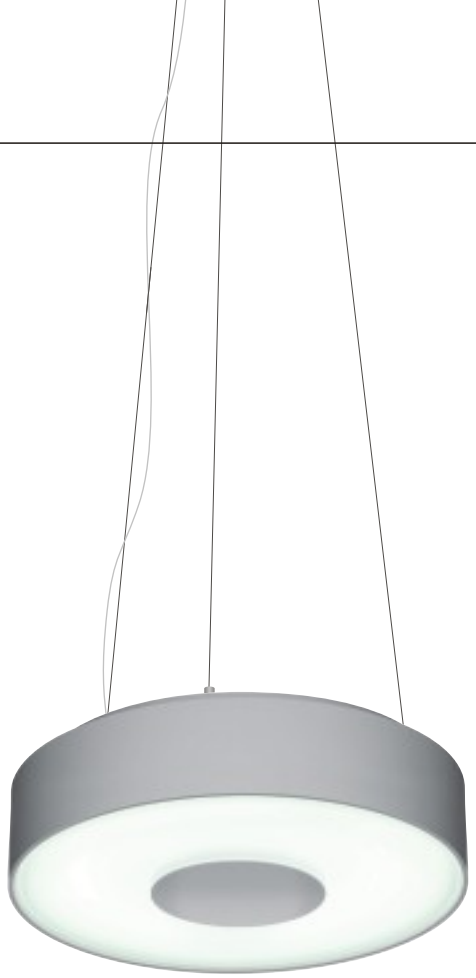
Basic Lamp Version		Article No.	ECG	Lamp version		Version: Reflector, spot	Reflector, medium	Reflector, flood			Lamp, fixed	Lamp, tiltable
1 x T5 FC 55W +	BIH 170mm, OD 420mm	4052.035	.02	1 x CDM-T	35W	○	●	○			●	
		4052.070	.02	1 x CDM-T	70W	○	●	○			●	
		4052.075	.02	1 x QT 12	65W	○	●	○			●	
		4052.111	.02	1 x QR 111	100W						●	
1 x T5 FC 55W +	BIH 100mm, OD 420mm	4053.035	.-02	1 x HI-PAR 51	35W						●	
		4053.051	.-02	1 x QR-CBC 51	50W						●	
		4053.100	.-02	1 x QT 12	50W	○	●	○			●	
1 x T5 FC 55W +	BIH 170mm, OD 420mm	4054.035	.02	1 x CDM-T	35W	○	●	○				●
		4054.070	.02	1 x CDM-T	70W	○	●	○				●
		4054.075	.02	1 x QT 12	65W	○	●	○				●
		4054.111	.02	1 x QR 111	100W							●

TR-GLAS

TR-GLAS Dual Light
The TR-GLAS luminaire with dual light is available in two different basic assemblies, T5 FC 40W or 55W. The separate auxiliary lighting is available in different wattages. It can also be used as emergency lighting.



Basic Lamp Version			Article No.	ECG	Lamp version		Reflector, spot	Reflector, medium	Reflector, flood			Lamp, fixed	Lamp, tiltable
							Version						
1 x T5 FC 40W + 	BIH 225mm	CCO 385mm, OD 420mm	4050.100	.-02	1 x QT32	100W			●			●	
			4050.113	.-02	1 x TC-De	13W			●			●	
			4050.132	.-02	1 x TC-Te	26/32W			●			●	
			4050.135	.-02	1 x CDM-T	35W	○	●	○			●	
			4050.170	.-02	1 x CDM-T	70W	○	●	○			●	
1 x T5 FC 55W + 	BIH 225mm	CCO 385mm, OD 420mm	4051.100	.-02	1 x QT32	100W			●			●	
			4051.113	.-02	1 x TC-De	13W			●			●	
			4051.132	.-02	1 x TC-Te	26/32W			●			●	
			4051.135	.-02	1 x CDM-T	35W	○	●	○			●	
			4051.170	.-02	1 x CDM-T	70W	○	●	○			●	



MULTI-A GLAS
For further models and information, please refer to
▶ P. 206

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