



A vision turns to light

# LIGHT DIMENSIONS CATALOGUE



2004



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# **LIGHT DIMENSIONS CATALOGUE**

## Contents

### DOWNLIGHTS & SPOTS

Crystal Stars .....	Page	8-11
Crystal Deco .....	Page	12-16
Crystal Sense .....	Page	17
Crystal 4 Reflex .....	Page	18-20
Crystal Supreme .....	Page	21
Crystal Emotion .....	Page	22
Crystal Boogie .....	Page	23-25
Crystal Move .....	Page	26-27
Spots .....	Page	28-32
Crystal Fellow .....	Page	33
Crystal Flair .....	Page	34-36
Accessories Downlights & Spots .....	Page	37

### FIBER OPTICS

#### CHARACTERISTICS OF FIBER OPTICAL LIGHTING

When is it sensible to use fiber optical lighting? .....	Page	40
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#### COMPLETE-SETS, READY FOR MOUNTING

Introduction Complete-Sets .....	Page	41
Starry sky „Orion“, 35 stars .....	Page	42-43
Starry sky „Galaxy“, 70 stars .....	Page	44
Starry sky „Universe“, 100 stars .....	Page	45
Starry sky „Stardust“, 150 stars .....	Page	46
Starry sky „Implosion“/„Andromeda“, 40 stars and crystal panel .....	Page	47
Graffiti „Wave Light“, 60 light points .....	Page	48-49
Graffiti „Golden Line“, 35 light points .....	Page	50
Graffiti „Meeting Point“, 70 light points .....	Page	51
Illumination of showers and saunas .....	Page	52-53

#### LIGHT FITTINGS

Light fittings - decorative .....	Page	54-59
Mounting sleeves .....	Page	60-61
Light fittings - functional .....	Page	62-69
Prisms and prism spots .....	Page	62-64
Lens systems and optic spots incl. mounting attachments of lens systems .....	Page	66-69
Recessed floor spots .....	Page	70

## LIGHT GUIDES

Glass fibers - endlight .....	Page	71
Glass fibers - endlight (stock harnesses) .....	Page	72
Glass fibers - sidelight .....	Page	73

## LIGHT PROJECTORS

Light projectors (incl. lamps) .....	Page	74-77
Accessories - fiber optics .....	Page	79

## LED

LED Recessed Spot .....	Page	82-83
LED Crystal panels - LED illuminated .....	Page	84-88
Accessoires LED .....	Page	89

## CRYSTAL PANELS

Ceiling elements - illuminated .....	Page	92-97
Wall elements - non illuminated .....	Page	98-111

## APPENDIX

Pictograms .....	Page	112
IP-Protection class .....	Page	112
Contact addresses .....	Page	113

## DIMENSIONS

All dimensions in mm!

Any liability for printing errors is excluded. Subject to technical modifications!



All luminaires and light projectors are labelled with the CE mark ("Certified Europe" resp. "Communauté Européenne"). This identification confirms the conformity of the product with the "basic requirements" of the applicable European guidelines.





Suspended crystal object creates a variety of

## **LIGHT REFLECTIONS**

ON THE WALL AND CEILING.



Photo: Robert Strygl, Linz

## A VISION TURNS TO LIGHT

How do we perceive light, and what does it mean for us? How does it enhance our rooms?

In our modern age it is increasingly difficult to find relaxation, to feel well and to just let go. So our ambition was to create light for a personalized, harmonious environment - with the power of crystal. We responded to the challenge with freely combinable luminaires, allowing the client to create his very personal rooms, tailored to his very specific needs, reflecting his moods and his own rhythm.

Often it is the first impression that decides whether we like or dislike a room, a hotel, a doctor's practice, an office or a living room. Crystal Downlights are the key to the realisation of unique light concepts that affect everybody in a positive way. Crystal Downlights catch the eye in a living room, they form islands of light, they create pleasant highlights, they give an emotionally colourful touch to the reception hall of a hotel or public building, they guide people along corridors and up staircases, and their rainbow colours are thoroughly decorative. At central locations and in representative spaces, Crystal Downlights create a stimulating and yet harmonious atmosphere. Seats and armchairs or decorative furniture can be highlighted to produce dramatic effects.

With Crystal Downlights, Swarovski offers an exclusive selection of ceiling and wall luminaires. This unique range uses the reflective power of Swarovski crystal of different designs and variations to superb effect. Whether you wish to insinuate energy and power or whether you prefer to mellow the senses with gentle and positive light waves, Crystal Downlights offers endless possibilities and generates a whole world of ideas.

Note:

Lamps not included in the scope of delivery. Transformers are included if stated in the description of the relevant luminaire!





### ATLAS

Downlight (low-voltage) with suspended crystal ring  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm

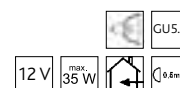


A.8992	NR 030 009	gold-plated
A.8992	NR 020 009	chrome
A.8992	NR 040 009	chrome matte



### ATLAS AB

Downlight (low-voltage) with suspended crystal ring  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 009 AB	gold-plated
A.8992	NR 020 009 AB	chrome
A.8992	NR 040 009 AB	chrom matte



### ATLAS MOON

Downlight (low-voltage) with suspended crystal ring  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 009 Moon	gold-plated
A.8992	NR 020 009 Moon	chrome
A.8992	NR 040 009 Moon	chrome matte



### ATLAS JET

Downlight (low-voltage) with suspended crystal ring  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 009 Jet	gold-plated
A.8992	NR 020 009 Jet	chrome
A.8992	NR 040 009 Jet	chrome matte



The Ritz-Carlton, Berlin - Photo: Torsten Seidel, Berlin

CRYSTAL STARS



CRYSTAL TWIN

Wall lamp, surface-mounted housing, 2 flames, with transformer  
The crystal ring is mounted above the lamp to produce an intensive reflection.  
Recommended distance: 180 mm

Recommended lamp: halogen, low-voltage, max. 50 W, 12 V, pin base GY6.35  
Surface-mounted housing with electronic transformer 105VA.



A.9950	NR 640 002	Crystal
A.9950	NR 640 004	AB
A.9950	NR 640 006	Moon



VEGA

Downlight (low-voltage) with crystal half ball  
Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
Depth of insertion: 70 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 65 mm



A.8992	NR 030 010	gold-plated
A.8992	NR 020 010	chrome
A.8992	NR 040 010	chrome matte



VEGA AB "Z"

Downlight (low-voltage) with crystal half ball  
Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
Depth of insertion: 70 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 65 mm



A.8992	NR 030 010 AB "Z"	gold-plated
A.8992	NR 020 010 AB "Z"	chrome
A.8992	NR 040 010 AB "Z"	chrome matte

## CRYSTAL DECO



## VIAL

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 007	gold-plated
A.8992	NR 020 007	chrome
A.8992	NR 040 007	chrome matte



## ALBA

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 001	gold-plated
A.8992	NR 020 001	chrome
A.8992	NR 040 001	chrome matte



## SOL

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 005	gold-plated
A.8992	NR 020 005	chrome
A.8992	NR 040 005	chrome matte



## AMBIENTE

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 012	gold-plated
A.8992	NR 020 012	chrome
A.8992	NR 040 012	chrome matte





### AMBIENTE COLOR

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 013	gold-plated
A.8992	NR 020 013	chrome
A.8992	NR 040 013	chrome matte



### ICE crystal

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 014	gold-plated
A.8992	NR 020 014	chrome
A.8992	NR 040 014	chrome matte



### ICE COLOR crystal AB

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 015	gold-plated
A.8992	NR 020 015	chrome
A.8992	NR 040 015	chrome matte



### ICE BREEZE medium sapphire

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 016	gold-plated
A.8992	NR 020 016	chrome
A.8992	NR 040 016	chrome matte



**ICE SPRINGTIME** antique green

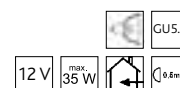
Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 018	gold-plated
A.8992	NR 020 018	chrome
A.8992	NR 040 018	chrome matte

**ICE SUNSET** crystal/light topaz

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 017	gold-plated
A.8992	NR 020 017	chrome
A.8992	NR 040 017	chrome matte

**ICE MENTALITY** rosaline

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 019	gold-plated
A.8992	NR 020 019	chrome
A.8992	NR 040 019	chrome matte

**ICE BORDEAUX** crystal/bordeaux red

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 030	gold-plated
A.8992	NR 020 030	chrome
A.8992	NR 040 030	chrome matte

## CRYSTAL DECO

**RAINDROPS OCEAN** crystal/sapphire

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 020	gold-plated
A.8992	NR 020 020	chrome
A.8992	NR 040 020	chrome matte

**RAINDROPS BALANCE** crystal/emerald

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 021	gold-plated
A.8992	NR 020 021	chrome
A.8992	NR 040 021	chrome matte

**RAINDROPS SPIRIT** crystal/topaz

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 022	gold-plated
A.8992	NR 020 022	chrome
A.8992	NR 040 022	chrome matte

**RAINDROPS VITALITY** crystal/light siam

Downlight (low-voltage) with suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 023	gold-plated
A.8992	NR 020 023	chrome
A.8992	NR 040 023	chrome matte





## SPHERE

Downlight (low-voltage) with suspended crystal décor element with special polished crystals  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm

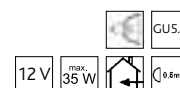


A.8992	NR 030 027	gold-plated
A.8992	NR 020 027	chrome
A.8992	NR 040 027	chrome matte



## BURST

Downlight (low-voltage) with suspended crystal décor element with special polished crystals  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm

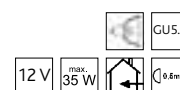


A.8992	NR 030 029	gold-plated
A.8992	NR 020 029	chrome
A.8992	NR 040 029	chrome matte



## RHOMB

Downlight (low-voltage) with suspended crystal décor element with special coated crystals  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 024	gold-plated
A.8992	NR 020 024	chrome
A.8992	NR 040 024	chrome matte



## CUBE

Downlight (low-voltage) with suspended crystal décor element with special coated crystals  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 030 025	gold-plated
A.8992	NR 020 025	chrome
A.8992	NR 040 025	chrome matte



## CRYSTAL 4 REFLEX



### BREATH medium sapphire/sapphire

Downlight (low-voltage) with an extravagant suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 500 000	gold-plated
A.8992	NR 500 010	chrome
A.8992	NR 500 020	chrome matte



### FUNTASY crystal/light topaz

Downlight (low-voltage) with an extravagant suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 500 100	gold-plated
A.8992	NR 500 110	chrome
A.8992	NR 500 120	chrome matte



### HARMONY antique green/emerald

Downlight (low-voltage) with an extravagant suspended crystal décor element  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 500 200	gold-plated
A.8992	NR 500 210	chrome
A.8992	NR 500 220	chrome matte



### MOOD crystal/light topaz, antique green/emerald, medium sapphire/sapphire

Downlight (low-voltage) for individual combinations with extravagant crystal décor elements,  
 (2 décor elements per colour)  
 Recommended lamp: halogen, low-voltage, 35 W, Ø 50 mm, pin base GU5.3  
 Depth of insertion: 100 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 65 mm



A.8992	NR 500 300	gold-plated
A.8992	NR 500 310	chrome
A.8992	NR 500 320	chrome matte

## CRYSTAL 4 REFLEX

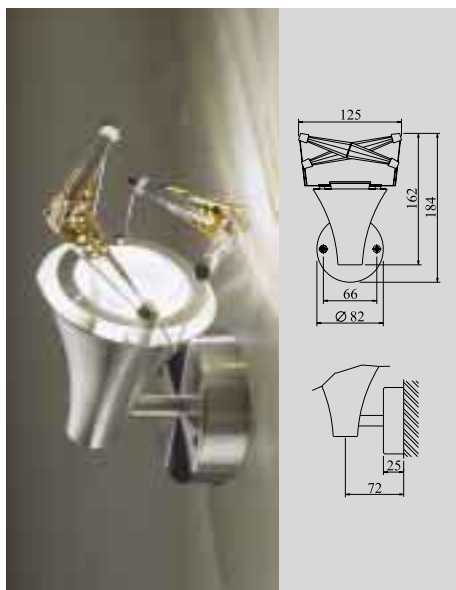
**WALL BREATH** medium sapphire/sapphire

Wall luminaire (high-voltage 230 V) with decorative crystal elements

Recommended lamp: halogen, high-voltage 230 V, 50 W, base GZ10



A.9950 NR 600 008

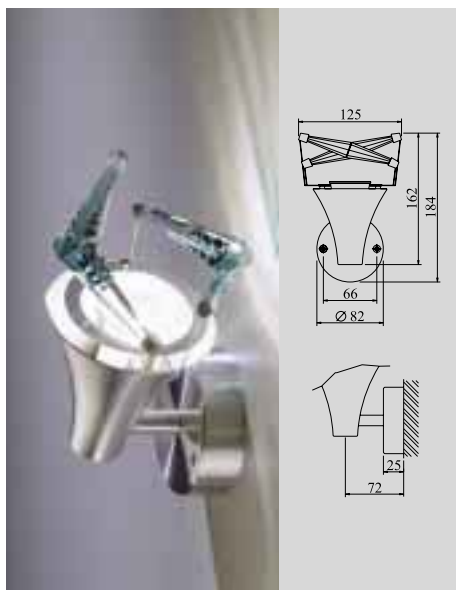
**WALL FUNTASY** crystal/light topaz

Wall luminaire (high-voltage 230 V) with decorative crystal elements

Recommended lamp: halogen, high-voltage 230 V, 50 W, base GZ10



A.9950 NR 600 006

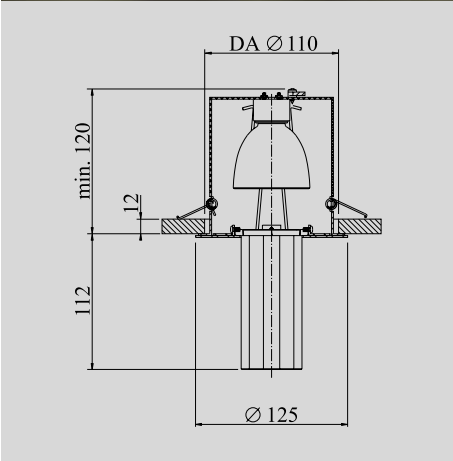
**WALL HARMONY** antique green/emerald

Wall luminaire (high-voltage 230 V) with decorative crystal elements

Recommended lamp: halogen, high-voltage 230 V, 50 W, base GZ10



A.9950 NR 600 007

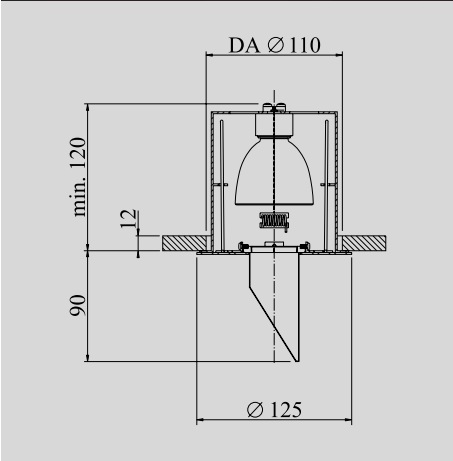


SUPREME VIEW

Functional built-in luminaire, Swarovski glass reflector combined with cut crystal prism  
Recommended lamp: halogen, low-voltage, max. 50 W, 12 V, frosted, pin base GY6.35  
Depth of insertion: 120 mm  
Ceiling thickness: 12.5 - 15 mm  
Ceiling opening: Ø 110 mm  
Weight: 1,600 g

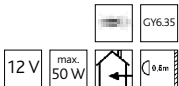


A.9950 NR 700 000



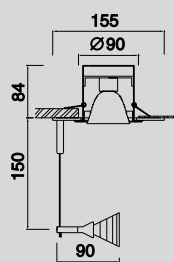
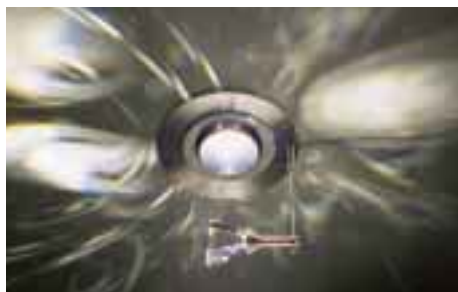
SUPREME REFLECT

Functional built-in luminaire, Swarovski glass reflector combined with cut 32° deviating prism  
Recommended lamp: halogen, low-voltage, max. 50 W, 12 V, frosted, pin base GY6.35  
Depth of insertion: 120 mm  
Ceiling thickness: 12.5 - 15 mm  
Ceiling opening: Ø 110 mm  
Weight: 1,200 g  
Application: Wallwasher



A.9950 NR 700 100

## CRYSTAL EMOTION

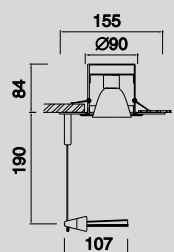


## FLAME

Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the wall and ceiling.  
Crystal horizontally and vertically adjustable.  
Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35  
Aluminium reflector, wide beam 2 x 40°  
Depth of insertion: 84 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 90 mm



A.9950 NR 610 022

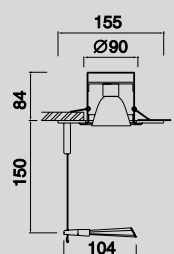
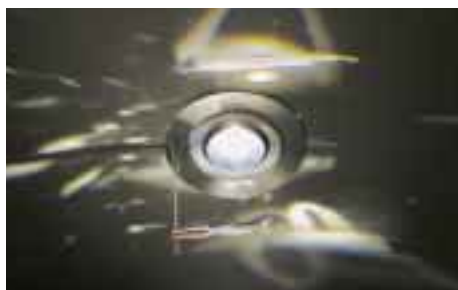


## WING

Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the wall and ceiling.  
Crystal horizontally and vertically adjustable.  
Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35  
Aluminium reflector, wide beam 2 x 40°  
Depth of insertion: 84 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 90 mm



A.9950 NR 610 012



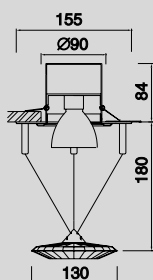
## FANCY

Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the wall and ceiling.  
Crystal horizontally and vertically adjustable.  
Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35  
Aluminium reflector, wide beam 2 x 40°  
Depth of insertion: 84 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 90 mm



A.9950 NR 610 002



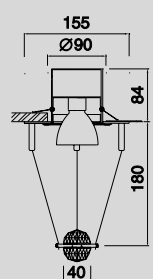


### DELIA DELUXE ATLAS

Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the ceiling.  
Recommended lamp: halogen, low-voltage, clear, max. 50 W, 12 V, pin base GY6.35  
Swarovski glass reflector 2 x 28°  
Depth of insertion: 84 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 90 mm



A.9950 NR 630 002

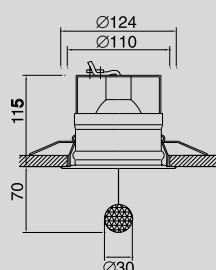


### DELIA DELUXE GLOBE

Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the ceiling.  
Recommended lamp: halogen, low-voltage, clear, max. 50 W, 12 V, pin base GY6.35  
Swarovski glass reflector, 2 x 28°  
Depth of insertion: 84 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 90 mm



A.9950 NR 630 012

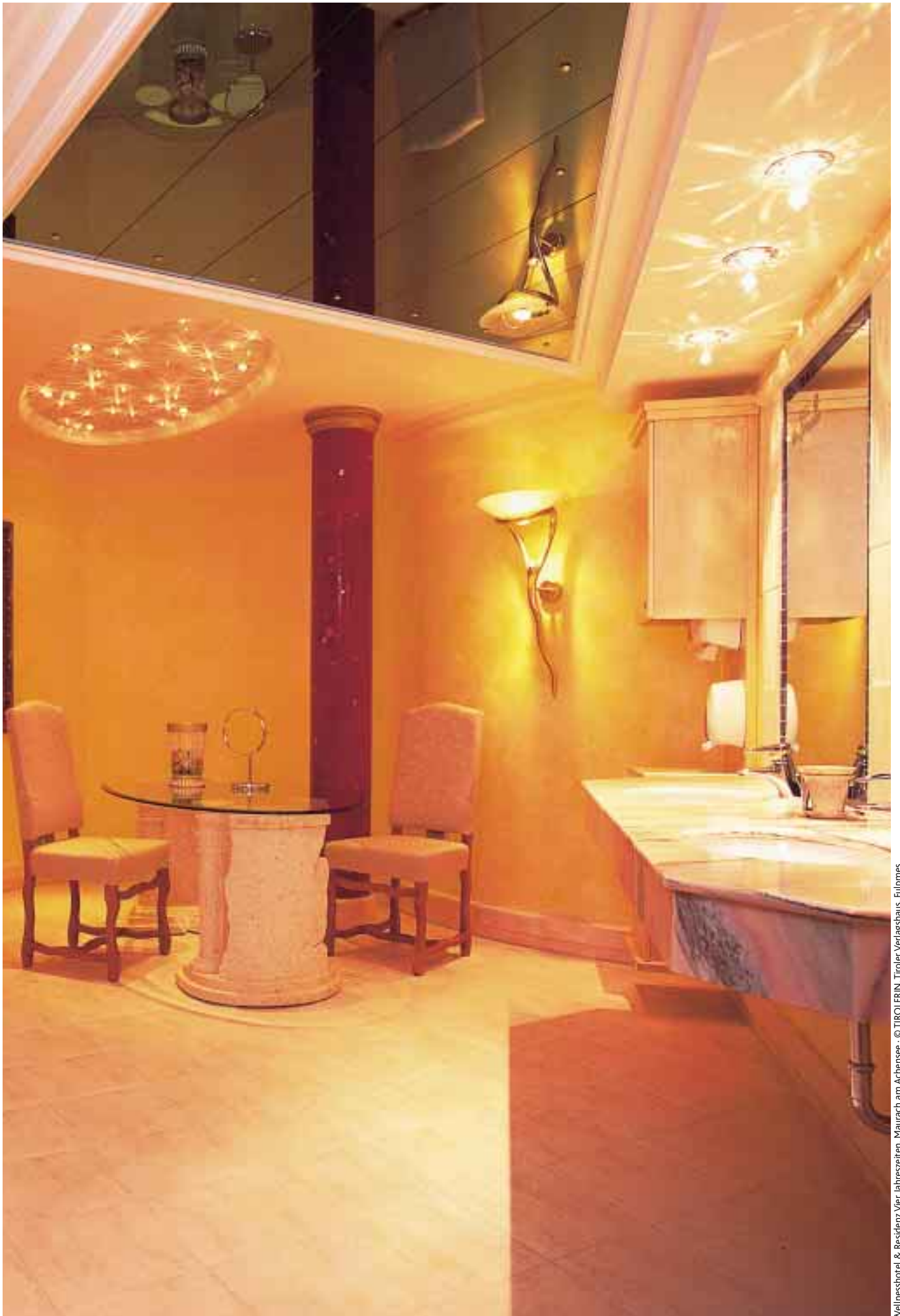


### CRYSTAL BOOGIE, BALL

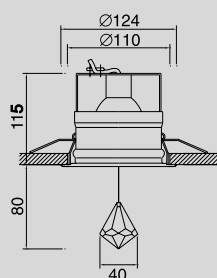
Ceiling lamp, recessed housing  
Suspended crystal object creates a variety of light reflections on the ceiling.  
Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35  
Depth of insertion: 115 mm  
Ceiling thickness: 1 - 15 mm  
Ceiling opening: Ø 110 mm



A.9950 NR 650 002







## CRYSTAL BOOGIE, PYRAMID

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the ceiling.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

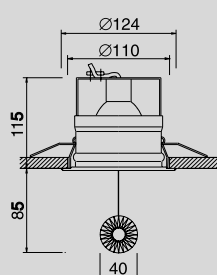
Depth of insertion: 115 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 110 mm



A.9950 NR 650 012



## CRYSTAL BOOGIE, SUN

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the ceiling.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

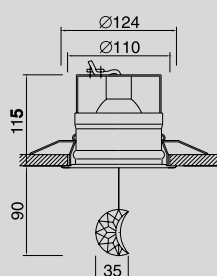
Depth of insertion: 115 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 110 mm



A.9950 NR 650 022



## CRYSTAL BOOGIE, MOON

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the ceiling.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

Depth of insertion: 115 mm

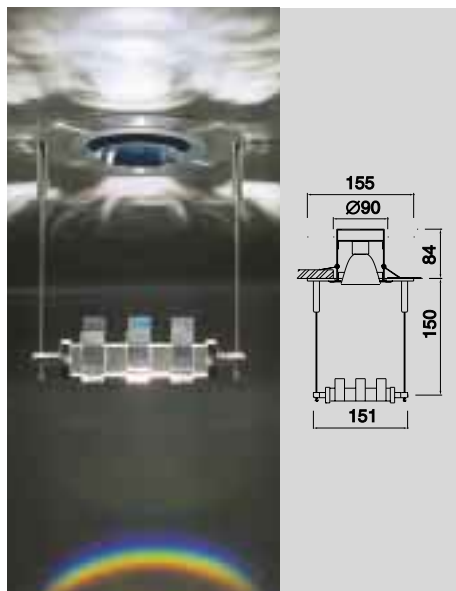
Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 110 mm



A.9950 NR 650 032





### FLASH REFLECT 32° PRISMS

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the wall and ceiling.

Crystal horizontally and vertically adjustable.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

Aluminium reflector, wide beam 2 x 40°

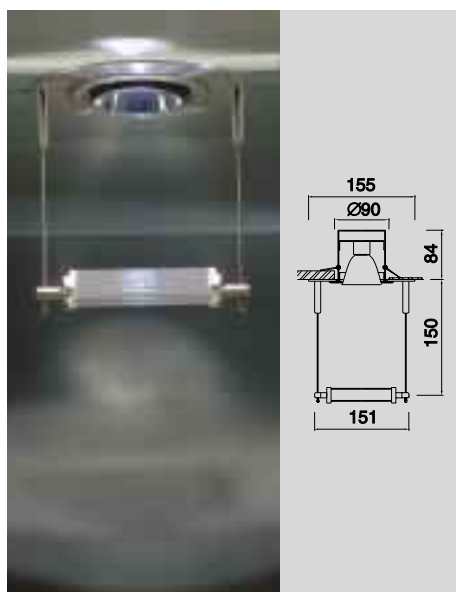
Depth of insertion: 84 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 90 mm



A.9950 NR 620 012



### RAINBOW

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the wall and ceiling.

The most beautiful effect is achieved if the distance of the lamp to the wall is approximately 750 mm or more.

Crystal horizontally and vertically adjustable.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

Aluminium reflector, wide beam 2 x 40°

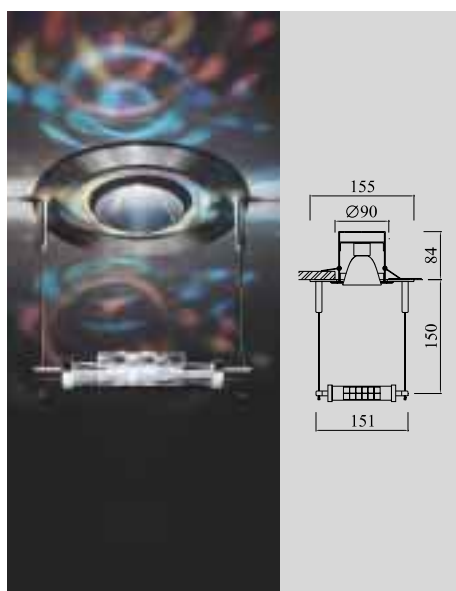
Depth of insertion: 84 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 90 mm



A.9950 NR 620 022



### DYNAMIC

Ceiling lamp, recessed housing

Suspended crystal object creates a variety of light reflections on the wall and ceiling.

Crystal horizontally and vertically adjustable.

Recommended lamp: halogen, low-voltage, frosted, max. 50 W, 12 V, pin base GY6.35

Aluminium reflector, wide beam 2 x 40°

Depth of insertion: 84 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 90 mm



A.9950 NR 620 042

## SPOTS

Versions:  
Reflector:

Optionally with translucent or satined reflector  
Glass (borosilicate), Ø 65 mm

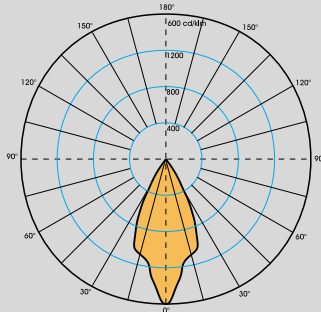
Approx. 50 vacuum-coated layers of titanium dioxide and silicium dioxide ensure an extremely high surface reflection and a luminous efficiency of 86 %. The use of titanium as a hard metal layer impervious to wear means, in terms of time and quality, that the reflector will function unlimitedly. The special esthetics of the luminaires are a result of that special coating as well.

Housing:

Steel silver-grey, matte - aluminium parts, ground



Reflector Ø 65 mm, translucent  
Dispersion angle: 2 x 28°, Efficiency:  $\eta_{\text{L}}$  86%



Light distribution curve of  
Swarovski glass reflectors



Reflector Ø 65 mm, satined  
Dispersion angle: 2 x 28°, Efficiency:  $\eta_{\text{L}}$  86%



## AVANA

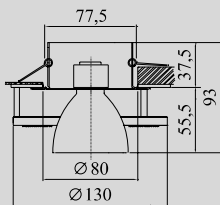
Recessed spot with decorative crystal ring

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Depth of insertion: 45 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 180 100 Reflector protruding



## FANA

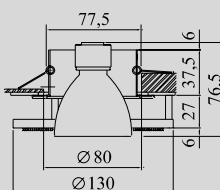
Recessed spot with decorative crystal ring

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Depth of insertion: 55 mm

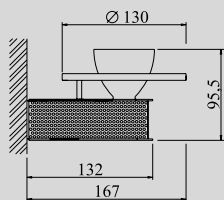
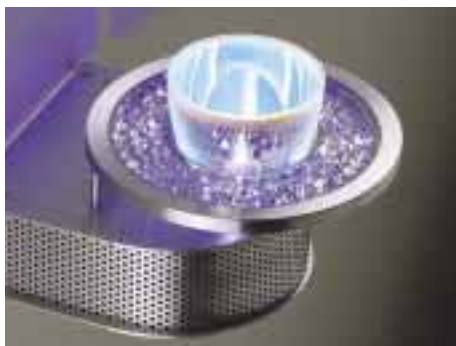
Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 180 200 Reflector flush with decorative element

## SPOTS



### VITANA

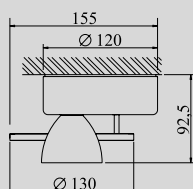
Wall lamp with decorative crystal ring

Recommended lamp: halogen, low-voltage max. 35 W, 12 V, pin base GY6.35

Surface-mounted housing with integrated electronic transformer 70VA



A.9950 NR 600 009



### SIDANA

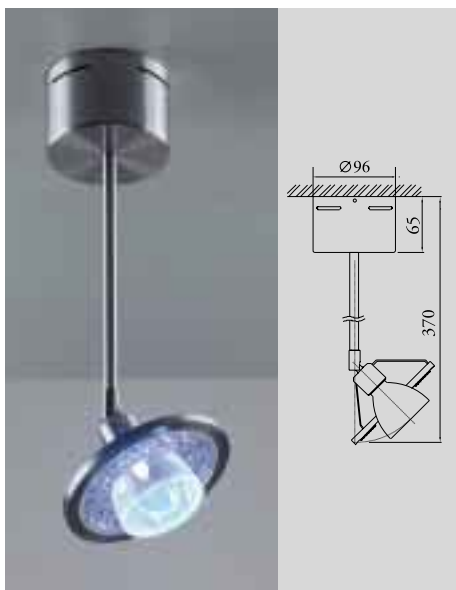
Surface mounted spot with decorative crystal ring

Recommended lamp: halogen, low-voltage max. 35 W, 12 V, pin base GY6.35

Surface-mounted housing with integrated electronic transformer 70VA



A.9950 NR 600 010



### SENSEA

Surface mounted spot with pendant rod and decorative crystal ring

Total length: 370 mm

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Surface mounted housing with integrated electronic transformer 70VA



A.9950 NR 180 300 Surface mounted housing with pendant rod - with swivel and tilt joint





## SPOTS



### CYNTHA

Surface mounted spot with pendant rod and with a decorative crystal ring suspended with 3 steel wires  
 Total length: 350 mm  
 Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35  
 Surface mounted housing with integrated electronic transformer 70VA



A.9950	NR 180 400	Surface mounted housing with pendant rod - without swivel and tilt joint
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### DIONA

Recessed spot  
 Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35  
 Depth of insertion: max. 80 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 80 mm



A.9950	NR 110 200	Recessed housing - reflector flush with ceiling	translucent
A.9950	NR 110 201	Recessed housing - reflector flush with ceiling	satined
A.9950	NR 110 500	Recessed housing - reflector protruding	translucent
A.9950	NR 110 501	Recessed housing - reflector protruding	satined



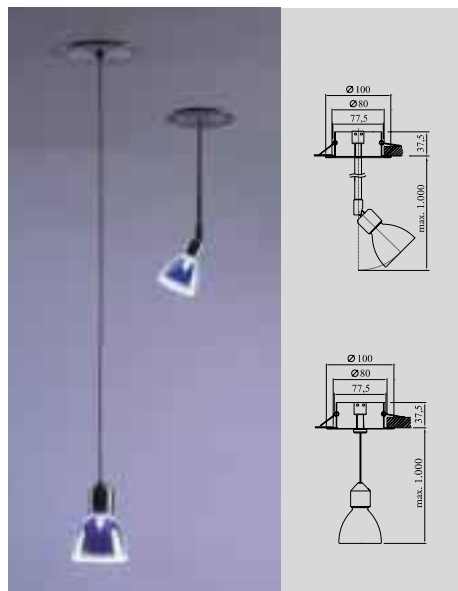
### TABEA

Recessed spot  
 Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35  
 Depth of insertion: max. 45 mm  
 Ceiling thickness: 1 - 15 mm  
 Ceiling opening: Ø 80 mm



A.9950	NR 120 200	Recessed housing without swivel and tilt joint	translucent
A.9950	NR 120 201	Recessed housing without swivel and tilt joint	satined
A.9950	NR 120 500	Recessed housing with swivel and tilt joint	translucent
A.9950	NR 120 501	Recessed housing with swivel and tilt joint	satined

## SPOTS



## ELARA

Recessed spot

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Total length: max. 1,000 mm

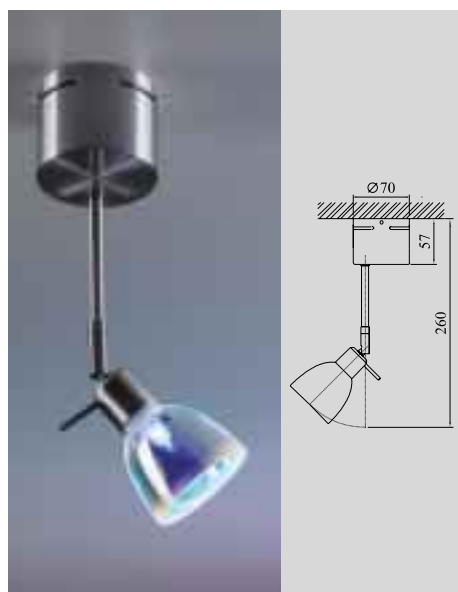
Depth of insertion: 45 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950	NR 140 300	Recessed housing with pendant rod*, without swivel and tilt joint, translucent
A.9950	NR 140 301	Recessed housing with pendant rod*, without swivel and tilt joint, satined
A.9950	NR 140 500	Recessed housing with coaxial cable**, without swivel and tilt joint, translucent
A.9950	NR 140 501	Recessed housing with coaxial cable**, without swivel and tilt joint, satined



## SITHEA

Surface mounted spot

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Surface mounted housing with integrated electronic transformer 70VA

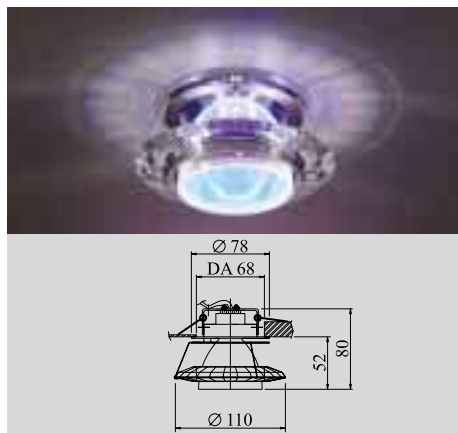


A.9950	NR 500 100	Surface mounted housing - turnable and tiltable, translucent
A.9950	NR 500 101	Surface mounted housing - turnable and tiltable, satined

\* Versions with length 200/400/600 and 800 mm on request

\*\* Coaxial cable can be shortened at location





### TURNAROUND CRYSTAL

Recessed spot with precisely cut crystal ring creates uniform light reflections on the ceiling and functional lighting of the room.

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

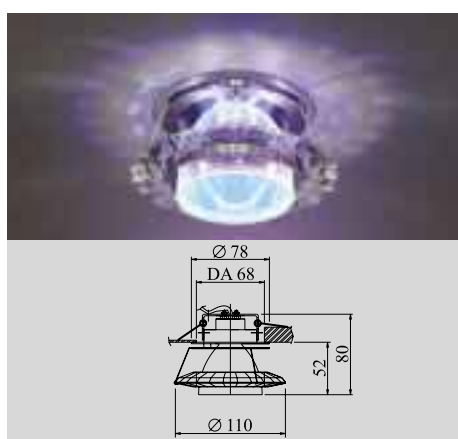
Depth of insertion: 45 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 600 002



### TURNAROUND AB

Recessed spot with precisely cut vaporized crystal ring creates uniform light reflections on the ceiling and functional lighting of the room.

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

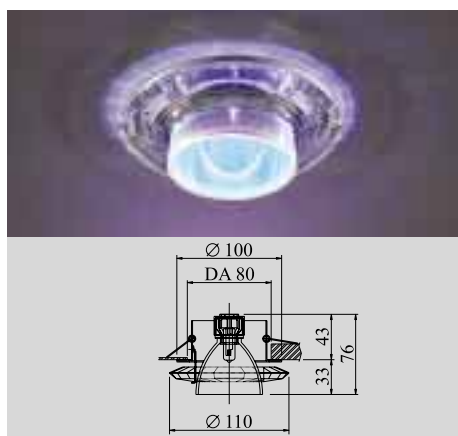
Depth of insertion: 45 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 600 003



### TEMPER CRYSTAL

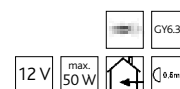
Recessed spot with precisely cut crystal ring creates uniform light reflections on the ceiling and functional lighting of the room. The metal part of the luminaire is covered by the crystal ring in front of it and therefore barely noticeable.

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

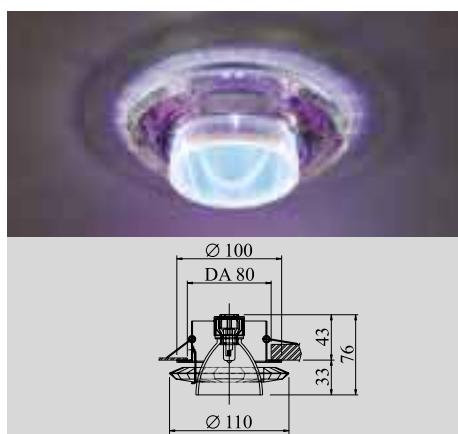
Depth of insertion: 45 mm

Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 600 004



### TEMPER AB

Recessed spot with precisely cut vaporized crystal ring creates uniform light reflections on the ceiling and functional lighting of the room. The metal part of the spotlight is covered by the crystal ring in front of it and therefore barely noticeable.

Recommended lamp: halogen, low-voltage max. 50 W, 12 V, pin base GY6.35

Depth of insertion: 45 mm

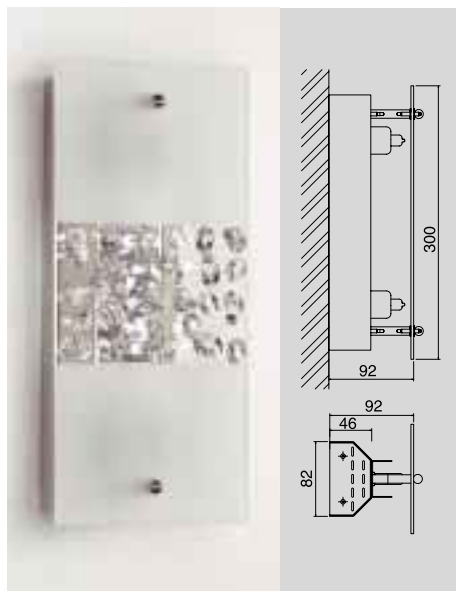
Ceiling thickness: 1 - 15 mm

Ceiling opening: Ø 80 mm



A.9950 NR 600 005



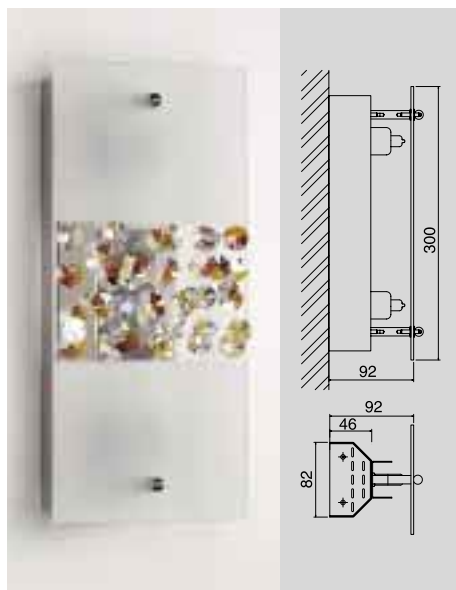


### SLENDID CRYSTAL

Wall lamp with crystal application, surface-mounted housing  
 Dimension: 127 x 286 mm  
 Housing: stainless steel, polished  
 Recommended lamp\*: halogen, low-voltage max. 2 x 35 W, 12 V, pin base GY6.35  
 Transformer\*: electronic 20 - 70 VA, 11.5 V, 220 - 240 V, 50 - 60 Hz



A.9360 NR 110 011

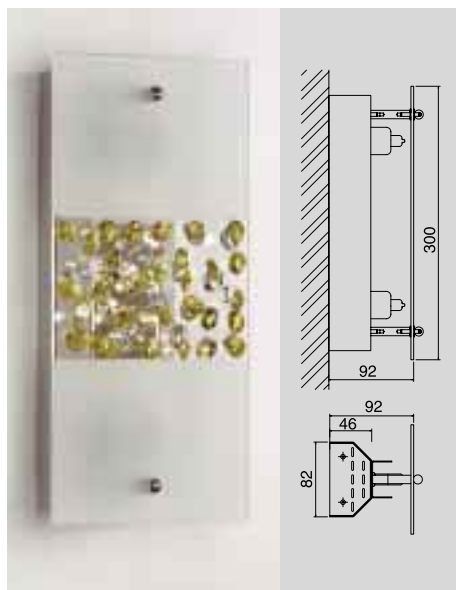


### SLENDID AB

Wall lamp with crystal application, surface-mounted housing  
 Dimension: 127 x 286 mm  
 Housing: stainless steel, polished  
 Recommended lamp\*: halogen, low-voltage max. 2 x 35 W, 12 V, pin base GY6.35  
 Transformer\*: electronic 20 - 70 VA, 11.5 V, 220 - 240 V, 50 - 60 Hz

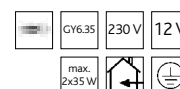


A.9360 NR 120 011



### SLENDID TOPAZ

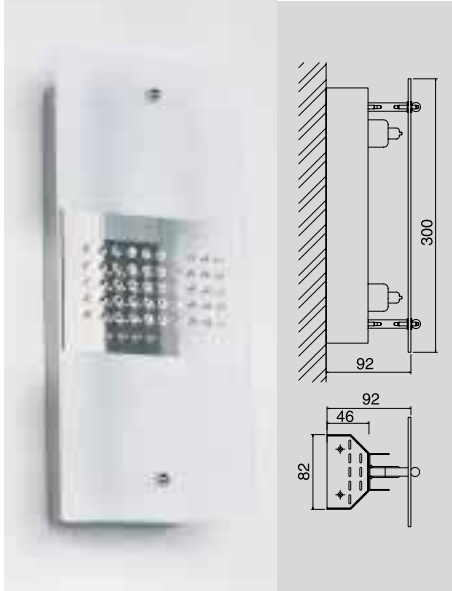
Wall lamp with crystal application, surface-mounted housing  
 Dimension: 127 x 286 mm  
 Housing: stainless steel, polished  
 Recommended lamp\*: halogen, low-voltage max. 2 x 35 W, 12 V, pin base GY6.35  
 Transformer\*: electronic 20 - 70 VA, 11.5 V, 220 - 240 V, 50 - 60 Hz



A.9360 NR 130 011

\* Lamps and transformers included in the scope of delivery.

## CRYSTAL FLAIR

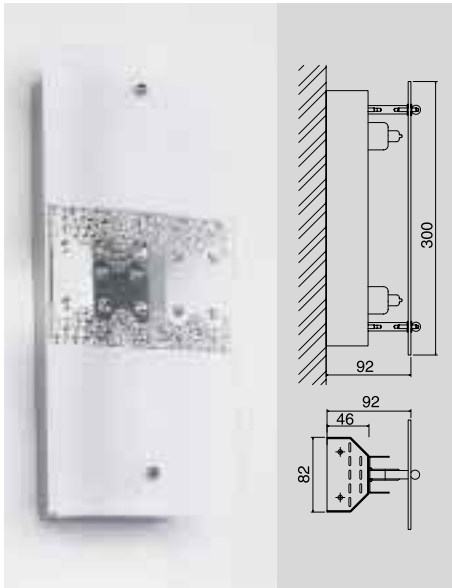


## MATRIX

Wall lamp with crystal application, surface-mounted housing  
 Dimension: 127 x 286 mm  
 Housing: stainless steel, polished  
 Recommended lamp\*: halogen, low-voltage max. 2 x 35 W, 12 V, pin base GY6.35  
 Transformer\*: electronic 20 - 70VA, 11.5 V, 220 - 240 V, 50 - 60 Hz

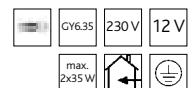


A.9360 NR 050 011



## WAVE

Wall lamp with crystal application, surface-mounted housing  
 Dimension: 127 x 286 mm  
 Housing: stainless steel, polished  
 Recommended lamp\*: halogen, low-voltage max. 2 x 35 W, 12 V, pin base GY 6.35  
 Transformer\*: electronic 20 - 70VA, 11.5 V, 220 - 240 V, 50 - 60 Hz



A.9360 NR 020 011

\* Lamps and transformers included in the scope of delivery.

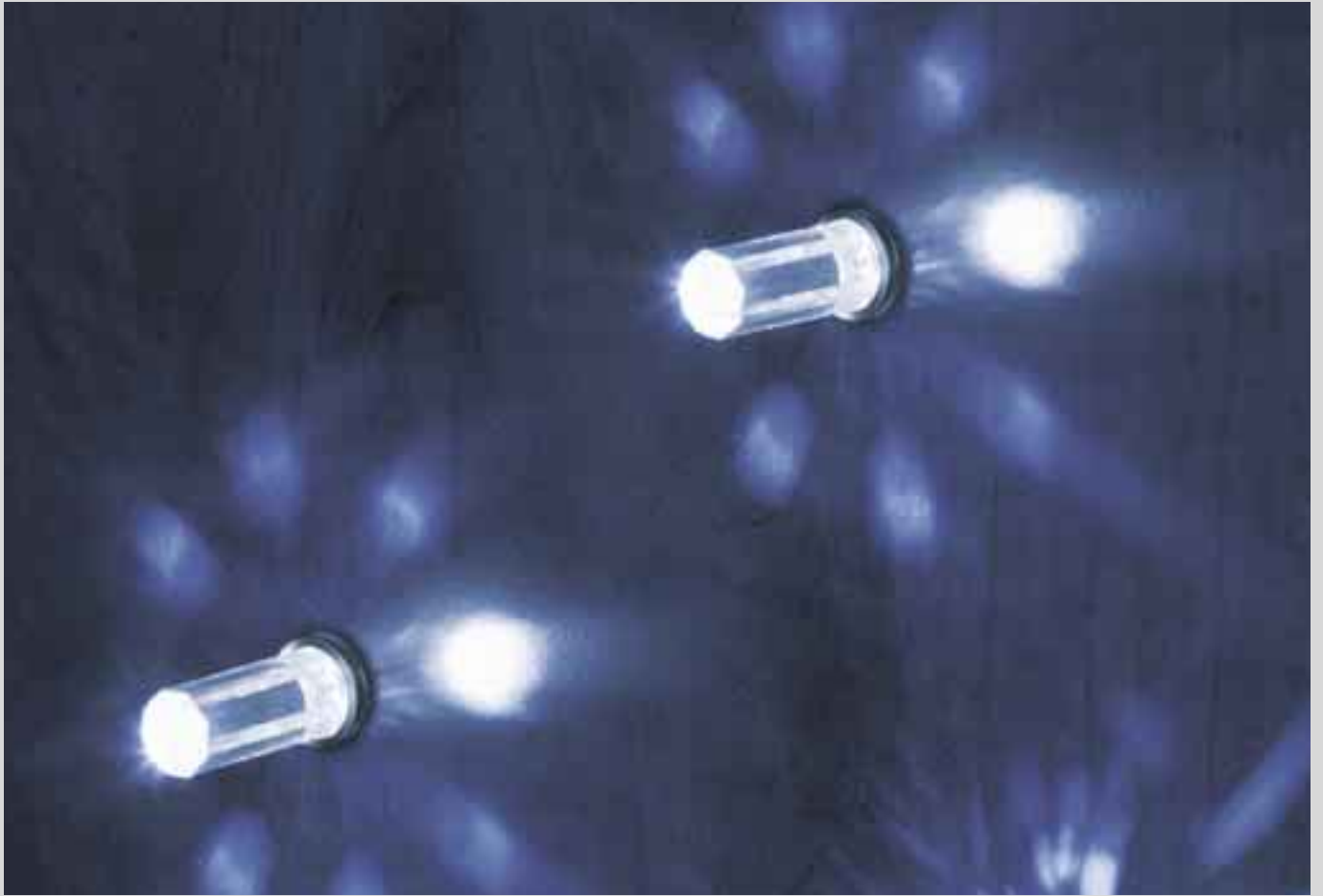
## ACCESSORIES CRYSTAL DOWNLIGHTS & SPOTS

Lamps are not included in the scope of delivery.

Transformers are included when quoted in the specification!

<b>Lamp for Crystal Stars, Crystal Deco, Crystal Sense and Crystal 4 Reflex (recessed version) programme:</b>		
A.8999	NR 122 040	Cool spot 35 W, diameter 50 mm, dispersion angle 38°, pin base GU5.3
<b>Lamp for Crystal 4 Reflex wall lamp:</b>		
A.9950	NR 500 001	Halogen-PAR-bulb 230 V/50 W, diameter 51 mm, base GZ10
<b>Transformer for Crystal Stars, Crystal Deco, Crystal Sense and Crystal 4 Reflex (recessed version) programme:</b>		
A.8999	NR 004 708	Transformer, electronic, 70VA, 11.3 V, 230 V, 50 Hz, dimension: 150 x 36 x 28 mm
<b>Lamp for Crystal Supreme, Crystal Emotion, Crystal Boogie* and Crystal Move programme:</b>		
A.9950	NR 509 600	Halogen, low-voltage, frosted, 50 W, 12 V, pin base GY6.35
<b>* for Boogie - Delia Deluxe Atlas:</b>		
A.9950	NR 502 510	Halogen, low-voltage, clear, 50 W, 12 V, pin base GY6.35
<b>Transformers for Crystal Supreme, Crystal Emotion, Crystal Boogie and Crystal Move programme:</b>		
A.9950	NR 500 120	Transformer, electronic, 20 - 70VA, 11.5 V, 230 - 240 V, 50 - 60 Hz, Tridonic, dimension: 120 x 42 x 31 mm
A.9950	NR 500 130	Transformer, electronic, 35 - 105VA, 11.5 V, 230 - 240 V, 50 - 60 Hz, Tridonic, dimension: 120 x 42 x 31 mm
<b>Lamps for Spots and Crystal Fellow programme:</b>		
A.9950	NR 502 510	Halogen, low-voltage, clear, 50 W, 12 V, pin base GY6.35
A.9950	NR 509 590	Halogen, low-voltage, frosted, 35 W, 12 V, pin base GY6.35
A.9950	NR 509 600	Halogen, low-voltage, frosted, 50 W, 12 V, pin base GY6.35
A.9950	NR 502 600	Halogen, low-voltage, clear, 35 W, 12 V, pin base GY6.35
<b>Transformers for Spots and Crystal Fellow programme:</b>		
A.9950	NR 500 120	Transformer, electronic, 20 - 70VA, 11.5 V, 230 - 240 V, 50 - 60 Hz, Tridonic, dimension: 120 x 42 x 31 mm
A.9950	NR 500 130	Transformer, electronic, 35 - 105VA, 11.5 V, 230 - 240 V, 50 - 60 Hz, Tridonic, dimension: 120 x 42 x 31 mm





## **... CELEBRATING THE IMPACT**

OF BRILLIANCY AND ORNAMENTATION





The Ritz-Carlton, Berlin - Photo: Torsten Seidel, Berlin

## CHARACTERISTICS OF FIBER OPTICAL LIGHTING

When is it sensible to use fiber optical lighting?

Conventional light sources, such as halogen spots, fluorescent tubes, etc., are prevalent in lighting engineering and used in a variety of ways - decoratively and functionally.

In some cases, however, these types of light sources cause problems (e.g. heat and UV radiation) which damage the exhibited objects; in other cases, they cannot be employed at all for various reasons (e.g. accessibility to change the lamp, problems with electricity). And it is exactly in these areas that it is sensible to use fiber optics - namely where it acts as a "problem-solver":

1. The use of fiber optical lighting systems is recommendable when heat and UV-free illumination of sensitive exhibits is required. This requirement is found primarily in museums and galleries, firms and shops, but private persons are also increasingly deciding in favour of the conservative illumination of showcases, pictures, etc. via fiber optics.
2. In high rooms, e.g. shopping centres, cinemas, and indoor swimming pools, changing the light source in a conventional lighting system, e.g. a halogen spot, is both tedious and time-consuming. By using a fiber optical lighting system, however, service operations are considerably easier. All that is necessary is to change the halogen or HIT light source in a light projector mounted in a central and easily accessible location.
3. In all kinds of rooms prone to moisture and dampness, such as shower compartments, saunas - bathrooms too - therefore for those areas in which any danger due to electricity must be eliminated, use of a fiber optical lighting system is advisable. The light projector (light source) is always positioned above the suspended ceiling - or optimally - outside this type of room. The light guides and light fittings do not carry current!
4. Through the use of fiber optical lighting systems one can produce innovative, special decorative effects. Examples which can be mentioned are crystal starry skies (up to several hundred light fittings can be supplied by a single light source) as well as crystal panels illuminated by fiber optics. In addition, flexible lighting solutions are possible; e.g. one system can be used to illuminate a table, a picture on a wall, combined perhaps even with a decorative crystal starry sky.

And of course it is possible to illuminate entire rooms with a fiber optical system - this pertains particularly to the Swarovski system, which has a high degree of efficiency, but in such cases one must weigh considerations as to costs and effectiveness.



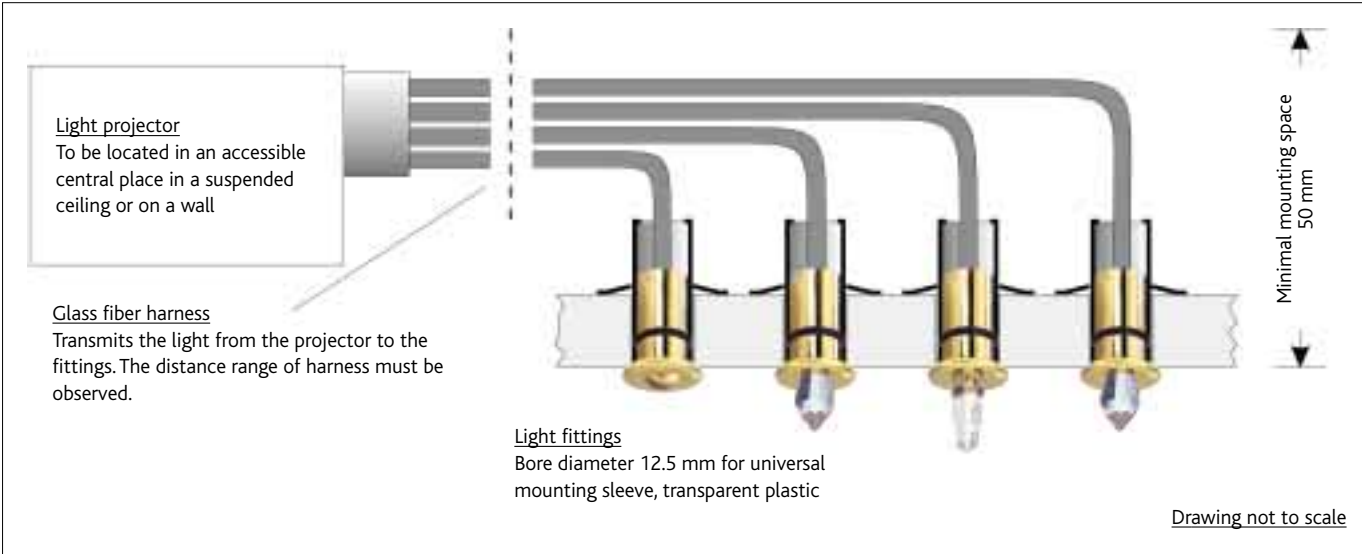


COMPLETE SETS

Diverse configurations of crystal starry skies and graffiti sets as well as pre-designed lighting systems for showers and saunas, all available as complete sets, ready for mounting, allow very easy planning and application.

These sets complete the extensive offer of fiber optical components for individual lighting solutions. The handiness of the starry sky range is enhanced by attractive unit packing. Detailed mounting instructions as well as design suggestions are always included.

The picture (beside) shows all components of the crystal starry sky "Galaxy" with 70 stars.







ORION 35 STARS

Crystal starry sky of 35 fascinating radiant light points. Precisely ground Swarovski crystals ensure exact star-shaped patterns on the ceiling.  
Recommended total area: 2 - 8 m<sup>2</sup>

- ORION Set consisting of:
- 20 fittings with crystal 12 mm
  - 15 fittings with crystal 16.5 mm
  - 35 universal mounting sleeves, transparent plastic
  - 1 light projector 100 W (halogen) with electronic transformer
  - 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 35 tails (20 á 2 m, 15 á 3.5 m)  
(glass fiber harness contains 2 spare tails)

A.9930	NR 000 901	Light projector 100 W (halogen)	crystal fittings	gold-plated
A.9930	NR 000 902	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 000 903	Light projector 100 W (halogen)	crystal fittings	chrome matte
A.9930	NR 000 904	Light projector 100 W (halogen)	crystal fittings	white

## CRYSTAL STARRY SKY Complete sets, ready for mounting



## GALAXY 70 STARS

Crystal starry sky of 70 fascinating radiant light points. Precisely ground Swarovski crystals ensure exact star-shaped patterns on the ceiling.

Recommended total area: 2 - 10 m<sup>2</sup>

GALAXY Set consisting of:

- 30 fittings with spherical lens Ø 7.4 mm
- 20 fittings with crystal 12 mm
- 20 fittings with crystal 16.5 mm
- 70 universal mounting sleeves, transparent plastic
- 1 light projector 100 W (halogen) with electronic transformer
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 70 tails á 3 m (glass fiber harness contains 3 spare tails)
- or
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 70 tails (30 á 4 m, 40 á 6 m)  
(glass fiber harness contains 2 spare tails)

Fiber length: 70 tails á 3 m				
A.9930	NR 001 007	Light projector 100 W (halogen)	crystal fittings	gold-plated
A.9930	NR 001 001	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 017	Light projector 100 W (halogen)	crystal fittings	chrome matte
A.9930	NR 001 018	Light projector 100 W (halogen)	crystal fittings	white
Fiber length: 30 tails á 4 m and 40 tails á 6 m				
A.9930	NR 001 015	Light projector 100 W (halogen)	crystal fittings	gold-plated
A.9930	NR 001 016	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 019	Light projector 100 W (halogen)	crystal fittings	chrome matte
A.9930	NR 001 020	Light projector 100 W (halogen)	crystal fittings	white



UNIVERSE 100 STARS

Crystal starry sky of 100 fascinating radiant light points. Precisely ground Swarovski crystals ensure exact star-shaped patterns on the ceiling.  
Recommended total area: 5 - 20 m<sup>2</sup>

- UNIVERSE Set consisting of:
- 40 fittings with spherical lens Ø 7.4 mm
  - 30 fittings with crystal 12 mm
  - 30 fittings with crystal 16.5 mm
  - 100 universal mounting sleeves, transparent plastic
  - 1 light projector 100 W (halogen) with electronic transformer  
or
  - 1 light projector 150 W (HIT) "High Power" with electronic lamp ballast
  - 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 100 tails (40 á 3 m, 60 á 5 m)  
(glass fiber harness contains 2 spare tails)

Note:  
Crystal fittings MC (multicolour effect, crystal colour coated) on request;  
ideal for shaping signs of the zodiac.

A.9930	NR 001 002	Light projector 100 W (halogen)	crystal fittings	gold-plated
A.9930	NR 001 008	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 021	Light projector 100 W (halogen)	crystal fittings	chrome matte
A.9930	NR 001 022	Light projector 100 W (halogen)	crystal fittings	white
A.9930	NR 001 009	Light projector 150 W (HIT)	crystal fittings	gold-plated
A.9930	NR 001 010	Light projector 150 W (HIT)	crystal fittings	nickel-plated
A.9930	NR 001 023	Light projector 150 W (HIT)	crystal fittings	chrome matte
A.9930	NR 001 024	Light projector 150 W (HIT)	crystal fittings	white

## CRYSTAL STARRY SKY Complete sets, ready for mounting



## STARDUST 150 STARS

Crystal starry sky of 150 fascinating radiant light points. Precisely ground Swarovski crystals ensure exact star-shaped patterns on the ceiling.

Recommended total area: 25 - 60 m<sup>2</sup>

STARDUST Set consisting of:

- 50 fittings with spherical lens Ø 7.4 mm
- 50 fittings with crystal 12 mm
- 50 fittings with crystal 16.5 mm
- 150 universal mounting sleeves, transparent plastic
- 1 light projector 100 W (halogen) with electronic transformer
- or
- 1 light projector 150 W (HIT) "High Power" with electronic lamp ballast
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 150 tails (60 á 5 m, 60 á 8 m, 30 á 10 m)  
(glass fiber harness contains 2 spare tails)

Note:

Crystal fittings MC (multicolour effect, crystal colour coated) on request;  
ideal for shaping signs of the zodiac.

A.9930	NR 001 101	Light projector 100 W (halogen)	crystal fittings	gold-plated
A.9930	NR 001 102	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 109	Light projector 100 W (halogen)	crystal fittings	chrome matte
A.9930	NR 001 110	Light projector 100 W (halogen)	crystal fittings	white
A.9930	NR 001 103	Light projector 150 W (HIT)	crystal fittings	gold-plated
A.9930	NR 001 104	Light projector 150 W (HIT)	crystal fittings	nickel-plated
A.9930	NR 001 111	Light projector 150 W (HIT)	crystal fittings	chrome matte
A.9930	NR 001 112	Light projector 150 W (HIT)	crystal fittings	white





IMPLOSION / ANDROMEDA 40 STARS

Decorative, fiber-illuminated crystal panel with depth effect, surrounded by a crystal starry sky of 40 fascinating radiant light points. Precisely ground Swarovski crystals ensure exact star-shaped patterns on the ceiling.

IMPLOSION/ANDROMEDA Set consisting of:

- 1 crystal panel 595 x 595 mm, insulating composite consisting of safety glass and mirror, with 30 metal sleeves for insertion of fiber tails (panel also suitable for standard commercial ceilings 600 x 600 mm).  
Mounting height: min. 80 mm
- 15 fittings with spherical lens Ø 7.4 mm
- 15 fittings with crystal 12 mm
- 10 fittings with crystal 16.5 mm
- 40 universal mounting sleeves, transparent plastic
- 1 light projector 100 W (halogen) with electronic transformer
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 70 tails á 3 m (glass fiber harness contains 3 spare tails)

A.9930	NR 001 003	Light projector 100 W (halogen) crystal panel motif "Implosion" crystal fittings	gold-plated
A.9930	NR 001 004	Light projector 100 W (halogen) crystal panel motif "Implosion" crystal fittings	nickel-plated
A.9930	NR 001 025	Light projector 100 W (halogen) crystal panel motif "Implosion" crystal fittings	chrome matte
A.9930	NR 001 026	Light projector 100 W (halogen) crystal panel motif "Implosion" crystal fittings	white
A.9930	NR 001 005	Light projector 100 W (halogen) crystal panel motif "Andromeda" crystal fittings	gold-plated
A.9930	NR 001 006	Light projector 100 W (halogen) crystal panel motif "Andromeda" crystal fittings	nickel-plated
A.9930	NR 001 027	Light projector 100 W (halogen) crystal panel motif "Andromeda" crystal fittings	chrome matte
A.9930	NR 001 028	Light projector 100 W (halogen) crystal panel motif "Andromeda" crystal fittings	white







WAVE LIGHT 60 LIGHT POINTS

Crystal graffiti with 60 fascinating radiant light points.  
The curved image forms an airy wave on the ceiling.  
Recommended total area: 2 - 10 m<sup>2</sup>

- THE WAVE LIGHT Set includes:
- 12 double cubes, diagonal
  - 12 double cubes, straight
  - 7 prisms, decorative
  - 29 mini wall washers
  - 60 universal mounting sleeves, transparent plastic
  - 1 light projector 100 W (halogen) with electronic transformer
  - 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 60 tails á 4 m (glass fiber harness includes 2 spare tails)

A.9930	NR 001 401	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 402	Light projector 100 W (halogen)	crystal fittings	chrome matte

## CRYSTAL GRAFFITI Complete sets, ready for mounting

## GOLDEN LINE 35 LIGHT POINTS

Crystal graffiti with 35 fascinating radiant light points.  
The different light patterns form a visual golden line on the ceiling.  
Recommended total area: 2 - 8 m<sup>2</sup>

The GOLDEN LINE Set includes:

- 1 double cube, diagonal, multicolour
- 2 double cubes, diagonal
- 10 ashlars
- 1 prism, decorative
- 21 mini wall washers
- 35 universal mounting sleeves, transparent plastic
- 1 light projector 100 W (halogen) with electronic transformer
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 35 tails (20 á 2 m, 15 á 3.5 m)  
(glass fiber harness includes 2 spare tails)

A.9930	NR 001 301	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 302	Light projector 100 W (halogen)	crystal fittings	chrome matte

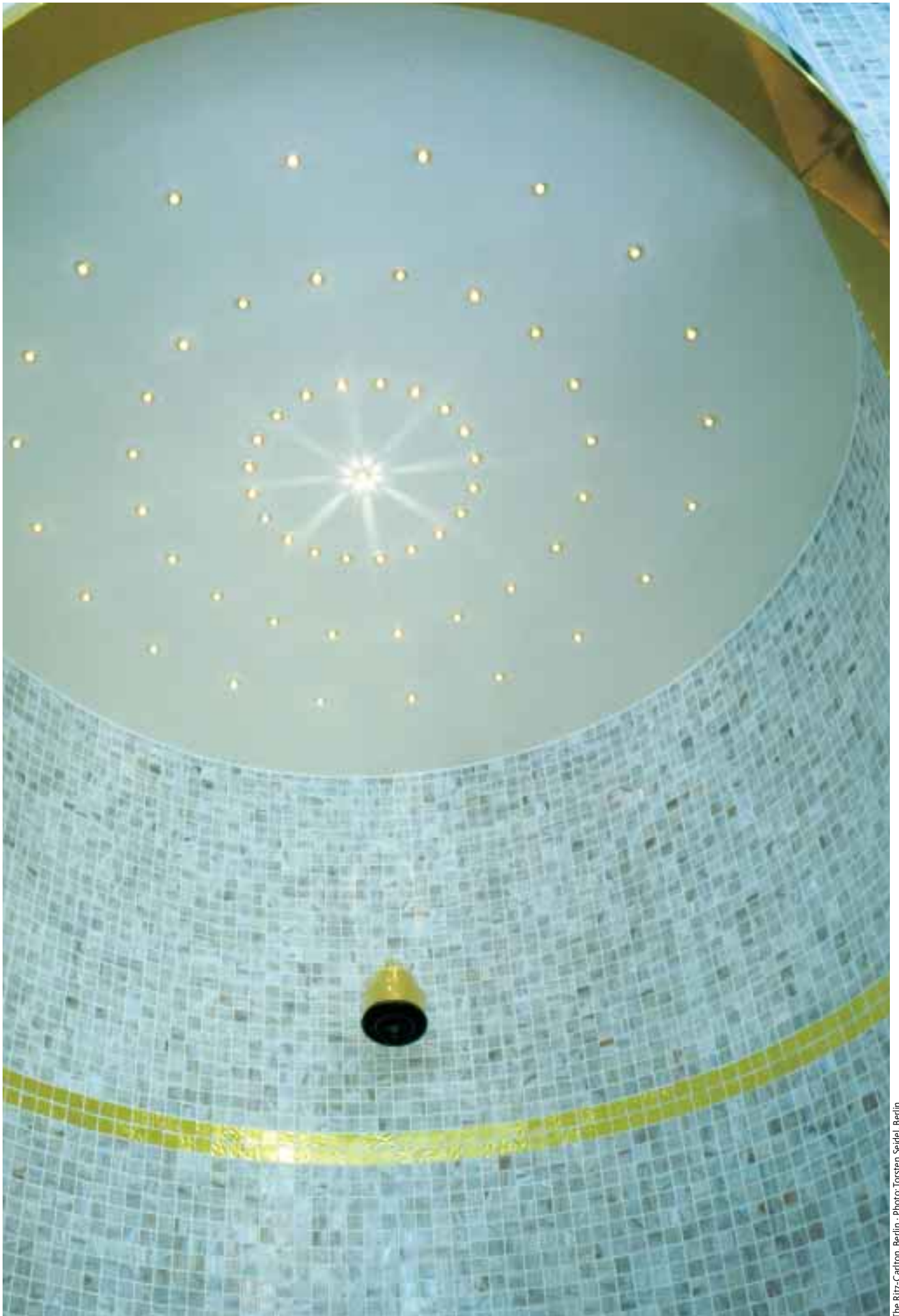


MEETING POINT 70 LIGHT POINTS

Crystal graffiti with 70 fascinating sparkling light points.  
The centrally orientated "Meeting Point" is illuminated via different optical paths.  
Recommended total area: 5 - 20 m<sup>2</sup>

- THE MEETING POINT Set includes:
- 10 double cubes, diagonal, multicolour
  - 12 double cubes, diagonal
  - 14 ashlars
  - 13 prisms, decorative
  - 21 mini wall washers
  - 70 universal mounting sleeves, transparent plastic
  - 1 light projector 100 W (halogen) with electronic transformer
  - 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 70 tails (30 á 4 m, 40 á 6 m)  
(glass fiber harness includes 2 spare tails)

A.9930	NR 001 501	Light projector 100 W (halogen)	crystal fittings	nickel-plated
A.9930	NR 001 502	Light projector 100 W (halogen)	crystal fittings	chrome matte





## SHOWER 60+ LIGHT POINTS

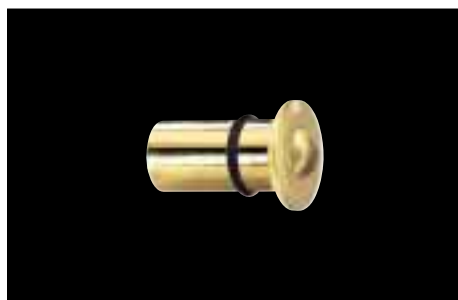
The shower lighting kit consisting of 60 functionally decorative light points and a 12 mm extra crystal transforms every shower cubicle into a fountain of light. The 12 mm crystal is intended as a special touch for those who wish to create a small central highlight in the shower.

Size of shower-cabin: 1 - 2 m<sup>2</sup>

SHOWER Set consisting of:

- 60 fittings with spherical lens Ø 7.4 mm
- 1 fitting with crystal 12 mm
- 61 universal mounting sleeves, transparent plastic
- 1 light projector 100 W (halogen) with electronic transformer
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 60 tails á 2 m  
(glass fiber harness contains 2 spare tails)

A.9930	NR 002 001	Light projector 100 W (halogen)	light fittings	gold-plated
A.9930	NR 002 002	Light projector 100 W (halogen)	light fittings	nickel-plated



## SAUNA 80 LIGHT POINTS

80 functional and decorative light points in gold- or nickel-plated metal holders.

Perfectly suitable for sauna- and shower-cabins due to current-free light via glass fibers.

Size of sauna-cabin: 2 - 8 m<sup>2</sup>

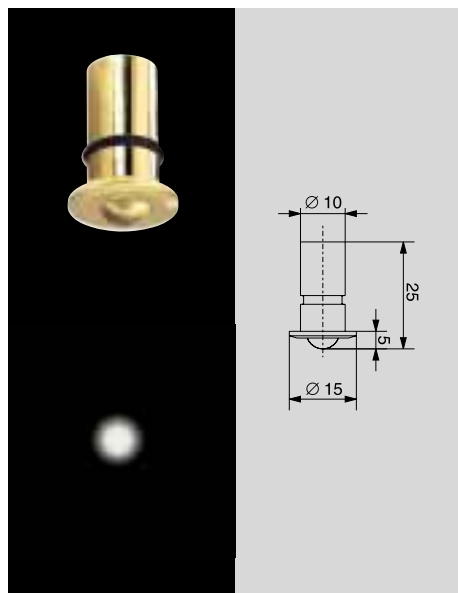
SAUNA Set consisting of:

- 80 fittings with spherical lens Ø 7.4 mm
- 80 universal mounting sleeves, gold plated metal
- 1 light projector 100 W (halogen) with electronic transformer  
*or*
- 1 colour light projector 100 W (halogen), remotely controllable (via cable),  
with electronic transformer
- 1 glass fiber harness, Size 1.5 (Ø 1.4 mm), 80 tails á 3 m  
(glass fiber harness contains 2 spare tails)

A.9930	NR 003 001	Light projector 100 W (halogen)	light fittings	gold-plated
A.9930	NR 003 002	Light projector 100 W (halogen)	light fittings	nickel-plated
A.9930	NR 003 003	Colour light projector 100 W (halogen)	light fittings	gold-plated
A.9930	NR 003 004	Colour light projector 100 W (halogen)	light fittings	nickel-plated



## LIGHT FITTINGS, classic line, decorative



## SPHERICAL LENS Ø 7.4 MM

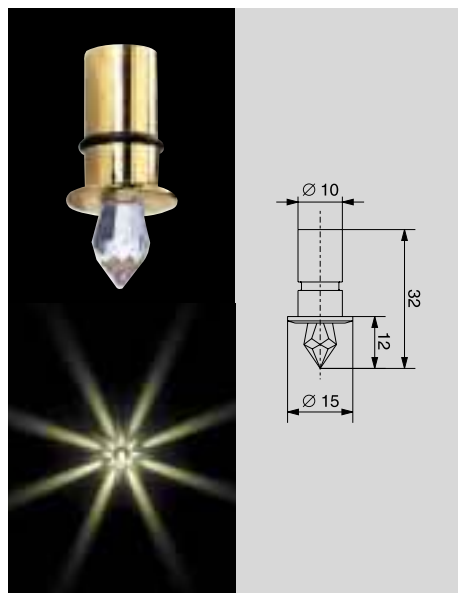
Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)

Effect: Decorative and functional light point (dispersion angle: 2 x 12°)

Weight: 10.2 g

Use: Starry sky, room-, accent-, sauna- and shower lighting, etc.

A.9942	NR 010 300	gold-plated
A.9942	NR 010 302	nickel-plated
A.9942	NR 010 305	chrome matte
A.9942	NR 010 307	white



## CRYSTAL 12 MM

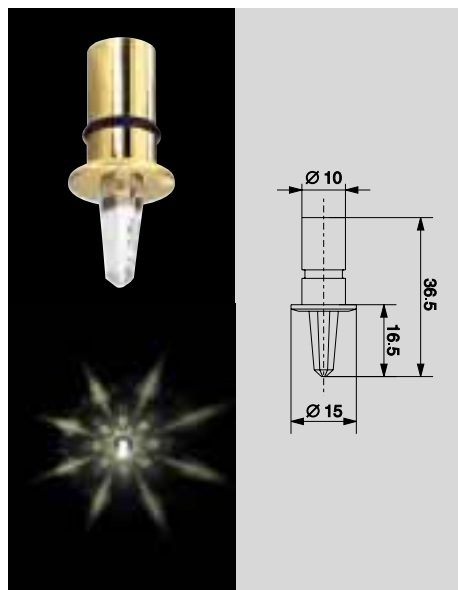
Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)

Effect: Star pattern on the ceiling

Weight: 10.5 g

Use: Starry sky

A.9942	NR 010 400	gold-plated
A.9942	NR 010 402	nickel-plated
A.9942	NR 010 400MC*	gold-plated
A.9942	NR 010 402MC*	nickel-plated
A.9942	NR 010 405	chrome matte
A.9942	NR 010 407	white
A.9942	NR 010 405MC*	chrome matte
A.9942	NR 010 407MC*	white



## CRYSTAL 16.5 MM

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)

Effect: Star pattern on the ceiling

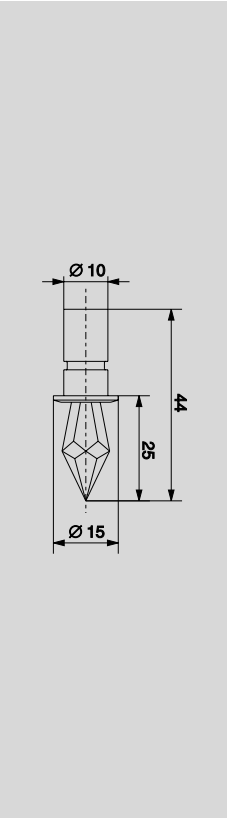
Weight: 11.0 g

Use: Starry sky

A.9942	NR 010 900	gold-plated
A.9942	NR 010 902	nickel-plated
A.9942	NR 010 900MC*	gold-plated
A.9942	NR 010 902MC*	nickel-plated
A.9942	NR 010 905	chrome matte
A.9942	NR 010 907	white
A.9942	NR 010 905MC*	chrome matte
A.9942	NR 010 907MC*	white

\* MC: Multicolour-effect; star pattern multicoloured

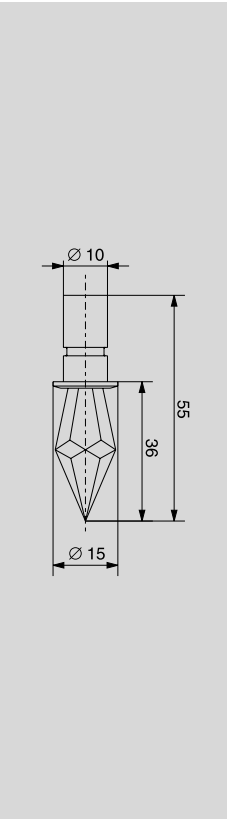




CRYSTAL 25 MM

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: Star pattern on the ceiling  
Weight: 14.0 g  
Use: Starry sky

A.9942	NR 010 500	gold-plated
A.9942	NR 010 502	nickel-plated

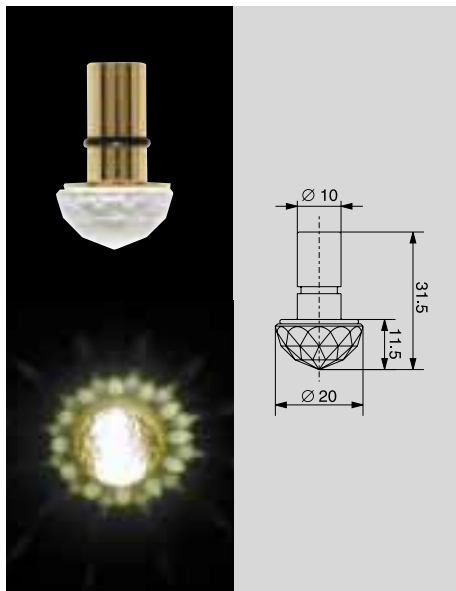


CRYSTAL 36 MM

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: Star pattern on the ceiling  
Weight: 19.1 g  
Use: Starry sky

A.9942	NR 010 600	gold-plated
A.9942	NR 010 602	nickel-plated

## LIGHT FITTINGS, classic line, decorative



## CRYSTAL Ø 20 MM

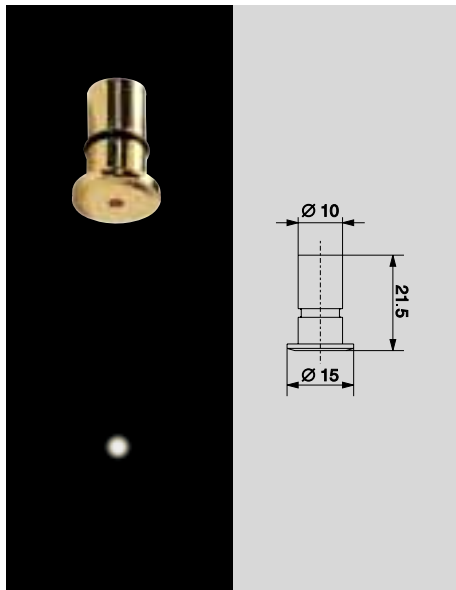
Recommended glass fiber harness: Size 1.5, 3, 8, 14 (Ø 1.4, 2, 3 and 4 mm)

Effect: Decorative and functional light point (dispersion angle: 2 x 20°)

Weight: 14.3 g

Use: Starry sky, room-, accent-, sauna- and shower lighting, etc.

A.9942	NR 010 850	gold-plated
A.9942	NR 010 852	nickel-plated



## LIGHT POINT

Recommended glass fiber harness: Size 1.5, 3 (Ø 1.4, 2 mm)

Effect: Decorative light point

Outlet: 2.5 mm

Weight: 7.4 g

Use: Starry sky

A.9942	NR 010 200	gold-plated
A.9942	NR 010 202	nickel-plated
A.9942	NR 010 204	chrome matte
A.9942	NR 010 206	white

For glass fibers Size 8, 14 (Ø 3, 4 mm)

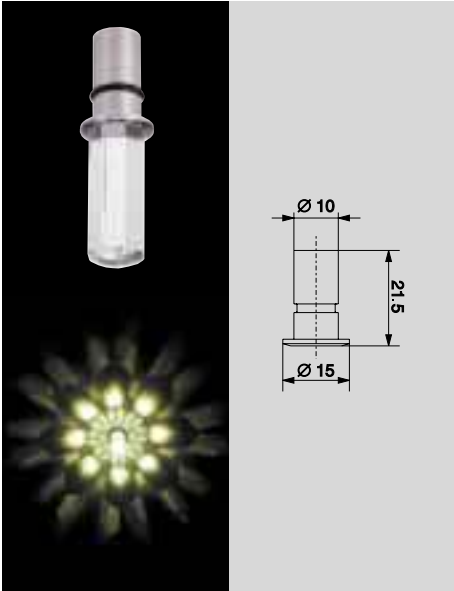
Effect: light point

Outlet: 4.2 mm

Weight: 7.4 g

Use: Room-, accent- and showcase illumination

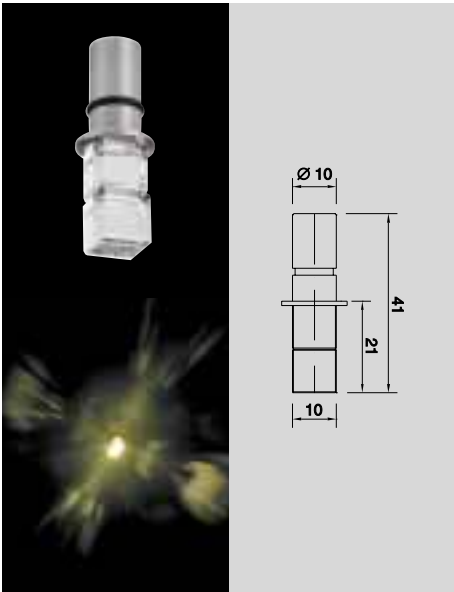
A.9942	NR 010 250	gold-plated
A.9942	NR 010 252	nickel-plated
A.9942	NR 010 254	chrome matte
A.9942	NR 010 256	white



PRISM, DECORATIVE

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: Rosette  
Weight: 15.7 g  
Use: decorative light fitting for Graffiti

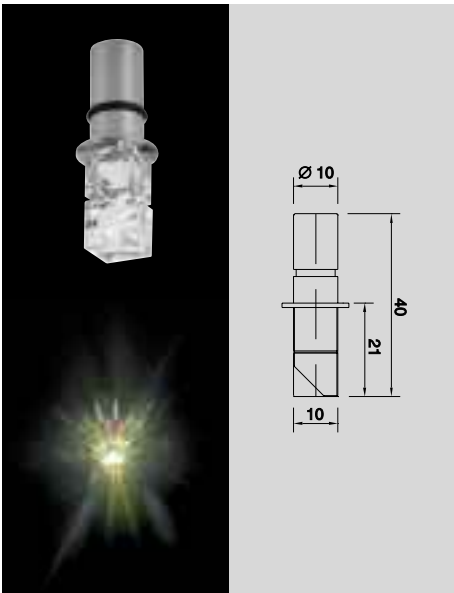
A.9942	NR 015 103	nickel-plated
A.9942	NR 015 105	chrome matte
A.9942	NR 015 107	white



DOUBLE CUBE, STRAIGHT

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: linear, geometric reflection  
Weight: 13.8 g  
Use: decorative light fitting for Graffiti

A.9942	NR 015 303	nickel-plated
A.9942	NR 015 305	chrome matte
A.9942	NR 015 307	white



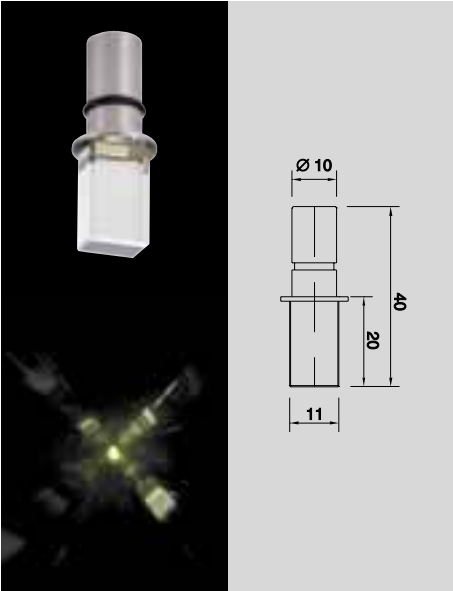
DOUBLE CUBE, DIAGONAL

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: contemporary picturesque reflection  
Weight: 12.8 g  
Use: decorative light fitting for Graffiti

A.9942	NR 015 403	nickel-plated
A.9942	NR 015 405	chrome matte
A.9942	NR 015 407	white
A.9942	NR 015 403MC*	nickel-plated
A.9942	NR 015 405MC*	chrome matte
A.9942	NR 015 407MC*	white

\* MC: Multicolour-effect; pattern multicoloured

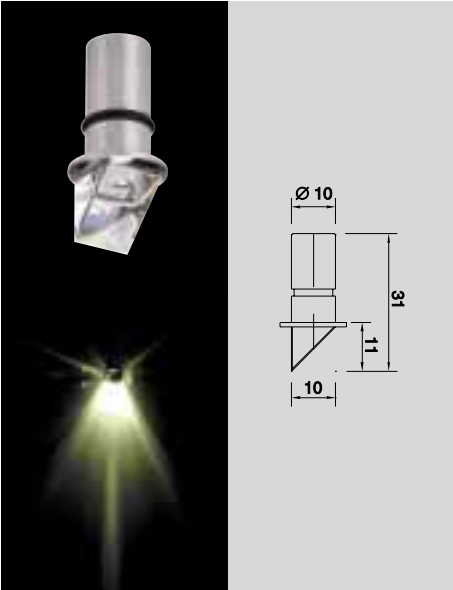




ASHLAR

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: geometric contemporary reflection  
Weight: 12.6 g  
Use: decorative light fitting for Graffiti

A.9942	NR 015 503	nickel-plated
A.9942	NR 015 505	chrome matte
A.9942	NR 015 507	white

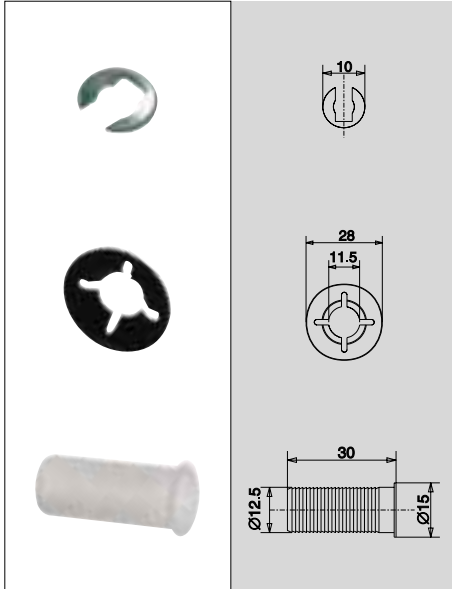


MINI WALL WASHER

Recommended glass fiber harness: Size 1.5 (Ø 1.4 mm)  
Effect: geometric contemporary reflection  
Weight: 9.1 g  
Use: accent illumination and decorative light fitting for Graffiti

A.9942	NR 015 603	nickel-plated
A.9942	NR 015 605	chrome matte
A.9942	NR 015 607	white

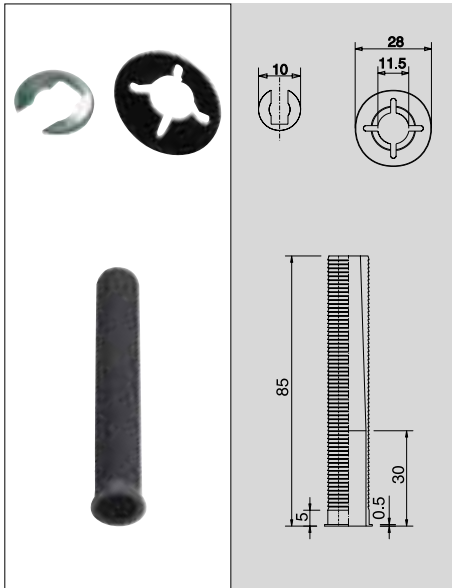
## MOUNTING SLEEVES



## UNIVERSAL MOUNTING SLEEVE, TRANSPARENT PLASTIC

Suitable for all light fittings and for all kinds of ceilings  
 Bore diameter: 12.5 mm  
 Optimal for: Starry sky, showers, swimming-pools.  
 Weight: 1.5 g  
 Temperature resistant up to 60° C

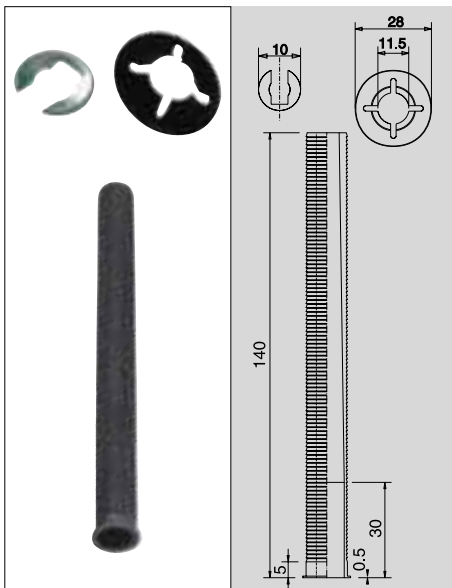
A.9942 NR 019 034



## UNIVERSAL MOUNTING SLEEVE, 85 MM

Suitable for all light fittings  
 Bore diameter: 13 mm  
 Perfectly for use in saunas, steam baths and for ceiling thicknesses above 25 mm  
 Weight: 4.2 g  
 Temperature resistant up to 110° C

A.9942 NR 019 039

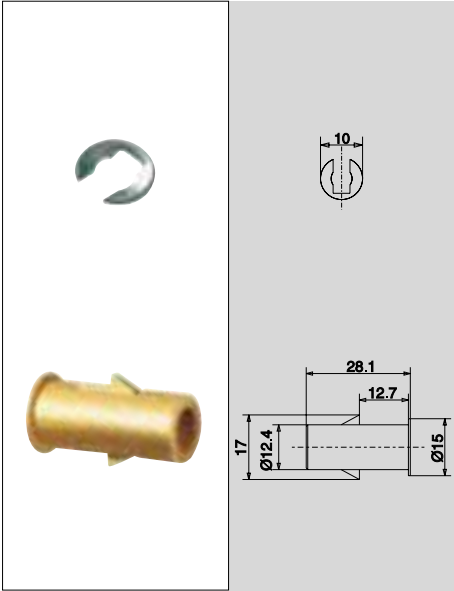


## UNIVERSAL MOUNTING SLEEVE, 140 MM

Suitable for all light fittings  
 Bore diameter: 13 mm  
 Perfectly for use in saunas, steam baths and for ceiling thicknesses above 25 mm  
 Weight: 7.6 g  
 Temperature resistant up to 110° C

A.9942 NR 019 036

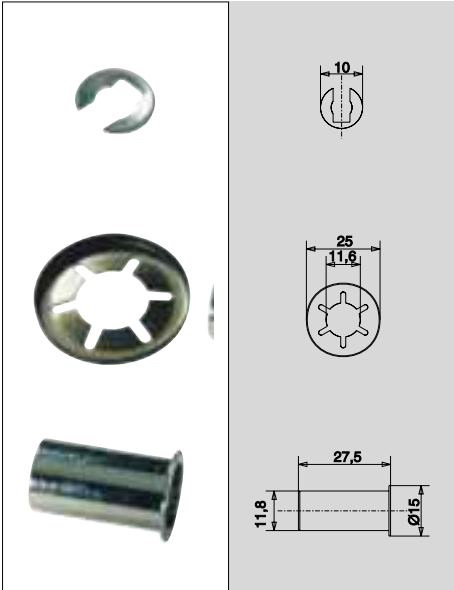
MOUNTING SLEEVES



MOUNTING SLEEVE, GOLD-COLORED PLASTIC

Suitable for all light fittings (except A.9942 NR 010 810).  
Bore diameter: 12.5 mm  
Only for: Plaster board ceilings of min. thickness 12.5 mm.  
They are optimal for starry skies, showers, swimming-pools.  
Weight: 0.9 g

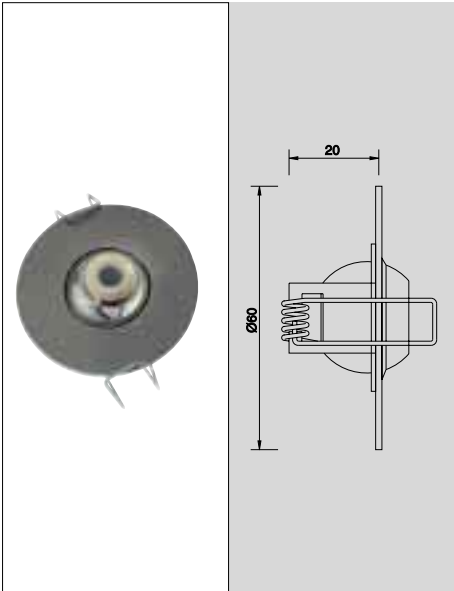
A.9942 NR 019 031



MOUNTING SLEEVE, GOLD-PLATED METAL

Suitable for all light fittings and for all kinds of ceilings.  
Bore diameter: 12 mm  
Optimal for: Saunas, lift cabins, prisms and for glass fiber harnesses, Size 8 and more.  
Weight: 6.0 g

A.9942 NR 019 030



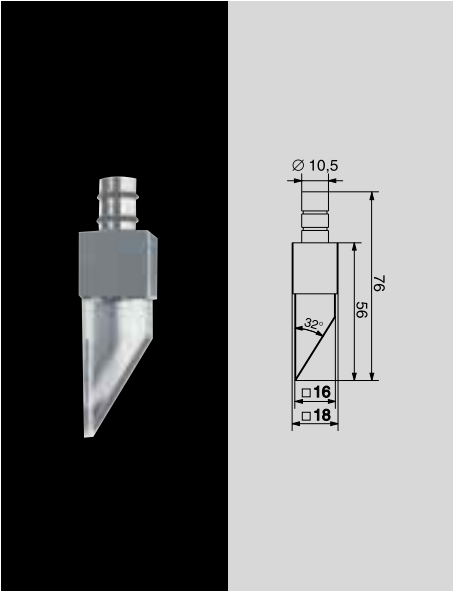
SPHERICAL JOINT, TILTABLE, NICKEL-PLATED

Spring retainer for functional and decorative light fittings  
Bore diameter: 45 mm  
Tiltable range: 2 x 35°  
Weight: 115.4 g  
Note: Illustration with spherical lens A.9942 NR 010 302

A.9942 NR 019 041



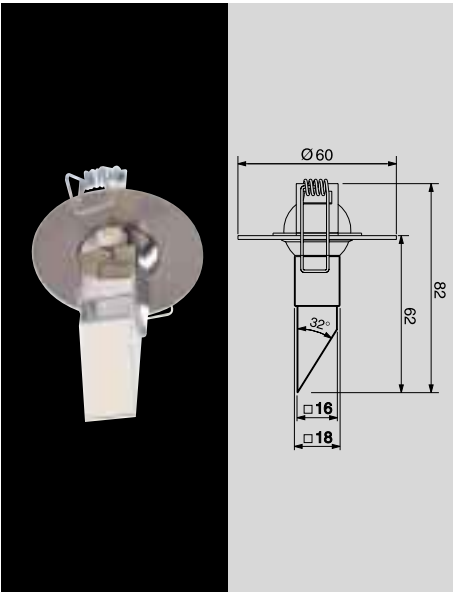




PRISM 32°

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)  
Effect: Decorative and functional deviating prism  
Dispersion angle: 2 x 13°  
Note: Mounting with universal mounting sleeve  
Weight: 28.2 g  
Use: Wall- and picture lighting, etc.

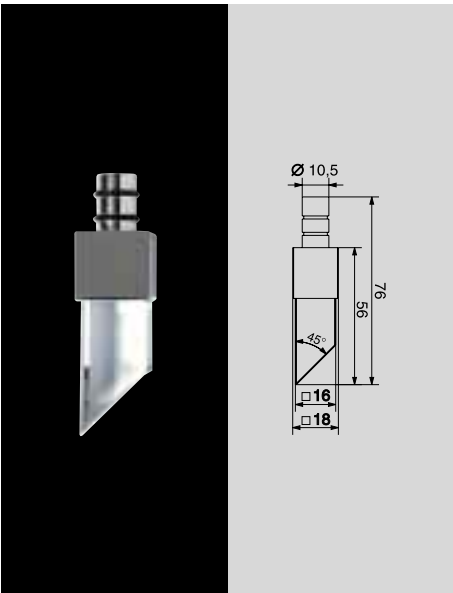
A.9942 NR 011 400	nickel-plated
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PRISM SPOT 32°

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)  
Effect: Decorative and functional deviating prism  
Dispersion angle: 2 x 13°  
Swivelling range: 2 x 35° ball-and-socket joint  
Bore diameter: 45 mm  
Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*  
Weight: 143.6 g  
Use: Wall- and picture lighting. Lighting of multi-levelled showcases, etc.

A.9942 NR 011 410	nickel-plated
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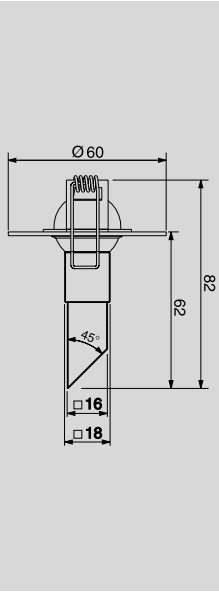
PRISM 45°

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)  
Effect: Decorative and functional deviating prism  
Dispersion angle: 2 x 13°  
Note: Mounting with universal mounting sleeve  
Weight: 32.6 g  
Use: Wall- and picture lighting. Downlight in horizontal mounting in horizontal mounting.

A.9942 NR 011 300	nickel-plated
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\* For such mounting situations, special springs are available.

## LIGHT FITTINGS, functional

**PRISM SPOT 45°**

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)

Effect: Decorative and functional deviating prism

Dispersion angle: 2 x 13°

Swivelling range: 2 x 35° ball-and-socket joint

Bore diameter: 45 mm

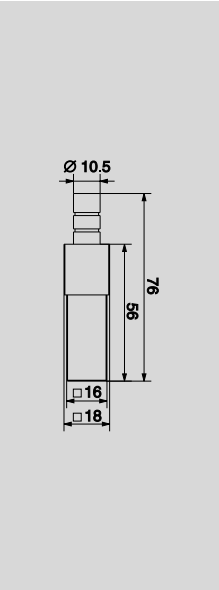
Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*

Weight: 148.0 g

Use: Wall- and picture lighting, etc.

A.9942 NR 011 310

nickel-plated

**PRISM 0°**

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)

Effect: Decorative and functional light point

Dispersion angle: 2 x 13°

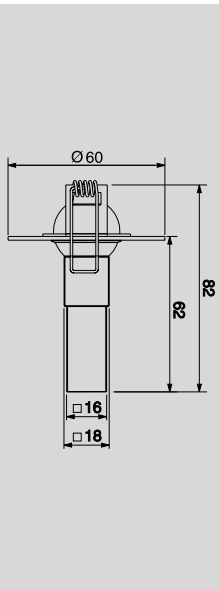
Note: Mounting with universal mounting sleeve

Weight: 38.4 g

Use: Room-, accent- and zonal lighting, lighting of tables, desks, etc.

A.9942 NR 011 200

nickel-plated

**PRISM SPOT 0°**

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)

Effect: Decorative and functional light point

Dispersion angle: 2 x 13°

Swivelling range: 2 x 35° ball-and-socket joint

Bore diameter: 45 mm

Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*

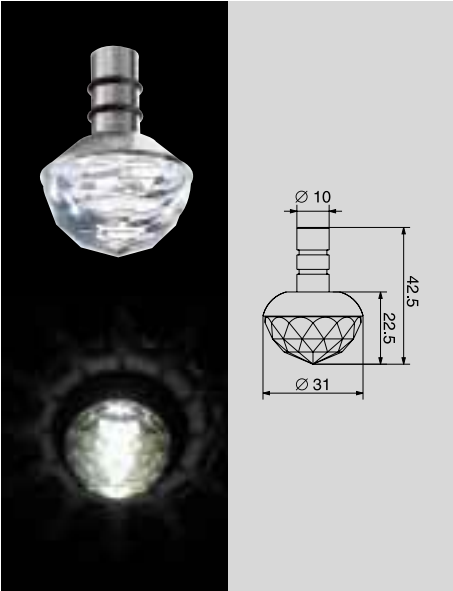
Weight: 153.8 g

Use: Room-, accent- and zonal lighting, lighting of tables, desks, etc.

A.9942 NR 011 210

nickel-plated

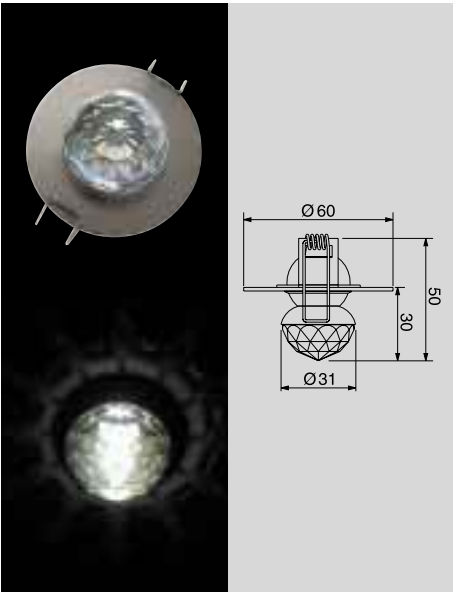
\* For such mounting situations, special springs are available.



CRYSTAL Ø 31 MM

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)  
Effect: Decorative and functional light point  
Dispersion angle: Size 8: 2 x 12°  
Size 14: 2 x 15°  
Note: Mounting by universal mounting sleeve  
Weight: 52.1 g  
Use: Room-, accent lighting, etc.

A.9942 NR 010 810	nickel-plated
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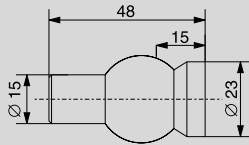
CRYSTAL SPOT Ø 31 MM

Glass fiber harness: Size 8 or 14 (Ø 3 or 4 mm)  
Effect: Decorative and functional light point  
Dispersion angle: Size 8: 2 x 12°  
Size 14: 2 x 15°  
Swivelling range: 2 x 35° ball-and-socket joint  
Bore diameter: 45 mm  
Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*  
Weight: 167.5g  
Use: Room-, accent lighting, etc.

A.9942 NR 010 820	nickel-plated
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\* For such mounting situations, special springs are available.

## LIGHT FITTINGS, functional



## FOCUSSING LENS SYSTEM

Glass fiber harness: Size 8, 14, 24, 36 ( $\varnothing$  3, 4, 5.8 and 7.3 mm)

Dispersion angle: Manually, infinitely adjustable from  $2 \times 10^\circ$  to  $2 \times 29^\circ$  (dependent on fiber size)

Swivelling range:  $2 \times 35^\circ$  ball-and-socket joint

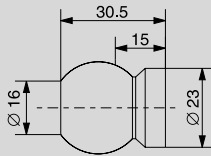
Note: Holder in design holding device, aluminium rail or mounting ring.

Weight: 28.4 g

Use: Showcase- and picture lighting, etc.

Note: Adjustment key (A.9942 NR 051 003) for directing the lenses is available.

A.9942	NR 030 010	black
A.9942	NR 030 011	white
A.9942	NR 030 012	nickel-plated



## SPHERICAL LENS SYSTEM

Glass fiber harness: Size 3, 8, 14, 24, 36 ( $\varnothing$  2, 3, 4, 5.8 and 7.3 mm)

Dispersion angle: From  $2 \times 6^\circ$  to  $2 \times 24^\circ$  adjustable (dependent on fiber size)

Swivelling range:  $2 \times 35^\circ$  ball-and-socket joint

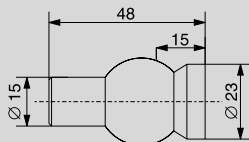
Note: Holder in design holding device, aluminium rail or mounting ring.

Weight: 26.0 g

Use: Showcase- and picture lighting, etc.

Note: Adjustment key (A.9942 NR 051 003) for directing the lenses is available.

A.9942	NR 030 110	black
A.9942	NR 030 111	white
A.9942	NR 030 112	nickel-plated



## AUXILIARY LENS SYSTEM

Glass fiber harness: exclusively for Size 8 or 14 ( $\varnothing$  3 or 4 mm)

Dispersion angle: From  $2 \times 4^\circ$  to  $2 \times 10^\circ$  adjustable (dependent on fiber size)

Swivelling range:  $2 \times 35^\circ$  ball-and-socket joint

Note: Holder in design holding device, aluminium rail or mounting ring.

Weight: 24.0 g

Use: Showcase lighting, according to principle of mirror erection.

Note: Adjustment key (A.9942 NR 051 003) for directing the lenses is available.

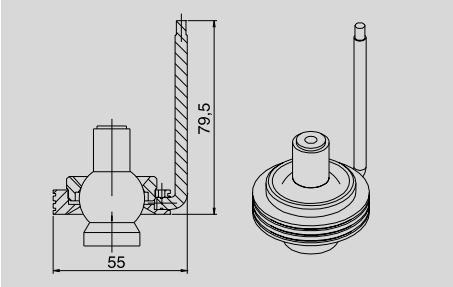
A.9942	NR 030 210	black
A.9942	NR 030 211	white
A.9942	NR 030 212	nickel-plated

MOUNTING ACCESSORIES

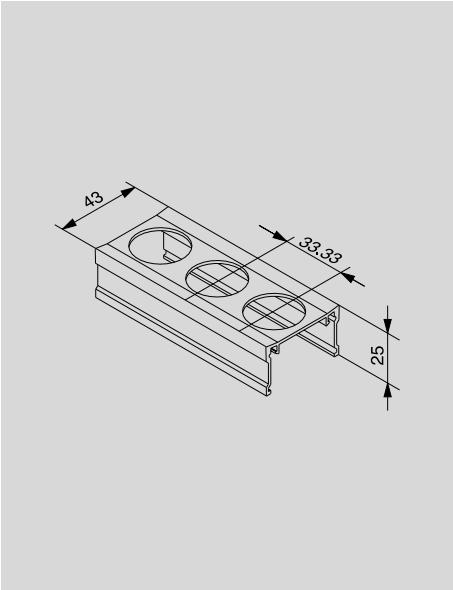


DESIGN HOLDING DEVICE

Holding device for focussing lens system, spherical lens system and auxiliary lens system. The lens system is mounted by means of an M4 screw thread.  
The mounting adapter (not illustrated) is included in the scope of delivery.  
Weight: 50 g  
Use: Showcase illumination, picture illumination, room illumination  
Note: Illustration with focussing optic spot A.9942 NR 030 012

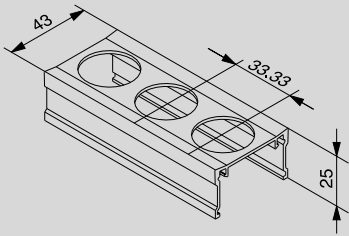


A.9942	NR 030 314	chrome matte
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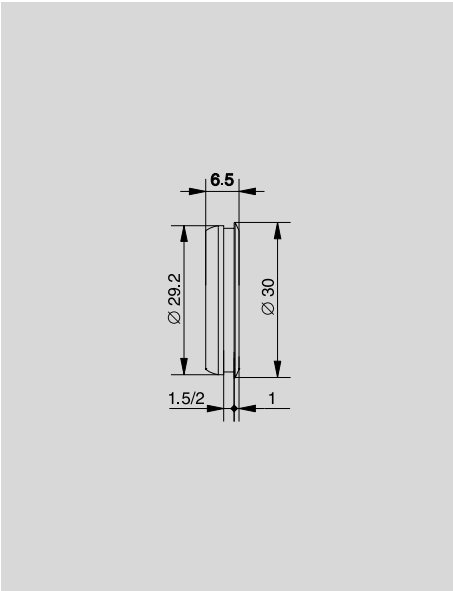


ALUMINIUM RAIL

Holder for focussing-, spherical- and auxiliary lens systems.  
Max. 30 lenses per running meter.  
Bores closed with black plastic inserts.  
Rail cut to length as required.

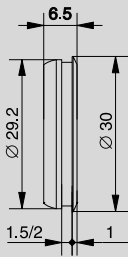


A.9942	NR 030 300	black
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MOUNTING RING FOR MATERIALS

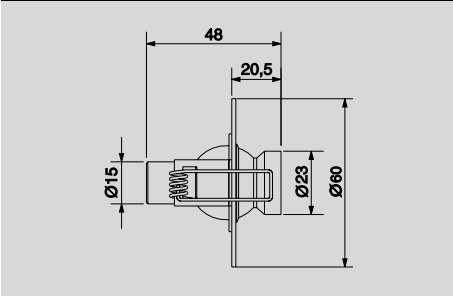
Holder for focussing-, spherical- and auxiliary lens systems.  
Bore diameter: 29 mm  
Note: Suitable only for material with a thickness of 1.5 mm or 2.0 mm.



A.9942	NR 030 350	with a thickness of 1.5 mm	black
A.9942	NR 030 352	with a thickness of 1.5 mm	translucent
A.9942	NR 030 354	with a thickness of 1.5 mm	white
A.9942	NR 030 351	with a thickness of 2.0 mm	black
A.9942	NR 030 353	with a thickness of 2.0 mm	translucent
A.9942	NR 030 355	with a thickness of 2.0 mm	white



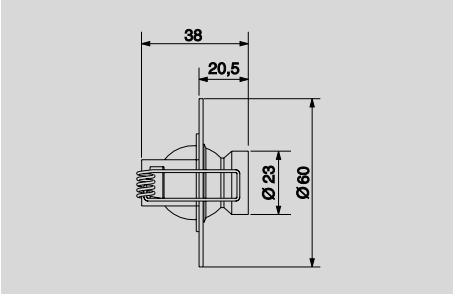




FOCUSSING OPTIC SPOT

Glass fiber harness: Size 8, 14, 24, 36 (Ø 3, 4, 5.8 and 7.3 mm)  
Dispersion angle: Manually, infinitely adjustable from 2 x 10° to 2 x 29°  
(dependent on fiber size)  
Swivelling range: 2 x 35° ball-and-socket joint  
Bore diameter: 45 mm  
Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*  
Weight: 69.6 g  
Use: Room-, accent-, zonal-, picture- and showcase lighting, etc.  
Note: Adjustment key (A.9942 NR 051 003) for directing the lenses is available.

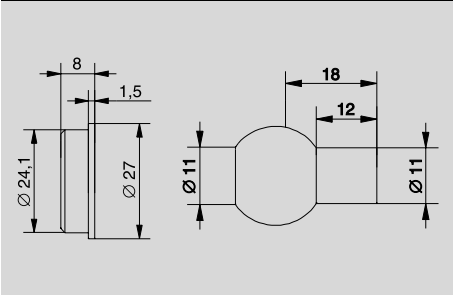
A.9942	NR 020 810	white
A.9942	NR 020 811	black
A.9942	NR 020 813	nickel-plated



SPHERICAL OPTIC SPOT

Glass fiber harness: Size 3, 8, 14, 24, 36 (Ø 2, 3, 4, 5.8 and 7.3 mm)  
Dispersion angle: 2 x 6° - 2 x 24° adjustable (dependent on fiber size)  
Swivelling range: 2 x 35° ball-and-socket joint  
Bore diameter: 45 mm  
Note: Spring retainer suitable for all ceilings, except for mineral fiber ceilings and ceilings under 4 mm thickness.\*  
Weight: 65.5 g  
Use: Room-, accent-, zonal- and showcase lighting, etc.

A.9942	NR 020 800	white
A.9942	NR 020 801	black
A.9942	NR 020 803	nickel-plated



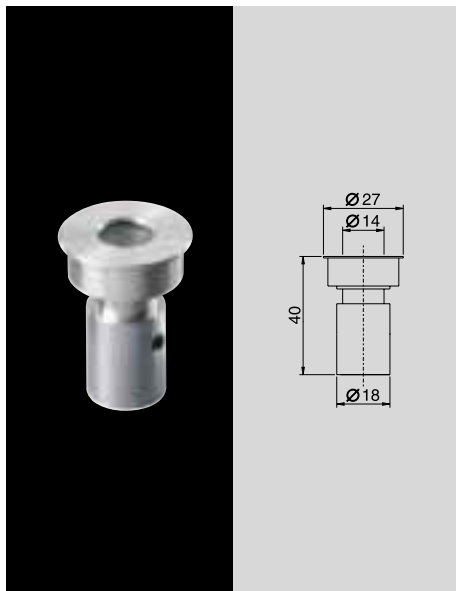
MINI-LENS (INCL. MOUNTING RING)

Glass fiber harness: Size 3, 8, 14 (Ø 2, 3, 4 mm)  
Dispersion angle: 2 x 16° - 2 x 26° (dependent on fiber size)  
Swivelling range: 2 x 35°  
Bore diameter: 24 mm  
Note: Retainer in mounting ring only for wooden- or plaster board ceilings.  
Adjustment key (A.9967 NR 230 837) for directing the lenses is available.  
Short end ferrules for Size 8 and 14 on request. (crimb ferrules)  
Weight: 12 g  
Use: Room-, accent-, zonal- and showcase lighting, etc.

A.9942	NR 020 700	white, mounting ring white
A.9942	NR 020 701	black, mounting ring black
A.9942	NR 020 703	chrome, mounting ring translucent

\* For such mounting situations, special springs are available.

## LIGHT FITTINGS, recessed floor spots



## RECESSED FLOOR SPOT

Recommended glass fiber harness: Size 1,5, 3, 8, 14, 24 (Ø 1,4, 2, 3, 4 and 5,8 mm)

Effect: Decorative light point

Housing: Special steel V2A

Glass: Satined white

Protection class: IP68

Bore diameter: 25 mm

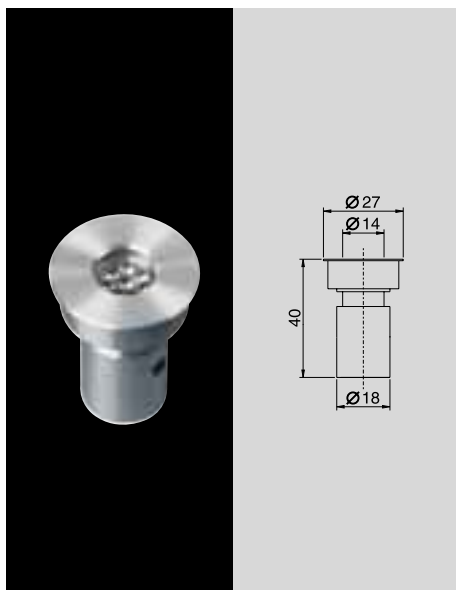
A further possibility of attachment: use of the appurtenant mounting sleeve A.9942 NR 020 530.

Use: As a recessed floor spot in outdoor/indoor areas.

Weight: 58,6 g

A.9942 NR 020 510

special steel V2A



## RECESSED FLOOR SPOT CRYSTAL

Recommended glass fiber harness: Size 1,5, 3, 8, 14, 24 (Ø 1,4 2, 3, 4, and 5,8 mm)

Effect: Decorative light point

Housing: Special steel V2A

Glass: Clear with crystal

Protection class: IP68

Bore diameter: 25 mm

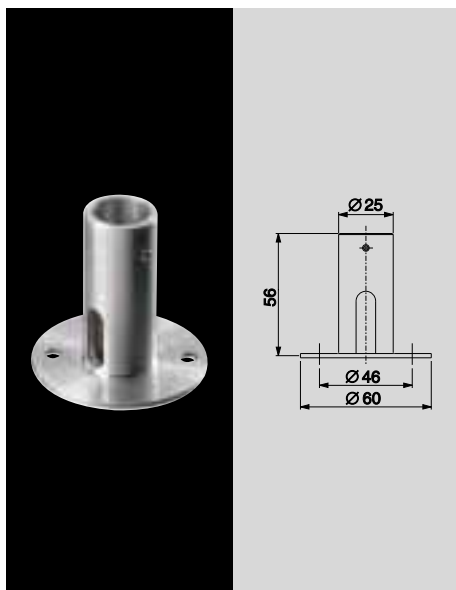
A further possibility of attachment: use of the appurtenant mounting sleeve A.9942 NR 020 530.

Use: As a recessed floor spot in outdoor/indoor areas.

Weight: 59,9 g

A.9942 NR 020 520

special steel V2A



## MOUNTING SLEEVE FOR RECESSED FLOOR SPOT

Particularly suitable for mounting in floor pavement. The floor spot remains adjustable in height and can be accommodated to the final floor height!

Weight: 46,2 g

A.9942 NR 020 530

natural aluminium

## LIGHT GUIDES, Endlight (glass fibers)



Glass fiber light guides consist of a common end and a number of individual tails with optical diameters from 1 to 7.3 mm. Depending on this diameter, up to 521 tails can be packed into a single fiber harness. In addition, glass fiber harnesses from Size  $\frac{3}{4}$  to Size 3 come with two spare arms! Fiber harnesses of different diameters can be used to create many innovative effects and lighting combinations.

Fiber harnesses of Size  $\frac{3}{4}$  and Size 1,5 are recommended for decorative applications, while Sizes 3 and higher are recommended for functional applications.

The halogen-free, self-extinguishing sheathing satisfies the requirements of important European fire protection standards. Glass fiber light guides offer absolute safety in public buildings, hotels and wellness centres, but also in museums and private apartments. Another advantage of glass fiber light guides is their unlimited service life - once installed, they do not require any maintenance at all.

Due to the outstanding colour and transmission qualities of the glass fiber (optical attenuation of the individual fiber - 550nm:  $\leq 0.25\text{dB/m}$ ), transmission lengths of up to 12 m are possible.

From Size 8, a fine mixture of glass fibres is recommended to avoid differences in colour and light intensity. If the High Performance A.9942 NR 040 610 and 630 mechanically dimmable projectors are used, this recommendation is made as a general rule.

Glass fiber light guides of improved quality have been available since 1 January 2004: at the common end, the individual fibres are melted and joined by means of a hot fusing process, rather than the previous method of using optical adhesives.

This offers a number of advantages:

**Improved long-term durability:** due to the elimination of the optical adhesive at the common end, the end surface is purely anorganic and consists of glass. Consequently, it resists degeneration and ageing. This also means consistent light colour and brightness.

**Considerably improved temperature resistance of the entire end (up to 350° C):** As a result, the use of efficiency reducing filters in the light projector can be dispensed with.

**Higher light efficiency:** The increased packing density of the light guides at the common end due to the elimination of light losses at the intermediate surfaces and the omission of the UV/IR filter in the projector increases luminance and improves the overall system efficiency.

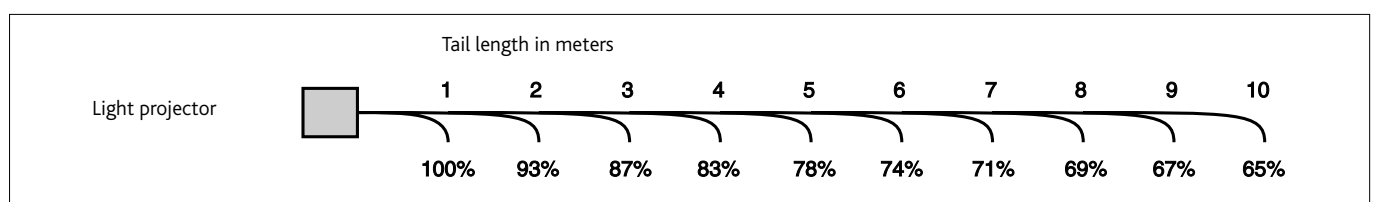
## GLASS FIBERS - NUMBER OF FIBER TAILS

Fiber type (Size)	Size $\frac{3}{4}$ Ø 1 mm	Size $1\frac{1}{2}$ Ø 1.4 mm	Size 3 Ø 2 mm	Size 8 Ø 3 mm	Size 14 Ø 4 mm	Size 24 Ø 5.8 mm	Size 36 Ø 7.3 mm
max. number of tails	521	273	136	59	34	16	10
min. number of tails	59	32	15	7	4	2	2
fine randomisation recommendable	—	—	—	yes	yes	yes	yes

## TECHNICAL DATA OF GLASS FIBER TAILS

Fiber type (Size)	Optical Ø (mm) (single tail)	Outside Ø (mm) (single tail)	End sleeve Ø * (mm) (single tail)	Smallest permissible bending radius (mm) **
Size $\frac{3}{4}$	1.0	2.20 ± 0.10	3	5
Size $1\frac{1}{2}$	1.4	2.70 ± 0.10	3.5	8
Size 3	2.0	3.85 ± 0.15	5	15
Size 8	3.0	4.85 ± 0.15	5	20
Size 14	4.0	6.35 ± 0.15	5	25
Size 24	5.8	8.70 ± 0.30	8	50
Size 36	7.3	10.10 ± 0.30	8	60

## RESIDUAL LIGHT VALUES (depending on tail length)



\* All decorative and functional light fittings are adjusted to these end ferrule diameters. Drawings of all available end ferrules - see mounting instructions.

\*\* With fiber lengths over 500 mm.

## LIGHT GUIDES, Endlight glass fibers, stock fibers

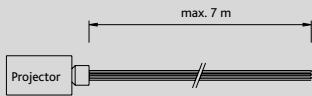
The glass fiber light guides listed here are available from stock and can be delivered at short notice.  
Individual light guides, also with different arm lengths and / or different fiber diameters, are available upon request.

Art. No.	Size	Fiber Ø (mm)	Tails total	Tails single	Tail length (mm)
A.9942 NR 110 122	¾	Ø 1.0	80		5,000
A.9942 NR 115 010	1½	Ø 1.4	35	20 15	2,000 3,500
A.9942 NR 115 100	1½	Ø 1.4	60		2,000
A.9942 NR 115 110	1½	Ø 1.4	60		4,000
A.9942 NR 115 120	1½	Ø 1.4	70		3,000
A.9942 NR 115 119	1½	Ø 1.4	70	30 40	4,000 6,000
A.9942 NR 115 121	1½	Ø 1.4	80		3,000
A.9942 NR 115 122	1½	Ø 1.4	80		5,000
A.9942 NR 115 130	1½	Ø 1.4	100		3,000
A.9942 NR 115 150	1½	Ø 1.4	100	40 60	3,000 5,000
A.9942 NR 115 151	1½	Ø 1.4	100		8,000
A.9942 NR 115 140	1½	Ø 1.4	150		5,000
A.9942 NR 115 141	1½	Ø 1.4	150	60 60 30	5,000 8,000 10,000
A.9942 NR 120 110	3	Ø 2.0	80		3,000
A.9942 NR 130 100	8	Ø 3.0	40		2,000
A.9942 NR 140 091	14	Ø 4.0 fine randomised fibers	12		1,500
A.9942 NR 140 092	14	Ø 4.0 fine randomised fibers	12	6 6	3,500 6,000
A.9942 NR 140 100	14	Ø 4.0	20		1,200
A.9942 NR 140 104	14	Ø 4.0 fine randomised fibers	20	8 12	2,500 4,000
A.9942 NR 140 112	14	Ø 4.0 fine randomised fibers	24		2,000
A.9942 NR 140 130	14	Ø 4.0 fine randomised fibers	32	15 17	2,500 4,000
A.9942 NR 140 120	14	Ø 4.0 fine randomised fibers	33	20 13	2,000 3,000
A.9942 NR 140 121	14	Ø 4.0	33	20	2,000
with B4 end ferrules - only for mini-lenses		fine randomised fibers		13	3,000
A.9942 NR 140 140	14	Ø 4.0	32	15	3,000
with B4 end ferrules - only for mini-lenses		fine randomised fibers		17	5,000

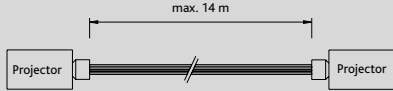


Harness configurations  
(production according to customer specifications)

Variant 1



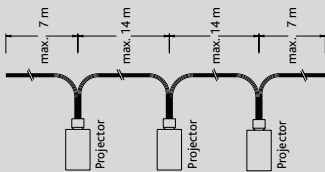
Variant 2



Variant 3



Variant 4



## SIDELIGHT (GLASS)

Sidelight light guides radiate the fed in light over the entire length primarily homogeneously. They permit linear light solutions in the indoor and outdoor areas of hotels, restaurants, bars, discos, cinemas, theaters etc., for example for the marking of steps of stairwells, for indicating directions or for the accentuation of contours and other shapes.

They are recommended for use particularly in damp rooms, since the light is transmitted free of current from the projector onwards.

Note: Suitable for indoor and outdoor applications.

The radiated quantity of light is continuously reduced over the length of the light guide. As can be seen in figure 1, there are various possibilities of harness configuration.

Fiber tails:	outside Ø: 4.85 mm ± 0.15 mm Size 8 (optical Ø 3 mm)
Maximum number of tails:	59
Minimum number of tails:	7
Sheathing:	transparent PVC hose
Recommended max. lengths:	7 m (light fed in from one side) 14 m (light fed in from two sides)
Max. bending radius:	20 mm
Operating temperature:	-20° C to +80° C

Note: If Sidelight (glass) light guides are used, a loss of light intensity along the entire length should be expected.



## SIDEGLOW (GLASS)

Sideglow light guides radiate the light laterally over the entire length in the form of irregular points. Decorative and dynamic effects can be produced when a light source with a colour wheel is integrated.

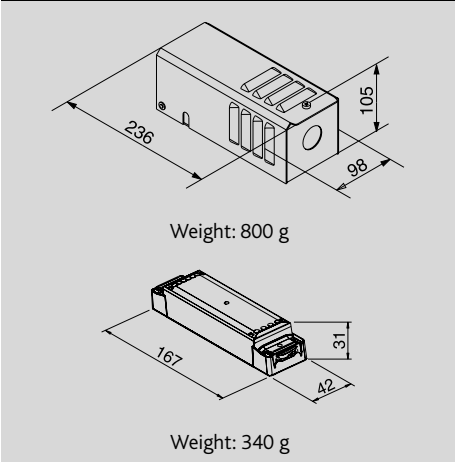
Note: Suitable for indoor areas only.

Fiber tails:	outside Ø: 2.2 mm ± 0.1 mm Size 1 (optical Ø 1.1 mm)
Maximum number of tails:	434 tails
Minimum number of tails:	49 tails
Sheathing:	transparent PVC hose
Recommended max. lengths:	10 m (light fed in from one side)
Max. bending radius:	5 mm
Operating temperature:	-20° C to +80° C



St. Stephan Apotheke, Wattens - Photo: Johannes Weiss, Innsbruck



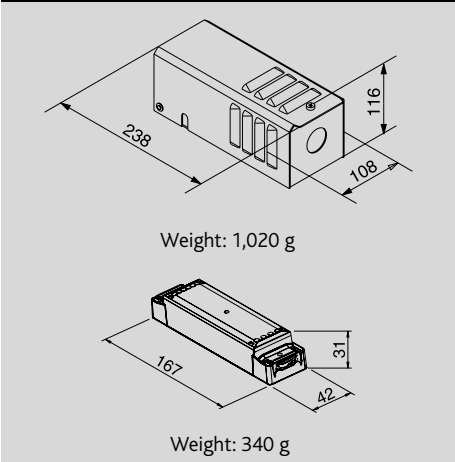


LIGHT PROJECTOR 100 W HALOGEN

With electronic, ready-to-plug-in transformer (Wieland plug connector, cable length 2.5 m), Swarovski cold-light reflector, lamp, thermal cutoff and silent ventilator.  
Power supply: 230 - 240 V, 50 - 60 Hz, 105VA  
Weight: 1,140 g  
Use: Starry skies, crystal panels, showcases, illumination of paintings, showers, saunas, etc.  
Note: Suitable for glass fibers only



A.9942 NR 040 310



COLOUR LIGHT PROJECTOR 100 W HALOGEN

5 colours (clear, yellow, green, red, blue), continuous change of colour with steplessly adjustable colour change frequency (3 - 17 colour changes per minute, regulator on the light projector).  
With electronic, ready-to plug-in transformer (Wieland plug connector, cable length 2.5 m), Swarovski cold-light reflector, lamp, thermal cutoff and silent ventilator.  
Power supply: 230 - 240 V, 50 - 60 Hz, 105VA  
Weight: 1,360 g  
Use: Starry skies, crystal panels, showers, saunas, etc.  
Note: Suitable for glass fibers only



A.9942 NR 040 401

COLOUR LIGHT PROJECTOR 100 W HALOGEN WITH REMOTE CONTROL UNIT

Equipped like A.9942 NR 040 401, but with remotely controllable single colour changes via cable (1 m cable with switch, extendible) and start-stop operation of the colour wheel.  
Power supply: 230 - 240 V, 50 - 60 Hz, 105VA  
Weight: 1,420 g  
Note: Suitable for glass fibers only



A.9942 NR 040 410



## LIGHT PROJECTORS, incl. lamps

## EFFECT PROJECTOR 100 W HALOGEN

Equipment and use same as A.9942 NR 040 401, but with effect wheel (flicker effect)

Power supply: 230 - 240 V, 50 - 60 Hz, 105VA

Weight: 1,360 g

Note: Suitable for glass fibers only



A.9942 NR 040 420

## SHOWCASE PROJECTOR 100 W HALOGEN WITH GREY SCALE FILTER AND REMOTE CONTROL

Equipment: same as A.9942 NR 040 410, but with remotely controllable dimmer function by means of a grey scale filter

Optional grades 30 %, 45 %, 60 % and 75 %

Controllable via button (1 m connection cable, extendible in length)

Power supply: 230 - 240 V, 50 - 60 Hz, 105VA

Weight: 1,620 g

Note: Suitable for glass fibers only



A.9942 NR 040 430

## LIGHT PROJECTOR 100 W HALOGEN WITH INTERVAL CONTROL SYSTEM

Equipment: same as A.9942 NR 040 401, but with the following remotely controllable operating modes:

Colour change with adjustable time (0-25 minutes), colour rotation and pre-selection of a colour (start-stop operation)

Power supply: 230 - 240 V, 50 - 60 Hz, 105VA

Weight: 1,620 g

Note: Suitable for glass fibers only



A.9942 NR 040 440



## LIGHT PROJECTOR 150 W HIT, HIGH POWER (ELB)

With electronic lamp ballast ELB (Wieland plug connector, cable length 2.9 m),  
Swarovski cold-light reflector, HIT-lamp 4,200° K\*, thermal cutoff and silent ventilator

Power supply: 220 - 240 V, 50 - 60 Hz

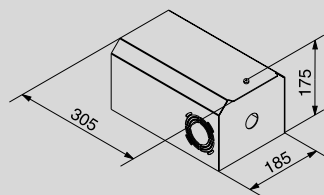
Weight: 4,640 g

Use: Illumination of rooms, tables, showcases, paintings, from case to case for starry skies, etc.

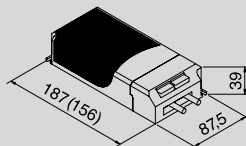
Note: Suitable for glass fibers only



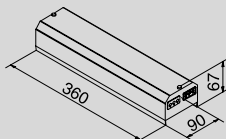
A.9942 NR 040 510



Weight: 3.680 g



Weight ELB: 70/150 W: 760/960 g



Weight CLB: 3.720 g

## LIGHT PROJECTOR 150 W HIT, HIGH POWER (CLB)

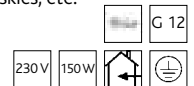
With conventional lamp ballast CLB (Wieland plug connector, cable length 2.9 m),  
Swarovski cold-light reflector, HIT-lamp 4,200° K\*, thermal cutoff and silent ventilator

Power supply: 230 - 240 V, 50 Hz

Weight: 7,400 g

Use: Illumination of rooms, tables, showcases, paintings, from case to case for starry skies, etc.

Note: Suitable for glass fibers only



A.9942 NR 040 500

## LIGHT PROJECTOR 70 W HIT, HIGH POWER (ELB)

With electronic lamp ballast ELB (Wieland plug connector, cable length 2.9 m),  
Swarovski cold-light reflector, HIT-lamp 4,200° K\*, thermal cutoff and silent ventilator

Power supply: 220 - 240 V, 50 - 60 Hz

Weight: 4,440 g

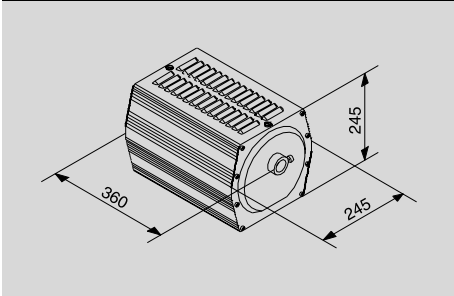
Use: Illumination of rooms, tables, showcases, paintings, from case to case for starry skies, etc.

Note: Suitable for glass fibers only



A.9942 NR 040 570

\*3,000° K on request



LIGHT PROJECTOR 150 W HIT, HIGH PERFORMANCE STANDARD

With integrated electronic lamp ballast, ELB, Swarovski cold light reflector, HIT lamp (BLV Topspot 150 W) 4,200° K\*, thermal cutoff mechanism and fan.  
Power supply: 230 V, 50 - 60 Hz  
Weight: 7,720 g  
Application: for sidelight applications  
Note: suitable for glass, fibers and PMMA-sidelight fibers.



A.9942 NR 040 622

COLOUR-LIGHT PROJECTOR 150 W HIT, HIGH PERFORMANCE COLOUR

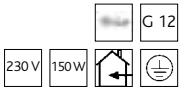
8 colours (clear, light blue, pink, purple, dark blue, green, red, yellow), continuous colour change (8 colour changes per minute) and start-stop operation of the colour wheel.  
With integrated electronic lamp ballast, ELB, Swarovski cold light reflector, HIT lamp (BLV Topspot 150 W) 4,200° K\*, thermal cutoff mechanism and fan.  
Power supply 230 V, 50 - 60 Hz  
Weight: 7,860 g  
Application: starry sky, crystal panels, special lighting and sidelight applications  
Note: suitable for glass, fibers and PMMA-sidelight fibers.



A.9942 NR 040 620

COLOUR-LIGHT PROJECTOR 150 W HIT,  
DIMMABLE WITH DMX CONTROL, HIGH PERFORMANCE COLOUR DIGITAL

8 colours (clear, light blue, pink, purple, dark blue, green, red, yellow), external control of light scenes with digital DMX or analogue control protocols. Through a variety of internal programmes, stand-alone operation is possibility.  
With integrated electronic lamp ballast, ELB, Swarovski cold light reflector, HIT lamp (BLV-Topspot 150 W) 4,200° K\*, thermal cutoff mechanism and fan.  
Power supply: 230 V, 50 - 60 Hz  
Weight: 9,100 g  
Application: starry sky, crystal panels, special lighting and sidelight applications  
Note: suitable for glass, fibers and PMMA-sidelight fibers.



A.9942 NR 040 630

\*3,000° K on request



## ACCESSORIES - FIBER OPTICS

<b>Halogen light projectors</b>		
A.9942	NR 059 112	Lamp 100 W/12 V, GY6.35, 3.000° K
A.9942	NR 059 118	Transformer, Tridonic TE 0105S001, 12 V AC/50 Hz
<b>HIT light projectors "High Power"</b>		
A.9942	NR 059 129	HIT lamp, BLV Top Spot 225002, HIT-70, G12 NW, 4.200° K
A.9942	NR 059 115	HIT lamp, BLV Top Spot 225011, HIT-70, G12 WW, 3.000° K
A.9942	NR 059 113	HIT lamp, BLV Top Spot 226222, HIT-150, G12 NW, 4.200° K
A.9942	NR 059 114	HIT lamp, BLV Top Spot 226221, HIT-150, G12 WW, 3.000° K
<b>Lamp ballast</b>		
A.9942	NR 059 117	conventional, ready to plug in, Tridonic Powerpak OMBG 150E113, 230 - 240 V, 50 Hz
A.9942	NR 059 116	electronic, ready to plug in, Tridonic Power Control PCI 0150 A001, 220 - 240 V, 50 - 60 Hz
A.9942	NR 059 128	electronic, ready to plug in, Tridonic Power Control PCI 0070 A001, 220 - 240 V, 50 - 60 Hz
<b>HIT light projectors "High Performance"</b>		
A.9942	NR 059 113	HIT lamp, BLV Top Spot 226222, HIT-150, G12 NW, 4.200° K
A.9942	NR 059 114	HIT lamp, BLV Top Spot 226221, HIT-150, G12 WW, 3.000° K
<b>Lighting control cable</b>		
to connect projectors (for master-slave function) with plug and connection		
A.9942	NR 059 106	Length 1 m
A.9942	NR 059 107	Length 5 m
A.9942	NR 059 108	Length 10 m
<b>DMX lighting control desk, incl. 5 m lighting control cable</b>		
A.9942	NR 040 650	Dimensions: 185 x 140 x 55 mm
		Weight: approx. 0.85 kg
		Power supply: 15 - 25 V DC, approx. 160 mA





**... CREATING WARMTH,**  
AMBIANCE AND TEMPERAMENT



Disco X-SQ, Thiene - Photo: Idea di Giuseppe Santamania Palombo

## LED THE CRYSTAL SHINE

The perfect amalgamation of crystal with LED technology: Internally lighting built-in spotlights and crystal panels without clearly locatable light source create a spellbinding firework of spectral colours.

This event can be experienced in many types of rooms: Spotlights built into the floor are an irresistible invitation to dance, on staircases they show visitors the way, integrated in walls or furniture they catch the eye. For it is not only when the light is on, but even when the light is off that the visitor is mesmerised by the beauty of the crystals.

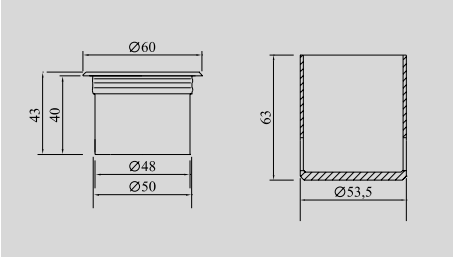
LED lit crystal panels are often referred to as the light modules of the future. With their small installation depth, there is nothing to stop their integration in ceilings, walls, furniture, tables etc. The range of possible applications is almost without limit: Be it in a luxurious hotel lobby, an elegant corridor in a business building, a doctor's practice or in a bathroom - an LED crystal panel or built-in LED spotlight enhances the character of any room.

In addition to being a decorative feature, built-in LED spotlights and LED crystal panels offer a number of other advantages, such as the extremely low maintenance requirement, long service life and low power consumption of LEDs.

Because of the high degree of protection, built-in LED spotlights can also be installed in representative outside areas! Often built-in LED spotlights magically transform inconspicuous features into a world of rainbow colours!



LED RECESSED SPOTS

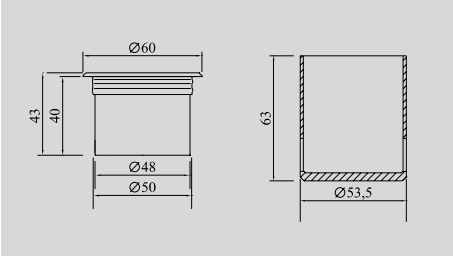


SAMBA

Recessed crystal with decorative luminary.  
Highest-possible operating safety through LED-technology.  
Power supply: 24 V DC  
Capacity: 0.5 W  
Weight: 200 g  
Protection class: IP67

24 V IP67

A.9945 NR 020 560

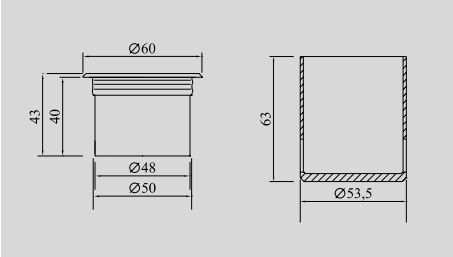


ROCK

Recessed crystal with decorative luminary.  
Highest-possible operating safety through LED-technology.  
Power supply: 24 V DC  
Capacity: 0.5 W  
Weight: 200 g  
Protection class: IP67

24 V IP67

A.9945 NR 020 600



TANGO

Recessed crystal with decorative luminary.  
Highest-possible operating safety through LED-technology.  
Power supply: 24 V DC  
Capacity: 0.5 W  
Weight: 200 g  
Protection class: IP67

24 V IP67

A.9945 NR 020 610



Ornamentic 1\* A.9938 NR 100 100

\* partial colour crystals as shown in illustration

CRYSTAL PANELS, wall elements

MOTIF "ORNAMENTIC"

- Construction: 6 mm float glass, 12 mm spacer with pressure-balancing valve, 6 mm mirror
- Dimension: 300 x 1,000 mm
- Weight: approx. 9.5 kg
- Total height: max. 32 mm
- Covered area: 15 mm all-round
- Illumination: Motif "Ornamentic 1": no illumination planned; illumination with a halogen ceiling spot possible
- Motif "Ornamentic 2": illumination by means of 9 LED light points attached to the rear side of the mirror

A.9938	NR 100 100	Ornamentic 1
A.9932	NR 900 100	Ornamentic 2



Ornamentic 2\* A.9932 NR 900 100

Photo: Heinz Stanger, Innsbruck

LED





CRYSTAL PANELS, wall elements, LED-illuminated

MOTIF “SUPERNOVA” 960 X 540 MM with depth effect, LED-illuminated

Construction: Stopsol 6 mm in ESG, vitreous enamel border 40 mm, RAL 7012; 12 mm spacer and pressure compensating valve, mirror 4 mm with 30 LED light points inclusive transformer, mains cable and plug (230 V).  
Mounted in an aluminium frame for wall mounting.

Number of crystals: approx. 1,700 hand-set crystals

Weight: approx. 23 kg

Depth: 38 mm (without plug)



A.9932 NR 800 100



illuminated



not illuminated

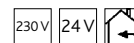
LED

## CRYSTAL PANELS, ceiling elements, LED-illuminated

### MOTIF "IMPLOSION" 595 X 595 MM with depth effect, LED-illuminated

Construction: Safety composite of 4 mm Optiwhite and 6 mm Stopsol, 12 mm spacer with pressure compensating valve, 4 mm mirror with 30 LED light points, inclusive transformer, mains cable and plug (230 V).  
Motif composed of approx. 570 hand-set crystals.

Weight: approx. 15 kg  
Supporting area: min. 15 mm all-round  
Total height: max. 35 mm



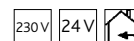
A.9932 NR 700 059



### MOTIF "IMPLOSION" 1,000 X 1,000 MM with depth effect, LED-illuminated

Construction: Safety composite of 4 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure compensating valve, 6 mm mirror with 60 LED light points, inclusive transformer, mains cable and plug (230 V).  
Motif composed of approx. 1,600 hand-set crystals.

Weight: approx. 42 kg  
Supporting area: min. 20 mm all-round  
Total height: max. 35 mm

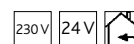


A.9932 NR 700 100

### MOTIF "IMPLOSION" 1,500 X 1,500 MM with depth effect, LED-illuminated

Construction: Safety composite of 6 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure compensating valve, 6 mm mirror with 100 LED light points, mains cable and plug (230 V).  
Motif composed of approx. 2,650 hand-set crystals.

Weight: approx. 95 kg  
Supporting area: min. 30 mm all-round  
Total height: max. 35 mm (inclusive 2 metal struts)

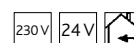


A.9932 NR 700 150

### MOTIF "IMPLOSION" 2,000 X 2,000 MM with depth effect, LED-illuminated

Construction: Safety composite of 6 mm Optiwhite (ESG) and 6 mm Stopsol 12 mm spacer with pressure compensating valve, 6 mm mirror with 150 LED light points, inclusive transformer, mains cable and plug (230 V).  
Motif composed of approx. 3,850 hand-set crystals.







Weight: approx. 165 kg  
Supporting area: min. 35 mm all-round  
Total height: max. 35 mm (inclusive 3 metal struts)



A.9932 NR 700 200

Note: Also available with fiber optical lighting.

## ACCESSORIES LED

A.9967	NR 500 200	Electronic LED control gear 24 V DC Output power max. 25 W Input voltage 230 - 240 V, 50 - 60 Hz Suitable for connection of max. 45 LED built-in crystals and all LED crystal panels Dimensions: 167 x 42 x 31 mm	
A.9967	NR 500 202	Electronic LED control gear 24 V DC Slimline Output power 1 - 10 W Input voltage 230 - 240 V, 50 - 60 Hz Suitable for connection of max. 15 LED built-in crystals Attention! Do not connect fewer than 3 LED built-in crystals (Voltage control)! Dimensions: 182 x 20 x 20 mm	
A.9967	NR 500 203	Electronic LED control gear 24 V DC Protection class IP67, suitable for outdoors Output power max. 70 W Input voltage 230 - 240 V, 50 - 60 Hz Suitable for connection of max. 120 LED built-in crystals Dimensions: 248 x 60 x 50mm	 
A.9967	NR 500 201	Electronic LED control gear 24 V DC Wide range input voltage 110 - 240 V, 50 - 60 Hz Output power max. 25 W Suitable for connection of max. 45 LED built-in crystals Dimensions: 133 x 40 x 31 mm	 







**... INSPIRING FLEXIBILITY,**  
MOODS AND ANIMATION



Photo: Johannes Weiss, Innsbruck

## INTRODUCTION

In keeping with their characteristic features, crystal panels are individually designed works of art in which practically every motif can be executed in crystal. Usually, these are combinations of glass panels and mirrors to form an insulating composite into which artistic motifs of crystals are integrated. Sandblasted or printed ornaments occasionally serve to supplement these motifs. The artistic creativity involved in the design of these motifs is not subject to any limits.

Brilliant and unique effects result from the illumination of the panels by means of optical fibers. Favourable in price and nevertheless perfect is, however, their illumination with a ceiling spot. It is often the case that even incident sunshine is sufficient to cause the crystals to radiate their full range of spectral colours.

Panels of the insulating composite type are equipped with a pressure-balancing valve. This remains open during air transport and must be closed immediately after delivery in order to once again ensure the sealing of the panel.

For lighting by means of optical fibers, please refer to the respective components listed on pages 72 and 75-77. LED-panels on pages 84-88.

Frames and other retaining constructions must be taken care of by the customer. The delivery time for the following standardised panels is 7 weeks.

### Legends:

- Optiwhite      specially white glass
- Stopsol      float glass, coated for depth effect
- Mirror      achromatic float mirror
- coloured mirrors are available in blue, green or grey
- Safety composite      safety glass from e.g. Optiwhite and Stopsol,  
                 resin laminated (for overhead security)
- ESG-execution      single-pane safety glass

### MOTIF "IMPLOSION" 595 X 595 MM with depth effect

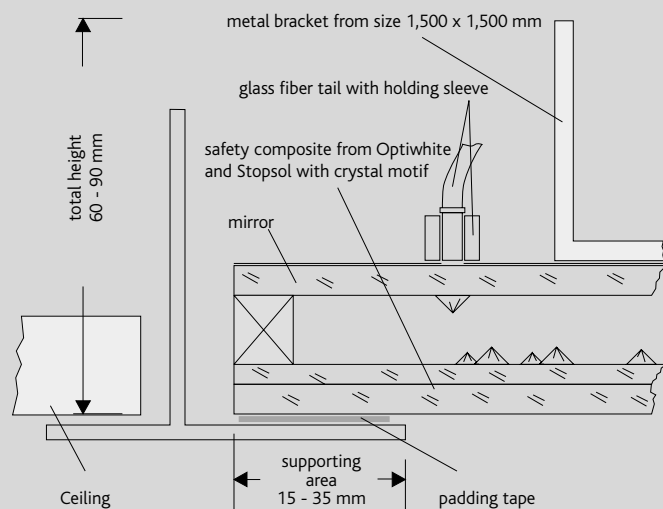
Construction: Insulating safety comp. of 4 mm Optiwhite and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 4 mm mirror with 30 fiber-holding sleeves for Size 1.5, motif of approx. 570 hand-set crystals.

Weight: approx. 15 kg

Supporting area: min. 15 mm all-round

Total height: max. 60 mm (incl. fiber tails)

A.9938 NR 300 059



### MOTIF "IMPLOSION" 1,000 X 1,000 MM with depth effect

Construction: Insulating safety comp. of 4 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 60 fiber-holding sleeves for Size 1.5, motif of approx. 1,600 hand-set crystals.

Weight: approx. 42 kg

Supporting area: min. 20 mm all-round

Total height: max. 60 mm (incl. fiber tails)

A.9938 NR 300 100

### MOTIF "IMPLOSION" 1,500 X 1,500 MM with depth effect

Construction: Insulating safety comp. of 6 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 100 fiber-holding sleeves for Size 1.5, motif of approx. 2,650 hand-set crystals.

Weight: approx. 95 kg

Supporting area: min. 30 mm all-round

Total height: max. 90 mm (incl. fiber tails and 2 metal brackets)

A.9938 NR 300 150

### MOTIF "IMPLOSION" 2,000 X 2,000 MM with depth effect

Construction: Insulating safety comp. of 6 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 150 fiber-holding sleeves for Size 1.5, motif of approx. 3,850 hand-set crystals.

Weight: approx. 165 kg

Supporting area: mind. 35 mm all-round

Total height: max. 90 mm (incl. fiber tails and 3 metal brackets)

A.9938 NR 300 200

For lighting by means of optical fibers, please refer to the respective components listed on pages 72 and 75-77. Frames and other retaining constructions must be taken care of by the customer.

## CRYSTAL PANELS, ceiling elements

### MOTIF "ANDROMEDA" 595 X 595 MM with depth effect

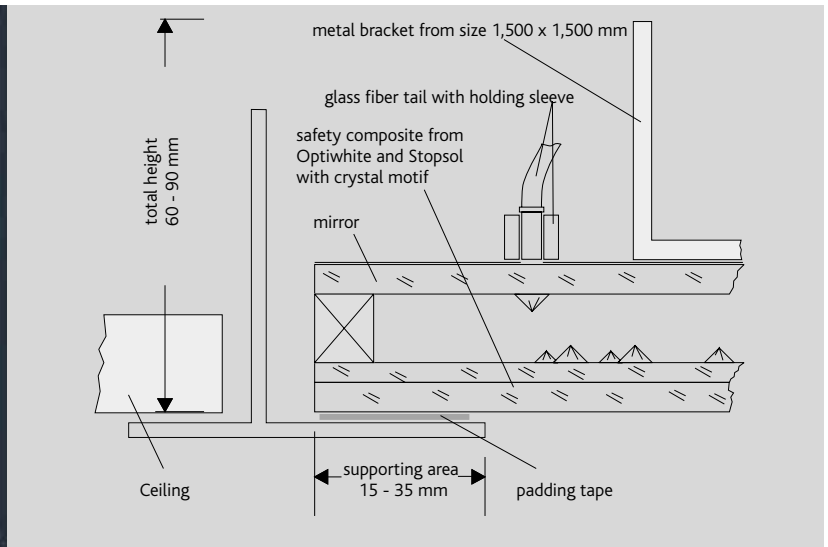
Construction: Insulating safety comp. of 4 mm Optiwhite and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 4 mm mirror with 30 fiber-holding sleeves for Size 1.5, motif of approx. 950 hand-set crystals.

Weight: approx. 15 kg

Supporting area: min. 15 mm all-round

Total height: max. 60 mm (incl. fiber tails)

A.9938 NR 400 059



### MOTIF "ANDROMEDA" 1,000 X 1,000 MM with depth effect

Construction: Insulating safety comp. of 4 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 60 fiber-holding sleeves for Size 1.5, motif of approx. 1,700 hand-set crystals.

Weight: approx. 42 kg

Supporting area: min. 20 mm all-round

Total height: max. 60 mm (incl. fiber tails)

A.9938 NR 400 100

### MOTIF "ANDROMEDA" 1,500 X 1,500 MM with depth effect

Construction: Insulating safety comp. of 6 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 100 fiber-holding sleeves for Size 1.5, motif of approx. 3,800 hand-set crystals.

Weight: approx. 95 kg

Supporting area: min. 30 mm all-round

Total height: max. 90 mm (incl. fiber tails and 2 metal brackets)

A.9938 NR 400 150

### MOTIV "ANDROMEDA" 2,000 X 2,000 MM with depth effect

Construction: Insulating safety comp. of 6 mm Optiwhite (ESG) and 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror with 150 fiber-holding sleeves for Size 1.5, motif of approx. 6,700 hand-set crystals.

Weight: approx. 165 kg

Supporting area: min. 35 mm all-round

Total height: max. 90 mm (incl. fiber tails and 3 metal brackets)

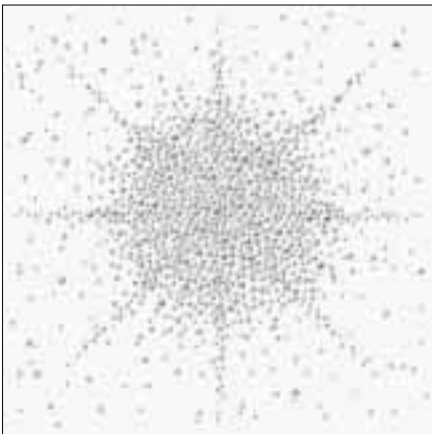
A.9938 NR 400 200

For lighting by means of optical fibers, please refer to the respective components listed on pages 72 and 75-77. Frames and other retaining constructions must be taken care of by the customer.



MOTIF "SPACE" with depth effect

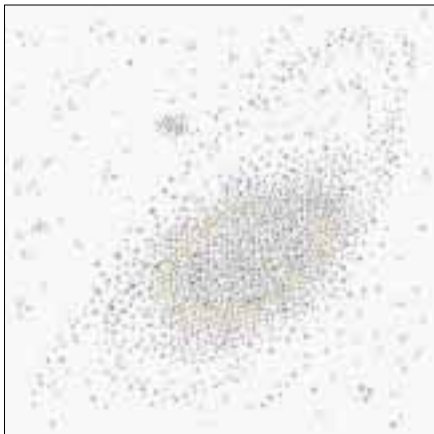
Construction and effect: see motifs "Andromeda" and "Implosion"  
Illumination: designed for illumination by means of fiber optics (Size 1.5)  
Sizes: These panels are available in 2 different sizes:  
595 x 595 mm with 30 light points and 1,000 x 1,000 mm with 60 light points  
Further sizes (1,500 x 1,500 mm with 100 light points and 2,000 x 2,000 mm with 150 light points) on request



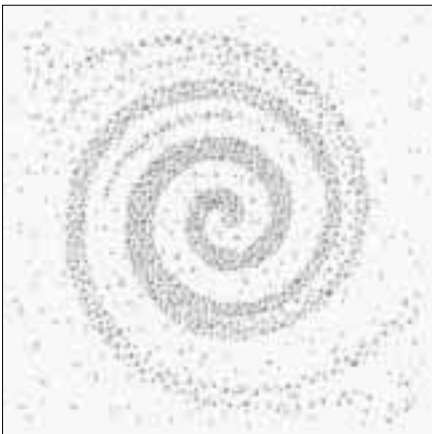
Space 1		
A. 9938	NR 000 013	595 x 595 mm
A. 9938	NR 000 074	1.000 x 1.000 mm



Space 2		
A. 9938	NR 000 024	595 x 595 mm
A. 9938	NR 000 075	1.000 x 1.000 mm



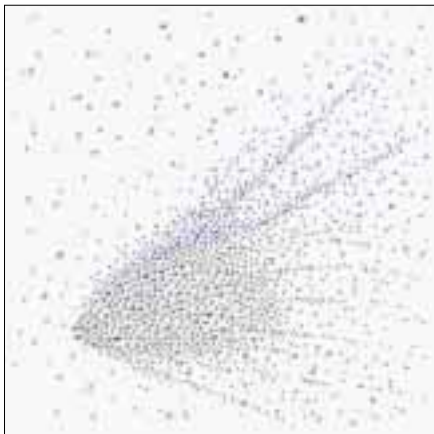
Space 3*		
A. 9938	NR 000 026	595 x 595 mm
A. 9938	NR 000 076	1.000 x 1.000 mm



Space 4		
A. 9938	NR 000 077	595 x 595 mm
A. 9938	NR 000 078	1.000 x 1.000 mm



Space 5*		
A. 9938	NR 000 070	595 x 595 mm
A. 9938	NR 000 079	1.000 x 1.000 mm



Space 6*		
A. 9938	NR 000 072	595 x 595 mm
A. 9938	NR 000 092	1.000 x 1.000 mm

For lighting by means of optical fibers, please refer to the respective components listed on pages 72 and 75-77.  
Frames and other retaining constructions must be taken care of by the customer.  
\* partial colour crystals as shown in illustration





## CRYSTAL PANELS, ceiling elements

### MOTIF "NORTHERN LIGHTS" DIAMETER 1,000 MM with depth effect

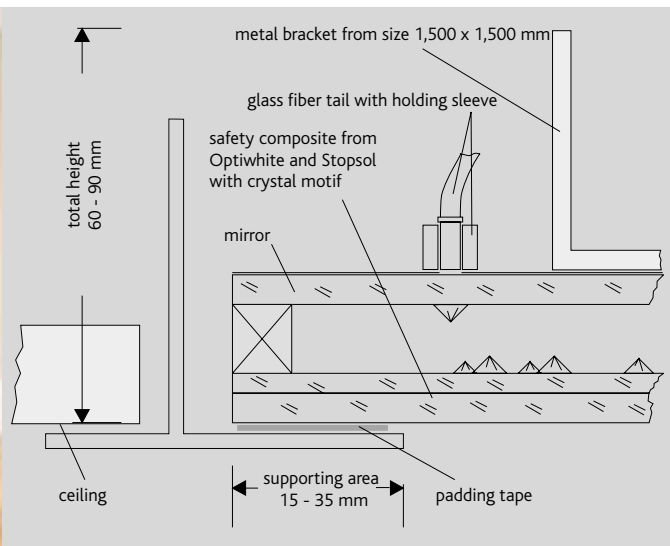
Construction: Insulating safety composite of 4 mm Optiwhite (ESG) and 6 mm Stopsol, with sandblasted "S", 12 mm spacer with pressure-balancing valve, 4 mm mirror with 60 fiber-holding sleeves for Size 1.5, motif of approx. 2,500 hand-set crystals.

Weight: approx. 30 kg

Supporting area: min. 20 mm all-round

Total height: max. 60 mm (incl. fiber tails)

A.9938 NR 520 100



### MOTIF "NORTHERN LIGHTS" DIAMETER 1,500 MM with depth effect

Construction: Insulating safety composite of 6 mm Optiwhite (ESG) and 6 mm Stopsol, with sandblasted "S", 12 mm spacer with pressure-balancing valve, 6 mm mirror with 100 fiber-holding sleeves for Size 1.5, motif of approx. 4,800 hand-set crystals.

Weight: approx. 75 kg

Supporting area: min. 30 mm all-round

Total height: max. 90 mm (incl. fiber tails and 2 metal brackets)

A.9938 NR 520 150

### MOTIF "NORTHERN LIGHTS" DIAMETER 2,000 MM with depth effect

Construction: Insulating safety composite of 6 mm Optiwhite (ESG) and Stopsol 6 mm, with sandblasted "S", 12 mm spacer with pressure-balancing valve, 6 mm mirror with 150 fiber-holding sleeves for Size 1.5, motif of approx. 8,000 hand-set crystals.

Weight: approx. 130 kg

Supporting area: min. 35 mm all-round

Total height: max. 90 mm (incl. fiber tails and 3 metal brackets)

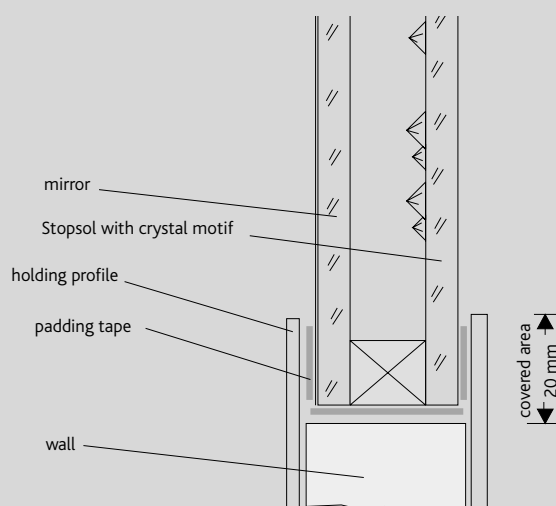
A.9938 NR 520 200

## CRYSTAL PANELS, wall elements – without illumination

### MOTIF "BUBBLES" 600 X 800 MM with little depth effect

Construction: 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 1,050 hand-set crystals.  
Weight: approx. 15 kg  
Supporting area: 20 mm all-round  
Illumination by halogen-ceiling spot feasible

A.9938 NR 110 080



### MOTIF "BUBBLES" 900 X 1,100 MM with little depth effect

Construction: 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 1,950 hand-set crystals.  
Weight: approx. 30 kg  
Supporting area: 20 mm all-round  
Illumination by halogen-ceiling spot feasible

A.9938 NR 110 110

### MOTIF "BUBBLES" 1,200 X 1,500 MM with little depth effect

Construction: 6 mm Stopsol, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 2,940 hand-set crystals.  
Weight: approx. 55 kg  
Supporting area: 20 mm all-round  
Illumination by halogen-ceiling spot feasible

A.9938 NR 110 150

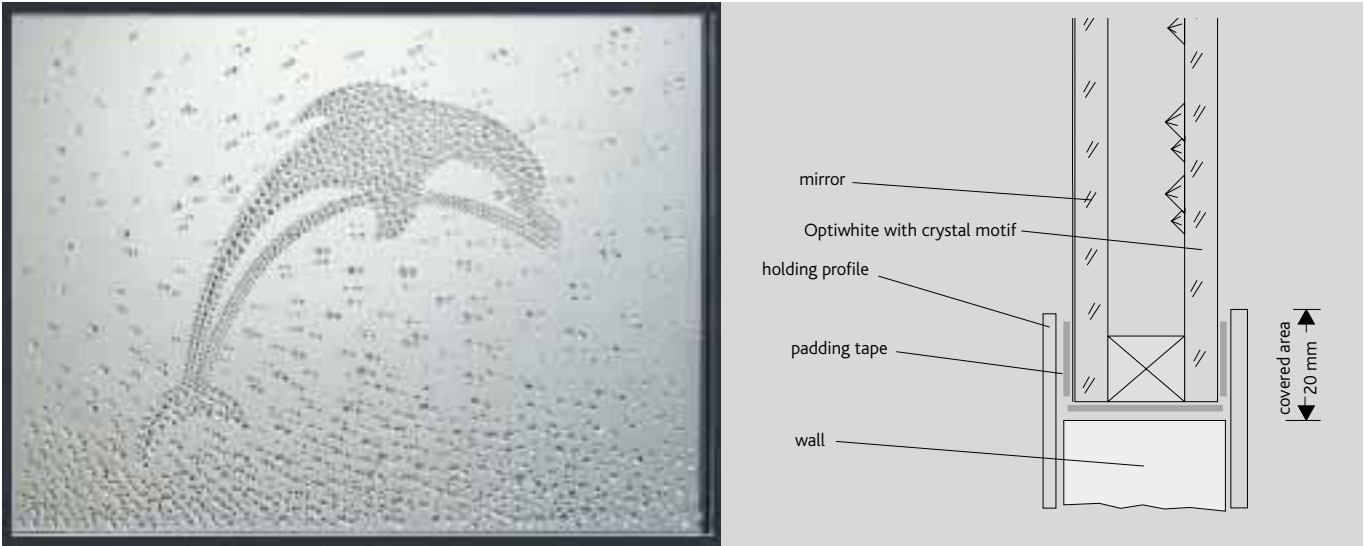
Frames and other retaining constructions must be taken care of by the customer.

CRYSTAL PANELS, wall elements – without illumination

MOTIF "DOLPHIN" 800 X 600 MM

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 1,100 hand-set crystals.  
Weight: approx. 15 kg  
Supporting area: 20 mm all-round  
Illumination by halogen ceiling spot feasible

A.9938 NR 210 060



MOTIF "DOLPHIN" 1,100 X 900 MM

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 2,900 hand-set crystals.  
Weight: approx. 30 kg  
Supporting area: 20 mm all-round  
Illumination by halogen ceiling spot feasible

A.9938 NR 210 090

MOTIF "DOLPHIN" 1,500 X 1,200 MM

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 6 mm mirror, motif of approx. 4,500 hand-set crystals.  
Weight: approx. 55 kg  
Supporting area: 20 mm all-round  
Illumination by halogen ceiling spot feasible

A.9938 NR 210 120



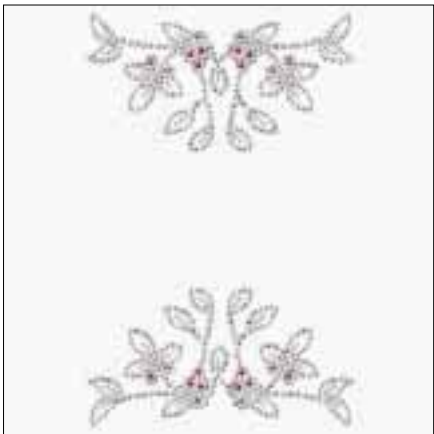
CRYSTAL PANELS, wall elements – without illumination

MOTIF “FLORAL”

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 or 6 mm mirror  
Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
Sizes: These panels are available in 2 different sizes:  
595 x 595 mm and 1,000 x 1,000 mm  
Further sizes (1,500 x 1,500 mm and 2,000 x 2,000 mm) on request



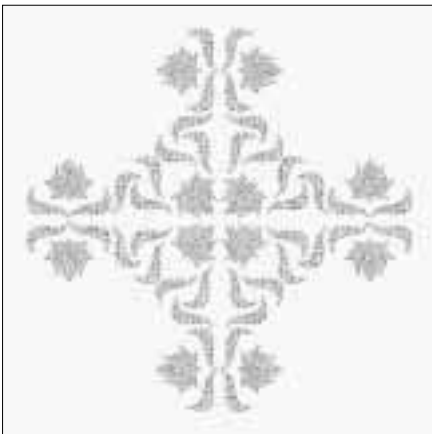
Floral 1		
A. 9938	NR 000 081	595 x 595 mm
A. 9938	NR 000 049	1,000 x 1,000 mm



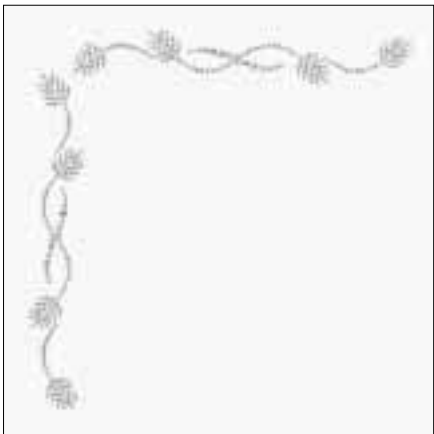
Floral 2*		
A. 9938	NR 000 082	595 x 595 mm
A. 9938	NR 000 083	1,000 x 1,000 mm



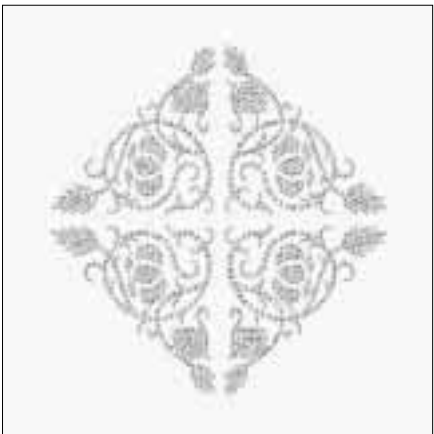
Floral 3		
A. 9938	NR 000 084	595 x 595 mm
A. 9938	NR 000 085	1,000 x 1,000 mm



Floral 4		
A. 9938	NR 000 086	595 x 595 mm
A. 9938	NR 000 087	1,000 x 1,000 mm

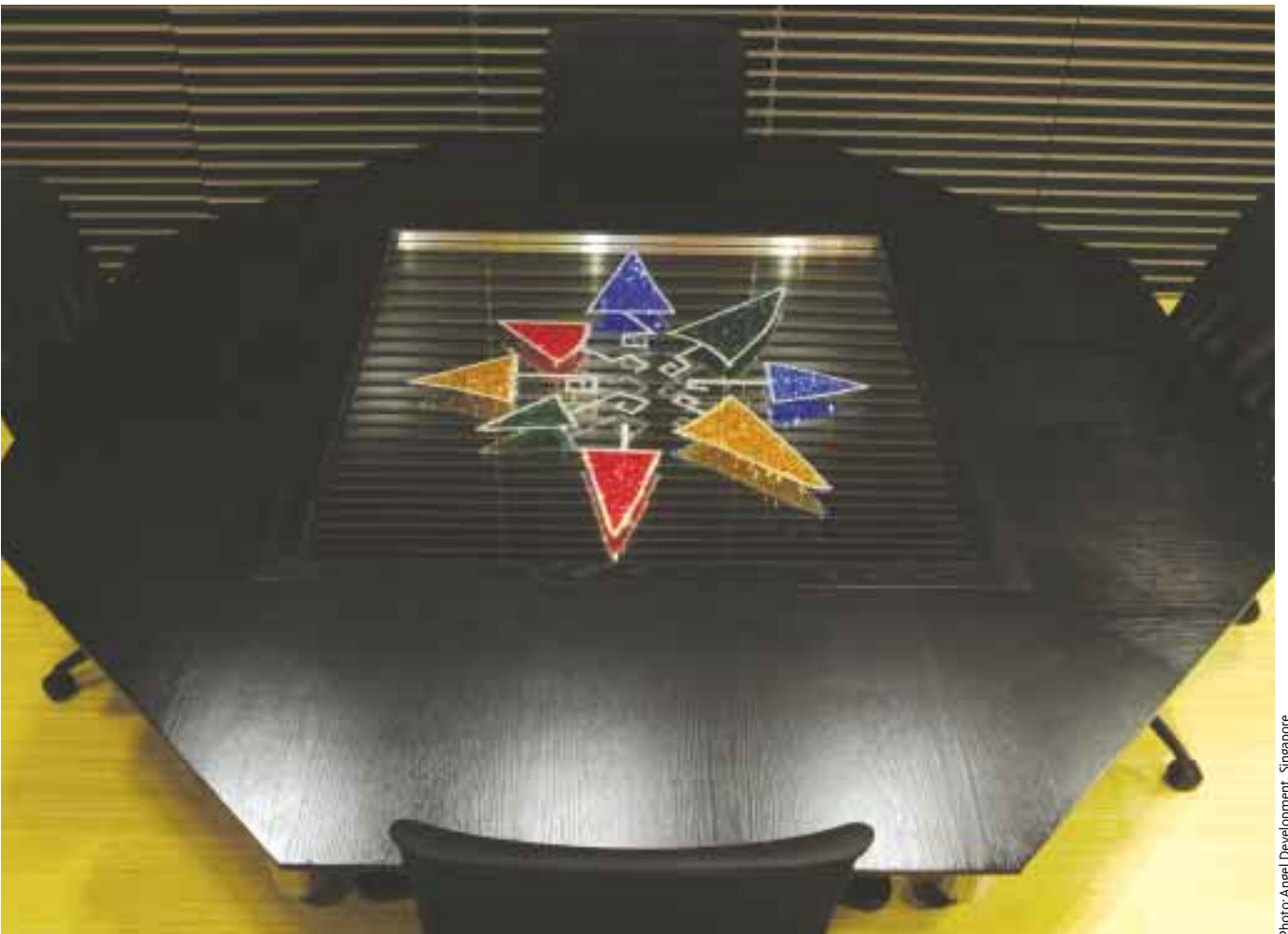


Floral 5		
A. 9938	NR 000 088	595 x 595 mm
A. 9938	NR 000 089	1,000 x 1,000 mm



Floral 6		
A. 9938	NR 000 090	595 x 595 mm
A. 9938	NR 000 091	1,000 x 1,000 mm

Frames and other retaining constructions must be taken care of by the customer.  
\* partial colour crystals as shown in illustration





## MOTIF "CONTEMPORARY"

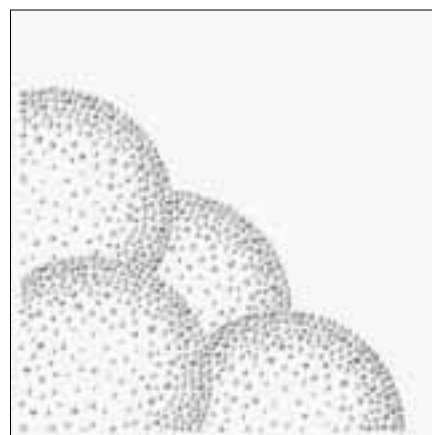
Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 or 6 mm mirror  
 Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
 Sizes: These panels are available in 2 different sizes:  
 595 x 595 mm and 1,000 x 1,000 mm  
 Further sizes (1,500 x 1,500 mm and 2,000 x 2,000 mm) on request



Contemporary 1		
A. 9938	NR 000 093	595 x 595 mm
A. 9938	NR 000 050	1,000 x 1,000 mm



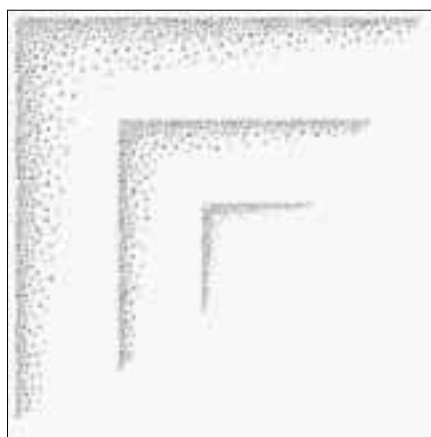
Contemporary 2*		
A. 9938	NR 000 015	595 x 595 mm
A. 9938	NR 000 051	1,000 x 1,000 mm



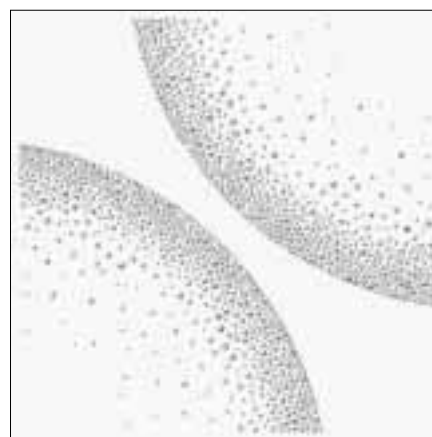
Contemporary 3		
A. 9938	NR 000 094	595 x 595 mm
A. 9938	NR 000 095	1,000 x 1,000 mm



Contemporary 4*		
A. 9938	NR 000 096	595 x 595 mm
A. 9938	NR 000 097	1,000 x 1,000 mm



Contemporary 5		
A. 9938	NR 000 098	595 x 595 mm
A. 9938	NR 000 052	1,000 x 1,000 mm



Contemporary 6		
A. 9938	NR 000 099	595 x 595 mm
A. 9938	NR 000 100	1,000 x 1,000 mm



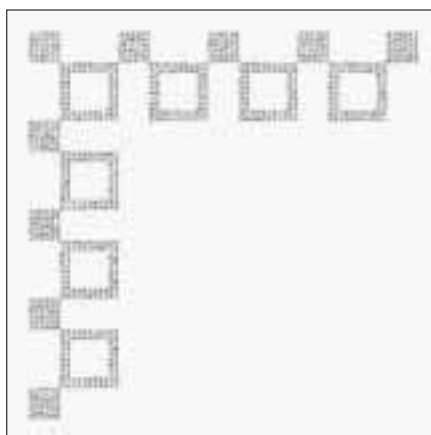
## CRYSTAL PANELS, wall elements – without illumination

### MOTIF "GEOMETRIC"

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 or 6 mm mirror  
 Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
 Sizes: These panels are available in 2 different sizes:  
 595 x 595 mm and 1,000 x 1,000 mm  
 Further sizes (1,500 x 1,500 mm and 2,000 x 2,000 mm) on request



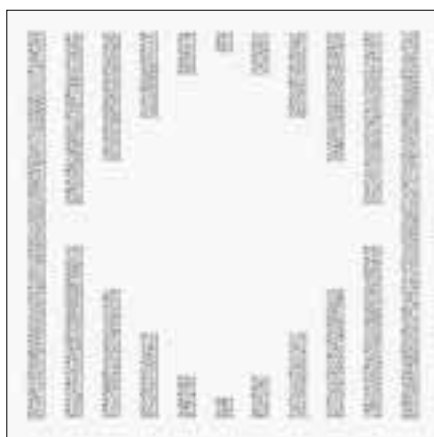
Geometric 1*			
A. 9938	NR 000 101	595 x 595 mm	
A. 9938	NR 000 053	1,000 x 1,000 mm	



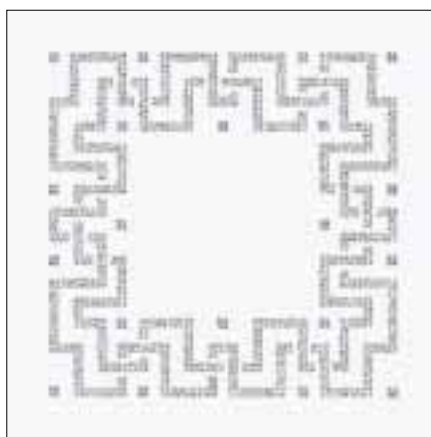
Geometric 2			
A. 9938	NR 000 102	595 x 595 mm	
A. 9938	NR 000 103	1,000 x 1,000 mm	



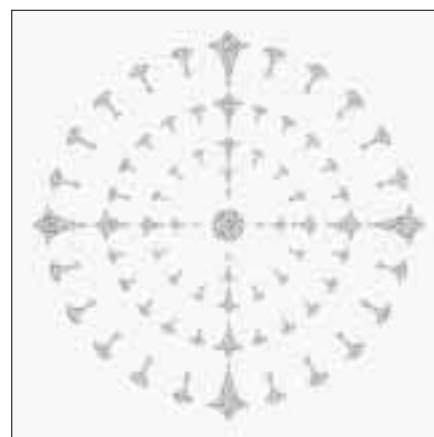
Geometric 3			
A. 9938	NR 000 104	595 x 595 mm	
A. 9938	NR 000 105	1,000 x 1,000 mm	



Geometric 4			
A. 9938	NR 000 106	595 x 595 mm	
A. 9938	NR 000 054	1,000 x 1,000 mm	



Geometric 5*			
A. 9938	NR 000 107	595 x 595 mm	
A. 9938	NR 000 055	1,000 x 1,000 mm	



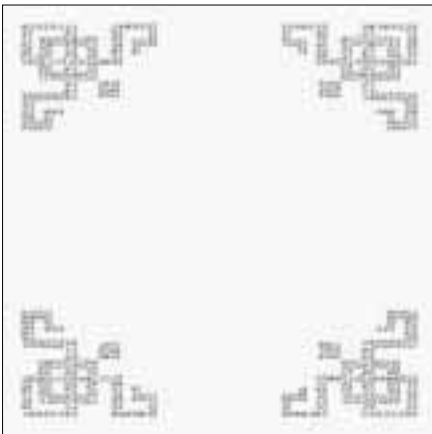
Geometric 6			
A. 9938	NR 000 108	595 x 595 mm	
A. 9938	NR 000 109	1,000 x 1,000 mm	

Frames and other retaining constructions must be taken care of by the customer.  
 \* partial colour crystals as shown in illustration

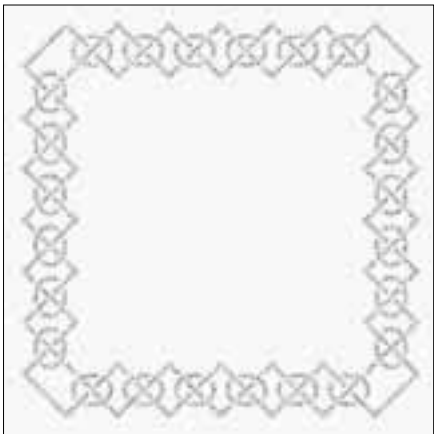
CRYSTAL PANELS, wall elements – without illumination

MOTIF “FRAMES”

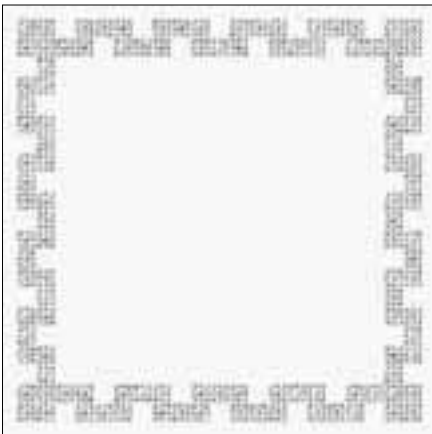
Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 or 6 mm mirror  
Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
Sizes: These panels are available in 2 different sizes:  
595 x 595 mm and 1,000 x 1,000 mm  
Further sizes (1,500 x 1,500 mm and 2,000 x 2,000 mm) on request



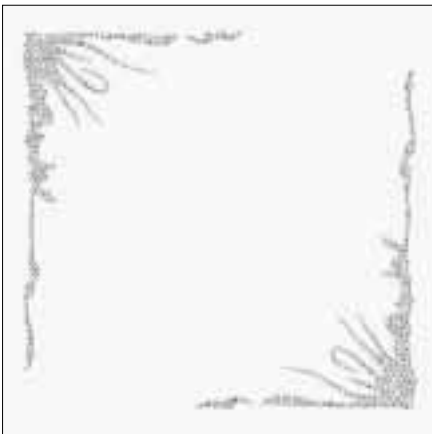
Frame 1		
A. 9938	NR 000 110	595 x 595 mm
A. 9938	NR 000 111	1,000 x 1,000 mm



Frame 2		
A. 9938	NR 000 112	595 x 595 mm
A. 9938	NR 000 056	1,000 x 1,000 mm



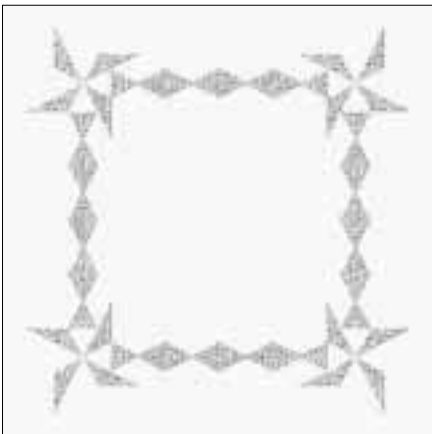
Frame 3		
A. 9938	NR 000 113	595 x 595 mm
A. 9938	NR 000 057	1,000 x 1,000 mm



Frame 4		
A. 9938	NR 000 114	595 x 595 mm
A. 9938	NR 000 115	1,000 x 1,000 mm



Frame 5		
A. 9938	NR 000 116	595 x 595 mm
A. 9938	NR 000 117	1,000 x 1,000 mm



Frame 6		
A. 9938	NR 000 118	595 x 595 mm
A. 9938	NR 000 119	1,000 x 1,000 mm

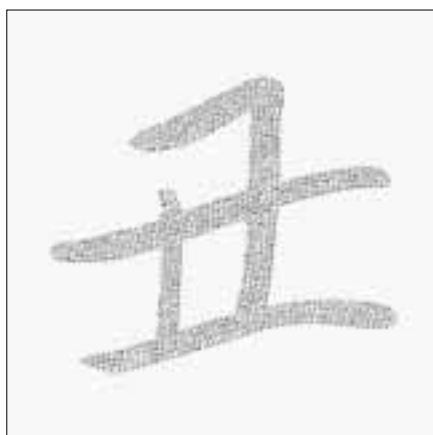
Frames and other retaining constructions must be taken care of by the customer.

## MOTIF "SIGNS OF THE ZODIAC - CHINESE"

Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 mm mirror  
 Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
 Size: 595 x 595 mm



Monkey		
A. 9938	NR 000 138	595 x 595 mm



Ox		
A. 9938	NR 000 139	595 x 595 mm



Dragon		
A. 9938	NR 000 140	595 x 595 mm



Rooster		
A. 9938	NR 000 141	595 x 595 mm



Rabbit		
A. 9938	NR 000 142	595 x 595 mm



Dog		
A. 9938	NR 000 143	595 x 595 mm

MOTIF “SIGNS OF THE ZODIAC - CHINESE”

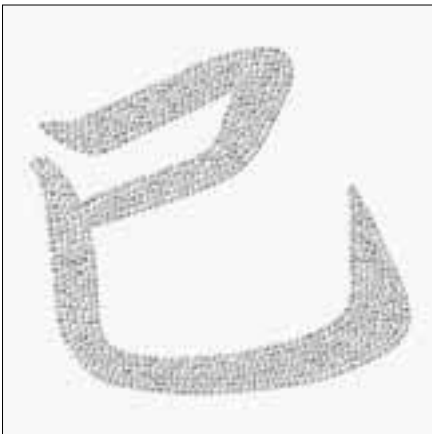
Construction: 6 mm Optiwhite, 12 mm spacer with pressure-balancing valve, 4 mm mirror  
Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
Size: 595 x 595 mm



Horse		
A. 9938	NR 000 132	595 x 595 mm



Rat		
A. 9938	NR 000 133	595 x 595 mm



Snake		
A. 9938	NR 000 134	595 x 595 mm



Pig		
A. 9938	NR 000 135	595 x 595 mm



Tiger		
A. 9938	NR 000 136	595 x 595 mm



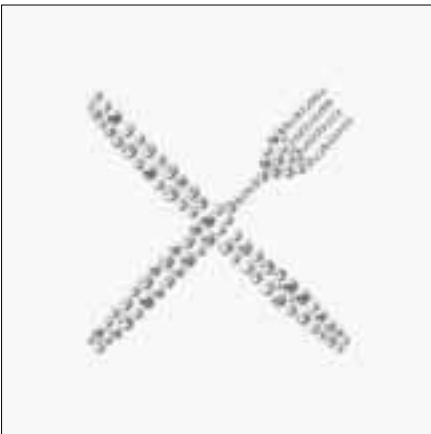
Goat		
A. 9938	NR 000 137	595 x 595 mm

Frames and other retaining constructions must be taken care of by the customer.

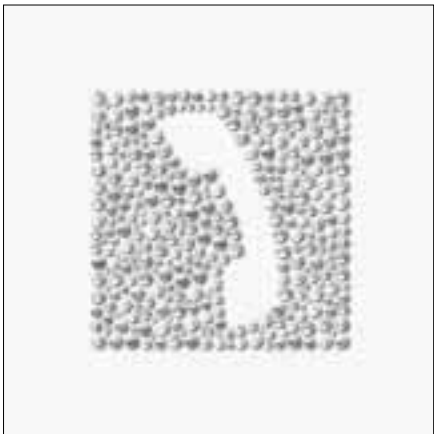


MOTIF "SIGNS/SYMBOLS"

Construction: 6 mm Optiwhite with 2 diagonal bore holes and 2 special steel holding devices.  
Size: 200 x 200 mm



Restaurant		
A. 9938	NR 000 016	200 x 200 mm



Telephone		
A. 9938	NR 000 017	200 x 200 mm



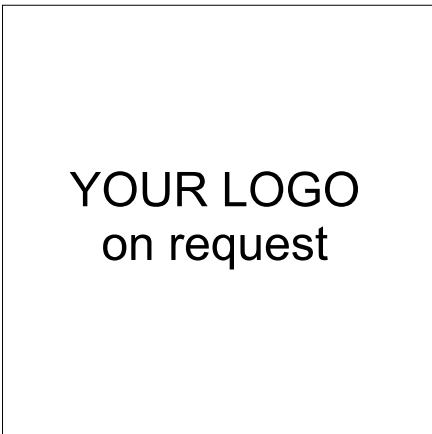
Ladies lavatory		
A. 9938	NR 000 018	200 x 200 mm



Gents lavatory		
A. 9938	NR 000 019	200 x 200 mm



Lavatory for disabled person		
A. 9938	NR 000 020	200 x 200 mm



Logo		
On request		200 x 200 mm

MOTIF “SIGNS/LETTERS”

Construction: 6 mm Optiwhite with 4 diagonal bore holes and 4 special steel holding devices.  
Size: 300 x 200 mm



Bar		
A. 9938	NR 000 144	300 x 200 mm



Rooms		
A. 9938	NR 000 145	300 x 200 mm



Suite		
A. 9938	NR 000 146	300 x 200 mm



Restaurant		
A. 9938	NR 000 147	300 x 200 mm



Reception		
A. 9938	NR 000 066	300 x 200 mm



Café		
A. 9938	NR 000 067	300 x 200 mm

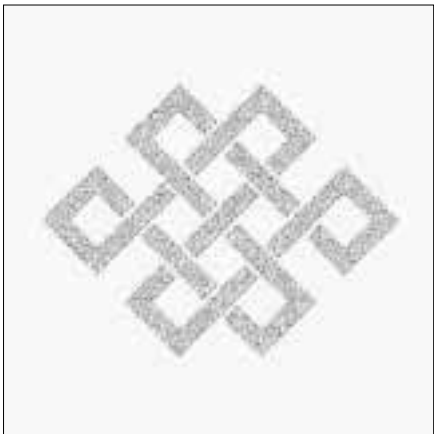


MOTIF “MYSTIC”

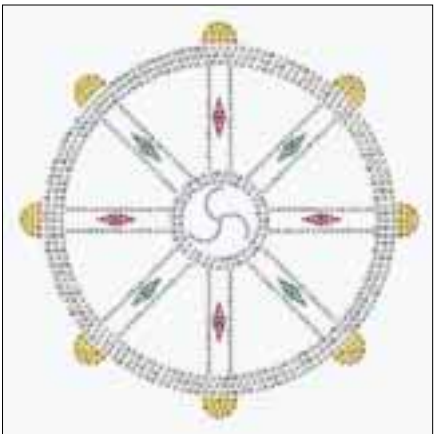
Construction: 6 mm Optiwhite glass, 12 mm spacer with pressure-balancing valve, 6 mm mirror  
Illumination: no illumination planned; illumination with a halogen ceiling spot possible  
Dimensions: 300 x 300 mm and 595 x 595 mm  
Weight: approx. 3.0 kg and approx. 11.0 kg  
Covered area: 20 mm all-round



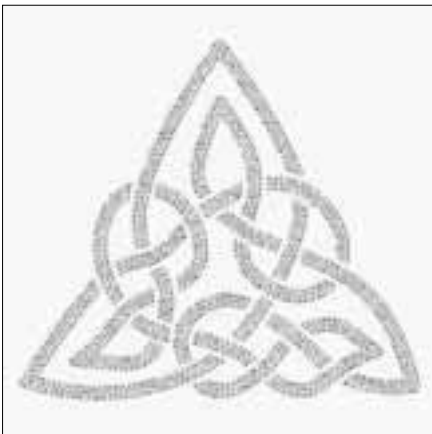
Mystic 1			
A. 9938	NR 000 148	300 x 300 mm	
A. 9938	NR 000 047	595 x 595 mm	



Mystic 2			
A. 9938	NR 000 149	300 x 300 mm	
A. 9938	NR 000 150	595 x 595 mm	



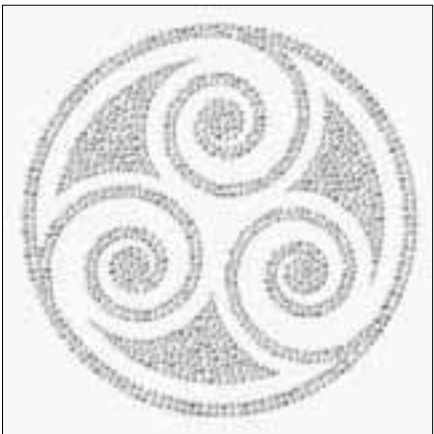
Mystic 3*			
A. 9938	NR 000 151	300 x 300 mm	
A. 9938	NR 000 048	595 x 595 mm	



Mystic 4			
A. 9938	NR 000 152	300 x 300 mm	
A. 9938	NR 000 153	595 x 595 mm	



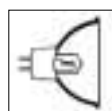
Mystic 5			
A. 9938	NR 000 154	300 x 300 mm	
A. 9938	NR 000 155	595 x 595 mm	



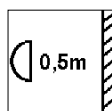
Mystic 6			
A. 9938	NR 000 156	300 x 300 mm	
A. 9938	NR 000 157	595 x 595 mm	

Frames and other retaining constructions must be taken care of by the customer.  
\* partial colour crystals as shown in illustration

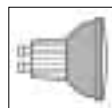
## EXPLANATION OF THE PICTOGRAMS



Low volt halogen reflector lamp with cold-light mirror coating



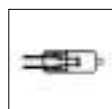
Minimum distance to the lit object: 0.5m



High volt halogen reflector lamp with cold-light mirror coating



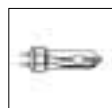
Installation only in dry rooms



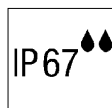
Low volt halogen lamp



Protection class I (connection of the PE conductor required)



Halogen metal-vapour lamp



Degree of protection: IP67

## IP PROTECTION CLASS AFTER THE FIRST NUMBER

First number	Short description	Brief list of details concerning foreign matter that cannot penetrate the enclosure
0	Without protection	No special protection
1	Protected against solid bodies greater than 50mm	Large body surface, for instance a hand (but without protection against intentional contact); solid bodies
2	Protected against solid bodies greater than 12mm	Fingers or similar up to a length of 80mm; solid bodies with a diameter greater than 12mm
3	Protected against solid bodies greater than 2.5mm	Tools, wires etc. with a diameter or thickness greater than 2.5mm; solid bodies with a diameter greater than 2.5mm
4	Protected against solid bodies greater than 1mm	Wires or strips thicker than 1mm; solid bodies with a diameter greater than 1mm
5	Dust-protected	Ingress of dust is not totally prevented, but it is limited to a quantity that does not impair the proper function of the device
6	Dust-protected	No ingress of dust

## IP PROTECTION CLASS AFTER THE SECOND NUMBER

Second number	Short description	Details about the protection provided by the enclosure
0	Without protection	No special protection
1	Protection against dripping water	No deterioration as a result of dripping water (vertically falling drops)
2	Protection against dripping water with less than 15° tilting angle	No deterioration as a result of vertically falling drops if the enclosure is tilted from its prescribed position of normal use, subject to a maximum tilting angle of 15°
3	Protected against spray-water	No deterioration as a result of spraying water subject to a maximum angle of 60° against the perpendicular
4	Protected against splashing water	No deterioration if water is sprayed with a nozzle from any direction against the enclosure
5	Protected against water jets	No deterioration if water is sprayed with a nozzle from any direction against the enclosure
6	Protected against heavy seas	Enclosure will not suffer an ingress of a harmful amount of water from heavy sea or water from a high pressure jet
7	Protection against the effects of immersion	An ingress of a harmful amount of water is prevented if the enclosure is immersed in water at given conditions with regard to pressure and duration
8	Protection against the effects of continuous submersion	Device is suitable for continuous submersion in water (conditions to be stated by the manufacturer). Note: Under normal circumstances, this means that the device is totally sealed. However, with regard to some devices, it may mean that water does enter, but does not cause any damage.

## EUROPE

### AUSTRIA

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info.ccb.de@swarovski.com

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A center, 4 LSC, Pockets 6 & 7, Sector C,  
Vasant Kunj, IN - NEW DELHI - 110 070,  
Tel.: ++91/11/26136000, Fax: ++91/11/26136065

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Roundabout No. 6, P.O.Box 17128,  
UAE - JEBEL ALI FREE ZONE - DUBAI,  
Tel.: ++971/4/881 6562, Fax: ++971/4/881 5623

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SWAROVSKI CRYSTAL COMPONENTS LTDA.,  
Alameda Itú, 852 - 13. andar,  
BR - 01421-001, JARDINS - SAO PAULO,  
Tel.: ++55/11/3088 8821, Fax: ++55/11/3088 5976

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SWAROVSKI NORTH AMERICA LTD.,  
Division Swarovski Lighting Parts Ltd.,  
29 West 57th Street - 9th floor, USA - NEWYORK, N.Y. 10019  
Tel.: ++1/212/935 6110, Fax: ++1/212/935 6112

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Shinagawa-Mitsubishi Bldg. 6F, 2 - 16 - 4 Konan,  
Minato-ku, J - TOKYO 108-0075  
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2 Alexandra Road, No 03 - 01 Delta House, SI - SINGAPORE 159919,  
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A-6112 WATTENS / AUSTRIA,  
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## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.





English

