





**Lunis R®**



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**Circ**



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**Lunis® EH**



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**Lunis® M**



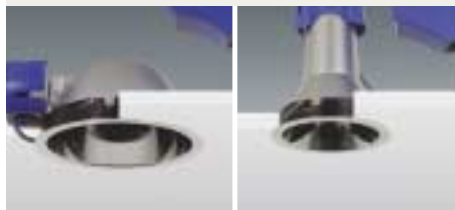
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**Lunis® E**



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**Lunis®**



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### Recessed Downlights

Downlights are compact luminaires equipped with spot sources or compact lamps, and are typically installed in ceilings. With their varying lighting characteristics, lamping, optics and designs they form an indispensable part of architectural lighting.

Within the brand name Lunis® is a wide spectrum of high-grade downlights whose sub-families vary in terms of lamping, optical principles, lighting characteristics and forms.

All models are characterised by the use of 'genuine' materials in their manufacture: steel, stainless steel, aluminium and glass are typical for Lunis® products. Plastics on the other hand are only used if (due to electro-technical reasons) metal is not suitable.

The combination of a simple, formal design and the use of such manufacturing materials gives the products a discreet but qualitative appeal, without being intrusive.

A luminaire is not only expected to provide dependable lighting characteristics but also efficiency, ease of maintenance, operational safety and a long life. Lunis® products fulfill these requirements and are installation-friendly as well.

For the deployment of downlights, the following points should be considered:

### Lighting Characteristics

Wide and narrow beam light characteristics form two important basic areas. Whereas wide beam distribution is used for the illumination of large surface areas, narrow beam distribution is deployed for accenting or for illuminating high spaces. Because of better beam spread possibilities and more intensive luminous flux, narrow beam luminaires are usually equipped with spot sources such as metal halide lamps (HIT) or tungsten halogen lamps.

As well as the illumination of surfaces, the spotlighting or flooding of walls is often of importance. Lunis®E is especially suited to this area with specific designs for wallwashing. One planning guideline is always applicable here: Luminaire spacing = distance to wall. For best results, this should not exceed 0.5 to 0.8m. A semi-specular reflector surface improves the uniformity on the wall.

In contrast to direct distribution optics, a secondary distribution system can eliminate lamp visibility altogether. The special feature of the Lunis® EH design is that although it is equipped with an exceedingly high luminous flux, it is completely glare-free.

The same is true of the round involute Circ with T16-R lamping. The optics of the Lunis®EH focal beam system guide the very high luminous flux of a metal halide lamp through a very small aperture into the room space to be illuminated, true to the often quoted phrase 'light without luminaire'.

### Appearance

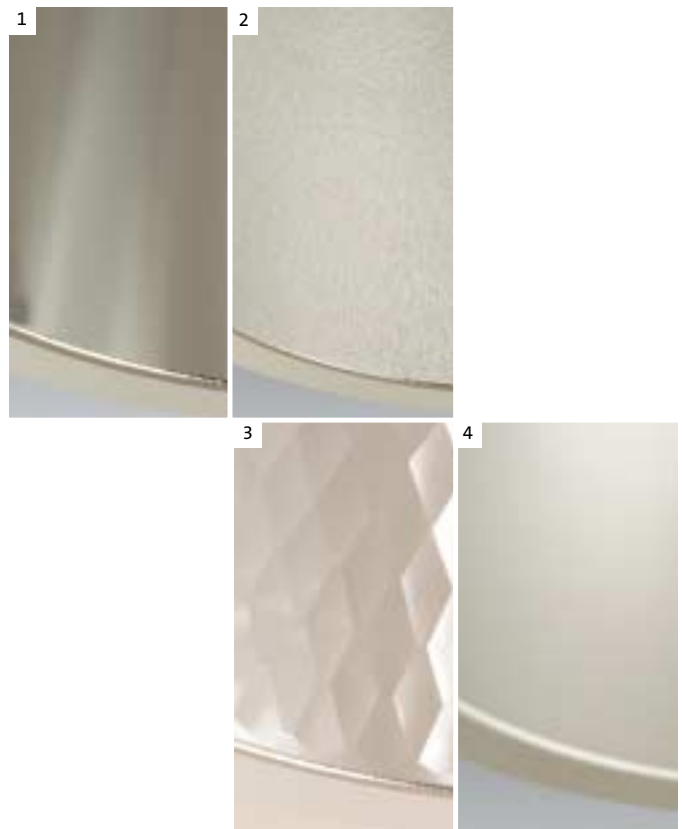
The appearance of a downlight in a ceiling is directly influenced by the transition from its specular reflector to the surroundings. Lunis® luminaires have a wide reflector flange that assimilates itself discreetly into the ceiling surface. If necessary, the transition can be further configured with an additional decorative bezel, available in different surface finishes (pure white, white aluminium or brushed coating) as an accessory.

In spaces with lowered ceilings, the same visual perception of the luminaire can be achieved with the use of different diameters (see the overview Size | Lamping). Luminaires with smaller diameters are installed in lower areas, whereas luminaires with larger diameters and a larger luminous flux are used for spaces with higher ceilings.

The surface of a reflector is decisive for the perception of the luminaire in the ceiling. Specular reflectors (1) with highly reflective surfaces appear dark. A faceted surface (2) supports this dark/light effect. On the other hand the light from semi-specular reflectors (3) has a certain brilliance. Due to the diffuse surface structure, the use of these reflectors in combination with very intensive spot sources (HIT) is recommended, as the lamp appearance in the reflector becomes fragmented.

Matt surfaces such as alusoft (4) give a unified, soft appearance. Some luminaires in the Lunis® and Lunis®E product families offer a selection of up to four reflector surfaces.

With ceiling systems that are visible from below or from the side, it is important that no light spill from the downlights radiates into the ceiling cavity. For this reason, downlights with no light spill or stray-light reduced downlights (Lunis® E, Lunis R®) should be installed.



## Design

The design, especially the diameter and the installed depth depend upon the lamp type and the required lighting characteristics. Spot sources such as low voltage tungsten halogen lamps (QT12) or miniature metal halide lamps (HIT-TC) make possible very small models (Lunis® M). Designs for compact fluorescent lamps (TC-DEL, TC-TEL) are usually used for all-purpose lighting or surface illumination.

A higher level of visual comfort with the same efficiency is achieved with glare-restricted reflector systems. An installed depth of between 130 and 190mm is required here. If this installed depth is not possible, then flatter reflector systems in combination with additional glare reduction elements (cross, turbo or ring louvres) are recommended. Narrow beam designs with a vertical lamp arrangement have a higher installed depth than wide beam luminaires with horizontally fitted lamps. In situations with restricted ceiling depth, T16-R circular fluorescent lamps should be used.

Lunis R® downlights excel with a functional diversity, an excellent visual comfort with high luminous flux and a high degree of efficiency with a minimal installed depth of only 70mm.

## Installation

As instruments for architectural lighting, downlights should potentially be able to be installed in all types of ceilings. Lunis® products are constructed for the installation in suspended ceilings with cut apertures. Specialised mounting accessories are available for installation in concrete, panel, sheet metal, mineral fibre board and other ceiling systems.

## Lamps and Atmosphere

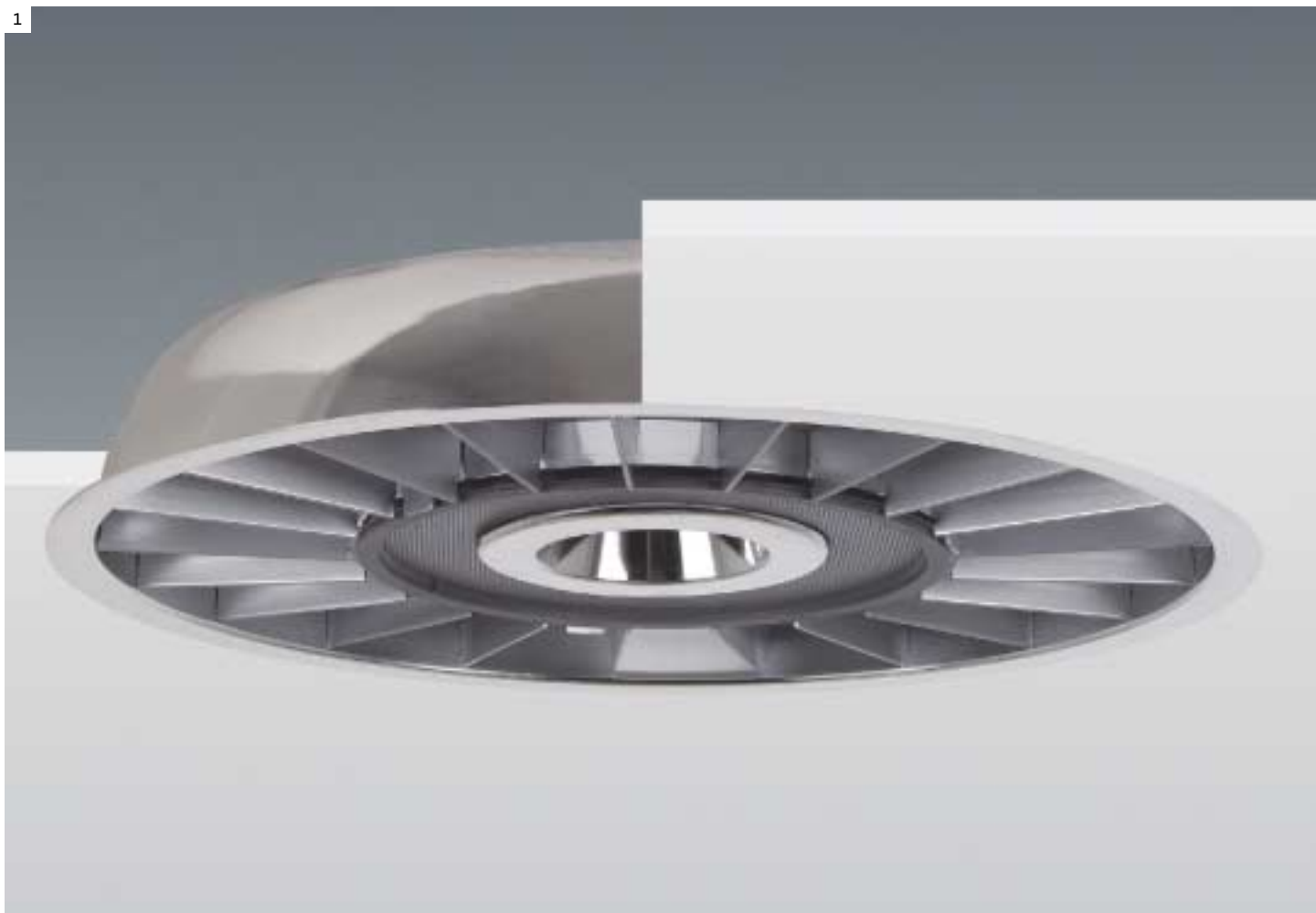
The use of various types of lamping in luminaires influences the subjective perception of spaces to a great extent. Lunis® products offer the whole spectrum of suitable lamps for the systematic design and planning with light. Included in this is the use of coloured light sources with LED.

## Optical and Decorative Accessories

In representative building spaces, there is often a wish to emphasise the effects of the luminaires with the use of decorative accessories. In order to influence the lighting characteristics or to improve the degree of protection, Lunis® downlights can be supplemented with accessories. The modular product concept allows a simple (and also retrospective) mounting of accessories, following the philosophy of genuine, solid manufacturing materials.

## Overview: Size | Lamps

ceiling aperture DA (mm)	product family   light characteristics   lamps
472	Circ   involute   circular fluorescent lamps T16-R 40W, 55W
380	Lunis R®   with diffuser, refractor and louvre optics   circular fluorescent lamps T16-R 40W, 55W + compact fluorescent lamps TC-TEL max. 42W + metal halide lamps HIT-TC-CE max. 70W + low voltage tungsten halogen lamps QT12 max. 75W + LED + micro-compact fluorescent lamp 7W (emergency lighting)
342	Lunis® EH   secondary lighting system   metal halide lamps HIT-CE max. 150W low voltage tungsten halogen lamps QT12 max. 100W
240	Lunis® EH   focal beam system (installation from below)   metal halide lamps HIT-DE max.150W
212	Lunis® E, Lunis®   downlights, wallwasher downlights   DualSource compact fluorescent lamps TC-TEL max. 2x32W metal halide lamps, HIT-CE max.150W high voltage tungsten halogen lamps QT32 max. 150W
162	Lunis® E, Lunis®   downlights   compact fluorescent lamps TC-TEL max. 2x26W metal halide lamps, HIT-CE max.150W high voltage tungsten halogen lamps QT32 max. 150W
142	Lunis® EH   focal beam system (installation from below)   low voltage tungsten halogen lamps QT12 max. 100W
125	Lunis® M   narrow beam downlights   metal halide lamps HIT-TC-CE max. 70W low voltage tungsten halogen lamps QT12 max. 75W
105	Lunis® EH   focal beam system (installation from above)   metal halide lamps HIT-DE max.150W
100	Lunis® M   wide beam downlights   metal halide lamps HIT-TC-CE max. 70W low-voltage tungsten halogen lamps QT12 max. 75W
85	Lunis® EH   focal beam system (installation from above)   low-voltage tungsten halogen lamp QT12 max. 100W



- 1. with downlight central module, wide beam for QT12 lamps and C louvre accessories, white aluminium
- 2. with decorative cover plate central module, perforated, white aluminium with glass diffuser as accessory
- 3. with decorative cover plate central module, perforated, white aluminium with collector as accessory
- 4. with decorative cover plate central module, perforated, white aluminium and C louvre as accessory, highly reflective for CAT. lighting
- 5. stray-light baffle | to avoid light spill in false ceiling | made of black PC



**Optical Enclosures**

Order No.	Type
<i>light control insert</i>	
5LR 946 8-5EE	glass diffuser
5LR 946 8-3DT	collector
5LR 946 8-1CE	C-louvre, specular
5LR 946 8-4CE	C-louvre, white (RAL 9010)
5LR 946 8-8CE	C-louvre, metallic grey (RAL 9006)
<i>stray-light baffle</i>	
5LR 946 8-5UM	stray-light baffle, black

\* the luminaires are optionally available in a dimmable version and also available with a pure white cover (RAL 9010) as standard (see appendix for order number code)  
 \*\* please order light control insert separately



## Lunis R<sup>®</sup> Circular Recessed Downlight | with Various Central Modules

### features

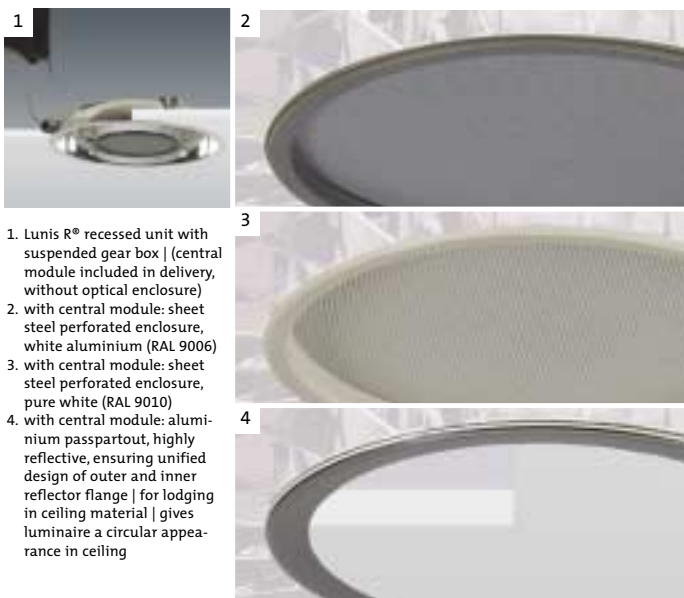
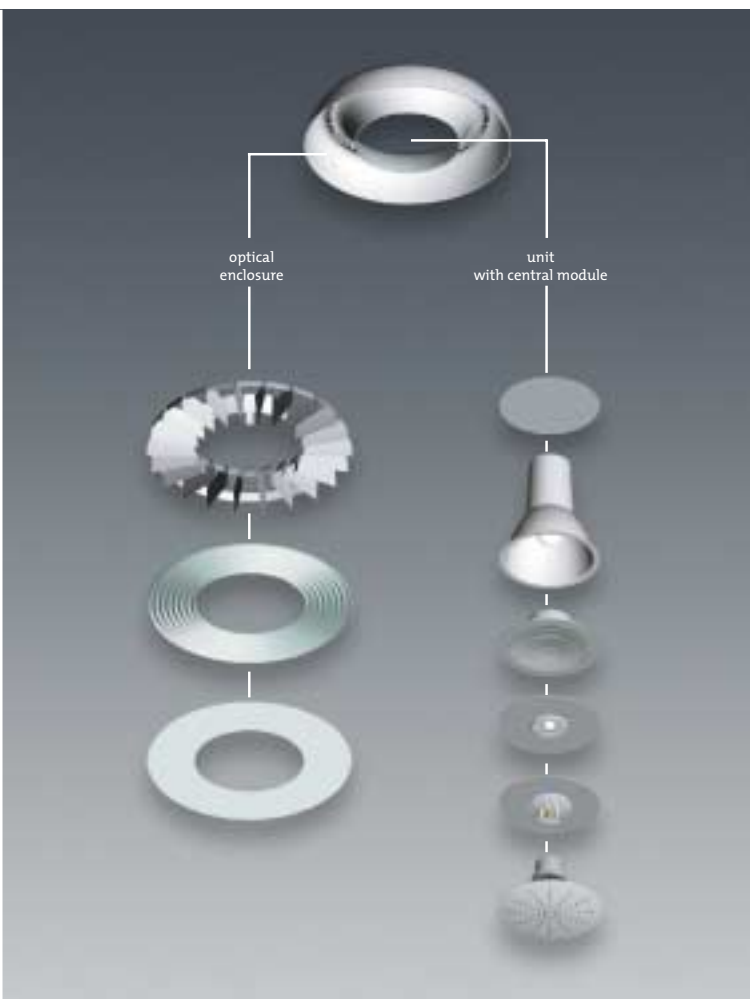
Lunis R<sup>®</sup> recessed unit consisting of reflector system for T-16 circular fluorescent lamp to accommodate light control insert\*\* and central module | no light spill to ceiling void due to optimised stray-light baffle\*\* | separate gearbox, with plug/socket connection, with HFG or HF dimming as standard\* | reflector and visible reflector fringe both specular aluminium | fast-lock quick mounting to 30mm ceiling thickness

protection rating: IP23

protection class: gearbox: I, downlight: II

### benefits

- modular lighting system allows for individual lighting solutions
- least possible influence of ceiling appearance with extremely minimal design
- elegant combinations of light with other assemblies due to functional central module
- flat design allows use in shallow ceilings and concrete ceilings
- diverse optical enclosures for illumination of different spacial situations
- sophisticated 3D-optimised geometry for perfect lighting results
- compact design with strong, non-directional light



1. Lunis R<sup>®</sup> recessed unit with suspended gear box | (central module included in delivery, without optical enclosure)
2. with central module: sheet steel perforated enclosure, white aluminium (RAL 9006)
3. with central module: sheet steel perforated enclosure, pure white (RAL 9010)
4. with central module: aluminium passpartout, highly reflective, ensuring unified design of outer and inner reflector flange | for lodging in ceiling material | gives luminaire a circular appearance in ceiling

## Lunis R<sup>®</sup> with Central Module: Cover Plate / Aluminium Passpartout

Order No.	Lamps (W)	ET (mm)
Lunis R <sup>®</sup> with central module: cover plate, perforated		
white aluminium		
5LR 610 7-1SA11AF	1xT16-R 40W	70
5LR 610 7-1TA11AF	1xT16-R 55W	70
pure white		
5LR 610 7-1SA11AE	1xT16-R 40W	70
5LR 610 7-1TA11AE	1xT16-R 55W	70
Lunis R <sup>®</sup> with central module: passpartout (without cover)		
5LR 610 7-1SA11AA	1xT16-R 40W	70
5LR 610 7-1TA11AA	1xT16-R 55W	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order light control insert separately
- ET = installed depth

### reference

- mounting accessories 5|10

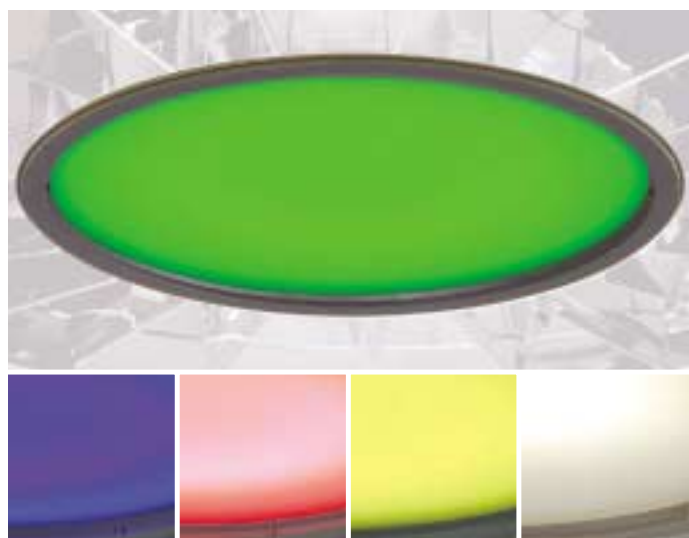
Recessed Downlights for Circular Fluorescent Lamps



DualSource

The combination of two different lamps inside of a formal unit offers an especially elegant solution for the variable design of lighting ambience. If the T 16-R circular fluorescent lamp and the lamp of the central module are dimmable, any type of lighting scene can be created with the aid of a lighting management system, offering a good solution for multi

functionally used spaces such as media and conference rooms. In large open inner spaces, coloured central LED modules allow interesting possibilities for orientation and guidance. In order to assure a formal unity, the emergency luminaire variation is equipped with a micro-compact fluorescent lamp.



Lunis R® with Central Module: LED

central module:  
LED module with opal diffuser cover, LED (according to design) white, blue, green, yellow or red (24V DC, 4W) | with electronic transformer (230V AC) as standard | white PMMA diffuser, fitted into dust-grey central ring\*\*\*

Order No.	Lamps (W)	ET (mm)
Lunis R® with central module: downlight LED		
5LR 610 7-1SA13WJ	1xT16-R 40W + LED weiß	70
5LR 610 7-1TA13WJ	1xT16-R 55W+ LED weiß	70
5LR 610 7-1SA13NJ	1xT16-R 40W+ LED blau	70
5LR 610 7-1TA13NJ	1xT16-R 55W+ LED blau	70
5LR 610 7-1SA13MJ	1xT16-R 40W+ LED grün	70
5LR 610 7-1TA13MJ	1xT16-R 55W+ LED grün	70
5LR 610 7-1SA13LJ	1xT16-R 40W+ LED gelb	70
5LR 610 7-1TA13LJ	1xT16-R 55W+ LED gelb	70
5LR 610 7-1SA13KJ	1xT16-R 40W+ LED rot	70
5LR 610 7-1TA13KJ	1xT16-R 55W+ LED rot	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order light control insert separately
- ET = installed depth



Lunis R® with Central Module: Downlight QT12 or HIT-TC-CE | narrow or wide beam distribution

central module:  
narrow beam reflector (matt gloss), or wide beam (specular), with integrated glass dome diffuser | separate ballast with electronic transformer as standard, dimmable\*\* (QT12) or electronic ballast (HIT-TC-CE) | visible aluminium reflector flange with perforated sheet steel bezel, white aluminium (RAL 9006), fitted into dust-grey bezel\*\*\*

Lunis R® with Central Module: Downlight TC-TEL | narrow or wide beam distribution

central module:  
downlight multipower TC-TEL, specular reflector, narrow or wide beam distribution | separate gearbox, with HFG or HF dimming as standard\* | visible specular aluminium reflector flange fitted into dust-grey central ring

Order No.	Lamps (W)	ET (mm)
Lunis R® with central module: downlight QT12		
narrow beam		
5LR 610 7-1TA17SF	1xT16-R 55W + 1x QT12 max.75W	153
wide beam		
5LR 610 7-1TA18SF	1xT16-R 55W + 1x QT12 max.75W	135
Lunis R® with central module: downlight HIT-TC-CE		
narrow beam		
5LR 610 7-1TA17LF	1xT16-R 55W + 1x HIT-TC-CE 70W	153
wide beam		
5LR 610 7-1TA18LF	1xT16-R 55W + 1x HIT-TC-CE 70W	135
Lunis R® with central module: downlight TC-TEL		
narrow beam		
5LR 610 7-1TA13VA	1xT16-R 55W + 1x TC-TEL 26W/32W/42W	250
wide beam		
5LR 610 7-1TA14VA	1xT16-R 55W + 1x TC-TEL 26W/32W/42W	150
Lunis R® with central module: emergency luminaire		
5LR 610 7-1SA14EF	1xT16-R 40W	70
5LR 610 7-1TA14EF	1xT16-R 55W	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order light control insert separately
- ET = installed depth

Lunis R® With Central Module: Emergency Light

central module:  
emergency lighting element with micro-compact fluorescent lamp 7W (Sylvania Microlynx 220lm, with integrated HFG, lampholder GX53) | grey central ring | white opal diffuser cover | for non-maintained operation

\* the circular downlight and downlight central module are both optionally available in a dimmable version (see appendix for order number code)  
\*\* luminaires with electronic transformer, dimmable with phase segment dimmer for inductive resistance  
\*\*\* the luminaires are available with ring baffle or perforated cover in pure white (RAL 9010) with white central baffle as standard



## Functional Modules

Lunis R® allows the formal integration of architecturally functional modules and makes possible a tidy ceiling appearance. As well as PA arrangements, Lunis R® can be combined with air-handling elements, detectors and sprinklers. (for further information see 'Lunis R®, Central Modules' at [www.siteco.net](http://www.siteco.net)).



### Lunis R® with Central Module: Loudspeaker

central module:  
broadband loudspeaker 80hm, optionally available with transducer for 100V systems | perforated sheet steel cover, white aluminium (RAL 9006)\*\*\*, with absorption felt

Order No.	Lamps (W)	ET (mm)
Lunis R® with central module: loudspeaker 8Ω/15W		
5LR 610 7-1SA15CE	1xT16-R 40W	70
5LR 610 7-1TA15CE	1xT16-R 55W	70
Lunis R® with central module: loudspeaker with transducer 100V/max. 6W		
5LR 610 7-1SA15DE	1xT16-R 40W	70
5LR 610 7-1TA15DE	1xT16-R 55W	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order optical enclosures separately
- ET = installed depth

### Lunis R® with Central Module: Information Panel

central module:  
mount with white opal cover for attachment of info panel, fitted into grey central ring\*\*\* | info panel with different symbols as accessory (please order separately)

Order No.	Lamps (W)	ET (mm)
Lunis R® with central module: information panel		
5LR 610 7-1SA1-2DE	1xT16-R 40W	70
5LR 610 7-1TA1-2DE	1xT16-R 55W	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order light control insert separately
- ET = installed depth

### Lunis R® with Central Module: Emergency Escape Luminaire

central module:  
module with TC-SEL 9W lamp and white opal cover, fitted into grey central ring\*\*\* | emergency lighting with one hour emergency conversion | for mounting of escape symbol panels with different symbols as accessories (please order separately)

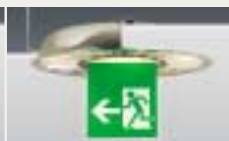
Order No.	Lamps (W)	ET (mm)
Lunis R® with central module: emergency escape luminaire		
5LR 610 7-1SA1-4CE	1xT16-R 40W + TC-SEL 9W	70
5LR 610 7-1TA1-4CE	1xT16-R 55W + TC-SEL 9W	70

- measurements: diameter D = 398mm, ceiling aperture DA = 380mm
- please order optical enclosures separately
- ET = installed depth

#### accessories: info panel



info panel signage  
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info panel escape symbol  
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#### further variations



air-handling luminaires with swirl diffuser | eCatalogue



air-handling luminaires with poppet valve | e-Catalogue



air-handling luminaires for negative plenum ceilings | e-Catalogue



with retention plate for detector | e-Catalogue

#### reference

- mounting accessories 5 | 10



### Circ Recessed Downlight with Secondary Lighting

**features** Circ recessed downlight for T16-R circular fluorescent lamps with secondary involute lighting | central area: aluminium perforated dome with diffuser foil | separate gearbox, with HFG or HF dimming as standard\*

protection rating: IP23  
protection class: gearbox: I  
downlight: II

- benefits**
- absolutely glare-free with secondary lighting technology
  - attractive appearance with discreet back-lighting of central area
  - can be combined with functional central modules on request (air-handling, loudspeaker, downlight)

Order No.	Lamps (W)	ET (mm)
5LR 650 7-1SA1-1AG	1xT16-R 40W	120
5LR 650 7-1TA1-1AG	1xT16-R 55W	120

measurements: diameter D = 488mm, ceiling aperture DA = 472mm  
 ET = installed depth

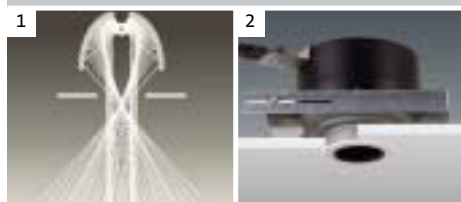
### Installation Accessories

product family	Lunis R®	Circ	Lunis® EH focal beam system	Lunis® EH secondary distribution system
<b>installation accessories</b>				
concrete casting box	5LR 916 8-0BD <sup>1)</sup>	-	-	-
plastered aperture ceiling ring	5LR 916 8-0BC	-	-	-
mounting bracket	5LR 916 8-0BJ	-	-	5LR 916 9-0BJ
panel ceiling plate	5LR 916 8-4BG	-	-	-
mounting on unfinished ceiling	-	5LJ 510 8-7KU83	-	-
mounting on false ceiling	-	5LJ 510 8-7KU84	-	-
<b>electrical accessories</b>				
electronic ballast for HIT or HIT-DE lamp 35W	-	-	-	5NG 160 7-6L
electronic ballast for HIT or HIT-DE lamp 70W	-	-	5NG 160 7-7L	5NG 160 7-7L
electronic ballast for HIT or HIT-DE lamp 150W	-	-	5NG 160 7-8L	5NG 160 7-8L
electronic transformer 35W - 105W*	-	-	5NZ 508 4 (max. 100W)	5NZ 508 4 (max. 100W)

1) only for downlights with installed depth of 70mm (concrete casting box: installed depth=75mm)

\* The luminaires are optionally available in a dimmable version (see appendix for order number code)  
\*\* luminaires with electronic transformer, dimmable with phase segment dimmer for inductive resistance

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1. focal beam system: ellipsoid reflector with second focal point in the aperture
2. design for installation from above ceiling with unobtrusive glare-reducing ring

## Lunis® EH Focal Beam System | with Extremely Small Light Aperture

**features**

- recessed downlight for HIT-DE or QT12 lamps | with recessed refractor lens | wide beam; no light spill into ceiling cavity | separate gearbox<sup>2)</sup> | sheet steel galvanised housing | sheet steel pure white (RAL 9010) decorative bezel
- protection rating: IP44 (with closed ceiling)
- protection class: II

**benefits**

- glare-free floodlighting with daylight-similar light from metal halide lamps with extremely small aperture
- suitable for situations with higher ingress protection requirements
- available for installation from above or below

Order No.	Lamps (W)	D (mm)	DA	ET
<b>focal beam system (installation from below)</b>				
<b>for metal halide lamp (HIT-DE)</b>				
5NG 156 0-2QM1 <sup>2)</sup>	1xHIT-DE 70W	275	240	176
5NG 156 0-3QM1 <sup>2)</sup>	1xHIT-DE 150W	275	240	176
<b>for low voltage halogen tungsten lamp (QT12)</b>				
5NG 156 0-5KM1 <sup>2)</sup>	1xQT12 max.100W	160	142	161
<b>focal beam system (installation from above)</b>				
<b>for metal halide lamp (HIT-DE)</b>				
5NG 155 0-2QM1 <sup>2)</sup>	1xHIT-DE 70W	118	105	153
5NG 155 0-3QM1 <sup>2)</sup>	1xHIT-DE 150W	118	105	153
<b>for low voltage halogen tungsten lamp (QT12)</b>				
5NG 155 0-5KM1 <sup>2)</sup>	1xQT12 max.100W	98	85	138

- 2) please order gearbox and transformer separately  
 measurements: diameter D | ceiling aperture DA | installed depth ET



secondary lighting principle: the light of a spot source is reflected from a primary to a secondary reflector and from there into the room | the lamp cannot be seen

## Lunis® EH Secondary Beam System

**features**

- recessed downlight for HIT or QT12 lamps | with secondary beam system | satin finish | narrow beam | lamp enclosure of borosilicate glass | no light spill to ceiling cavity | separate gearbox<sup>2)</sup> | sheet steel galvanised luminaire unit | sheet steel decorative bezel, pure white (RAL 9010)

protection rating: IP44 (with closed ceiling)  
 protection class: II

**benefits**

- soft light effect, absolutely glare-free
- suitable for the illumination of VDU workplaces

Order No.	Lamps (W)	D (mm)	DA	ET
<b>secondary beam system</b>				
<b>metal halide lamp (HIT)</b>				
5NG 153 0-8LM1 <sup>2)</sup>	1xHIT 35W/70W/150W	361	343	170
<b>low voltage tungsten halogen lamp (QT12)</b>				
5NG 153 0-5KM1 <sup>2)</sup>	1xQT12 max.100W	361	343	170

- 2) please order gearbox and transformer separately  
 measurements: diameter D | ceiling aperture DA | installed depth ET

### reference

▣ mounting accessories 5 | 10



1. wide beam distribution | typical Lunis® characteristic: wide reflector flange as a transition to ceiling | highly reflective
2. variation as wallwasher downlight with protruding reflector segment | glass dome diffuser for harmonious lighting effect and as a protection for lamp
3. decorative variation with high-grade ground SWAROVSKI® lead crystal ring, giving corona effect on ceiling
4. interaction of the materials glass and aluminium with light creates a pleasant ambience
5. arrangement with electronic ballast for HIT 70W lamps (to be ordered separately) | electric plug connection



**Product Series**  
**Light Characteristics**

for metal halide lamps (HIT-TC-CE)



1xHIT-TC-CE 35/70W

for low voltage halogen tungsten lamps (QT12)



1xQT12 max. 75W

**measurements**

diameter	D(mm)
ceiling aperture	DA(mm)
installed depth	ET(mm)
ceiling thickness   maximum net ceiling thickness (mm)	

**reflector surfaces**

- specular
- semi-specular

**installation accessories**

- concrete casting box (ET= 130mm)
- plastered aperture ceiling ring
- panel mounting plate
- backing plate

**electrical accessories**

- electronic ballast for HIT bzw. HIT-DE Lampen 35W
- electronic ballast for HIT or HIT-DE lamps 70W
- low-loss ballast for HIT or HIT-DE lamps 35W <sup>1)</sup>
- low-loss ballast for HIT or HIT-DE lamps 70W <sup>2)</sup>
- electronic transformer 35W-105W\*\*

1) 1) with HIT-CE lamp: use only OSRAM, HCI-TC type  
2) Order number includes the recommended reflector surface  
3) Wallwasher IP20

\*\*dimmable with forward or inverse phase control



## Lunis® M Miniature Recessed Downlights

### features

Lunis® M miniature recessed downlight | for HIT-TC-CE or QT12 lamps | specular or matt gloss reflector | with narrow beam, wide beam or wall-washer distribution | with integrated glass dome diffuser | optionally with suspended glass ring or crystal ring | separate gearbox<sup>2)</sup> | galvanised sheet steel housing, grey PC mounting ring, visible aluminium specular reflector flange

protection rating: IP44 (with closed ceiling)  
protection class: I (HIT), III (QT12)

### benefits

- light from minimal dimension metal halide and tungsten halogen lamps
- qualitative appearance
- perfect lighting effect with integrated glass dome diffuser

Lunis® M narrow beam	Lunis® M wide beam				Lunis® M wallwashing
5LR117 0-11F41 <sup>2)</sup>	5LR118 0-11F31 <sup>2)</sup>	5LR128 0-11F36 with crystal ring	5LR128 0-11F37 with suspended glass ring	5LR128 0-11F38 with cobalt glass ring, blue	5LR128 0-11F39
5LR117 0-1FD41 <sup>2)</sup>	5LR118 0-1FD31 <sup>2)</sup>	5LR128 0-1FD36 with crystal ring	5LR128 0-1FD37 with suspended glass ring	5LR128 0-1FD38 with cobalt glass ring, blue	5LR128 0-1FD39
137 125 148 (HIT)   122 (QT12) 40   40	112 100 121 (HIT)   107 (QT12) 40   40	112 100 121 (HIT)   107 (QT12) 40   40	112 100 121 (HIT)   107 (QT12) 40   40	112 100 121 (HIT)   107 (QT12) 40   40	112 100 85 (HIT)   69 (QT12) 30   30
5LR 117 ... 5LR 127 ...	5LR 118 ... 5LR 128 ...	- 5LR 128 ...	- 5LR 128 ...	- 5LR 128 ...	- 5LR 128 ...
5LR 912 4-0BE 5LR 912 4-0BC 5LR 912 4-4BG 5LR 912 4-0BA	5LR 912 2-0BE 5LR 912 2-0BC 5LR 912 2-4BG 5LR 912 2-0BA	5LR 912 2-0BE 5LR 912 2-0BC 5LR 912 2-4BG 5LR 912 2-0BA	5LR 912 2-0BE 5LR 912 2-0BC 5LR 912 2-4BG 5LR 912 2-0BA	5LR 912 2-0BE 5LR 912 2-0BC 5LR 912 2-4BG 5LR 912 2-0BA	5LR 912 2-0BE 5LR 912 2-0BC 5LR 912 2-4BG 5LR 912 2-0BA
5NG 160 7-6L 5NG 160 7-7L 5NG 160 1-6L 5NG 160 1-7L 5NZ 5084 (max. 75W)	5NG 160 7-6L 5NG 160 7-7L 5NG 160 1-6L 5NG 160 1-7L 5NZ 5084 (max. 75W)	5NG 160 7-6L 5NG 160 7-7L 5NG 160 1-6L 5NG 160 1-7L 5NZ 5084 (max. 75W)	5NG 160 7-6L 5NG 160 7-7L 5NG 160 1-6L 5NG 160 1-7L 5NZ 5084 (max. 75W)	5NG 160 7-6L 5NG 160 7-7L 5NG 160 1-6L 5NG 160 1-7L 5NZ 5084 (max. 75W)	5NG 160 7-6L 5NG 160 7-7L 5NG 160 7-8L 5NG 160 1-6L 5NZ 5084 (max. 75W)

### reference

■ mounting accessories 5 | 23



1. DualSource version | very wide distribution design with compact fluorescent lamp and turbo louvre | low voltage tungsten halogen lamp with aluminium reflector QR-C 50W arranged in louvre cone (included in delivery) | due to separate lamping control, various lighting scenes can be created
2. coaxial cover comes as optical and decorative accessory | diffuse light with outer frosted glass ring | inner reflector cone directs light | see optical and decorative accessories

\* The luminaires are optionally available in a dimmable version (see appendix for order number code)

## Recessed Downlights for Compact Fluorescent Lamps and Point Light Sources

5|15



### Lunis® E Recessed Downlights | Narrow, Wide or Very Wide Distribution With Wallwasher Characteristic and DualSource

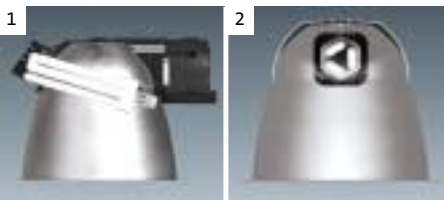
#### features

Lunis®E recessed downlights | reflectors with VirtualSource® lighting technology | specular, semi-specular, specular faceted or alusoft reflector surfaces | diverse lighting characteristics | reduced light spill to ceiling cavity | for HIT-CE, TC-TEL lamps, with HFG or HF dimming as standard\* or halogen high voltage QT32 lamps | black or diecast aluminium PC reflector capsule | sheet steel mounting ring, visible aluminium specular reflector flange

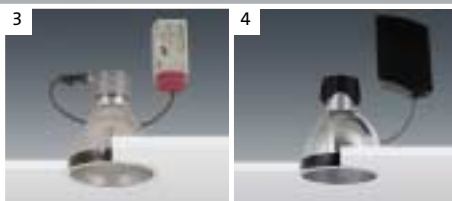
protection rating: IP23  
protection class: I

#### benefits

- no light spill or light spill reduced with capsuled reflector systems
- suitable for open ceiling systems
- VirtualSource® reflector technology for optimal visual comfort and high efficiency
- modular design with extensive decorative accessories
- manufactured from solid luminaire materials: steel, stainless steel, glass and aluminium

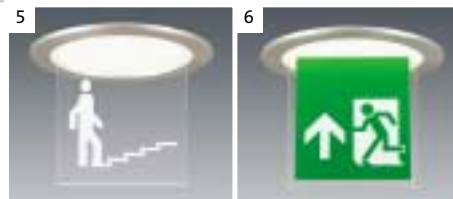


1. comfortable relamping with cat flap
2. VirtualSource reflector system for optimal unity and high efficiency



3. design with narrow beam distribution | for metal halide lamps | safety glass set back into reflector | arrangement with HFG unit for HIT lamp, to be ordered separately
4. design with wallwasher characteristics | wide beam | with gearbox for compact fluorescent lamps












5. mount and info panel transforms the downlight into a signage luminaire | see optical and decorative accessories
6. mount and panel as emergency escape symbol | combined with an emergency lamp module, the downlight becomes an emergency luminaire | see optical and decorative accessories



#### reference

- |                                      |        |
|--------------------------------------|--------|
| ■ mounting accessories               | 5   16 |
| ■ optical and decorative accessories | 5   20 |
| ■ emergency light equipment          | ch. 9  |

## Recessed Downlights for Compact Fluorescent Lamps and Point Light Sources

Product Family Light Characteristics	Lumis® E narrow beam		Lumis® E wallwasher narrow beam	
				
<b>for compact fluorescent lamps (TC-TEL, TC-DEL)<sup>1)</sup></b>				
 1xTC-TEL 18W 1xTC-TEL 26W/32W/42W 1xTC-TEL 57W 2xTC-TEL 18W 2xTC-TEL 26W/32W/42W <sup>3)</sup>	5LR 411 7-1KA61 <sup>2)</sup> 5LR 411 7-1VA61 <sup>2)</sup> 5LR 411 7-1PA61 <sup>2)</sup> - -		5LR 425 7-1KA61 <sup>2)</sup> 5LR 425 7-1VA61 <sup>2)</sup> 5LR 425 7-1PA61 <sup>2)</sup> - -	
<b>DualSource with additional tungsten halogen lamp (QR-C)</b>				
 2xTC-TEL 18W + 1xQR-C 50W 2xTC-TEL 26W/32W + 1xQR-C 50W				
	light-spill reduced	light-spill reduced	light-spill reduced   distance wall – luminaire = distance luminaire – luminaire c. 0.5m	
				
<b>for metal halide lamps (HIT-CE)</b>				
 1xHIT-CE 35W/70W 1xHIT-CE 35W/70W/150W	- 5LR 421 0-1JA61 <sup>2)</sup>	- 5LR 421 0-1JA51 <sup>2)</sup>	- 5LR 425 0-1JA61 <sup>2)</sup>	
<b>for high voltage halogen tungsten lamps (QT 32)</b>				
 1xQT 32 max. 75W 1xQT 32 max. 150W	- 5LR 421 0-1AA61 <sup>2)</sup>	- 5LR 421 0-1AA51 <sup>2)</sup>	- 5LR 425 0-1AA61 <sup>2)</sup>	
<b>dimensions</b>				
diameter	D(mm)	180	230	
ceiling aperture	DA(mm)	162	212	
installed depth	ET(mm)	240	300	
ceiling thickness   maximum net ceiling thickness (mm)		25   75 <sup>5)</sup>	25   75 <sup>5)</sup>	
<b>reflector surfaces</b>				
specular	5LR 411 ...	5LR 411 ...	5LR 415 ...	
semi-specular	5LR 421 ...	5LR 421 ...	5LR 425 ...	
specular faceted	-	-	-	
alusoft	-	-	-	
<b>mounting accessories</b>				
concrete casting box	ET(mm)	-	-	-
plastered aperture ceiling ring	5LR 911 6-0BC	5LR 911 5-0BC	5LR 911 6-0BC	
panel ceiling plate	5LR 911 6-4BG	5LR 911 5-4BG	5LR 911 6-4BG	
mounting bracket	5LR 911 6-0BJ	5LR 911 5-0BJ	5LR 911 6-0BJ	
backing plate	5LR 911 6-0BA	5LR 911 5-0BA	5LR 911 6-0BA	
cut aperture ceiling ring	5LR 911 6-0BF	5LR 911 5-0BF	5LR 911 6-0BF	
mounting bracket extension	5LR 911 0-0BR <sup>3)</sup>	5LR 911 0-0BR <sup>3)</sup>	5LR 911 0-0BR <sup>3)</sup>	
<b>electrical accessories</b>				
electronic ballast for HIT or HIT-DE lamps, 35W	5NG 160 7-6L	5NG 160 7-6L	5NG 160 7-6L	
electronic ballast for HIT or HIT-DE lamps, 70W	5NG 160 7-7L	5NG 160 7-7L	5NG 160 7-7L	
electronic ballast for HIT or HIT-DE lamps, 150W	5NG 160 7-8L	5NG 160 7-8L	5NG 160 7-8L	
low-loss ballast for HIT or HIT-DE lamps, 35W	5NG 160 1-6L	5NG 160 1-6L	5NG 160 1-6L	
low-loss ballast for HIT or HIT-DE lamps, 70W	5NG 160 1-7L	5NG 160 1-7L	5NG 160 1-7L	
low-loss ballast for HIT or HIT-DE lamps, 150W	5NG 160 1-8L	5NG 160 1-8L	5NG 160 1-8L	

1) in combination with a set of extension brackets | when fitting in concrete ceilings with concrete casting boxes, please evaluate the net ceiling thickness including a possible reforming of the plaster






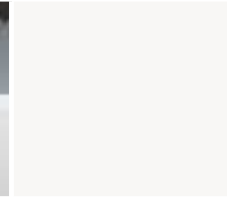

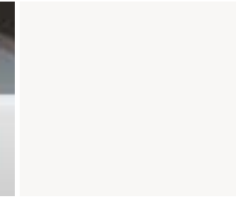

2) order number contains the recommended reflector surface

3) with 2x42W TC-TEL lamps or in combination with the accessories cover glass, prismatic ring cover or info mount, please clarify technical details beforehand!




4) the use of amalgam lamps is recommended

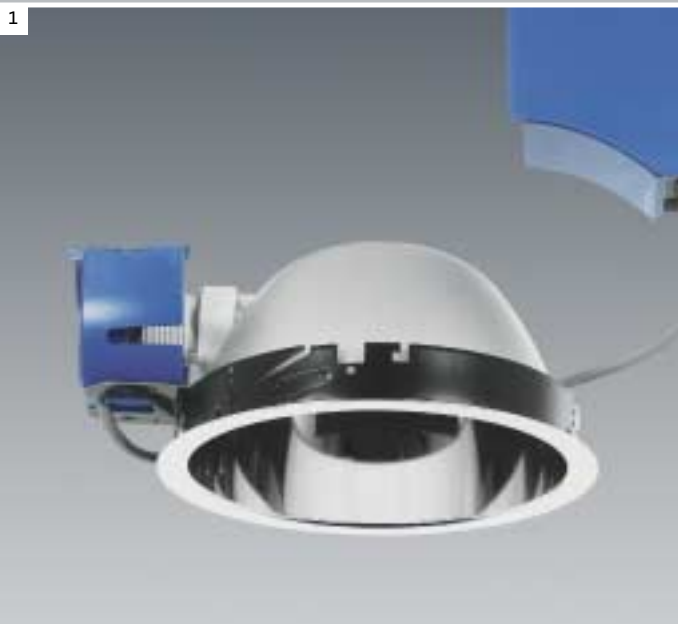
5) with net ceiling thickness 51-73mm

## Recessed Downlights for Compact Fluorescent Lamps and Point Light Sources

Lumis® E very wide beam		Lumis® E wide beam		Lumis® E wallwasher wide beam	
					
turbo louvre, QR-C 50W /38° lamp and electronic transformer included	5LR 418 7-1KA61 5LR 418 7-1VA61 - 5LR 418 7-2KA61 5LR 418 7-2VA61	5LR 414 7-1KA61 5LR 414 7-1VA61 - 5LR 414 7-2KA61 5LR 414 7-2VA61	50°	5LR 426 7-1KA61 <sup>2)</sup> 5LR 426 7-1VA61 <sup>2)</sup> - 5LR 426 7-2KA61 <sup>2)</sup> 5LR 426 7-2VA61 <sup>2)</sup>	
5LR 418 7-2KA6100N 5LR 418 7-2VA6100N					
no light spill	no light spill   combination with optical and decorative accessories recommended	no light spill		reduced light spill   distance wall – luminaire = distance luminaire – luminaire c. 0.5m	
					
		5LR 424 0-1HA61 <sup>2)</sup> -	- 5LR 424 0-1JA51 <sup>2)</sup>	5LR 426 0-1HA61 <sup>2)</sup> -	
		5LR 424 0-1AA61 <sup>2)</sup> -	- 5LR 424 0-1AA51 <sup>2)</sup>	5LR 426 0-1AA61 <sup>2)</sup> -	
230 212 135 25   40 <sup>3)</sup>	230 212 135 25   40 <sup>3)</sup>	230 212 190 25   60 <sup>3)</sup>	180 162 160 25   50 <sup>3)</sup>	230 212 190 25   60 <sup>3)</sup>	
5LR 418 ... - - -	5LR 418 ... - - -	5LR 414 ... 5LR 424 ... 5LR 434 ... 5LR 444 ...	5LR 414 ... 5LR 424 ... - -	5LR 416 ... 5LR 426 ... - -	
5LR 911 6-0BE (ET= 185mm) 5LR 911 6-0BC 5LR 911 6-4BG 5LR 911 6-0BJ 5LR 911 6-0BA 5LR 911 6-0BF 5LR 911 0-0BQ	5LR 911 6-0BE (ET= 185mm) 5LR 911 6-0BC 5LR 911 6-4BG 5LR 911 6-0BJ 5LR 911 6-0BA 5LR 911 6-0BF 5LR 911 0-0BQ	5LR 911 6-0BL (ET= 205mm) 5LR 911 6-0BC 5LR 911 6-4BG 5LR 911 6-0BJ 5LR 911 6-0BA 5LR 911 6-0BF 5LR 911 0-0BR <sup>3)</sup>	on request 5LR 911 5-0BC 5LR 911 5-4BG 5LR 911 5-0BJ 5LR 911 5-0BA 5LR 911 5-0BF 5LR 911 0-0BQ	5LR 911 6-0BL (ET= 205mm) 5LR 911 6-0BC 5LR 911 6-4BG 5LR 911 6-0BJ 5LR 911 6-0BA 5LR 911 6-0BF 5LR 911 0-0BR <sup>3)</sup>	
		5NG 160 7-6L 5NG 160 7-7L - 5NG 160 1-6L 5NG 160 1-7L -	5NG 160 7-6L 5NG 160 7-7L - 5NG 160 1-6L 5NG 160 1-7L -	5NG 160 7-6L 5NG 160 7-7L - 5NG 160 1-6L 5NG 160 1-7L -	

### reference

 mounting accessories	5   23
 optical and decorative accessories	5   20
 emergency light equipment	ch. 9



1. with gearbox separated, support for the ceiling unit can be considerably reduced
2. the three components of the Lunis® product concept
3. the separated gearbox can be installed in a variety of places around the reflector
4. because the gearbox is separate, the reflector system is barely weighted down, and the possibility of gaps is eliminated
5. mounting platform and information panel transform the downlight to a signage luminaire



## Recessed Downlights for Compact Fluorescent Lamps

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## Lunis® Recessed Downlights | Narrow, Wide or Very Wide Distribution

### features

Lunis® recessed downlights | specular, semi-specular, specular faceted or alusoft reflector surfaces | diverse lighting characteristics | for TC-TEL, TC-DEL lamping, with HFG or HF dimming as standard\* | black sheet steel mounting ring | visible aluminium specular reflector flange

protection rating: IP23  
protection class: I

### benefits

- modular design for combining with comprehensive optical and decorative accessories
- manufactured from solid luminaire materials: steel, stainless steel, glass and aluminium
- excellent price-performance ratio



Product Family Light Characteristics		Lunis® narrow beam	Lunis®, very wide beam	Lunis® wide beam 60°	Lunis® wide beam 60°
for compact fluorescent lamps (TC-TEL, TC-DEL)					
	1xTC-TEL (DEL) 13W 1xTC-TEL (DEL) 18W 1xTC-TEL (DEL) 26W/32W/42W	5LR 111 7-1FA51 5LR 111 7-1GA51 5LR 111 7-1MA51	5LR 114 7-1FA61 <sup>2)</sup> 5LR 114 7-1GA61 <sup>2)</sup> 5LR 114 7-1VA61 <sup>2)</sup> 5LR 114 7-2GA61 <sup>2)</sup> 5LR 114 7-2VA61 <sup>2)</sup>	5LR 112 7-1FA61 5LR 112 7-1GA61 5LR 112 7-1VA61 5LR 112 7-2GA61 5LR 112 7-2VA61	5LR 112 7-1FA51 5LR 112 7-1GA51 5LR 112 7-1LA51 5LR 112 7-2GA51 <sup>5)</sup> 5LR 112 7-2LA51 <sup>5)</sup>
	2xTC-TEL (DEL) 18W 2xTC-TEL (DEL) 26W/32W/42W	- -	- -	- -	- -
<b>dimensions</b>					
diameter	D(mm)	180	230	230	180
ceiling aperture (mm)	DA(mm)	162	212	212	162
installed depth (mm)	ET(mm)	240	115	170	130
ceiling thickness   maximum net ceiling thickness (mm)		25   75 <sup>1)</sup>	25   25 <sup>1)</sup>	25   60 <sup>1)</sup>	25   40 <sup>1)</sup>
<b>reflector surfaces</b>					
specular		5LR 111 ...	5LR 114 ...	5LR 112 ...	5LR 112 ...
semi-specular		-	5LR 124 ...	-	-
specular faceted		-	5LR 134 ...	-	-
alusoft		-	5LR 144 ...	-	-
<b>Montagezubehör</b>					
concrete casting box	ET(mm)	-	5LR 911 6-0BD (ET= 140mm)	5LR 911 6-0BE (ET= 185mm)	5LR 911 5-0BD (ET= 140mm)
plastered aperture		5LR 911 5-0BC	5LR 911 6-0BC	5LR 911 6-0BC	5LR 911 5-0BC
panel ceiling plate		5LR 911 5-4BG	5LR 911 6-4BG	5LR 911 6-4BG	5LR 911 5-4BG
sheet metal ceiling adapter		-	-	-	-
mounting bracket		5LR 911 5-0BJ	5LR 911 6-0BJ	5LR 911 6-0BJ	5LR 911 5-0BJ
backing plate		5LR 911 5-0BA	5LR 911 6-0BA	5LR 911 6-0BA	5LR 911 5-0BA
cut aperture ceiling ring		5LR 911 5-0BF	5LR 911 6-0BF	5LR 911 6-0BF	5LR 911 5-0BF
set of extension brackets		5LR 911 0-0BR <sup>4)</sup>	-	5LR 911 0-0BR <sup>4)</sup>	5LR 911 0-0BR <sup>5)</sup>

1) in combination with a set of extension brackets as accessory

2) recommended reflector type

3) with net ceiling thickness 25-51mm

4) with net ceiling thickness 51-73mm

5) max. 26W

ET = installed depth

### reference

☑ mounting accessories	5   23
☑ optical and decorative accessories	5   20
☑ emergency light equipment	ch. 9

Lunis® E (D= 230mm) | Lunis® (D= 230mm) | Lunis® C<sup>1)</sup> (D= 250mm)

exclusive float glass<sup>2)</sup>



exclusive cover glass | IP44<sup>2) 5)</sup>



with aluminium decorative bezel, pure white (RAL 9010)

with aluminium decorative bezel, white aluminium (RAL 9006)

with aluminium decorative bezel, brushed and anodised

with aluminium decorative bezel, pure white (RAL 9010)

with aluminium decorative bezel, white aluminium (RAL 9006)

with aluminium decorative bezel, brushed and anodised

5LR 954 6-4EJ frosted inside  
5LR 954 6-4EK frosted outside  
5LR 954 6-4EL fully frosted

5LR 954 6-8EJ frosted inside  
5LR 954 6-8EK frosted outside  
5LR 954 6-8EL fully frosted

5LR 954 6-7EJ frosted inside  
5LR 954 6-7EK frosted outside  
5LR 954 6-7EL fully frosted

5LR 954 6-4EB frosted inside  
5LR 954 6-4EF frosted outside  
5LR 954 6-4EE fully frosted  
5LR 954 6-4EA clear

5LR 954 6-8EB frosted inside  
5LR 954 6-8EF frosted outside  
5LR 954 6-8EE fully frosted  
5LR 954 6-8EA clear

5LR 954 6-7EB frosted inside  
5LR 954 6-7EF frosted outside  
5LR 954 6-7EE fully frosted  
5LR 954 6-7EA clear

Lunis® E (D= 230mm) | Lunis® (D= 230mm) | Lunis® C<sup>1)</sup> (D= 250mm)

exclusive coaxial cover<sup>2) 5)</sup>



exclusive prismatic ring cover (PMMA) | IP44<sup>2) 3) 5)</sup>



with aluminium decorative bezel, pure white (RAL 9010)

with aluminium decorative bezel, white aluminium (RAL 9006)

with aluminium decorative bezel, brushed and anodised

with aluminium decorative bezel, pure white (RAL 9010)

with aluminium decorative bezel, white aluminium (RAL 9006)

with aluminium decorative bezel, brushed and anodised

5LR 944 6-4EQ toughened safety glass, frosted  
5LR 944 6-4FQ cobalt glass, blue

5LR 944 6-8EQ toughened safety glass, frosted  
5LR 944 6-8FQ cobalt glass, blue

5LR 944 6-7EQ toughened safety glass, frosted  
5LR 944 6-7FQ cobalt glass, blue

5LR 944 6-4DT prismatic ring cover

5LR 944 6-8DT prismatic ring cover

5LR 944 6-7DT prismatic ring cover

- 1) Lunis® C: downlight for recessed and pendant mounting (chapter 4).  
For Lunis® C (D= 250mm), the optical accessories for D=230mm are suitable
- 2) with a total power consumption of > 42W the use of cover glasses and prismatic ring covers is not recommended
- 3) deployment with downlights for high pressure lamps HIT, HIT-CE, HIT-DE is not permitted
- 4) with downlights with wallwasher characteristics, only the use of clear and fully frosted cover glass or float glass is recommended
- 5) not recommended with downlights having wallwasher characteristics

Lunis® E | Lunis® | Lunis® C <sup>1)</sup>

## standard turbo louvre



## standard cross louvre



## standard ring louvre



	Lunis® E	Lunis®	Lunis®	Lunis®	Lunis® C
	5LR 418 ...	5LR 114 ...	5LR 112 ...	5LR 112 ...	5LR 214 ...
	D= 230mm	D= 230mm	D= 230mm	D= 180mm	D= 250mm

turbo louvre	5LR 941 6-1AA	5LR 941 6-1AA	-	-	5LR 941 6-1AA
cross louvre	5LR 941 6-1AD	5LR 941 6-1AD	-	-	5LR 941 6-1AD
ring louvre	5LR 941 6-1AB	5LR 941 6-1AB	5LR 941 6-1AB	5LR 941 5-1AB	5LR 941 6-1AB

Lunis® E, Lunis® | Lunis® | Lunis® C <sup>1)</sup>

## exclusive decorative bezel

## standard decorative bezel



	Lunis® E / Lunis®		Lunis® C
	D= 230mm	D= 180mm	D= 250mm
<b>exclusive decorative bezel, aluminium</b>			
pure white (RAL 9010)	5LR 954 6-4AP	-	5LR 954 6-4AP
white aluminium (RAL 9006)	5LR 954 6-8AP	-	5LR 954 6-8AP
brushed and anodised	5LR 954 6-7AP	-	5LR 954 6-7AP
<b>standard decorative bezel, high performance polymer</b>			
white	5LR 953 6-4CP	5LR 953 5-4CP	5LR 953 6-4CP

Lunis® E | Lunis® | Lunis® C <sup>1)</sup>standard cover glass | IP44 | IP54 <sup>2)4)</sup>

	cover glass IP44		cover glass IP54	
	D= 230mm	D= 180mm	D= 230mm	D= 180mm

frosted inside	5LR 951 6-3EB	5LR 951 5-3EB	5LR 951 6-3ED	5LR 951 5-3ED
frosted outside	5LR 951 6-3EF	5LR 951 5-3EF	5LR 951 6-3EH	5LR 951 5-3EH
fully frosted	5LR 951 6-3EE	5LR 951 5-3EE	5LR 951 6-3EG	5LR 951 5-3EG
clear	5LR 951 6-3EA	5LR 951 5-3EA	5LR 951 6-3EC	5LR 951 5-3EC

Lunis® E | Lunis® | Lunis® C <sup>1)</sup>standard glass ring <sup>4)</sup>standard float glass <sup>4)</sup>

	Lunis® E / Lunis®		Lunis® C
	D= 230mm	D= 180mm	D= 250mm
<b>glass ring</b>			
toughened safety glass, frosted	5LR 951 6-3ES	5LR 951 5-3ES	5LR 951 6-3ES
cobalt glass, blue, frosted	5LR 951 6-6ES	5LR 951 5-6ES	5LR 951 6-6ES
<b>float glass</b>			
frosted inside	5LR 951 6-3EJ	5LR 951 5-3EJ	5LR 951 6-3EJ
frosted outside	5LR 951 6-3EK	5LR 951 5-3EK	5LR 951 6-3EK
fully frosted	5LR 951 6-3EL	5LR 951 5-3EL	5LR 951 6-3EL

Info Panel: Signage and Escape Symbols

Lunis® E | Lunis® (D= 230mm) | Lunis® C <sup>1)</sup>

exclusive mounting platform for information panel



Mounting platform for information panel, for Lunis® E, Lunis® and Lunis® C, with white opal cover for incorporating info-panel\* and decorative bezel | white opal PMMA diffuser, aluminium decorative bezel, optionally in pure white (RAL 9010), white aluminium (RAL 9006) or aluminium, brushed and anodised

**mounting platform for information panel with aluminium decorative bezel**

pure white (RAL 9010) 5LR 954 6-4DN

white aluminium (RAL 9006) 5LR 954 6-8DN

brushed and anodised 5LR 954 6-7DN

- \* please order separately
- only suitable for luminaires with compact fluorescent lamps

Lunis® R® | Lunis® E | Lunis® | Lunis® C <sup>1)</sup> with mounting platform for information panel

info panel for signage



5LR 954 6-3DV00

5LR 954 6-3DV01

5LR 954 6-3DV11

5LR 954 6-3DV12

5LR 954 6-3DV21



5LR 954 6-3DV41

5LR 954 6-3DV43

5LR 954 6-3DV42

info-panel with printed symbol or free for individual design | PMMA info-panel, highly reflective polished edges, white silkscreen printed symbols  
measurements: W x H x D = 630 x 170 x 8mm

\* for Lunis® E, Lunis® and Lunis® C please order mounting platform separately, for Lunis® R® please order downlight with mounting platform central module separately

- only suitable for luminaires with compact fluorescent lamps

Lunis® R® | Lunis® E | Lunis® | Lunis® C <sup>1)</sup> with mounting platform for information panel

info panel for emergency escape symbols



5LR 954 6-3DV83

5LR 954 6-3DV81

5LR 954 6-3DV82

info-panel with printed symbol | PMMA, highly reflective polished edges, silkscreen printed symbols, white/green  
measurements: W x H x D = 167 x 170 x 8mm

\* for Lunis® E, Lunis® and Lunis® C please order mounting platform separately, for Lunis® R® please order downlight with mounting platform central module separately

- only suitable for luminaires with compact fluorescent lamps

1) Lunis® C: downlight for recessed and pendant mounting (chapter 4).  
For Lunis® C (D= 250mm), the optical accessories for D=230mm are suitable

## installation accessories

	<p><b>concrete casting box</b> for mounting in a cast concrete ceiling   galvanised sheet steel   (please observe ceiling aperture DA and installed depth ET)   when anchoring concrete casting box please observe type of ceiling (exposed concrete or concrete ceiling with plastered layer)</p>		<p><b>plastered aperture ceiling ring</b> for making a clean aperture in wet plaster ceilings   galvanised sheet steel</p>
	<p><b>mounting bracket extension</b> for mounting Lunis® E and Lunis® in ceilings with thickness &gt; 25mm   (d<sub>max</sub> depends upon luminaire type)   galvanised sheet steel   (can also be used with concrete casting boxes in ceilings with plaster layer)</p>		<p><b>cut aperture ceiling ring</b> for securing Lunis® E and Lunis® in ceilings with thickness &lt; 5mm   galvanised sheet steel</p>
	<p><b>backing plate</b> to reinforce porous ceiling panels (e.g. light mineral fibre boards)   for even distribution of luminaire weight on ceiling panel   galvanised sheet steel   (depending upon downlight, 2, 3 or 5 module units wide)</p>		<p><b>mounting bracket module 625 or 600</b> for transmitting luminaire weight to grid system of system ceilings (module 625 or 600)   galvanised sheet steel</p>
	<p><b>panel ceiling plate</b> for downlight installation in module 100 panel ceilings   pure white sheet steel (RAL 9010)</p>		<p><b>electronic transformer for low voltage tungsten halogen lamps</b> suitable for forward and inverse phase control for inductive resistances   primary connection with 2 cables 3 x 1.5mm<sub>2</sub> // 35W - 105W // 230V-240V, 50/60Hz   (please observe max. power consumption of downlight) VDE   ENEC   insulation class II   FF</p>
	<p><b>low-loss control gear for HIT or HIT-DE lamps</b> 3-pole mains connection, max. 2.5mm<sup>2</sup>   pre-assembled wiring with plug/socket connection to downlight, l=0.5m   230/240V, 50Hz   with HIT-CE lamp: use only OSRAM, HCI-TC type ENEC   insulation class I</p>		<p><b>low-loss control gear for HIT or HIT-DE lamps</b> 3-pole mains connection, max. 2.5mm<sup>2</sup>   pre-assembled wiring with plug/socket connection to downlight, l=0.5m   230/240V, 50/60Hz VDE   insulation class 1</p>
	<p><b>multi-cable strain relief</b> for electrical connection of Lunis® E and Lunis® with flexible wiring</p>	<p><b>emergency lighting elements</b> for nearly all Lunis R®, Lunis® E and Lunis®, the following elements are available: emergency lighting element E14<sup>1)</sup>, emergency conversion kit with 1h or 3h running time, changeover switch<sup>1)</sup>  please clarify type of emergency lighting element before installation 1) for operating with a second, external power supply</p>	