

Derungs

MEDICAL LIGHTING

D^{lite}® amadea

ADAPTABILITY AND COMFORT



LIGHTING TO SUIT INDIVIDUAL REQUIREMENTS

SOPHISTICATED LIGHTING - GREAT SUPPORT FOR A LIFE IN DIGNITY!

Like fire, light is one of the essential phenomena in all cultures. From time immemorial, it has always been a basic need for all beings on this planet. Light does not simply illuminate our environment, but tells stories, emphasizes objects and colors, adds zest and creates a specific atmosphere. Wherever natural light is not available, we have to create artificial light. It extends our living space.

Light - a core factor for health and well-being

Derungs Licht AG strives to initiate a fundamentally different approach to light and to the effects it can create. Light is not simply one of the environmental factors which nowadays is hazardous to our health, but light has a significant impact on our well-being.

Lighting in hospitals, medical practices and nursing homes must always meet two most different requirements. The specialized staff working in these buildings requires optimal illumination for daily work. In contrast to this, residents desire lighting systems which create a pleasant and home-like atmosphere. The operators demands must also be considered, looking for a top-quality, efficient lighting, as well as the lasting impressions this lighting will leave on visitors.

Most people in need of care are forced to share bedrooms, floors and social rooms

with other residents. This situation must be considered by the lighting system selected. Proper lighting facilitates life for people in need of care in the unfamiliar environment of a hospital or nursing home, increases their well-being, simplifies orientation, stimulates senses, makes residents more independent, enhances self-confidence and thus contributes positively towards recovery.

For the above-mentioned reasons, aspects for the preservation of a high quality of life and well-being are nowadays increasingly considered within the framework of the construction of new hospitals, medical practices or nursing homes and for the conversion of existing buildings. Already during early planning stages, designers and architects should consider the benefits of modern lighting technology and be aware of all related standards.

The design and the lighting concept of rooms must be the result of a well-balanced compromise between functionality, modern technology and the creation of a pleasant environment. The clinical atmosphere of buildings can be embellished by the selection of proper light colors, different switching circuits, light accents, glare-free light and sophisticated lighting design in order to ensure that people can feel at ease in a medical environment.

In many cases, the combination of different types of lighting (general lighting, lighting for medical purposes/reading, examination lights) provides the best and most flexible solution for a "company". All depends on the proper combination!

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LIGHTING IN A NEW DIMENSION

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LIGHTING SOLUTIONS

CORRIDORS / SOCIAL ROOMS / STAIRWELLS

Mainly during the winter season or on days with bad weather, floors are the only space where residents can move. Through the use of optimal lighting systems, floors can become zones where residents move in a pleasant and protected atmosphere.

Mobile residents

D^{lite}® **amadea** answers to all the major criteria regarding effective lighting in corridors, social rooms and stairwells. The DRS Double-Reflecting-System, combined with the latest technology of T5 fluorescent tubes, provides D^{lite}® **amadea** with an exceptionally low consumption and an efficient illumination. This provides a homogeneous and pleasant lighting in the room, glare- and reflection free, casting few shadows. The combination of indirect and direct lighting brings more space into illuminated rooms, giving them the appearance

of being larger and wider. The warm light creates a calm and welcoming atmosphere of well-being.

Appropriate lighting can counterbalance deficiencies due to age or ill-health, helps prevent mishaps due to inappropriate lighting conditions and provides the residents with mobile autonomy. The residents believe more in themselves, feel good, and the staff benefit from the best possible working conditions.

Bright prospects

- Superior safety of movement through optimally adjusted, cylindrical light intensities and anti-glare effect
- Shade- and reflection-free room lighting reduces the risk of mishaps
- Open, bright and optically enlarged floors through indirect/direct light on ceilings and walls
- Floors become spaces which provide a pleasant and safe atmosphere for moving
- Preserving the quality of life of residents, nursing staff and relatives
- A timeless, discreet design which can suit any interiors
- Easy to clean, easy to change the light source





LIGHTING SOLUTIONS

CORRIDORS / SOCIAL ROOMS / STAIRWELLS

At the heart of each one of our lighting designs is the goal to provide functional illumination by use of multiple lighting components. The luminaire itself should not dominate the overall room light levels, but rather allow for the correct balance of light while giving the designer freedom to customize it further. Implementing innovative technologies allows us to offer professional lighting, answering to all of your individual needs.

Light emission characteristics

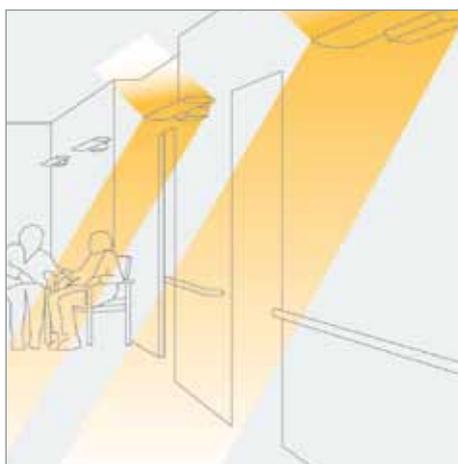
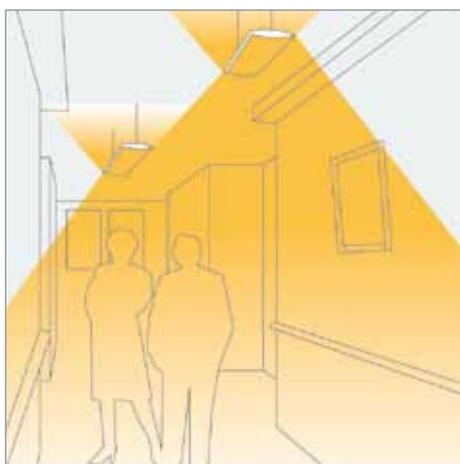
Light is optimally directed towards the room thanks to Double-Reflecting-System (DRS). Plastic satiny screens provide a homogeneous distribution of light in the room.

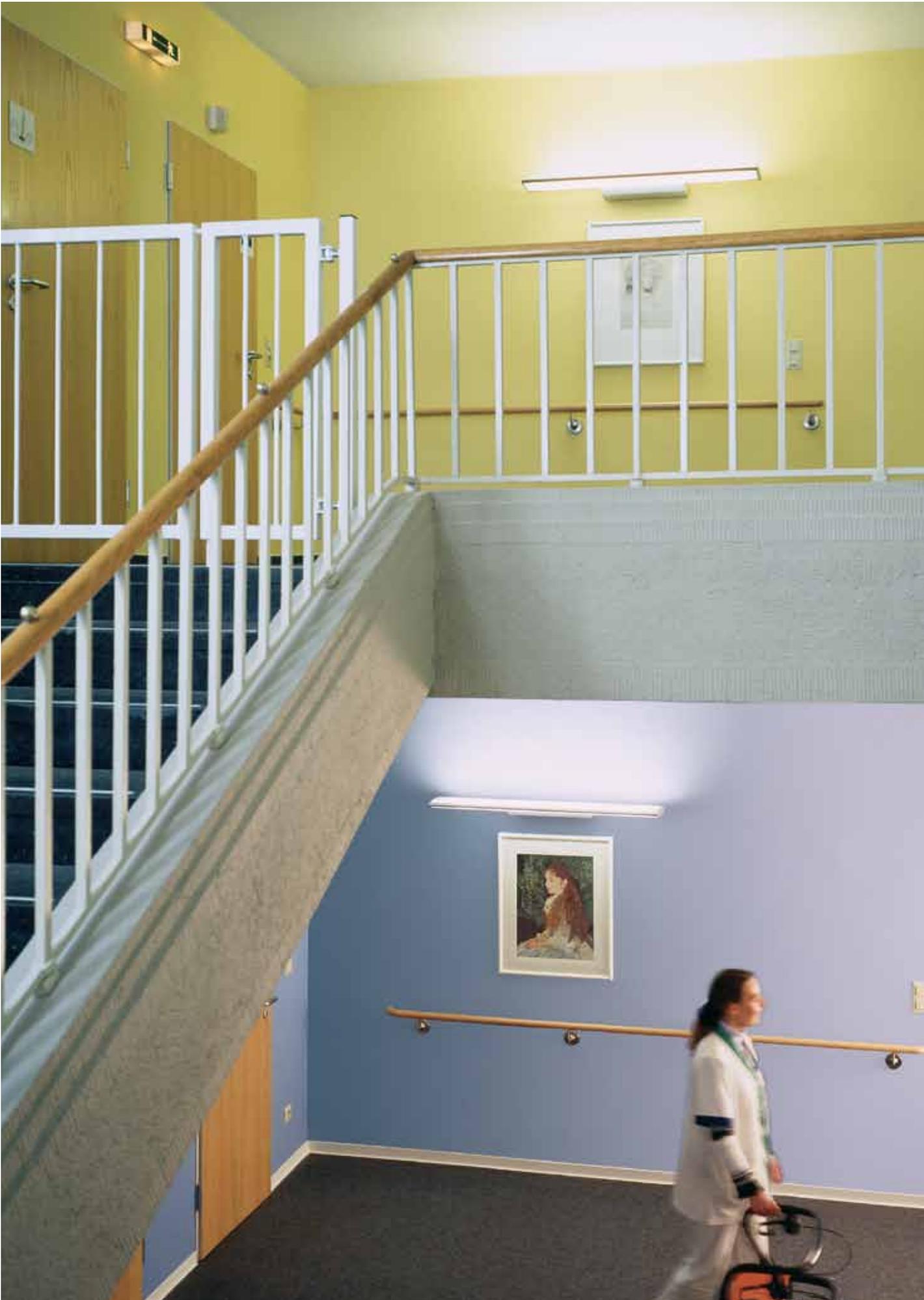
- Brightened rooms optimally enlarge narrow floors; indirect ceiling light provides for a friendly environment and lets rooms look wide and free
- Improved energy balance through the use of fluorescent lamps and electronic series connectors

Cylindrical luminous intensity

Evaluation parameter for the assessment of the level of illumination of vertical and almost vertical surfaces of objects. It also serves as a criterion for the brightness of a room, and in particular, for the illumination of human faces.

- Optimal cylindrical luminous intensity (for excellent recognition of human faces, door latches, light switches, colors)
- Precision and increased productivity due to the safe and speedy recognition of visual tasks (in particular for nursing staff)
- Excellent brightness perception: The ideal level of lighting provides for motivation and well-being





LIGHTING SOLUTIONS

BEDROOMS

Caring for patients, as for elderly people, requires a large variation of illuminations. In this situation, the concept of professional lighting is of fundamental importance, answering to all the different demands from operators, staff, patients, elderly people and visitors.

Nursing care light / examination light

The nursing staff need a clear light, intense for small examinations, care, changing bandages, giving shots and setting up drips, etc. The nursing staff should never see their own shadows when carrying out these tasks, so any shadow projections must be reduced to the maximum. The light should create an ideal work environment, answering to all the staffs functional and lighting demands, and increasing their motivation to work.

Reading light

A separate reading light for the patient/resident allows for a relaxing, glare-free reading time in the comfort of their own bed.

General light / ambient light

General lighting should be considered as replacing daylight. It makes up for the basic lighting of the room. It not only provides a comfortable and pleasant lighting, but also relays a sense of security, which encourages the patients abilities of being active.

Night light / orientation light

Discreet night light offers an effective assistance for orientation lighting in the dark during night calls, without disturbing the patients in their sleep. It gives the patient an ambient light with greatly-reduced intensity, allowing them to watch television for example.

Bright prospects

- The perfect, flexible solution for residents, nursing staff and architects
- Well-adjusted, pleasant room light through indirect/direct lighting
- Rooms become oases of well-being and recreation
- A timeless, discreet design which can suit any interiors
- The integration of general lighting, examination lights, reading lights and special night lights improve the quality of life of patients/residents and nursing staff
- Convenient and simple switching of different lighting scenarios

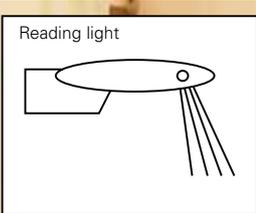
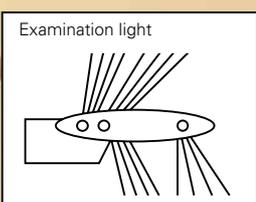
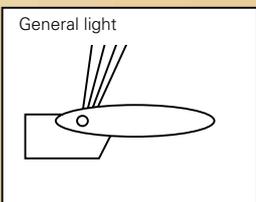
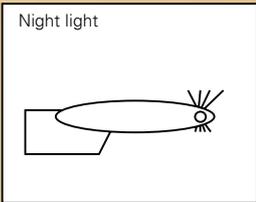


Reduced need for care: accessible from one side



High need for care: accessible from both sides





LIGHTING SOLUTIONS

BEDROOMS

The combination of the various lighting possibilities, such as general lighting, lighting for medical care or examinations, reading or night lights, is obtained thanks to individually switchable indirect or direct lighting on the ceilings, walls and floors.

Light emission characteristics

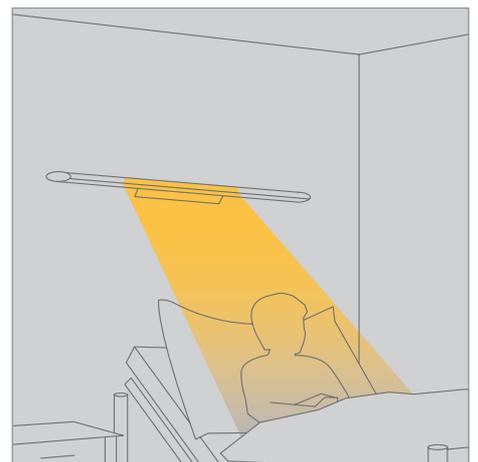
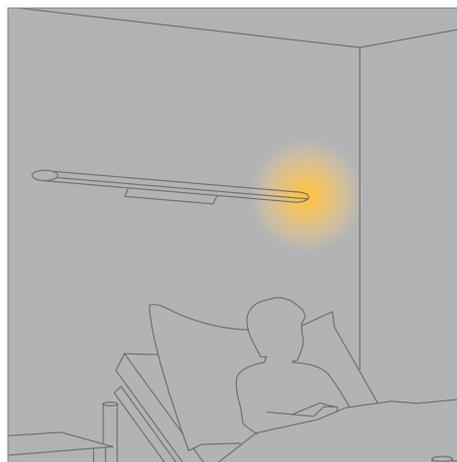
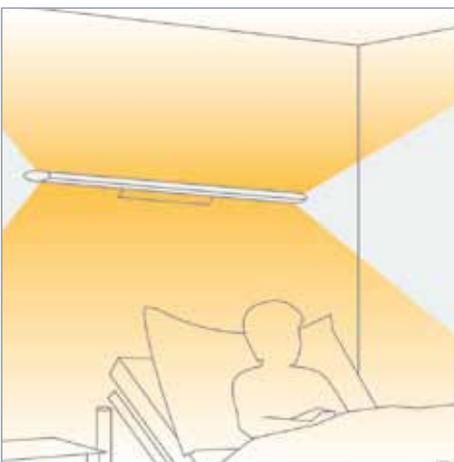
This unique reflector technology guarantees an optimal illumination guidance. Reduced luminance on the walls guarantees a homogeneous lighting in the room, as well as a pleasant illumination, glare-, reflection- and shadow-free. The room is comfortably and pleasantly bathed in light.

Night light

The soft 5-7 Watt night light allows the personnel to carry out any nightly check tasks without having to turn on the main light.

Reading light

The 24-watt concentrated reading light helps the patient read in bed.





PRODUCT FAMILY AT A GLANCE

CEILING LIGHTS

D^{lite}® amadea



54/54 C, 2x54 C



2x28 C



- General indirect / direct light
- Excellent light efficiency and light effect due to DRS Double Reflecting System and T5 fluorescent lamps
- Suitable for various ceiling heights (min. 2.5 m) as the pendant length is adjust-able (20 cm to 150 cm)
- Homogeneous and uniform ambient lighting
- Light is low in glare, reflectances and shadows
- Creates good visibility and safety

WALL LIGHTS

D^{lite}® amadea



Compact 55 W



39/39 W, 2x39 W

- General indirect / direct light
- Excellent light efficiency and light effect due to DRS Double Reflecting System and T5 fluorescent lamps
- The low light density on the walls ensures uniform ambient lighting and a comfortable light low in glare, reflectances and shadows.
- Modular design of wall unit allows accommodation of additional components
- Three-hour battery-operated emergency lighting

D^{lite}® amadea Bed



54/54 W



39/39 W, 2x39 W

- Indirect general light
- Direct reading light
- Indirect / Direct examination light
- Night light
- Light effects can be switched separately or they can be dimmed, on request
- Excellent light efficiency and light effect due to DRS Double Reflecting System and T5 fluorescent lamps
- Available with 2x54 W and 2x39 W plus 24 W reading light



Picture: Atelier Prof. Schricker, Stuttgart

Dlite® amadea 54/54 C

TECHNICAL DATA

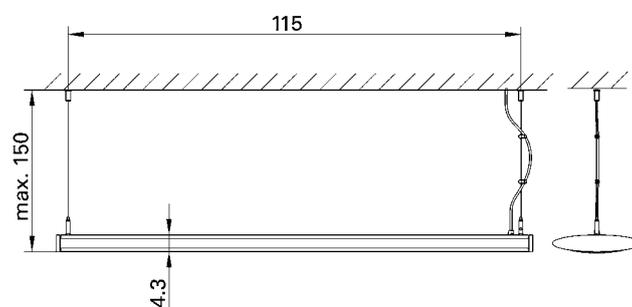
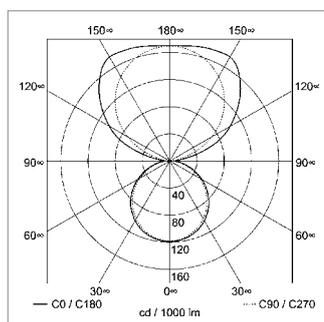
ROOM LIGHTS

FITTED WITH	1 x fluorescent lamp T16 54 W - D68890000 1 x fluorescent lamp T16 54 W - D68895000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast DALI
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 4.8 kg
POWER CONSUMPTION	approx. 117 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
FASTENING	ceiling fastening (pendel)
ORDER NUMBER	D14.105.000 - silver - appr. 3 m; special plug



LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea 2x54 C

TECHNICAL DATA

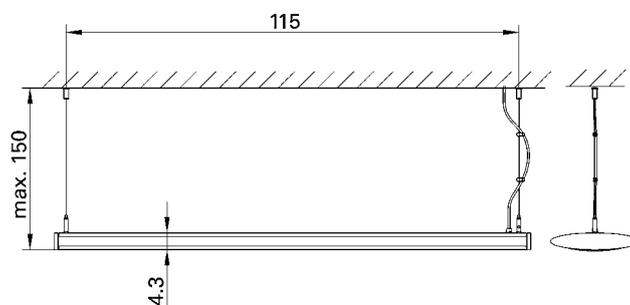
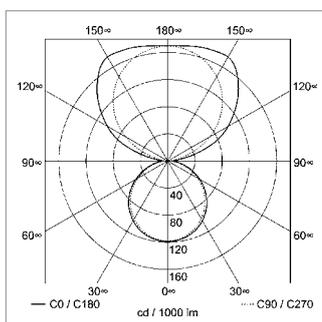
ROOM LIGHTS

FITTED WITH	2 x fluorescent lamp T16 54 W - D68890000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	direct power supply
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 4.8 kg
POWER CONSUMPTION	approx. 117 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	not single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
SPECIAL FEATURES	Luminaire Minergie
FASTENING	ceiling fastening (pendel)
ORDER NUMBER	D13.595.000 - silver - direct power supply D13.696.000 - silver - direct power supply - DALI version



LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea 2x28 C

TECHNICAL DATA

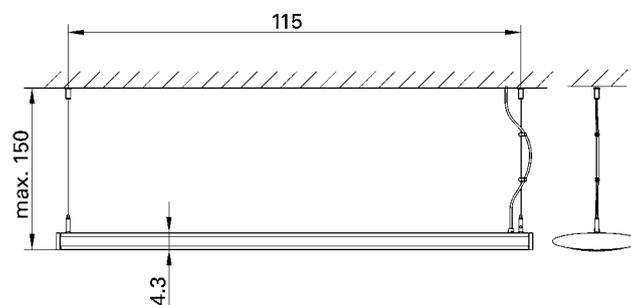
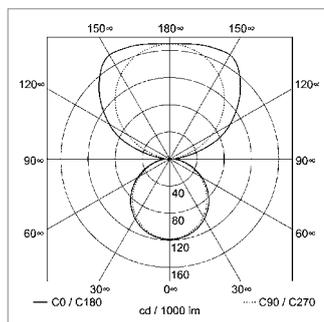
ROOM LIGHTS

FITTED WITH	2 x fluorescent lamp T16 28 W - D68901000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	direct power supply
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 4.8 kg
POWER CONSUMPTION	approx. 63 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	not single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
SPECIAL FEATURES	Luminaire Minergie
FASTENING	ceiling fastening (pendel)
ORDER NUMBER	D14.862.000 - silver - direct power supply



LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea Compact 55 W

TECHNICAL DATA

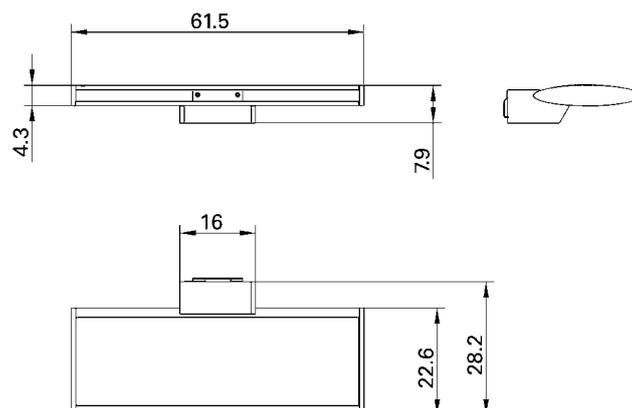
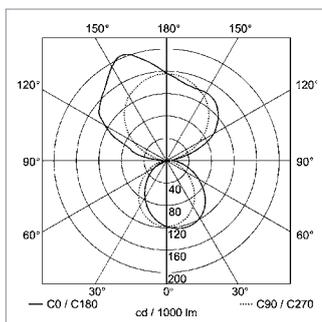
ROOM LIGHTS

FITTED WITH	1 x compact fluorescent lamp TC-L 55 W - D68849000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 4.0 kg
POWER CONSUMPTION	approx. 61 W
USAGE	without switch
LAMP COVER	Acrylic satine
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
FASTENING	wall mount
ORDER NUMBER	D13.832.000 - silver - appr. 3 m; special plug



LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea 39/39 W

TECHNICAL DATA

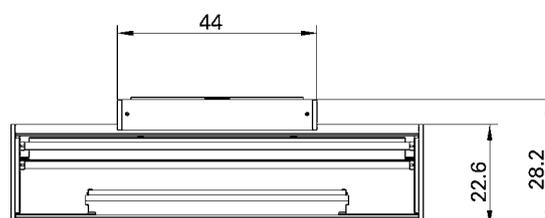
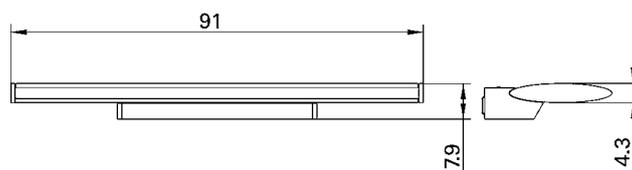
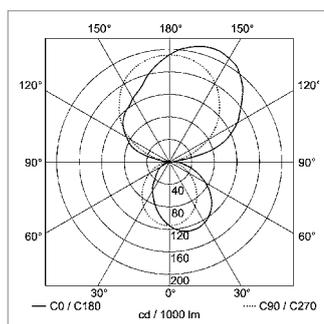
ROOM LIGHTS

FITTED WITH	1 x fluorescent lamp T16 39 W - D68891000 1 x fluorescent lamp T16 39 W - D68897000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast DALI
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 5.0 kg
POWER CONSUMPTION	approx. 80 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
FASTENING	wall mount
ORDER NUMBER	D14.447.000 - silver - appr. 3 m; special plug



LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea 2x39 W

TECHNICAL DATA

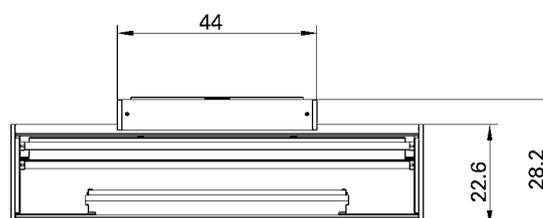
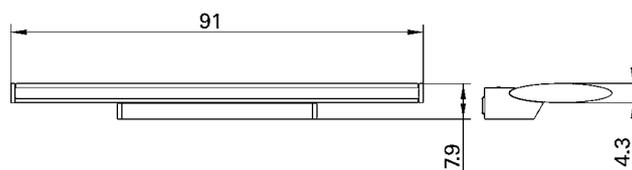
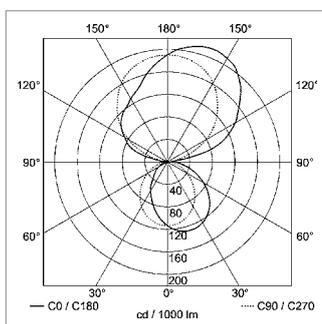
ROOM LIGHTS

FITTED WITH	2 x fluorescent lamp T16 39 W - D68891000
LIGHT DISTRIBUTION	general lighting indirect/direct
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 5.0 kg
POWER CONSUMPTION	approx. 80 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	not single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
FASTENING	wall mount
ORDER NUMBER	D13.577.000 - silver - appr. 3 m; special plug D14.248.000 - silver - appr. 3 m; special plug - DALI version



LIGHT DISTRIBUTION

TECHNICAL DRAWING



DLite® amadea Bed 54/54 W

TECHNICAL DATA

ROOM LIGHTS

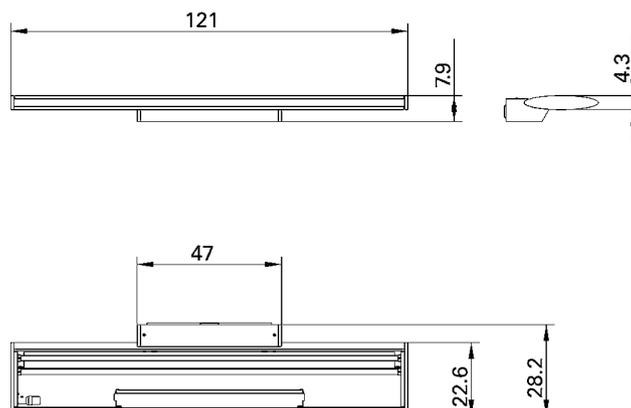
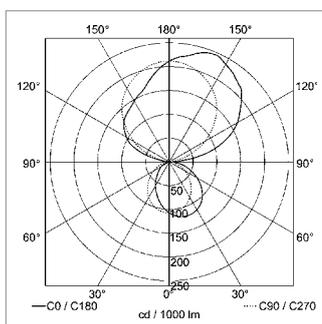
FITTED WITH	2 x fluorescent lamp T16 54 W - D68890000 1 x fluorescent lamp T16 24 W - D68892000 1 x incandescent lamp IT-16 7 W - D68888000
LIGHT DISTRIBUTION	general lighting; indirect 54 W examination lighting; indirect/direct 2x54 W lighting for reading; direct 24 W (optional) night lighting 5-7 W
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	direct power supply
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 6.3 kg
POWER CONSUMPTION	approx. 159 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
SPECIAL FEATURES	DRS Double-Reflector-System, low voltage control on request
FASTENING	wall mount



Direct- and indirect light single switchable	with reading light	DALI ballast	Order No.
DLite® amadea Bed 54/54 W	X	X	D14.233.000
DLite® amadea Bed 54/54 W		X	D14.235.000
DLite® amadea Bed 54/54 W	X		D13.580.000
DLite® amadea Bed 54/54 W			D13.581.000

LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea Bed 39/39 W

TECHNICAL DATA

ROOM LIGHTS

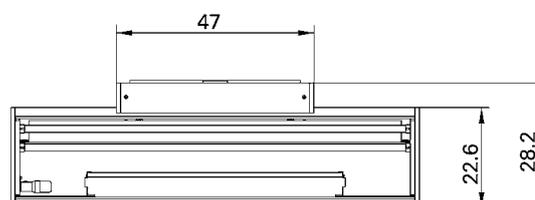
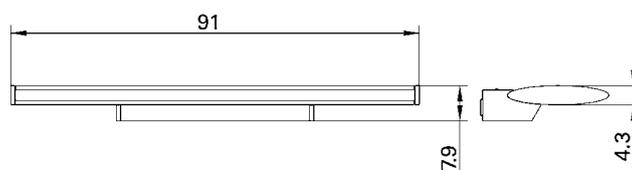
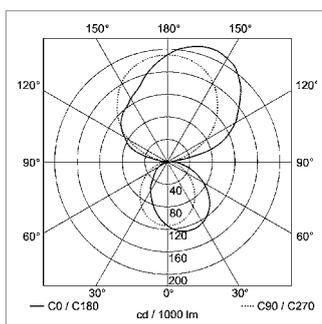
FITTED WITH	2 x fluorescent lamp T16 39 W - D68891000 1 x fluorescent lamp T16 24 W - D68892000 1 x incandescent lamp IT-16 7 W - D68888000
LIGHT DISTRIBUTION	general lighting; indirect 39 W examination lighting; indirect/direct 2x39 W lighting for reading; direct 24 W (optional) night lighting 5-7 W
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 6.3 kg
POWER CONSUMPTION	approx. 125 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
SPECIAL FEATURES	DRS Double-Reflector-System, low voltage control on request
FASTENING	wall mount



Direct- and indirect light single switchable	with reading light	DAU ballast	Order No.
Dlite® amadea Bed 39/39 W	X	X	D14.242.000
Dlite® amadea Bed 39/39 W		X	D14.244.000
Dlite® amadea Bed 39/39 W	X		D13.578.000
Dlite® amadea Bed 39/39 W			D13.579.000

LIGHT DISTRIBUTION

TECHNICAL DRAWING



Dlite® amadea Bed 2x39 W

TECHNICAL DATA

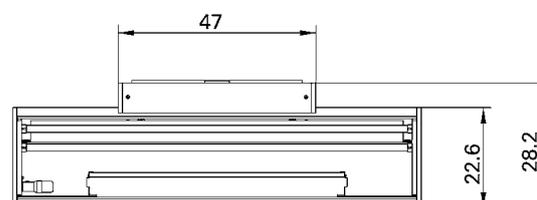
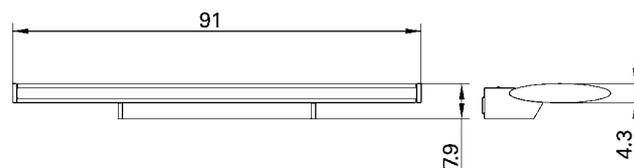
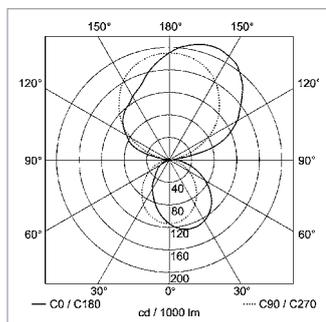
ROOM LIGHTS

FITTED WITH	2 x fluorescent lamp T16 39 W - D68891000 1 x fluorescent lamp T16 24 W - D68892000 1 x incandescent lamp IT-16 7 W - D68888000
LIGHT DISTRIBUTION	general lighting; indirect 39 W examination lighting; indirect/direct 2x39 W lighting for reading; direct 24 W (optional) night lighting 5-7 W
WORK EQUIPMENT	electronic ballast
CONNECTED LOAD	230-240 V; 50-60 Hz
MAINS LEAD	appr. 3 m; special plug
LUMINAIRE BODY	aluminium powder-coated
WEIGHT (NET)	approx. 6.3 kg
POWER CONSUMPTION	approx. 121 W
USAGE	without switch
LAMP COVER	Acrylic satine
TECHNOLOGY	not single switchable
CLASS OF PROTECTION	I
NORMS	EN 60598-1, EN 60598-2-25
SPECIAL FEATURES	DRS Double-Reflector-System, low voltage control on request
FASTENING	wall mount
ORDER NUMBER	D14.132.000 - silver - appr. 3 m; special plug



LIGHT DISTRIBUTION

TECHNICAL DRAWING





OWN DISTRIBUTORS

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