

Bathroom & Wellness Special



 DELTALIGHT®



Cocoon

It is now generally acknowledged that an attractive bathroom is an important feature of a house. It may be the smallest room in the house, but there are good reasons why its impact should never be underestimated.

Firstly, a pleasant, comfortable bathroom improves your quality of life, and, in addition, it increases the value of your property considerably. The latter is an important factor if you decide to sell.

Modern life is highly stressful. The bathroom has gradually developed into a place where we can unwind and relax. A bathroom with a pleasant and soothing design, geared towards individual wellness and with specially adapted lighting, is also much in demand. The new range of bathroom light fixtures (with an IP value of at least 44) from Delta Light offers the perfect solution: technically sophisticated products in an attractive design.

The focus is on simplicity and basic shapes with the right light effect for the right ambience. This is given extra emphasis thanks to the use of pure colours and materials for the lighting appliances: chrome, white, and aluminium, combined with polycarbonate.

In addition to elegant shapes, the lighting effect is also of great importance. It is essential to create the right ambience whilst also having the functionality to perform everyday tasks. Therefore, start with the most important light: mirror lighting, shower and bath, and complete this with luminaires that provide additional atmosphere and warmth to the bathroom.



Ambience

Ambience Lighting //

An adapted ambience puts you in a good mood. Subtle shades are applied in the room with LED lights in the shower, or as a light line under the bath (with RGB colour, if required).

Turning down the lights by dimming ensures cosiness and intimacy similar to the effect of candlelight. Indirect lighting, too, by means of uplighting, will contribute to warm and diffuse lighting.

TIP// Colour and highlights with LED lights provide ambience. Dimming provides comfort and a relaxed ambience.



Light

General Lighting //

It goes without saying that light in the bathroom also serves a purpose. The illuminance of the general lighting has to be sufficient to enable you to move around safely. Spotlights equipped with halogen lamps with a wide beam of light are ideal for this purpose and, moreover, they can be dimmed.

TIP// We use wide beams of light and sufficient illuminance to provide a generally safe view in the room.



Mirror

Mirror Lighting //

We pay special attention to the mirror zone where people shave, put make-up on and get ready for the day. It is particularly important to avoid shadows in this area, and this is achieved through the correct fitting of diffuse fluorescent lighting which highlights the face completely.

TIP// Illuminate the person, not the mirror.

Within the Delta Light product range you can find luminaires for exterior lighting that – provided adjustment of wattages – are also suitable for installation in the bathroom.



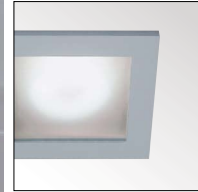
1// Bathroom Zone

The Delta Light® collection offers you a broad range of ideas to illuminate your bathroom in a pleasant way. Some of these products are specifically designed for use in the bathroom, but also other interior and exterior designs in the Delta Light® range can be suitable for use in humid areas. The key here is to keep an eye on the IP value of the device (see technical info in the back).



Carree GT

Carree Max INT 29



Carree GT INT 29



C-Max

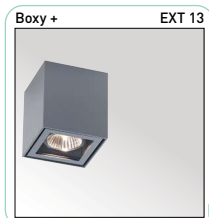
C-Max INT 17



Round and square recessed downlights as a stylish solution for general lighting. These spots can be installed above the bath or shower.



Boxy+
Contemporary cube
for surface mounting, with halogen
lamp, ideal as a general lighting.



Boxy +



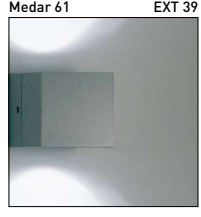
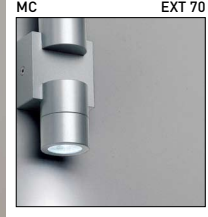
Jeti Plano L 218

Jeti Plano L218
Sharp edged polycarbonate box
that provides a soft general lighting
with compact fluorescent lamp.



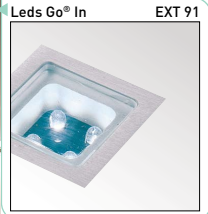
Roxy

LED has become an integral part of the bathroom. LED not only shows a lower energy consumption, but also gives you the possibility to bring additional accents or create extra atmosphere in the bathroom.



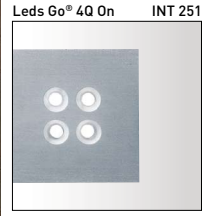
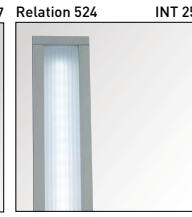
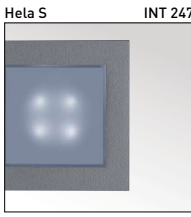
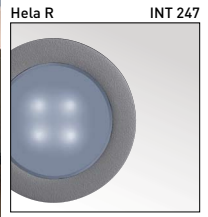
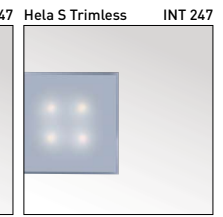
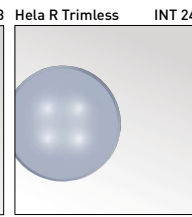
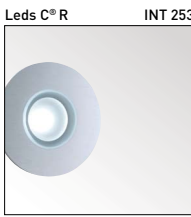
Nanoo

Leds Go® In



In addition to surface mounted LEDs there are many possibilities for recessed LEDs. These recessed LEDs can be used perfectly in and around shower or bath. They provide a refined and elegant effect, and exist in different forms.

An indirect LED strip clearly brings additional cachet to your bathroom. (picture on the right)







i-Beam

U-Tube

INT 297

i-Beam

INT 347



i-BEAM

These products are just a few examples from the range of wall lighting. The direct and indirect light is a pleasant and functional complement, regularly used around the mirror. In addition to choice in light source (LED, fluorescent and halogen), there are various colors and finishes available (white, chrome, aluminum color).



Kosmo



i-Liner



A versatile solution with an eye for functionality and design.



2// Bathroom & Wellness Zone

This selection of products provides added value in and around the bathroom and wellness area. Some products can be used both inside and outside. These luminaires are distinguished by their elegant and beautiful design, and give an extra dimension to your relaxation environment. The perfect integration of peace and aesthetics with wellness and body care.

This mirror lighting provides a good reflection, an essential element for optimal ease of use.



Backspace 26

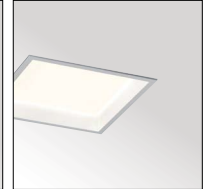


Lay In PC



For larger areas as well, Delta Light offers several recessed spots that guarantee a pleasant general lighting.

Diro 126/226 SBL INT 11 Grand Carree 126 SBL INT 32

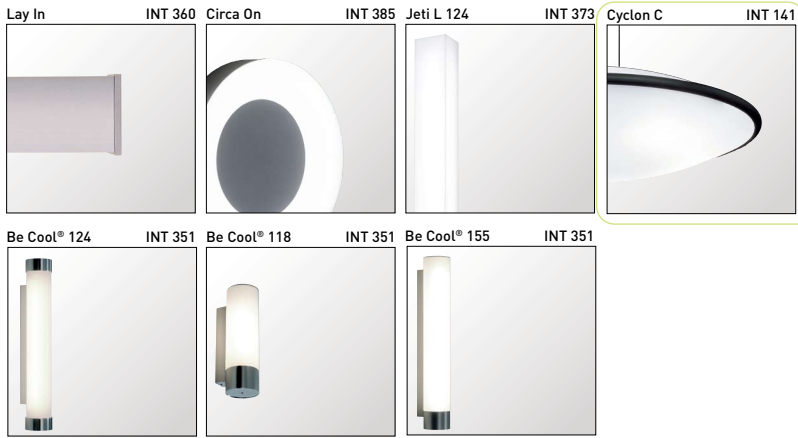


Downforce R INT 85 Downforce S INT 85



Compac 226 SBL INT 89





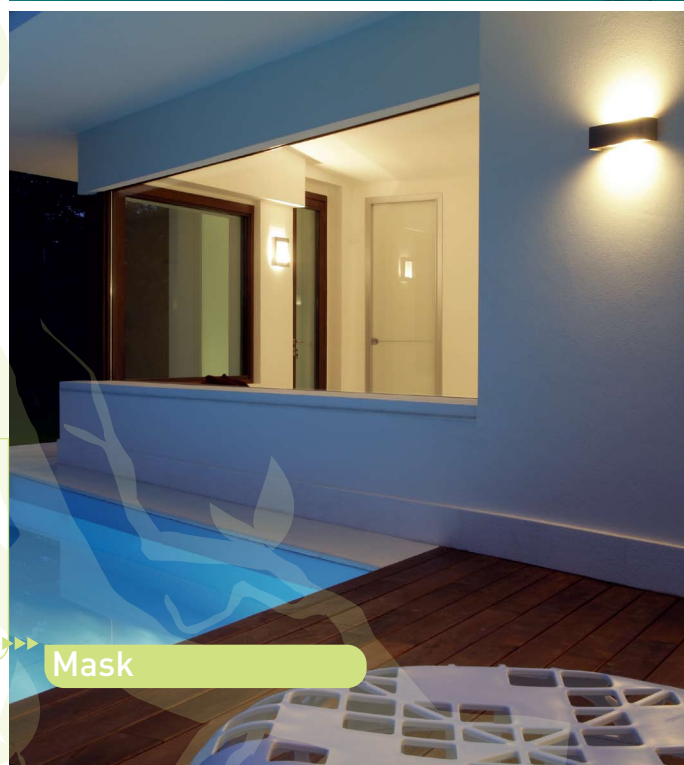
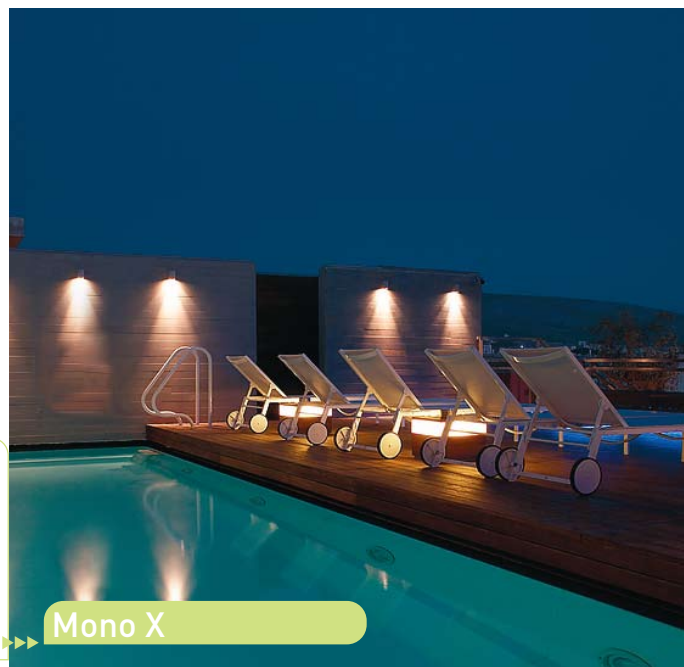
Several opportunities in the Delta Light product range to provide your bathroom with a modern or retro light element.



Wellness area: inside or outside

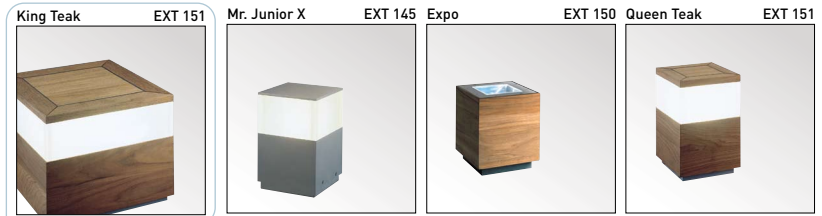


For outdoor lighting as well Delta Light presents solutions for everyone's taste. Up and/or down light, atmosphere, accent or general lighting... Delta Light presents you a sophisticated solution that can answer every need. Provided adjusted wattage these devices are also suitable for indoor purposes.



3// Larger Wellness Area

In a larger wellness zone a stand-alone lighting element can bring extra warmth and prestige to the area. This selection of Delta Light® products ensure a timeless refinement to your wellness environment. A finish in aluminum emphasizes a sense of design and character, while wood provides a voluptuous soft touch. LED replacement lamps are now also available for this type of lighting.



King Teak



Technical Info

Bathroom and shower lighting Information on zones and IP ratings:

Bathrooms are considered to be a 'special location' for electrical installations because they have an increased risk of electric shock for the users, due to the proximity of water and the low electrical resistance of the human body. Electrical contractors make bathroom installations as safe as possible with careful adherence to wiring and building regulations and a wise choice of equipment.

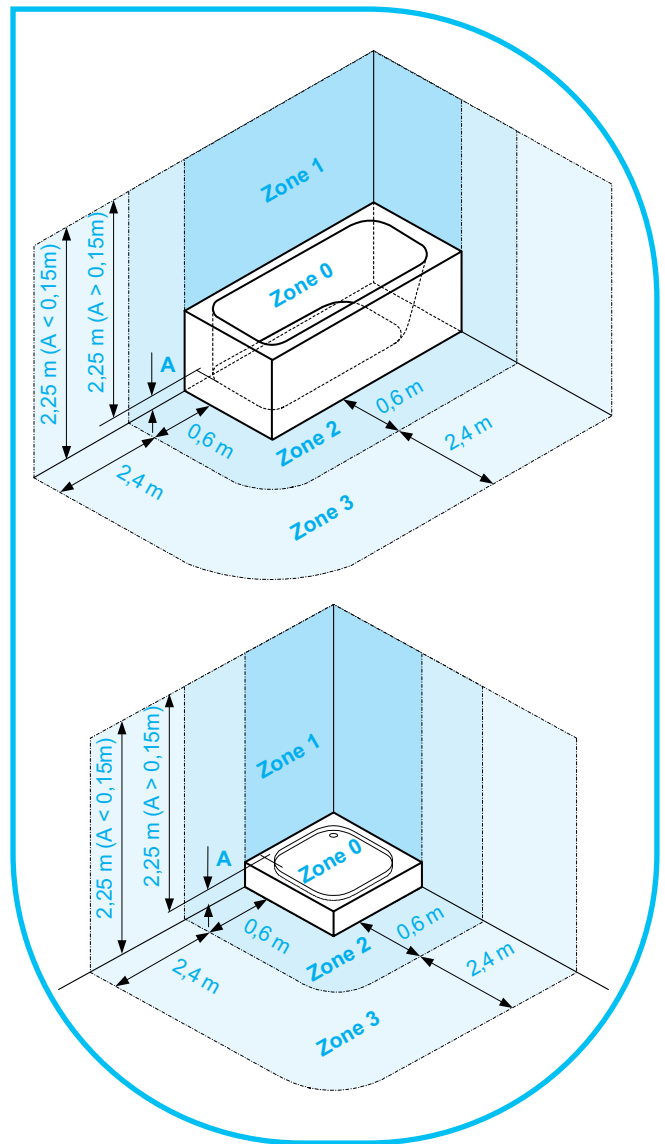
A bathroom can be divided into zones which take into account windows, doors, walls ceilings and partitions and is based on a perceived level of risk zone. Each zone has specific requirements regarding the electrical equipment that can be used in that zone.

Zone 0 // The interior of the bathtub or shower basin.

Zone 1 // The area around the bathtub or shower basin up to a height of 2,25m above the floor and at a radius of 1,2m from the water outlet.

Zone 2 // Is limited by the vertical planes external to zone 1 and parallel vertical plane (s) 0,60m external to zone 1.

Zone 3 // Is limited to the vertical plane(s) external to zone 2 and the parallel vertical plane(s) 2,40m external to zone 2.



Electrical equipment used in bathrooms must not be adversely influenced by environmental factors. These can include condensation, humidity, steam, drops of water or sprays from showers. There are a number of different indicators relating to electrical products that identify the products safety and suitability for bathroom use:

1 // IP Ratings

Bathroom electrical equipment must carry an appropriate Ingress Protection (IP) rating for its location.

2 // PELV and SELV

Equipment may also be described as a Protective Extra-Low Voltage (PELV) or Safety Extra-Low Voltage (SELV) product. PELV products use low voltage but are connected to earth. SELV products are again of low voltage, but the voltage supply output is double insulated from the input. This enables a SELV product to be used in any zone in the bathroom providing the source (e.g. transformer) is housed in Zone 3.

Lighting

Electrical contractors are required to look for an appropriate IP rated product (recommended IPX4 or above).

Some types of lights can be installed in Zone 0 (specifically for use in shower enclosures) but they must be 12V SELV.

Zone	Electrical equipment	Ingress Protection
0	Supply \leq 12 VAC	IP X7
	Supply \leq 6 VAC	IP XX
1	Waterheater IP X4	
	Supply \leq 12 VAC	IP X4
	Supply \leq 6 VAC	IP XX
	Lighting	
2	Waterheater	
	(fixed mounting)	IP X4
	Lighting	
	(placed at a min. height of 1,6m)	IP X4
	Heating or ventilator	
3	(fixed mounting)	IP X4
	Supply \leq 12 VAC	
	General electrical appliances	IP X1
	Supply \leq 12 VAC	IP XX

Technical Info

IP Codes

IP code is a rating assigned to a product that indicates its level of Ingress Protection, that is, the amount of protection that the enclosure of the product provides against the entry of solid foreign objects (fingers, tools, and so on) and against moisture infiltration (from rain, for example). IP codes have the format IPxx, where the x represent numerals from the coding scheme.

The first number in the sequence signifies the degree of protection against the entry of foreign solid objects. The range of available numbers is 0–6. The second number signifies the degree of protection against the entry of moisture and may be anything from 0 through 8. The letter X may be used as an alternative for zero. The protection is greater as the number is higher.

IP

1ST DIGIT:

Protection against foreign, solid objects

IP X...	Description
0	No protection
1	Protected against solid objects over 50 mm, e.g. accidental touch by hands
2	Protected against solid objects over 12 mm, e.g. fingers
3	Protected against solid objects over 2,5 mm (tools / wires)
4	Protected against solid objects over 2,5 mm (tools / wires)
5	Protected against dust - limited ingress (no harmful deposit)
6	Totally protected against dust

2ND DIGIT:

Protection against liquids and moisture

IP ...X	Description
0	No protection
1	Protected against vertically falling drops of water
2	Protected against direct sprays of water up to 15° from the vertical
3	Protected against sprays to 80° from the vertical
4	Protected against water sprayed from all directions - limited ingress permitted
5	Protected against low pressure jets of water from all directions - limited ingress permitted
6	Protected against strong jets of water, e.g. for use on shipdecks - limited ingress permitted
7	Protected against the effects of immersion between 15 cm and 1 m
8	Protected against long periods of immersion under pressure

Example:

IP 67 Totally protected against dust and protected against the effects of immersion between 15 cm and 1 m.



Product Design - Research - Development: Delta Light®
Coordination - Concept: Delta Light®
Graphic Design - Realisation: Delta Light®

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