

The lighting handbook v4.0



ZESS Gruppe

Location
Lindenhofstrasse 12
3048 Worblaufen
Switzerland

For more information
info@zess-verlicht.com

ZESS Gruppe - Marketing Dept.

Paper
Freelife Vellum - Fedrigoni
GardaMatt - Lecta
Corious Matter - Arjowiggins

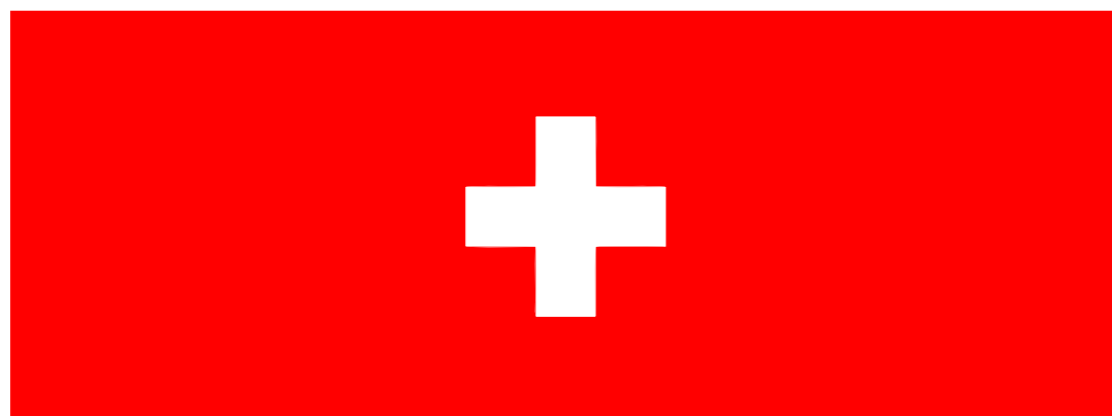
Press
NAVA Press s.r.l.

Printed in Switzerland
July 2018

zessverlicht.de

“When I am working on a problem, I never think
about beauty. But when I have finished, if the solution
is not beautiful, I know it is wrong.”
BUCKMINSTER FULLER

ZESS



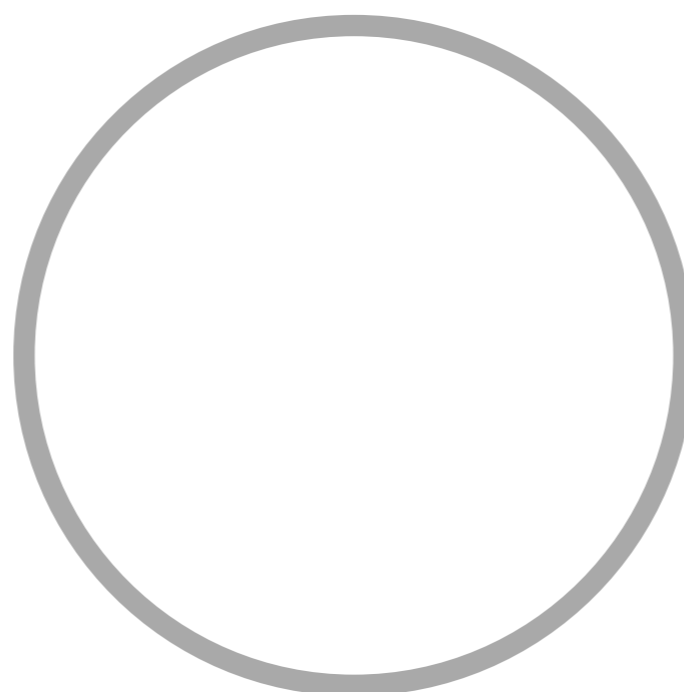
Product of Switzerland
Prodotto della Svizzera
Produit de la Suisse
Produkt der Schweiz
Producto de Suiza

Four different interpretations. Product collections designed to "build up" spaces and make them richer through light, the fundamental element that ZESS Lighting Group has masterfully developed in over thirty years of activity. This collection features.

architectural lighting

Light requires a high level of precision. Particularly in the field of architectural lighting, where it becomes an essential element that requires close attention. Without light, all environments are uninhabitable; without light, no architectural feature can emerge from darkness; a landscape cannot find full expression if it isn't properly illuminated. Today, lighting must blend in with the environment and become an added value, never play the lead. Like a good costume designer who, from behind the scenes, dresses up the actors and helps set the scene to fit any historical period, so is lighting in the architectural field. This is precisely what ZESS Lighting Group's new Architectural Lighting Collection does.

Let the show begin



Lighting without limits



EN It all begins with a passion for light. For 20 years, ZESS has been working with lighting designers and architects to develop custom luminaires of the highest technical standard, which impress with their style and aesthetics. There is always one goal: to push the boundaries of the technically feasible, enabling visionary designs. We can meet this challenge because our employees in our design labs as well as production and sales locations around the world deliver top performance. Being on-site for our customers is essential for mutual success. Thanks to organisational efficiency and high in-house production depth, we can tailor our response to the needs of our customers and continuously expand our existing product portfolio. Meeting seemingly impossible challenges is our daily motivation and inspiration. We present the result of one of these pioneering projects on our cover. From novel concept to luminaire innovation: a path created by crossing borders.

DE Het begint allemaal met een passie voor licht. ZESS is al 20 jaar werken met lichtontwerpers en architecten om maatwerk te ontwikkelen armaturen van de hoogste technische standaard, die indruk maken met hun stijl en esthetiek. Er is altijd maar één doel: de grenzen van het technisch haalbare, waardoor visionaire ontwerpen mogelijk worden. We kunnen deze uitdaging aan omdat onze medewerkers in ons ontwerp laboratoria en productie- en verkooplocaties over de hele wereld leveren goede prestatie. Ter plaatse zijn voor onze klanten is essentieel voor wederzijds succes. Dankzij organisatorische efficiëntie en hoge in-house productiediepte, kunnen we onze reactie afstemmen op de behoeften van: onze klanten en breiden onze bestaande productportfolio continu uit. Het aangaan van schijnbaar onmogelijke uitdagingen is onze dagelijkse motivatie en inspiratie. We presenteren het resultaat van een van deze baanbrekende projecten op onze cover. Van nieuw concept tot armatuurinnovatie: een pad ontstaan door het overschrijden van grenzen.



JKS Future Arts Center, Shanghai China
Architectural and Lighting Project: Atelier Frederic Rolland
Shanghai Construction Design & Research Institute Co.,LTD
Photo: Seth Powers

Lenses

Wide variety of lenses are carefully chosen to help luminaire to control its light leakage or less pollute the illuminated area, we chose the best quality polymers & lens mould from the most experienced manufacturers around the world for ZESS products.



Diffused 100° Spot 10° Restricted Narrow 30° Nominal Wide 60° Elliptic Asymmetrical

71700
Prick
All Purpose



600lm to 1100lm | IP20

Prick sets standards in terms of visual comfort, efficiency and quality of light for recessed luminaires. The high-efficiency product family consists of downlights, lens wallwashers and directional spotlights in round and square designs. Characteristic of Prick downlights and lens wallwashers is their good glare control and high uniformity of illumination. The 90° beam angle and a 40° cut-off allow wide luminaire spacing between downlights and therefore high-quality, efficient ambient lighting. Tunable white technology also enables the colour temperature of the light to be modified.

70300
Platz
Outstanding Linear



300lm to 850lm | IP20

Platz series comes with trim and trim less designed for flush-mounting installation in suspended plasterboard ceilings, down lights comes in five power variants that with a black or white trim or trim-less optional for specific wall grazing and general area spot lighting requirement. Platz comes with Anti glare baffle UGR<19% , with appropriate symmetrical & wall washing beam for both commercial & residential use, aluminum diffuser & body. Controlled 30 degree cut off angle . Aesthetically attractive luminaire of its kind.

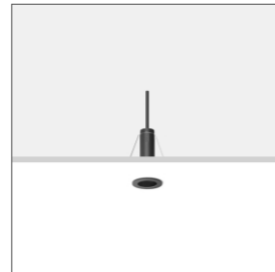
70600
Ethea
Effective & Attractive



300lm to 800lm | IP20

Minimalism, functionality and versatility are the key terms to describe this extensive collection. Ethea was designed to meet multiple lighting requirements, an ideal solution for accent lighting in residential or commercial spaces. The range features low to high lumen packages, narrow to wide beam options, recessed to surface mounted and track applications, different color finishes and combinations, and can be equipped with multiple light refining accessories. The recessed version of Ethea features Ex-centric Rotation System (ERS), allowing the user to move Ethea in a very dynamic and fluid way, with no sight into the ceiling regardless of position.

70200
Mikro
Tiny & Sleek



85lm to 145lm | IP20

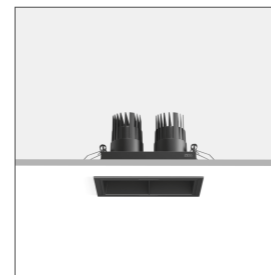
The miniature light as the name shows is a unique light for ambiance creation. Low voltage operation with array of lights connected to a single power source, extremely eye-friendly. The product range is designed for continuous low glare lighting effect through out day and night.





Indoor | architectural luminaires

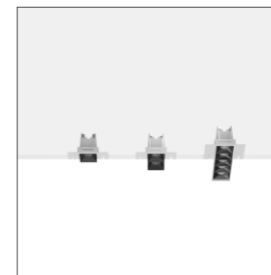
70700
Grott
Multiple Spot



644lm to 2826lm | IP20

The GROT series comes with single, double and triple spot and wide degree option, aesthetically beautiful with efficiency and high CRI options including a low to high lumen package with minimal luminaire dimensions makes grot a versatile applicable luminaire which allows a uniform look throughout all spaces of your project, be it a hotel, restaurant or home. Grot is rated UGR<19% with symmetrical outputs Grot comes in six rectangular dimensions with six lumen packages.

70600
Platz
Outstanding Linear



300lm to 850lm | IP20

Platz series comes with trim and trim less designed for flush-mounting installation in suspended plasterboard ceilings, down lights comes in five power variants that with a black or white trim or trim-less optional for specific wall grazing and general area spot lighting requirement. Platz comes with Anti glare baffle UGR<19%, with appropriate symmetrical & wall washing beam for both commercial & residential use, aluminum diffuser & body. Controlled 30 degree cut off angle. Aesthetically attractive luminaire of its kind.

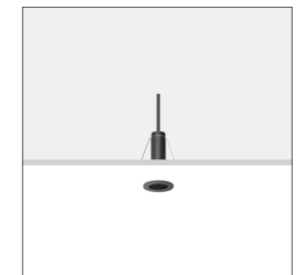
72000
Tapeled
Flexible led strips



350lm to 1600 lm | IP20

Most usable led strip lights with dimming options. seamless design, minimum cuttable lengths and high lumen outputs. Tapeled luminaires can be installed in aluminum profiles, custom made grooves and suspended ceiling covers for ambient lighting.

Mikro
Tiny & Sleek

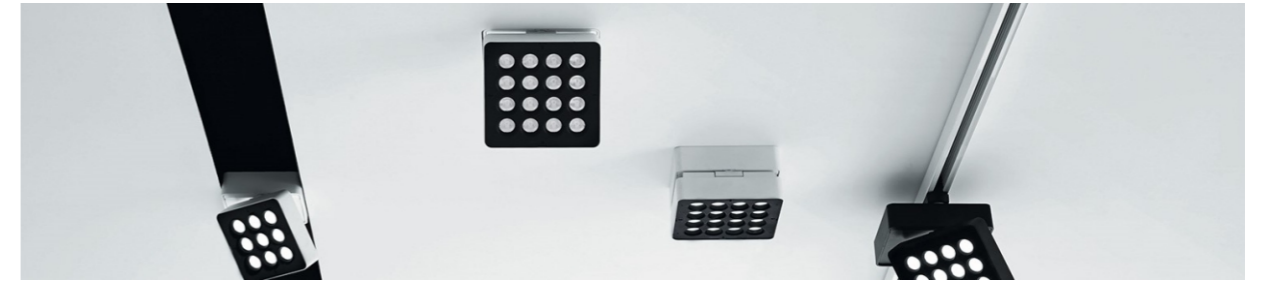


85lm to 145lm | IP20

The miniature light as the name shows is a unique light for ambient creation. Low voltage operation with array of lights connected to a single power source, extremely eye-friendly. The product range is designed for continuous low glare lighting effect through out day and night.



Indoor | architectural luminaires



03500
eSpy
Retail solution



800lm to 3700 lm | IP20

The most efficient track luminaire for retail & commercial lighting, the eSpy is built with die-cast aero grade aluminum to sink maximum heat ensuring the product reliability and longer working life even after 24/7 use. The luminaire exhibits 100lm/w even at color rendering index of 90.

78100
Flink
Outstanding



800lm to 4400 lm | IP20

Specially designed to withstand long continuous running power with efficiency and exhibiting longer life for retail and commercial usage in mind, the flink is designed to produce exception lumen output and higher range of flux as typical required by large commercial spaces and stores.

03200
Quadrat
Effective & Attractive



2100lm to 3300 lm | IP20

System of luminaires for interiors, born of the specific requirement to offer high performance optics with an optical compartment thickness of just 40mm, Quadrat is a further result of Zess's collaboration with leading German lighting designers. The system enables the fixture mounting to adapt to the specific requirements of the project, with semi-recessed, track, surface and wall mounting options.

70200
Carre
Essential and Standing



900lm to 4140 lm | IP20

The versatility of Carre as a separate, flat surface-mounted luminaire are basic deep cup designed surface down light with Anti glare baffle UGR<19% , with appropriate symmetrical nominal degree beam for both commercial & residential use . Aesthetically Universal design with varieties of colour in baffle & body for architectural aesthetics.

1 | **zGraze**
Linear wall washers



1650m to 6900 lm | IP65

zGraze series offers a wide range of linear luminaires for exterior and interior seamless illumination. Offers a wide variety of Monochromatic and DMX controlled multi color RGBW colour options. Comes with built-in serial connection for power and control cables. Fitted with ZESS opti-curve lens technology to maximize equal horizontal and vertical illumination

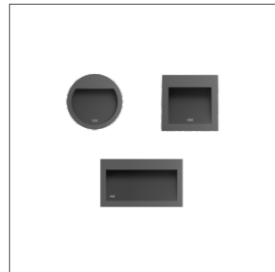
2 | **Erde**
Flexible & Robust



220lm to 2200lm | IP67

Erde offers most reliable yet flexible solution for drive-over ground recessed uplights, with the latest LED with less heat generation the efficacy is escalated upto 110 lumens per watt . Erde now offers an internal tilt angle of 15 degrees in various beams making erde the most flexible uplight . The deep tilttable led base make the luminaire anti-glare and UGR <19.

3 | **Tred**
Minimalist Recessed



190lm | IP65

Tred is a combinational step or wall recessed luminaire for general indoor or outdoor requirement. Complete die cast body with power led strip array to provide smooth & purposeful lighting for steps, planters and peripheral walls. The Tred comes in round, square & rectangular shape as per structural aesthetic requirements.

4 | **Skot**
Outdoor essential



180lm to 827lm | IP65

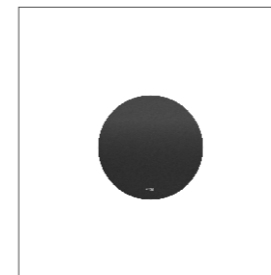
Simple outdoor spot luminaire comes with spike and surface base, thousand of installation location and possibilities to accentuate gardens and general outdoor areas. Skott comes in three wattage ranges covering small to large scale plantation. Double coated pre chromaztised power coat retains aluminium surface for long term run.





Outdoor | weather proof luminaires

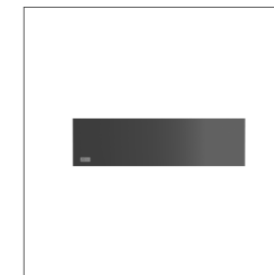
5 | **Sprei**
Flexible Et Robust



60m | IP65

Wall luminaires with 360 degree light distribution that accent wall surfaces at low ambient brightness. Cost-effective luminaires with which a multitude of design variations and numerous light graphics can be realised. For striking wall lighting with low ambient brightness in private areas.

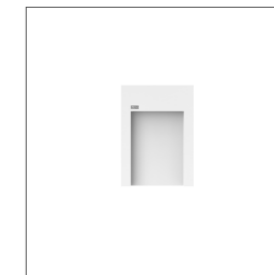
6 | **Guce**
Laser Sharp



550lm - 1250lm | IP65

Featuring timeless design and equipped with reflectors for extraordinary light effects, Guce is a classic in the Zess collection. This attractive family has fixtures for indoor as well as outdoor lighting and comes in different colours. The Guce is equipped with a LED cluster protected by a glued prismatic glass, resulting in an IP65 fixture with diffused light effect, making it suitable for both wet areas and outdoor use.

7 | **Locke**
Slimmest Et versatile



190lm | IP65

A non-recessed wall installation, with minimum height of 13mm LOCKE represents a new concept of outdoor wall light fitting, assuring warmth and emotion. Eco sustainability, absence of glare and visual comfort makes LOCKE an extremely contemporary light fitting. The ongoing research allowed to enclose the most modern technology in the minimal thickness of 1.3 cm paving the way for a new generation of products. LOCKE fulfills the same function of a recessed fitting but it doesn't require a housing in the wall. Highlight output and uniform distribution have defined the success of this versatile and stylish range of product.

8 | **Plas**
Submerged

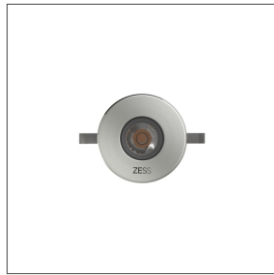


190lm | IP65

The Plas is underwater luminaire with Ip68 capability for ponds, fountains Et any desired water bodies. Low voltage operation with variety of beams to illuminate underwater surfaces.

The Luminaire is rated as Ip68 with class III safety to ensure its robustness through out the lifespan .

9 | **Erde Mini**
Miniature Floor Recessed



90lm to 210lm | IP67

Miniature floor recessed luminaires for interior and exterior illumination. Stainless steel trim with scratch resistant glass for walk-over protection fitted with single high powered led to emit soft ghosting free illumination. Erde mini also comes with dimming functionality and honeycomb reflector.

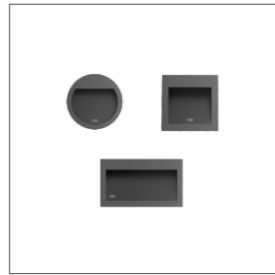
10 | **Flut**
Architectural Flood



4245lm to 18000lm | IP66

Flut Series is the most powerful yet economical solution for facade lighting. Flut offers powerful light spectrum with most versatile selection of luminaires with low to higher power range and a wide selection of controlled beams. The Flut series can produce upto 24000 lumens in control beam.

3 | **Tred**
Minimalist Recessed



Tred is a combinational step or wall recessed luminaire for general indoor or outdoor requirement. Complete die cast body with power led strip array to provide smooth & purposeful lighting for steps, plants and peripheral walls. The Tred comes in round, square & rectangular shape as per design requirements.



