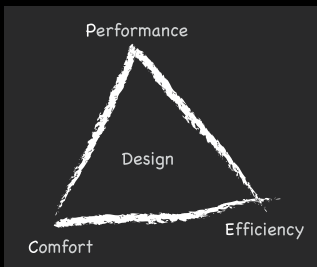
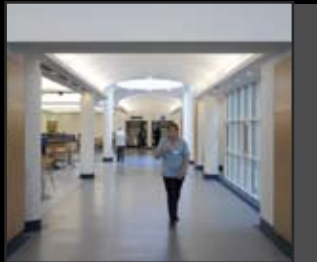


THORN



Product **Focus**
[September 2007]





© Christian Désile,
Lighting Design: Yon Anton Olano

Lighting people and places

Thorn Lighting's mission is to improve quality of life by providing the best quality lighting for people's work, leisure, education, healthcare and travel in and around our countryside, cities, buildings and monuments.

We provide ergonomic, efficient, functional and lasting products using innovative materials, optics, lamps and gear, designed to help people to fulfil all their visual tasks. Recently introduced products from the following areas are featured here:

- Recessed, surface and suspended fluorescent lighting
- Emergency luminaires and controls
- Indoor lighting controls
- Spotlights and downlights
- Decorative wall and pendant luminaires
- Waterproof luminaires
- Industrial lighting
- Road lighting and outdoor lighting controls
- Urban amenity lighting

All our products reflect our commitment to Performance, Efficiency and Comfort – the programme which provides the framework for us to deliver efficient and reliable lighting concepts contributing to a healthy and comfortable environment.



Orus

A unique road lighting luminaire with an innovative Flat Beam™ optical system allowing it to be mounted on short poles at only 0.9m high! Ideal for lighting roads on bridges, near airports and those facing extreme weather conditions or obtrusive light concerns. Orus offers road users the best visual effectiveness.





Oracle

Few aluminium lanterns can combine such a high degree of advanced performance and modern styling as the Oracle. It's precision optics deliver better lighting to the designer, the road user and to local residents. Whether it's a major traffic route or minor street Oracle offers minimised installation and maintenance costs and maximised energy savings. Oracle also offers standard variants equipped with Telea system allowing remote control and monitoring.





Dyana

Designed with a landscape architect's eye for line, contour and colour, Dyana is an urban lantern that combines style with advanced and practical performance. The slim section lantern, in aluminium and finished in cool, textured grey, is set to add positive design to the modern environment by day – and warm, friendly light by night.

Dyana's optical secret lies in its separate Optiblock® lamp compartment which, sealed to IP66, prevents ingress of dust, moisture and insects. Suitable for tubular metal halide (including CosmoWhite) or high pressure sodium lamps, from 60W to

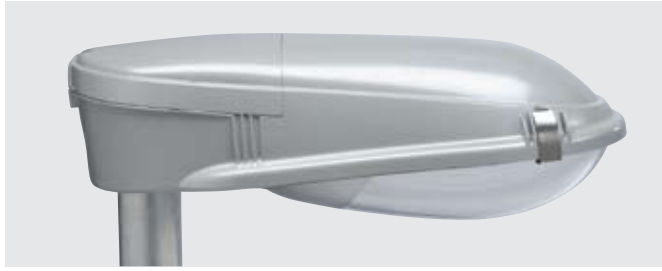
250W, the unit provides improved visibility without glare. Integrated electronic gear and dimmable options provide further energy saving opportunities.

The flat glass lantern is ideally suited for mounting onto columns 5-10m high for illuminating high-density housing areas, walkways, roads and amenity spaces. Available in post-top, side mounting and can also be mounted onto one of the complementary brackets enabling a deeper, wider design statement to be made.



Celest

Cool, ultra-modern with crisp, clean lines, the new Celest street lighting lantern doesn't lose sight of performance. A high efficiency 36-80W TC-L compact fluorescent lamp, rather than a typical discharge light source, is fitted to give maximum light output with excellent colour rendering ($Ra > 80$). Made from aluminium and sealed to IP66, its shallow enclosure and precision engineered mirror optics deliver optimal photometric performance with minimal upward light.



Civic

The new Civic aluminium road lantern is a highly practical solution where sustainability and energy saving is of essence but also where easy installation and maintenance is of importance. Ideal for both major traffic routes and urban settings, Civic includes electronic versions with inbuilt Telea lighting controls, enabling municipalities to reduce energy consumption and manage individual lighting zones. Tool-free access ensures fast and safe maintenance, and installation is achieved 'straight from the box'. With double IP66 compliance, vandal-proof options, light weight and low windage, Civic is the right choice for so many applications.





Telea

Flexible lighting control and monitoring are the two central tasks of this innovative lighting controls system, which provides both increased safety and cost savings at unrivalled costs of ownership in existing as well as new lighting installations. Utilising either Power Line or Radio Frequency data transmission, it is the ideal communication-capable outdoor lighting management system.

Thanks to an intuitive web-based navigation, the Central Management server allows remote management of individual light points to be performed in the simplest possible way. State of the art controls are best applied to the cutting-edge optical design of Thorn luminaires just as in the new Oracle street lantern.



Milo

For all its compact size, the slim Milo exterior LED projector packs a punch. With a small-diameter, lens-type aperture, the patented optics allow manual shaping of the beam from 10 to 24 degrees with very little light spill. A gobo holder also enables the projection of literal images, logos, breakups and textures. IP65 rated, the Milo takes a 2.4W LED in white (5500K), red, blue, green or yellow.

IP68 Milo S (submersible) is also available with intensive and extensive light beam.

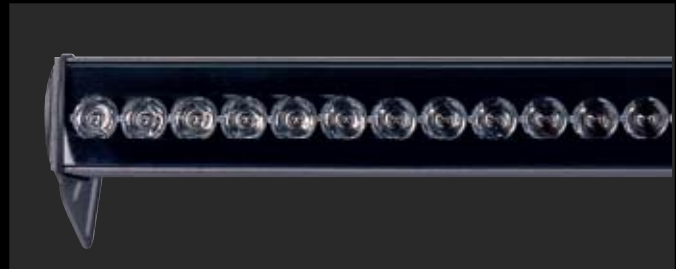




LED Plane

Plane is a luminaire for ground and wall recessed lighting guidance and signaling. With its unique modular concept and range of colour options, Plane utilises the latest LED technology to provide a large variety of single plane dimensions with superbly uniform illumination, and exceptionally low energy consumption.





Band Extensive

Band Extensive is a one metre linear fitting for ground recessed guidance lighting and façade applications. With its unique optical reflector system and range of colour options, Band Extensive utilises the LED technology to provide superb uniform broad band illumination, with no flame effect and exceptionally low energy consumption.

Band Intensive

With more and more designers wishing to utilise colour to set the tone of a façade ...and with users seeking to reduce power consumption and maintenance... the introduction of Band Intensive could hardly be more timely. The slim, 800mm line of 36 high power LED's creates a concentrated and uniform beam over 10 metres (minimum). The choice of five fixed saturated colours is complemented by RGB/RGBA mixing.



Promenade LED

A optical system that optimises the output from 15 high powered white LEDs enables this stylish bollard and parapet luminaire to efficiently light pathways and pedestrian areas. Coloured LEDs in the luminaire top create exciting lighting effects while allowing the possibility for visual guidance or the use of colour to emphasise corporate architecture and unique urban identities. Dynamic RGB colour changing version also available.

E/Fact LED

E/Fact LED is a ground recessed luminaire for guidance and accent lighting design. The choice of the front glass (frosted or clear), the frame finish (stainless steel or painted aluminium), the frame shape (round or square), the domed version (1, 2 or 4 windows), the 'uniform' or the 'dotted' pattern of the LEDs and 5 fixed monochromatic LED colours (white, blue, green, red and yellow) allows a wide range of fittings.







Force Range

Wherever water, dust, and electrical lighting are combined, and especially in the presence of certain chemical vapours or atmospheric conditions, dependable 'proof' lighting is essential. And that's why Thorn has introduced a completely new range of general purpose proof fluorescent luminaires - the Force series. Five models are available: ImpactForce, CorrosionForce, ColdForce, HeatForce and StormForce. Chosen for safety and chosen for dependability, they provide highly effective lighting in the most hostile of environments.



Concavia

The innovative Concavia high bay luminaire family ensures choice and flexibility in commercial and industrial applications. It is available in three sizes - Small, Large and Extra Large - in a wide range of efficient lamp types and wattage combinations.

Concavia offers a pre-installed mains cable with tool free attachments, saving time and cost during installation or maintenance.





Invincible II

Few recessed fully sealed to IP65 (below) IP54 (above) cleanroom luminaires combine contemporary styling with such an advanced performance. It's all down to precision optics. There is a choice of louvre or prismatic light distributions.

A low profile frame with toughened safety glass ensures quick and easy cleaning.

Access is straightforward via a dedicated suction cup. A self regulating breather allows the luminaire to stay clean through air pressure equalisation. It is these features that make Invincible II the perfect solution for healthcare and industrial cleanrooms.





Primata II

The new Primata II pre-wired trunking is a tried and tested solution. It has been improved so that it's quick and easy to install, flexible and guarantees cost saving.

The range is available with up to 9 poles for mains power supply, dimming and emergency operation. Then there's a new IP60 industrial optic, plus angle connectors and modules that come with a presence detector or 3-circuit track for spotlights.

A choice of T16 or T26 lamps gives maximum lighting performance.



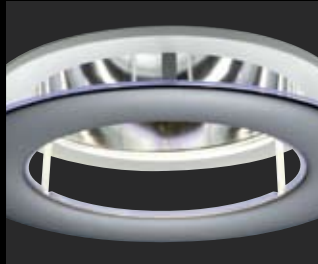


Graffiti

Graffiti spotlights can switch instantly from a tight focus to flood width. All that's needed is a quick turn of the rear assembly. Using flexible optics, they deliver stepless beam angle adjustments of between 10-35 degrees or 25-55 degrees. Using the latest halogen, metal halide and white SON lamps in wattages from 50W to 150W, the collection includes mains and low voltage fittings. Surface or track mounted, they have an individual dimmer option, plus a remarkable range of attachments.

Cruz

The Cruz range of downlights provides what is probably the most comprehensive and flexible collection of its kind ever offered to architects, specifiers and designers. All the best features of the previous Thorn fittings of this type have been combined: die cast housings, good looks and high performance optics - from spots to wallwashers. Cruz is made up of five different sized units using the latest CFL and HID lamps (from 18W to 150W) and is much simpler than ever before to install. Attachments vary from functional louvres, IP44 glasses and emergency signs to decorative drop glasses shaped like an hourglass or a trumpet





Glacier II

A cool, ultra-modern, decorative pendant with advanced optics. Available in two sizes, with a wide choice of reflectors and lamp types (from 26W compact fluorescent to 150W ceramic metal halide) it delivers performance, efficiency and comfort wherever it is used. The Glacier II is more visually pleasing than its predecessor: note the elegant cone styling, clean colours, new gear housing and improved suspension. The look is classic and discreet and the styling simple and pure to blend with most interiors.



MenloSoft SR

Combining the benefits of a recessed luminaire with a slim suspended optic, MenloSoft SR blends upward and downward light for a simple, attractive solution to perfectly balanced office lighting. The sleek floating optic effectively illuminates task areas, walls and ceilings with just one luminaire type that lays easily into ceiling grids. The result is a vibrant, comfortable working environment with minimal lighting scheme complexity.

As the elegant design compliments our MenloSoft range schemes can be coordinated throughout the building.





Jupiter II

The Jupiter II fluorescent brings a visually striking, ultra-modern design feature to commercial and educational premises. And it has performance as well as sleek good looks - high efficiency single or twin T16 lamps, from 14W to 80W, high performance specular or satin louvres, or opal diffuser optics and an asymmetric option. Whether surface or suspended (direct/indirect), the luminaires can be mounted singly or in continuous lines or squares.





Sienna

New suspended family of fluorescents with outstanding light performance in a futuristic design. Sienna offers both up and down light, which enhances the lit office environment to provide comfortable lighting at the workplace. The combination of an extruded aluminium body, miniaturised Miro louvres and Sensa controls make Sienna the intelligent choice for balanced office lighting, and EN 12464 compliance.

Loire, Danube, Thames and Amazon

A collection of four contemporary luminaire ranges for wall and ceiling mounting. Each member of the range satisfies the increasing demand for secondary lighting systems to provide visual relief. The distinctive product designs add a modern touch and enhance the lit environment. All these luminaires incorporate the Quick Fit Bracket that is not only appreciated by installers but adds flexibility to quickly swap over and exchange luminaires.





Piazza II

If you're looking for exterior wall lights that deliver security, surround and accent illumination with a touch of style, then look no further than Piazza II.

The Piazza II retains its reputation for toughness, while gaining improved optics, better looks and a smaller version. There are two semi-cylindrical body shapes and sizes - the large lantern with prismatic or opal diffuser for commercial and industrial applications, including car parks, and the smaller with opal diffuser, intended for more residential premises.





Voyager Elite

With its distinctive oval shape, the Voyager Elite is a leap forward in the design of emergency lighting but doesn't lose sight of performance. An 11W TC-SEL lamp gives out twice the light of a typical 8W lamp, which means fewer fittings are required to deliver the correct lighting levels. Cathode heating prolongs lamp life for lower through life maintenance costs. The highly versatile range covers bulkheads (IP65, surface mounted or semi-recessed) and fully recessed units (with or without exit sign blades), plus a hanging sign version that can be adapted to wall mount. A complimentary addressable testing system, Explorer Project, enables fully automatic monitoring, testing and fault logging.



ELC

Emergency lighting is vital to provide sufficient light for a safe exit from a building where the normal lighting has failed. Luminaires are offered to provide Escape Route lighting, including exit signage and can be more widely spaced to provide Anti-panic lighting in Open Areas (in accordance with the European directives). There are even IP65 versions for outdoor use.

All of our emergency luminaires are available as Explorer SelfTest. With this system, luminaires commission themselves and automatically perform the testing. The green 'healthy' LED shows compliance.

Hardly any record keeping is required, only that the building has been walked through monthly and if any LED's show red then they need maintenance.

Choose the addressable Explorer Project (for small and medium sized installations... up to 256 luminaires) or Explorer Vision, which 'talks' over your computer network to your web of explorer Projects, for larger projects... up to 5000 emergency luminaires. These systems communicate with the luminaires and can even send a SMS text message or e-mail to the maintainer, requesting service.





Sensa - Indoor Lighting Controls

Indoor Lighting Controls create complete and comfortable lighting solutions. **Sensa**, our user-focused and practical Indoor Lighting Controls system, consists of three ranges:

1. **SensaLite** features Thorn luminaires with built-in sensors, offering presence detection, daylight linking and infra-red control. Luminaires with Sensa Lite are the first step to comfort and energy saving - just plug, play and save!
2. **ControliteDIM** is the perfect solution for medium projects and consists of modules for creating light scenes, enabling daylight linking, integrating presence detection and switches. Just take the components for the features you need and connect them to your luminaires - you will like the ease of commissioning and the results.

3. **SensaAdvanced** is our offer for large projects and those requiring greater levels of comfort while including up-to-date features, e.g. the integration of blinds, screens and room partitions, different user interfaces like touch panels, wall units or software, daylight-linking, presence detection, room scenes, time management and dynamic light algorithms. All the tools you need to make light work.



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www.thornlighting.com