

## **DIME – AT ITS BEST.**

FOR LED LIGHTING THAT REMAINS  
UNDER YOUR CONTROL.



# LIGHT WHERE YOU WANT IT, AND HOW YOU WANT IT – **DIME.**

WITH DIME REGENT IS WRITING LIGHTING HISTORY. THEY HAVE SUCCEEDED IN COMBINING **PLANAR LIGHTING AND FOCUSED LIGHT IN ONE LIGHT SOURCE**, RESULTING IN PERFECT VERTICAL ILLUMINATION AND THE UNIQUE AMBIENCE DESIGNERS STRIVE TO ACHIEVE.

It is our goal to support you in your design work and how you apply light, which is why we have adopted a completely new approach with the new Dime luminaire. Dime is the first luminaire from Regent to exploit the technical potential of the LED to the full. The uncompromising application of this future-oriented technology is not only reflected in the design of the luminaire, but also in its impressive efficiency and lighting quality ratings.





"OUR TEAM  
HAS REDISCOVERED  
THE LIGHT."

KORNELIUS REUTTER,  
DESIGN & INNOVATION PROJECT MANAGER  
REGENT LIGHTING

# FIRST-CLASS LIGHTING QUALITY NEEDS TO HAVE DEVELOPED FROM **A FIRST-CLASS IDEA.**

DIME IS DESIGNED TO LEND ANY SPACE A NEW LOOK AND FEEL. THIS IS CRITICAL FOR USERS OF THE SPACE: BECAUSE **FIRST-CLASS LIGHTING QUALITY INCREASES OUR FEELING OF WELL-BEING AND SENSE OF SPACE.**

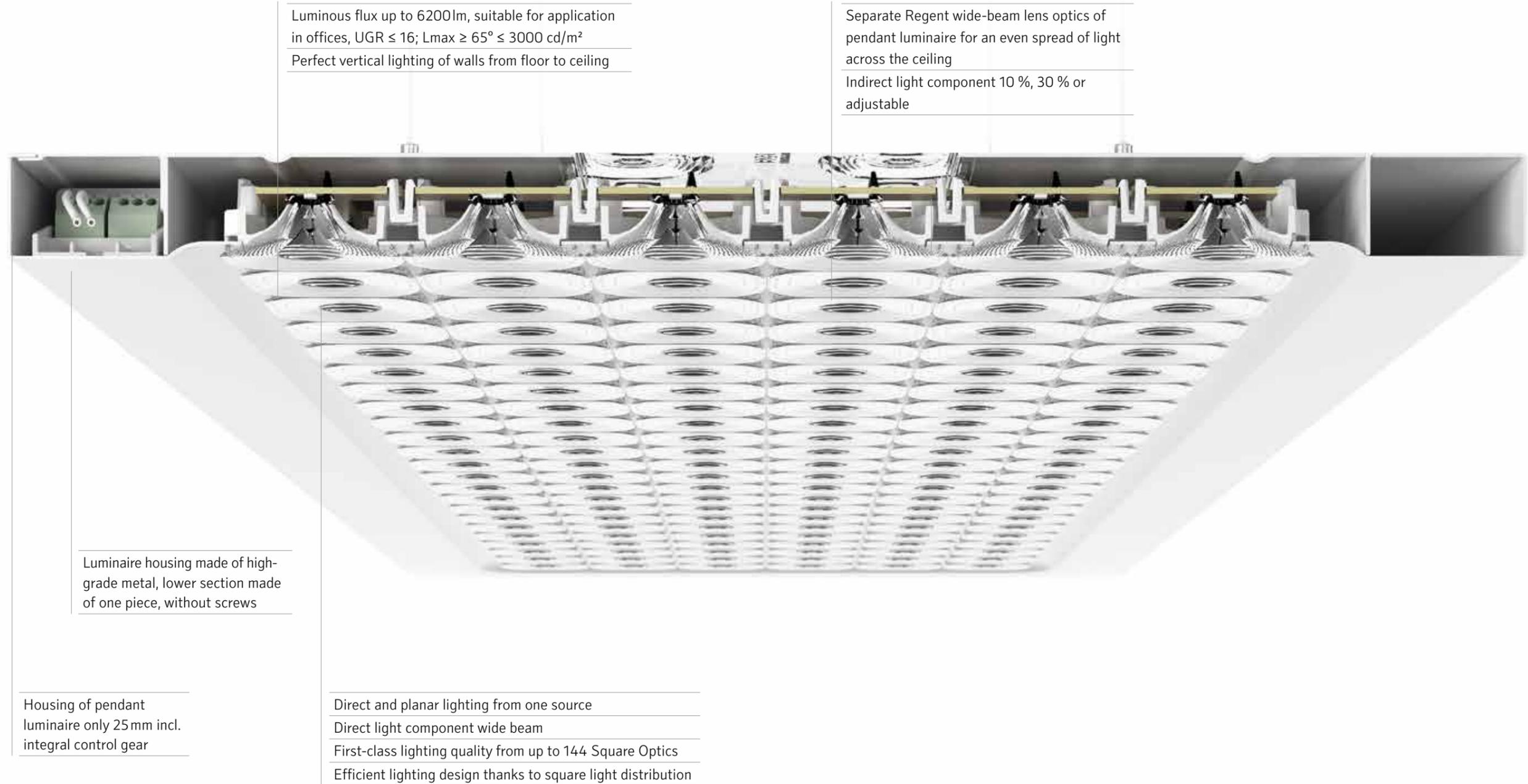


The design of the Dime is definitely unusual. What is even more unusual is the quality of the light the luminaire delivers. No disturbing scallops across the wall surfaces. No multiple shadows on the working plane. No overlap of luminous fields on the walls. Instead of shadows, what the user of the space perceives is a perfectly illuminated space. Shadow formation is not only minimised thanks to the innovative Square Optics\* technology. The pendant version now features special Regent lens optics for wide-beam indirect lighting, thus achieving a perfect spread of light across the ceiling – even when mounted in rows. Office, school or circulation zones – the result is an increased feeling of well-being at the workplace, thus making a measurable difference to the productivity and concentration of every individual employee or student.

\* Patent pending







Luminous flux up to 6200lm, suitable for application in offices, UGR  $\leq 16$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{ cd/m}^2$   
 Perfect vertical lighting of walls from floor to ceiling

Separate Regent wide-beam lens optics of pendant luminaire for an even spread of light across the ceiling  
 Indirect light component 10 %, 30 % or adjustable

Luminaire housing made of high-grade metal, lower section made of one piece, without screws

Housing of pendant luminaire only 25mm incl. integral control gear

Direct and planar lighting from one source  
 Direct light component wide beam  
 First-class lighting quality from up to 144 Square Optics  
 Efficient lighting design thanks to square light distribution

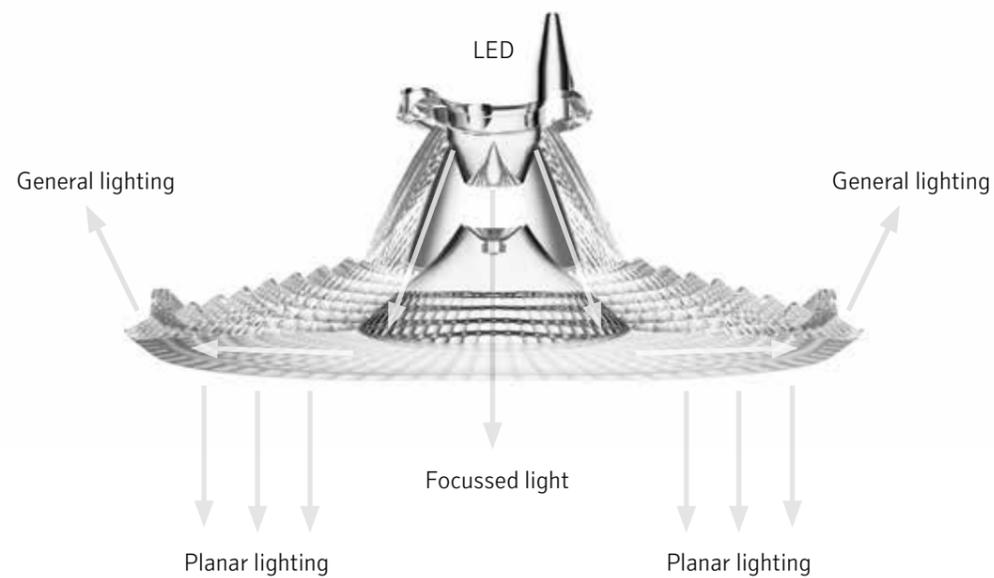
## ENGINEERED TO PERFECTION.

The goals were ambitious. And Dime LED reached them all. Innovative Square Optics deliver excellent lighting quality and clearly defined square light distribution. The sophisticated optical system also impacted the unusual design of the luminaire, enabling the housing to be ultra-flat. High-grade materials such as those used for the metal housing, together with quality workmanship, mean that Dime LED can be truly rated as a quality luminaire. The intelligent interplay of design and technology render Dime the ultimate in ultra-flat lighting fixtures and one of the most efficient LED ceiling and pendant luminaires on the market.

Thanks to the fact that the luminaire design is based on an intelligent, three-layered sandwich-structured composite, the different versions are ultra-flat. Each of the components performs a separate task. The substrate reflects the light and provides pleasant general lighting. The Square Optics overcome any apparent contradictions, and focus and distribute the light effectively. In addition, the pendant version delivers fantastic indirect lighting.

# TO ENABLE YOU TO EXPERIENCE LIGHT IN A COMPLETELY DIFFERENT WAY WE HAVE DEVELOPED **SQUARE OPTICS**.

IN THE COURSE OF THE DESIGN PROCESS THE TEAM BEGAN TO FOCUS MORE ON THE OPTICS. WHAT IS INITIALLY DEEMED TO BE A STYLISTIC ELEMENT, IS ACTUALLY TECHNICALLY CRUCIAL – **THE SPECIALLY DEVELOPED COLLIMATING OPTICS "SQUARE OPTICS"**.



## **SQUARE OPTICS**

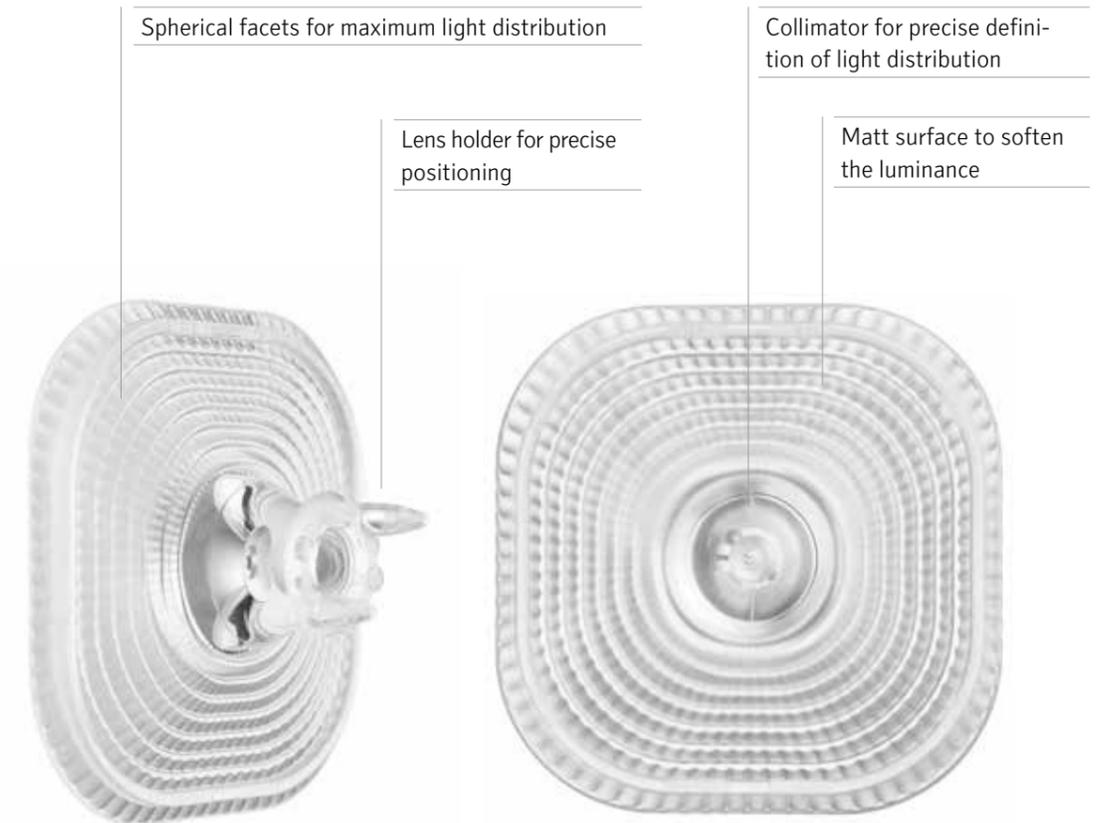
45% focussed light: square light distribution

50% planar lighting: avoidance of multiple shadows, lower illuminance

5% reflected light: general lighting

Square Optics enable light to be focussed where it is needed with the lowest possible light loss. Thanks to the sophisticated optical system light emitted by the light source is radiated in all directions without spill. The result is a combination of planar lighting and directed light. At the same time the composite structure guarantees maximum luminous efficacy at minimum light loss.

The unique square form of the luminaire delivers perfect illumination of vertical surfaces without multiple shadows and square light distribution in line with the standards ( $UGR \leq 19$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{ cd/m}^2$ ). This enables energy-optimised lighting design and at the same time lends the lit space a unique aesthetic. The result – pleasant light, high efficiency and innovative flair.



## **FEATURES**

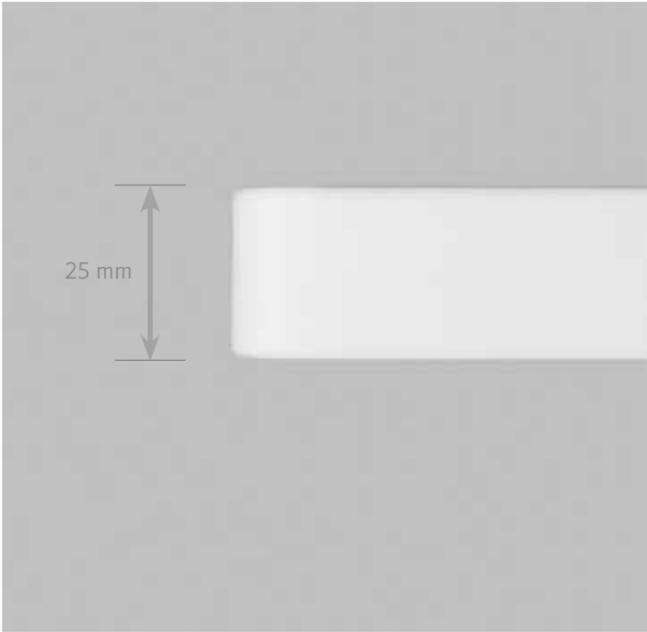
Square light distribution

Multi-directional lighting

Efficiency of up to 124 lm/W

$UGR \leq 19$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{ cd/m}^2$

# ONE LUMINAIRE. **MANY ADVANTAGES.**



**ULTRA-FLAT HOUSING**

All versions of Dime – recessed, surface-mounted and pendant – feature impressive streamlined design. With the height of the housing at a mere 25mm – including integral control gear – Dime is recognised as one of the most streamlined pendant luminaires on the market. The height of the housing of the surface-mounted version is just 25mm plus the spacing between the luminaire and the ceiling (11mm) and, combined with its streamlined design, is also strikingly unique. So flat that visually speaking recessed mounting is not necessary. In addition, the recessed version of Dime is designed to replace ceiling luminaires in existing ceiling systems.

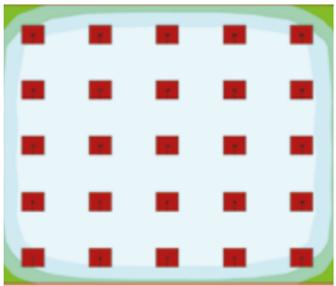
- Designed to replace ceiling luminaires in existing standard ceiling systems
- Integral control gear
- Height of pendant luminaire: 25 mm
- Height of surface-mounted version: 36 mm
- Height of recessed version: 55 mm

**FOCUSSED LIGHT AND PLANAR LIGHTING IN ONE FIXTURE**

Each of the light-emitting diodes is fitted with its own optics to allow precise control of the light. Square Optics focus the light emitted by the 144 diodes to create a direct light component that features excellent efficiency and outstanding light quality. The spherical facets incorporated into the canopy deliver visible planar lighting to the space. The result: low light pressure, no multiple shadows on the working plane and reduced contrast glare.

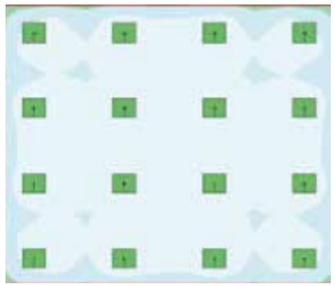
- Square Optics for every individual LED
- Focussed light thanks to precise control of the light
- Spherical facets for maximum light distribution
- Uniform illumination without shadows for open plan offices, meeting rooms and circulation zones
- Chromaticity tolerance (SDCM 2)

Louvre luminaire



Average illuminance on working plane [lx]

Dime



Average illuminance on working plane [lx]

**THE EASY WAY TO DESIGN PERFECT LIGHTING**

What we are talking about here is a next generation lighting solution. The overlapping of luminous fields is reduced considerably, with the result that every realised solution gains when it comes to uniformity and efficiency. Any space can be perfectly illuminated using fewer luminaires, which naturally affects investment and operating costs significantly.

The strengths of the Dime with its square light distribution are revealed even before the luminaire is put into operation. This luminaire is also revolutionising lighting design.

The days when luminaires ultimately gave rise to multiple shadows and luminous fields that overlap are over. Vertical surfaces can now be illuminated in a few easy steps. Efficient, purposefully designed lighting is now achievable.

- Practically square light distribution thanks to Square Optics
- Avoidance of multiple shadows and fewer luminous fields that overlap mean enhanced efficiency and uniform illumination
- Initial investment and operating costs are reduced because fewer luminaires are required
- Suitable for application in offices, UGR ≤ 19; Lmax ≥ 65° ≤ 3000 cd/m² (ceiling luminaire), UGR ≤ 16; Lmax ≥ 65° ≤ 3000 cd/m² (pendant luminaire)

# TRUST IS GOOD. **BUT NOTHING BEATS COMPARISON.**

**DIME WAS SPECIFICALLY DESIGNED AS A CEILING LUMINAIRE BUILT AROUND LIGHT-EMITTING DIODES. IT THEREFORE ALWAYS PERFORMS BETTER IN COMPARISON WITH CONVENTIONAL CEILING LUMINAIRES.**

USING FEWER LUMINAIRES AND LESS POWER DIME DELIVERS EXTREMELY UNIFORM ILLUMINATION OF VERTICAL SURFACES.

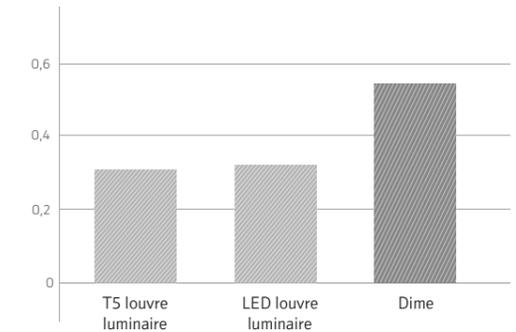
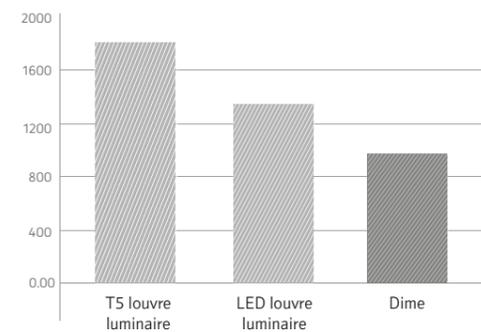


## EFFICIENCY COMPARISON

project	open plan office
dimensions	20 x 10 x 2.7m
reflectance factors	0.7/0.5/0.3

	T5 louvre luminaire	LED louvre luminaire	Dime
Luminous flux of luminaire [lm]	3984	4150	4600
Connected load per luminaire [W]	60	47	43
Number of LEDs			144
Luminous efficacy [lm/W]	66	88	<b>107</b>
Number of luminaires	30	28	<b>24</b>
Total connected load [W]	1800	1316	<b>1032</b>
Glare evaluation UGR	≤ 19	≤ 19	≤ 19
Average illuminance E <sub>m</sub> [lux]	521	497	505
Uniformity E <sub>min</sub> /E <sub>medium</sub>	0,67	0,67	0,64
Average illuminance, wall E <sub>m</sub> [lux]	203	198	185
Uniformity, wall U <sub>o</sub>	0.31	0.32	<b>0.54</b>

**20%**  
fewer  
luminaires



It is difficult to depict all the advantages of these unique luminaires graphically. But proven facts and figures point to the truth. The perfect vertical illumination provided by Dime luminaires enhances the users' feeling of well-being, and thus also their productivity, more than luminaires that are not engineered to produce square light distribution. An even spread of light without multiple shadows makes for optimum ambience whatever the space.

Light-coloured walls and ceilings make for a positive room climate – a fact that is underscored by the EN12464 standard and backed by Dime.

# IMPRESSIVE LIGHT. IMPRESSIVELY SIMPLE TO INSTALL.

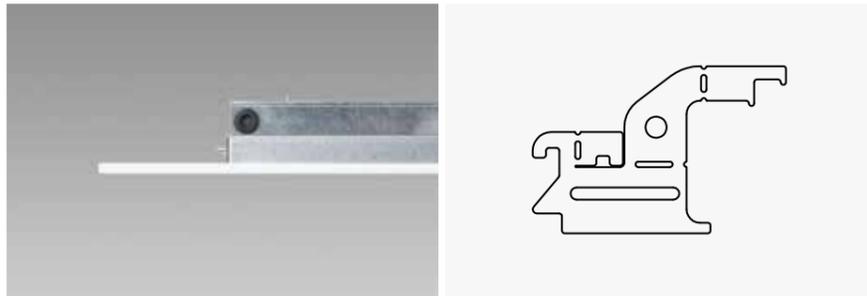
WHETHER YOU HAVE OPTED FOR THE RECESSED, CEILING MOUNTED OR PENDANT VERSION, **DIME CAN BE INTEGRATED INTO THE EXISTING ARCHITECTURE WITH EFFORTLESS EASE.** WIRING IS FACILITATED THANKS TO LINECT® COMPATIBILITY.

## RECESSED CEILING

Dime can be inserted in standard modular concealed grid ceiling systems.

Using a supplementary mounting kit, the recessed luminaire can be integrated into the majority of ceiling systems with no concealed grid.

Can be adapted to other systems on request.



Suitable ceiling systems (allow for edge details on the ceiling panel)



## CEILING MOUNTED

Just a few steps are needed to mount it on the ceiling:

Fix the mounting plate into position, attach luminaire (waiting position), wire up, clip the luminaire into place on the mounting plate



# TECHNICAL INFORMATION.



## RECESSED CEILING LUMINAIRE DIME

Recessed LED luminaire Dime for office application with Square Optics lens technology, up to 43W, dimmable and controllable with DALI, luminaire efficiency up to 112lm/W

Square Optics light control, which achieves a (on  $\gamma$ -levels) square-shaped light distribution with both a directed component in order to fulfill the required glare control ( $UGR \leq 19$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{cd/m}^2$ ), as well as a diffuse component for a uniform and shadow-free illumination of vertical room surfaces for a balanced luminance distribution (in order to avoid the so called "the cave effect"); furthermore, Square Optics enable the expansion of the luminaire spacing, and hence reduces the number of required luminaires (still ensuring a horizontal illuminance uniformity that complies with the lighting standards)

Up to 144 LED point sources to avoid disturbing multiple shadows on the working plane

Innovative product design with extra-flat housing height (25 mm + 30mm operating unit)

High-quality white powder-coated metal housing, lower section made of one piece, highly stable

Without visible screws

Recessed ceiling

Luminous flux of luminaire up to 4600 lm

Colour temperature 4000 K or 3000 K

Colour rendering index CRI  $\geq 80$

Colour consistency SDCM 2

Very high LED lifespan, L80 50,000 h

Square Optics in light-proof PMMA

Halogen-free back plate and halogen-free internal wiring

Compatible with Linect®

Suitable for emergency lighting (DC-compatible)

Available with emergency unit

Square or rectangular formats

Ceiling modules 312, 600, 625, 1250

Weight: depends on the version of the luminaire

Optional angle set for recess mounting in concealed grid ceilings and other standard ceiling systems

Recessed frame for mounting in ceiling cut-outs

Dimmable digital DALI

Module MINERGIE® – complies with the strict requirements for Minergie-certified luminaires

Photobiological safety: risk group 0, no risk



### CEILING MOUNTED LUMINAIRE DIME

Extra-flat (25 mm visible edge, integrated control gear, total height 36 mm), LED ceiling mounted luminaire Dime for office application with Square Optics lens technology, up to 43W, dimmable and controllable with DALI, luminaire efficiency up to 112lm/W

Square Optics light control, which achieves a (on  $\gamma$ -levels) square-shaped light distribution with both a directed component in order to fulfill the required glare control ( $UGR \leq 19$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{ cd/m}^2$ ), as well as a diffuse component for a uniform and shadow-free illumination of vertical room surfaces for a balanced luminance distribution (in order to avoid the so called "the cave effect"); furthermore, Square Optics enable the expansion of the luminaire spacing, and hence reduces the number of required luminaires (still ensuring a horizontal illuminance uniformity that complies with the lighting standards)

Up to 144 LED point sources to avoid disturbing multiple shadows on the working plane

Innovative product design with extra-flat housing height of 36 mm

Integrated control gear (25 mm visible edge)

High-quality white powder-coated metal housing, lower section made of one piece, highly stable

Without visible screws

Simple and fast to install thanks to mounting plate with waiting position

Luminous flux of luminaire up to 4600 lm

Colour temperature 4000 K or 3000 K

Colour rendering index CRI  $\geq 80$

Colour consistency SDCM 2

Very high LED lifespan, L80 50,000h

Square Optics in light-proof PMMA

Halogen-free back plate and halogen-free internal wiring

Compatible with Linect®

Suitable for emergency lighting (DC-compatible)

Available with emergency unit

Square or rectangular formats

Weight: depends on the version of the luminaire

Recessed frame for mounting in ceiling cut-outs

Dimmable digital DALI

Module MINERGIE® – complies with the strict requirements for Minergie-certified luminaires

Photobiological safety: risk group 0, no risk



### DIME PENDANT LUMINAIRE WITH INDIRECT LIGHT COMPONENT

Ultra-flat (total height of just 25 mm incl. integral control gear) Dime LED pendant luminaire, suitable for application in offices and featuring Square Optics lens technology, up to 52W, can be dimmed and controlled using DALI, luminous efficacy of 124 lm/W

Square Optics light control, which achieves a (on  $\gamma$ -levels) square-shaped light distribution with both a directed component in order to fulfill the required glare control (up to  $UGR \leq 16$ ;  $L_{max} \geq 65^\circ \leq 3000 \text{ cd/m}^2$ ), as well as a diffuse component for a uniform and shadow-free illumination of vertical room surfaces for a balanced luminance distribution (in order to avoid the so called "the cave effect"); furthermore, Square Optics enable the expansion of the luminaire spacing, and hence reduces the number of required luminaires (still ensuring a horizontal illuminance uniformity that complies with the lighting standards)

Direct/indirect light component: 90%/10% or 70%/30% or adjustable

Indirect light component wide-beam

MyLights Remote: can be controlled wirelessly via smartphone

Up to 144 LED point sources to avoid disturbing multiple shadows on the working plane

Innovative product design with extra-flat housing height of 25 mm, integrated control gear

High-quality white powder-coated metal housing, lower section made of one piece, highly stable

Without visible screws

Luminous flux of luminaire up to 6200 lm

Colour temperature 4000 K or 3000 K

Colour rendering index CRI  $\geq 80$

Colour consistency SDCM 2

Very high LED lifespan, L80 50,000 h

Square Optics in light-proof PMMA

Halogen-free PCB and halogen-free internal wiring

Compatible with Linect®

Suitable for emergency lighting (DC-compatible)

Available with emergency unit

Rectangular design

Weight: depends on the version of the luminaire

Recessed frame for mounting in ceiling cut-outs

Dimmable digital DALI

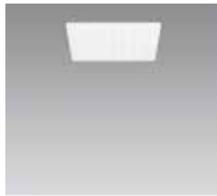
Module MINERGIE® – complies with the strict requirements for Minergie-certified luminaires

Photobiological safety: risk group 0, no risk

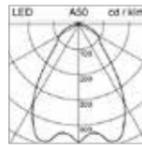
# DIME RANGE.

## RECESSED CEILING

Height: 25 mm + 30 mm control gear  
for ceiling modules 600 and 625

	FORM	LENGTH X WIDTH	POWER
	square	308 x 308 mm	12 W/1250 lm
		308 x 308 mm	18 W/1800 lm
		596 x 596 mm	34 W/3800 lm
	rectangular	596 x 596 mm	43 W/4600 lm
		621 x 621 mm	34 W/3800 lm
		621 x 621 mm	43 W/4600 lm

Exemplary light distribution curve



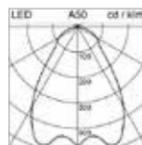
All data refers to **4000 K**.  
All models are also available in **3000 K**.

## CEILING MOUNTED LUMINAIRES

Height: 36 mm

	FORM	LENGTH X WIDTH	POWER
	square	366 x 366 mm	12 W/1250 lm
		366 x 366 mm	18 W/1800 lm
		630 x 630 mm	34 W/3800 lm
	rectangular	630 x 630 mm	43 W/4600 lm
		1158 x 366 mm	34 W/3800 lm
		1158 x 366 mm	43 W/4600 lm

Exemplary light distribution curve



All data refers to **4000 K**.  
All models are also available in **3000 K**.



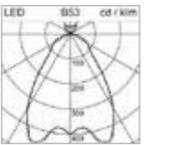
## PENDANT LUMINAIRE

Height: 25 mm

	FORM	LENGTH X WIDTH	POWER
	rectangular	1158 x 366 mm	37 W/4600 lm <sup>1)</sup>
		1158 x 366 mm	51 W/6200 lm <sup>2)</sup>
		with MyLights Remote	52 W/6200 lm

Exemplary light distribution curve

<sup>1)</sup> Direct/Indirect component: 90%/10%  
<sup>2)</sup> Direct/Indirect component: 70%/30%



All data refers to **4000 K**.  
All models are also available in **3000 K**.

# Contact

**Hauptsitz Schweiz** Regent Beleuchtungskörper AG, Dornacherstrasse 390, Postfach 139, CH-4018 Basel, Tel. +41 61 335 51 11, Fax +41 61 335 52 01, info.bs@regent.ch **Bern** Regent Beleuchtungskörper AG, Jupiterstrasse 15, Postfach 170, CH-3000 Bern 15, Tel. +41 31 940 10 10, Fax +41 31 940 10 11, info.be@regent.ch **Genève** Régent Appareils d'éclairage SA, Rue de Saint-Jean 30, CH-1203 Genève, Tél. +41 22 340 34 00, Fax +41 22 340 38 82, info.ge@regent.ch **Lausanne** Régent Appareils d'éclairage SA, Chemin du Rionzi 60, Case postale 432, CH-1052 Le Mont-sur-Lausanne, Tél. +41 21 642 02 02, Fax +41 21 648 21 19, info.ls@regent.ch **Lugano** Regent Illuminazione SA, Via al Mulino 22, CH-6814 Cadempino, Tel. +41 91 966 77 33, Fax +41 91 967 11 01, info.ti@regent.ch **Zürich** Regent Beleuchtungskörper AG, Luggwegstrasse 9, CH-8048 Zürich, Tel. +41 44 497 31 11, Fax +41 44 497 31 61, info.zh@regent.ch **Head Office International** Regent Beleuchtungskörper AG, Dornacherstrasse 390, P.O. Box 139, CH-4018 Basel Switzerland, Tel. +41 61 335 53 70, Fax +41 61 335 55 96, export.bs@regent.ch **Deutschland** Regent Licht GmbH, Plange Mühle 1, D-40221 Düsseldorf, Tel. +49 211 598 972 10, Fax +49 211 598 972 59, info@regent-licht.de **France** Régent Appareils d'éclairage Sarl, Siège social, 38 bis Boulevard Beaumarchais, F-75011 Paris, Régent Appareils d'éclairage SA, Siège commercial, Dornacherstrasse 390, Case postale 139, CH-4018 Bâle Suisse, Tél. +33 1 45 72 46 88, Fax +41 61 335 55 96, info.fr@regent.ch **Israel** Regent Lighting Marketing Ltd., 4, Moshe Sharet St., IL-75704 Rishon Letzion, Phone +972 3 962 29 70, Fax +972 3 962 29 98, service@regentlighting.co.il **Italia** Regent Illuminazione s.r.l., Sede legale, Via Vittor Pisani 16, I-20124 Milano, Tel. +39 02 667 183 78, Fax +39 02 673 861 09, info.it@regent.ch **Österreich** Regent Licht GmbH, Karl-Farkas-Gasse 22, A-1030 Wien, Tel. +43 1 879 12 10, Fax +43 1 879 12 09, info@regent-licht.at **India** Regent Lighting Asia Private Limited, A-19, Ground Floor, Sector-64, Noida - 201301, Uttar Pradesh, India, Phone +91 120 404 4600 (North India), +91 120 473 3028/+91 120 473 3030 (South & West India) info@regent-lighting.in

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