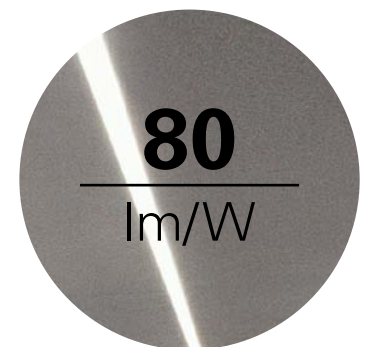
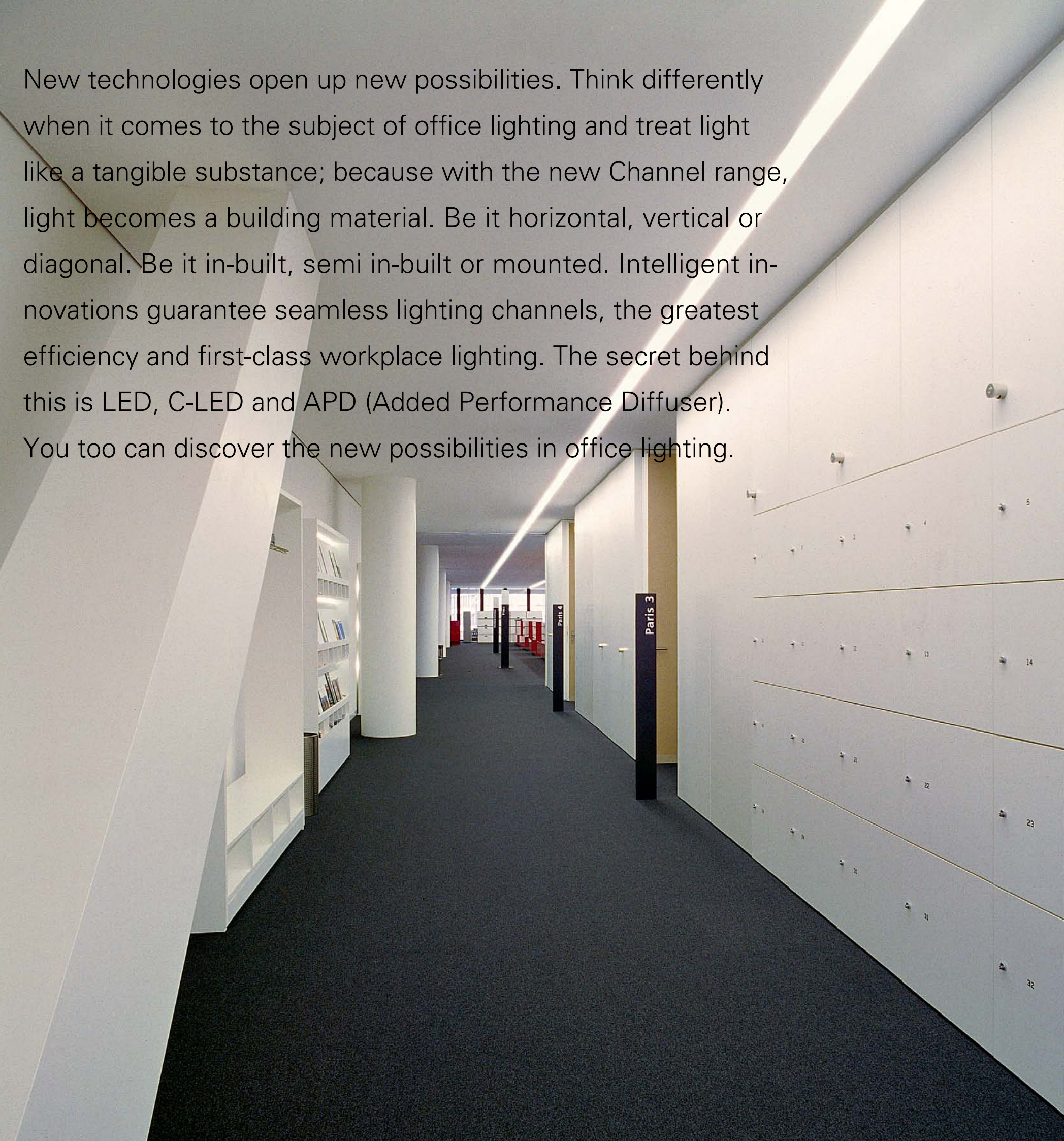


Channel LED.

Light strips rediscovered.

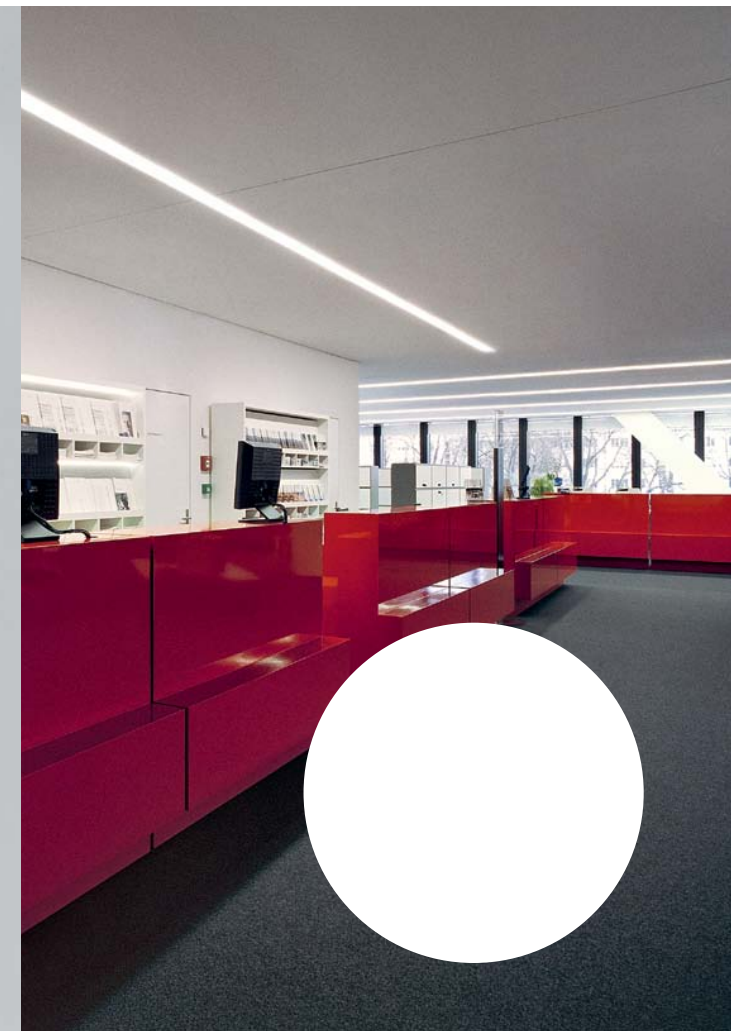


New technologies open up new possibilities. Think differently when it comes to the subject of office lighting and treat light like a tangible substance; because with the new Channel range, light becomes a building material. Be it horizontal, vertical or diagonal. Be it in-built, semi in-built or mounted. Intelligent innovations guarantee seamless lighting channels, the greatest efficiency and first-class workplace lighting. The secret behind this is LED, C-LED and APD (Added Performance Diffuser). You too can discover the new possibilities in office lighting.



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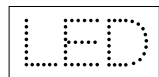


Channel LED:
The latest technology – uninterrupted.

Imagine a line of light with no breaks in it. Make shadows a thing of the past. The sophisticated light profile of Channel permits seamless lighting channels that adapt perfectly to your ideas for your space. The result is an illuminated perspective, which emphasises the geometry of a room and sets indiscernible tones. Wherever there is to be optimal symbiosis of architecture and lighting, Channel LED is the perfect choice.

WHAT'S NEW AT A GLANCE

- LED
- shadow-free lines of light
- luminaire light output 80 lm/W

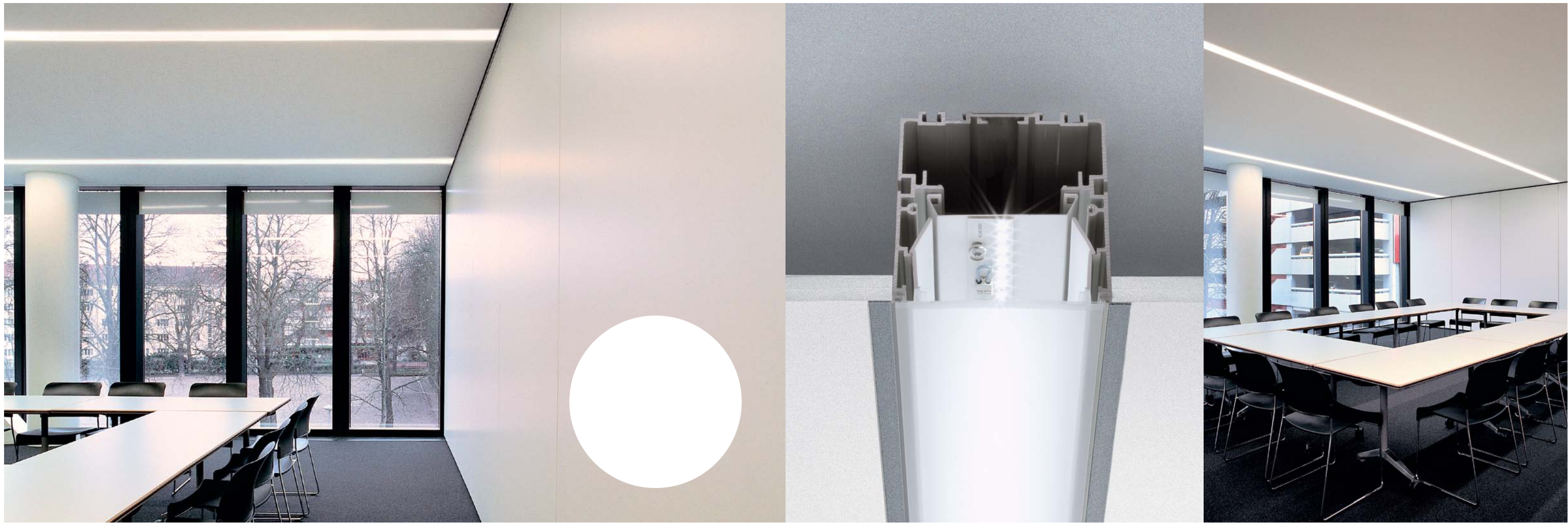


Channel Office C-LED –
Lines of light in the office.

Light lines for lighting an office? Until now this would have been unthinkable. Channel Office C-LED now makes it a reality. The combination of LEDs and the light directing element C-LED has made it possible: All standards for lighting in workplaces (EN 12464-1) are met. This high, ergonomic lighting quality means one thing above all: an office illuminated with Channel offers a pleasant, stimulating work environment, providing answers to the various requests posed by a modern office.

WHAT'S NEW AT A GLANCE

- office appropriate C-LED-optics
- EN 12464-1 compliant
- always UGR < 19
- always $L_{max} > 65^\circ < 3000 \text{ cd/m}^2$



A clever combination: the various parts of the APD (Added Performance Diffuser)

Efficiency
that pays off
two-fold.

APD (Added Performance Diffuser) – simply more efficient.

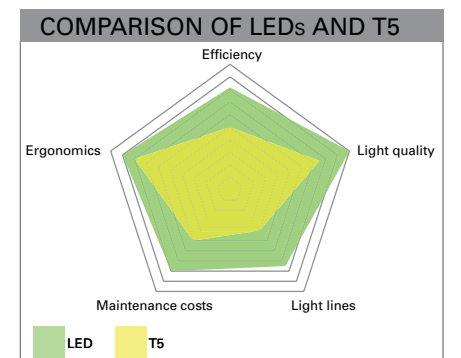
Save time and money. Anyone wanting to increase efficiency must make use of synergies. This can only be achieved through an intelligent combination of the right elements; quite a feat, which Regent has impressively accomplished with APD (Added Performance Diffuser). The reflector technology brings together what belongs together, as the APD (Added Performance Diffuser) combines diffuser and reflector in a perfect unit. The upshot: for directing and reflecting the light just one single mounting element is now needed. And you increase the efficacy of Channel LED by 40% by using the new APD.

APD can also be combined with T5 fluorescent tubes.

The combination for even more efficiency: LEDs and APD (Added Performance Diffuser).

By using LEDs, Channel goes one step further in terms of energy saving; because LEDs find an ideal environment in the innovative APD (Added Performance Diffuser), putting other light sources in the shade (see graphic). Thanks to the combination of LEDs and APD (Added Performance Diffuser), all Channel's quality-relevant parameters are significantly improved:

- Seamlessly ongoing lines of light, even more sharply delineated at the sides
- Spectrum close to daylight quality
- up to 40% energy saving: LED batten luminaire uses just 20 watts (T5: 28W+4W ECG)
- Lower maintenance costs thanks to longer lifetime of LEDs, L70 50'000h





Channel LED, batten luminaires.

- Batten luminaire with LED
- HE – High Efficiency light level 1, wattages can be combined without light density difference
- HPE – High Performance Efficiency light level 2, wattages can be combined without light density difference
- Direct light emission
- Pre-wired batten luminaire with rapid connection ICT® (Instant Contact Technology) cut-in contact clips + screw cap, powder coated white
- Integral electronic control gear
- Support profile, cover and system components to be ordered separately
- APD (Added Performance Diffuser) satin; light output 80lm/W (Channel LED)
- Office suitable LED light directing element C-LED UGR <19, $L_{max} >65^\circ$, < 3000cd/m²; luminaire light output 70lm/W (Channel Office C-LED)
- 4000K neutral white, Ra >80
- Add P when ordering through-wiring 2.5mm²

Technical specifications can be changed without previous notification.

⊕ ▽ 850°C

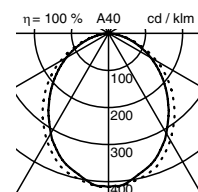
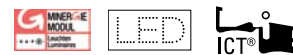
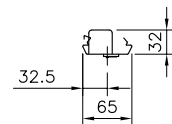


Channel LED, batten luminaires.

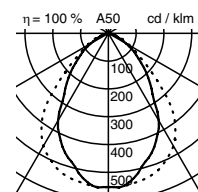


Batten luminaires for Channel LED for Channel Office C-LED

TCP 4000K
CRI >80
L70 50'000h



mit **81DIF.001**



mit **81CLED.001**

Office suitable

LED batten luminaire HE – High Efficiency

LED batten luminaire HE – High Efficiency				Luminous flux (luminaire) 1	Luminous flux (luminaire) 1
6W	electronic	81LSL305JA00	L = 300 mm	with 81DIF1.01 400 lm	with 81C-LED.001 350 lm
11W	electronic	81LSL610JA00	L = 570 mm	800 lm	700 lm
20W	electronic	81LSL1220JA00	L = 1170 mm	1600 lm	1400 lm

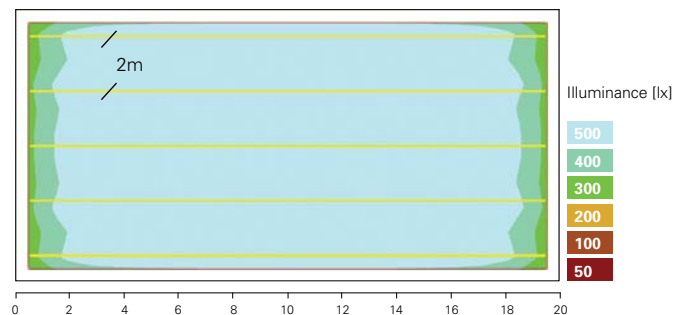
LED batten luminaire HPE – High Performance Efficiency

LED batten luminaire HPE – High Performance Efficiency				Luminous flux (luminaire) 2	Luminous flux (luminaire) 2
8W	electronic	81LSL306JA00	L = 300 mm	with 81DIF1.01 525 lm	with 81C-LED.001 475 lm
15W	electronic	81LSL613JA00	L = 570 mm	1050 lm	950 lm
28W	electronic	81LSL1227JA00	L = 1170 mm	2100 lm	1900 lm

for DALI adjustable luminaires, replace the **A** in the article number with **C**, ordering example: **81LSL305JA00 81LSL305JC00**

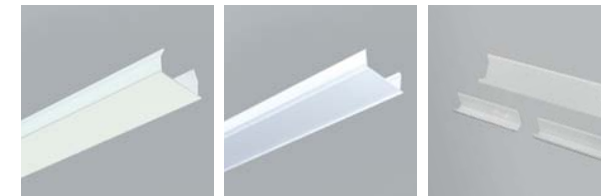
System components to be ordered separately, see page 34

Illuminance in the room



Room: 20x10x2.7m, $E_m = 502 \text{ lux}$
80x20W C-LED, **8W/m²**

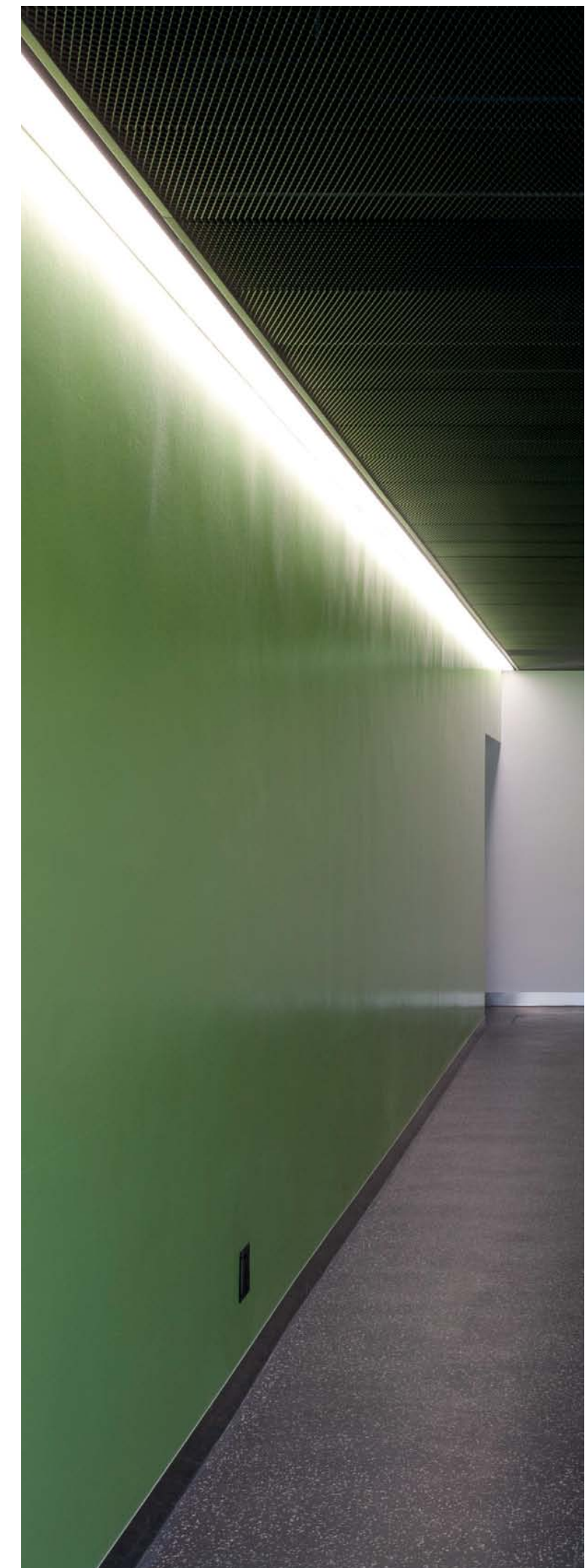
Covers LED



81DIF1.01 **81CLED.001** **81IP.SET.01**

to be ordered separately

- 81DIF1.01** APD diffuser, satin, L=3600mm
- 81CLED.001** Light directing element C-LED, L=3600mm
- 81IP.SET.01** Dilatation set



Channel LED mounting types and system components.



Recessed in concrete



Recessed in plaster ceilings



Recessed with shadow gap



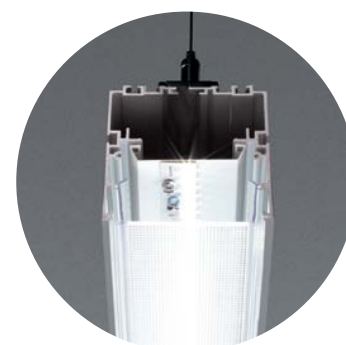
Recessed with integral ceiling trim



Semi-recessed



Surface mounted



Pendant



Wall mounted



81PR.01/02 81STS.07/.09 81PRP.01/02 81STS.08 81SET.01A 81SET.02 Channel, support profile 81PR 140SA.15/30 436SET.06 436DH.01 436SC.25 / 426SC2.25/50 436W40.E/.G



81SET.03 81DE.03 81SET.19A 81SET.12 81SET.26 81SET.10 Channel, support profile with ceiling trim 81PRP HS.PC.01 HS.PC.02 436.3.100K/436.5.100K 436.5.20K

81PR.02 Support profile, anodised aluminium, L=2500mm
81PR.01 Support profile, anodised aluminium, L=5000mm
81STS.07 End piece, synthetic material metallic silver, thickness=3mm no visible screws
81STS.09 End piece, synthetic material metallic silver, thickness=3mm For dilatation set
81PRP.02 Support profile with ceiling trim, anodised aluminium, L=2500mm
81PRP.01 Support profile with ceiling trim, anodised aluminium, L=5000mm
81STS.08 End piece with ceiling trim, anodised aluminium, ceiling trim 10mm + 2mm thickness, no visible screws
81SET.01A Profile connector, 3 parts
81SET.02 Corner connector horizontal, anodised aluminium, 120mm x 120mm

81SET.03 Corner connector vertical, anodised aluminium, 130mm x 130mm
81DE.03 Profile cover, anodised aluminium, L=2500mm
81SET.19A Bracket for gypsum ceiling, recommended: every 1.5m
81SET.12 Mounting angle, semi-recessed, with shadow gap, L=2500mm, width=2x6.5mm
81SET.26 Angle profile set with shadow gap, metallic silver L=600mm+9mm, with end piece
81SET.10 Mounting set for semi recessed, angular profile, L=2500mm
81WB.51A Wall retainer set, recommended: every 1.5m

140SA.15 Wire cord suspension, with wire cord retainer for self-lock, L=1500mm, load max. 20 kg, recommended: all 1.5m
140SA.30 Wire cord suspension with wire cord retainer for self-lock, L=3000mm, recommended: all 1.5m, load max. 20 kg
436SET.06 Wire tightening set, 2 wire retainers + 2 wire retainer supports 9x1.5mm² or 5x2.5mm²
436DH.01 Wire retainer, black, recommended: all 2m
436SC.25 Cut-in contact clips, for 1.5mm², 25 pieces, black
436SC.50 Cut-in contact clips, for 1.5mm², 50 pieces, black
436SC2.25 Cut-in contact clips, for 2.5mm², 25 pieces, red
436SC2.50 Cut-in contact clips, for 2.5mm², 50 pieces, red included with luminaires, only to be ordered when repositioning

436W40.E Assembly strip, white, PowerClic Switch, for .7, L=300mm
436W40.G Assembly strip, white, PowerClic Dim, for .T, L=300mm
HS.PC.01 PowerClic remote control, silver, mobile, 80x50x20mm
HS.PC.02 PowerClic wall transmitter, white, fix, 80x80x14mm
436.3.100K Through-wiring 3x1.5mm², 3x100m, incl. 20 wire retainers
436.3.100K2.5 Through-wiring 3x2.5mm², 3x100m, incl. 20 wire retainers
436.5.100K Through-wiring 5x1.5mm², 5x100m, incl. 20 wire retainers
436.5.100K2.5 Through-wiring 5x2.5mm², 5x100m, incl. 20 wire retainers
436.5.20K Through-wiring 5x1.5mm², 5x20m, incl. 20 wire retainers



80
lm/W

Channel LED/Channel Office C-LED, single luminaires.

- Recessed ceiling or ceiling mounted luminaire with LED
- HE – High Efficiency, light luminous flux 1 (20W)
- HPE – High Performance Efficiency, light luminous flux 2 (28W)
- Direct light emission
- Support profile in anodised aluminium
- APD (Added Performance Diffuser) satin;
light output 80lm/W (Channel LED)
- Office suitable LED light directing element C-LED
UGR <19, $L_{max} >65^\circ$, < 3000cd/m²;
luminaire light output 70lm/W (Channel Office C-LED)
- 4000K neutral white, Ra >80
- Integral electronic control gear
- All models available digital DALI (JC)

Technical specifications can be changed without previous notification.

⊕ ⊖ 850°C

LED

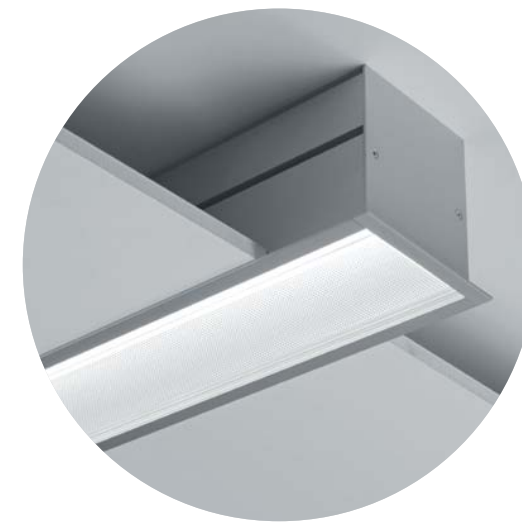


LED



Channel LED, single luminaires.

Channel Office C-LED, single luminaires.



NEW APD (Added Performance Diffuser)

NEW APD (Added Performance Diffuser)

NEW Office suitable (EN12464-1)

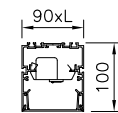
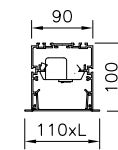
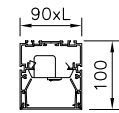
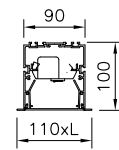
NEW Office suitable (EN12464-1)

Channel LED, recessed ceiling luminaire

Channel LED, ceiling mounted luminaire

Channel Office C-LED, recessed ceiling luminaire

Channel Office C-LED, ceiling mounted luminaire



APD (Added Performance Diffuser), satin, LED

1x20W	81HP21L1216JA	L=1178mm+20mm
1x28W	81HP21L1221JA	L=1178mm+20mm
2x20W	81HP21L2416JA	L=2348mm+20mm
2x28W	81HP21L2421JA	L=2348mm+20mm
3x20W	81HP21L3616JA	L=3520mm+20mm
3x28W	81HP21L3621JA	L=3520mm+20mm

APD (Added Performance Diffuser), satin, LED

1x20W	81H21L12.16JA	L=1178mm
1x28W	81H21L12.21JA	L=1178mm
2x20W	81H21L24.16JA	L=2348mm
2x28W	81H21L24.21JA	L=2348mm
3x20W	81H21L36.16JA	L=3520mm
3x28W	81H21L36.21JA	L=3520mm

Office suitable light directing element C-LED, LED

1x20W	81HP23L1214JA	L=1178mm+20mm
1x28W	81HP23L1219JA	L=1178mm+20mm
2x20W	81HP23L2414JA	L=2348mm+20mm
2x28W	81HP23L2419JA	L=2348mm+20mm
3x20W	81HP23L3614JA	L=3520mm+20mm
3x28W	81HP23L3619JA	L=3520mm+20mm

Office suitable light directing element C-LED, LED

1x20W	81H23L12.14JA	L=1178mm
1x28W	81H23L12.19JA	L=1178mm
2x20W	81H23L24.14JA	L=2348mm
2x28W	81H23L24.19JA	L=2348mm
3x20W	81H23L36.14JA	L=3520mm
3x28W	81H23L36.19JA	L=3520mm

for DALI-adjustable luminaires, replace the **A** in the article number with **C**, ordering example: **81HP21L1216JA** → **81HP21L1216JC**

for DALI-adjustable luminaires, replace the **A** in the article number with **C**, ordering example: **81HP21L1216JA** → **81HP21L1216JC**

Psys 20/28W
20 W LL 1600 lm
28 W LL 2100 lm
TCP 4000K
CRI >80
L70 50'000h

η=100% A40 cd / klm IP40

Psys 20/28W
20 W LL 1600 lm
28 W LL 2100 lm
TCP 4000K
CRI >80
L70 50'000h

η=100% A40 cd / klm IP40

Psys 20/28W
20 W LL 1400 lm
28 W LL 1900 lm
TCP 4000K
CRI >80
L70 50'000h

η=100% A50 cd / klm IP40
UGR <19

Psys 20/28W
20 W LL 1400 lm
28 W LL 1900 lm
TCP 4000K
CRI >80
L70 50'000h

η=100% A50 cd / klm IP40
UGR <19



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