



ZUMTOBEL

INTRO

Modular LED lighting system

The right light for any retail area; perfect design meeting any customer requirements.



[linked](#)

All order numbers in the PDF are linked to the Zumtobel online catalogue.



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Designed to impressively set any store centre stage and perform a wide variety of lighting tasks, the INTRO lighting system includes four luminaire models in a consistent design: INTRO M and INTRO S for light that creates accents. INTRO PANOS infinity for light that efficiently provides brightness in the room. INTRO liteCarve[®] for light that not only ensures uniform illumination to vertical surfaces but also produces a rectangular lighting cone. The luminaire range is completed by INTRO RESCLITE emergency luminaires for use in emergencies. Despite the consistent design and variety of technical lighting features, every INTRO lighting solution provides maximum creative design scope: the components – mounting frame, lighting insert through to front ring – can be assembled individually. In this way, variability and flexibility meet at the highest level.





footwear

INTRO design

Uniform diversity



INTRO M Q2 | accent spotlight and
liteCarve® spotlight for vertical surfaces

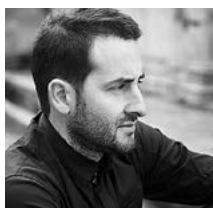




INTRO M Q1 | accent spotlight



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Chris Redfern
Sottsass Associati | Design

“The INTRO retail lighting system has been designed to improve the quality of the consumer experience. The system has a unique adaptability in diverse architectural spaces and offers intelligent and efficient lighting specifically for the retail sector.”

INTRO versatility

The right light for any shop area



	1	2	3	4	5
Lighting task	Garments on hangers, and displays for sales promotion	Special bargain displays, point-of-sale highlights	Vertical perimeter surfaces (shelves, displays)	Recesses and shelves with built-in lighting	Shop windows
Accent lighting	 INTRO S/M accent spotlight	 INTRO M accent spotlight	 INTRO M accent spotlight and liteCarve® for vertical surfaces	 INTRO S accent spotlight	 INTRO M accent spotlight
Vertical lighting			 INTRO liteCarve® for vertical surfaces		 INTRO liteCarve® for vertical surfaces
General lighting	 INTRO S/M accent spotlight/downlight				
Emergency lighting	 INTRO M accent spotlight/emergency lum.				



Complete solution based on one system

The manifold lighting tasks in shops and retail areas place varying requirements on the lighting system. Modules for accent lighting, general lighting, vertical lighting and emergency lighting are what is needed here. With these modules, INTRO reveals its potential in shop windows and retail areas, and does so in a consistently uniform design – which can of course be adjusted to the overall conditions related to a specific project in each case. Innovative LED technology provides high luminaire efficiency of up to 100 lm/W, excellent technical lighting features and colour rendering. Combined with a variety of light colours, light distribution characteristics and luminous flux levels, lighting designers have a wide range of options available to meet many different requirements. Of course, loud-speakers, sprinklers or cameras can optionally also be integrated into the INTRO lighting system.

INTRO

System overview

INTRO module units

Size



INTRO S
Lighting head: Ø 70 mm
Module width: 130 mm



INTRO M
Lighting head: Ø 115 mm
Module width: 180 mm

Infrastructure

INTRO S | installed in frame:



Single module



Double module



Triple module

INTRO M | installed in frame:



Single module



Double module



Triple module

INTRO S | installed without frame:



Single module



Double module



Triple module

INTRO M | installed without frame:



Single module



Double module



Triple module



Recessed channel: 2000 mm, 4000 mm, or custom-made

Lighting insert



INTRO S
accent spotlight



INTRO M
accent spotlight



INTRO M liteCarve®
spotlight for vertical surfaces



INTRO S
PANOS infinity downlight



INTRO M
PANOS infinity downlight



INTRO M
RESCLITE emergency lum.

Accessories



Front ring,
black



Front ring,
white



Front ring,
chrome



Front ring,
matt silver



Front ring,
copper



Interchangeable reflectors:
Spot, Flood, Wideflood



Blanking cover



Offset frame¹



liteCarve® cover



Spacer for
recessed channel

¹ For recessed installation in the ceiling.

INTRO-R
round complete luminaire, configurable

INTRO installed on track

INTRO complete luminaire



INTRO-R S
Lighting head: Ø 70 mm
Ceiling cut-out: Ø 130 mm



INTRO-R M
Lighting head: Ø 115 mm
Ceiling cut-out: Ø 190 mm



INTRO liteCarve®
Lighting head: Ø 125 mm



INTRO R1, Q1 and Q2
Lighting head: Ø 115 mm
Ceiling cut-outs: Ø 180 mm (R1)
□ 165 mm (Q1), □ 165 x 320 mm (Q2)



3-phase track
L3+DALI



INTRO-R S
accent spotlight



INTRO-R M
accent spotlight



INTRO liteCarve®
spotlight for vertical surfaces



INTRO R1
Single module, round



INTRO Q1
Single module, square



INTRO-R S
accent spotlight, frameless



INTRO-R M
accent spotlight, frameless



INTRO Q2
double module, rectangular



Front ring,
black



Front ring,
white



Front ring,
chrome



Front ring,
matt silver



liteCarve® cover



Ceiling reinforcing ring,
round



Front ring,
copper



Interchangeable
reflectors: Spot, Flood,
Wideflood



Cover ring;
black



Cover ring;
white



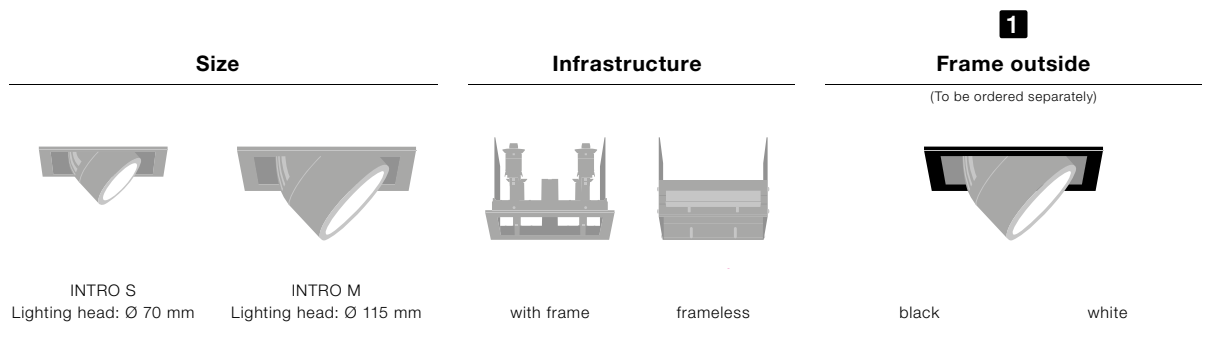
Ceiling reinforcing ring,
square

INTRO flexibility

One system, many options

INTRO is a modular system that leaves nothing to be desired: installation with or without frame, square or round modules in two sizes each, single, double or triple module or recessed channel. Available with lighting inserts in black and white as well as front rings in five colours – all components are optionally available in a variety of RAL shades – INTRO presents itself as a universal lighting tool for shops and retail areas. Its numerous configuration options provide huge potential for modification of design and architectural features, depending on the specific application.

The lighting solution can be configured in the online product catalogue, under “myINTRO”, with just a few clicks, i.e. the individual modules can be assembled extremely quickly. The modular system is impressive in terms of installation, too: it is possible to install only the frames on the construction site, and to add the lighting inserts only after completion – making sure the luminaires are protected against dust and damage. If required, individual lighting inserts can simply be exchanged at a future date.



Configuration example 1



Configuration example 2



Configuration example 3



Easy luminaire configuration in the online product catalogue “myINTRO”

1	2	3	4	
Colour Frame outside Code: 1-digit	Colour Frame inside Code: 1-digit	Colour Lighting head Code: 1-digit	Colour Front ring Code: 2-digit	Colour code of configured INTRO luminaire



_____ To be ordered separately _____ B _____ B _____ CU _____ → BB-CU



_____ To be ordered separately _____ B _____ B _____ BK _____ → BB-BK

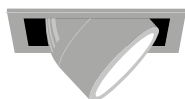


_____ B _____ B _____ B _____ WH _____ → BBB-WH

B/BK = black W/WH = white CR = chrome CU = copper SM = matt silver

2

Frame inside



black white

3

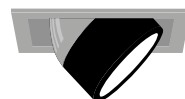
Lighting head



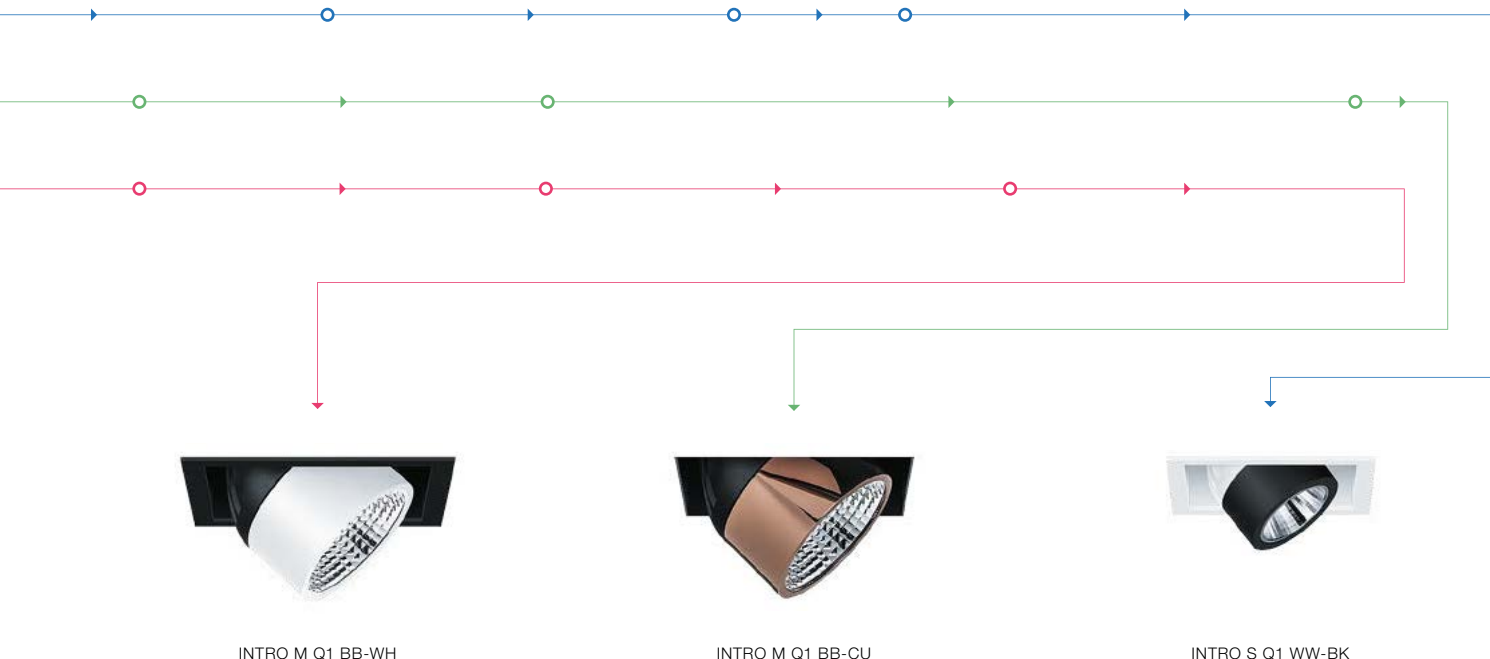
black white

4

Front ring



black white chrome matt silver copper



INTRO – convenient installation

Little effort required for installation and assembly

Each INTRO module and/or each INTRO channel is impressive due to its easy handling on the construction site. This means that the complete INTRO lighting solutions can be installed quickly and with a high level of precision. Where an installation frame or recessed channel is used during installation, the lighting inserts are simply snapped into place.

In the event of repurposing, for instance, lighting inserts can also be de-installed at any time, and re-installed at a later date, without the use of any tools. Handy accessories such as butt joint connectors or spacers ensure that the recessed channel can be installed reliably. If the luminaire is to be invisible, an offset frame allows for recessed installation in the ceiling. When installed without the use of any tools, the mounting frames and mounting rings of the configurable luminaires are fixed precisely by means of spring clips. Round and square complete luminaires can be fastened by means of concealed screws.

Installation

INTRO Q1 with frame and accent spotlight



Install frame without any tools.

Connect luminaire to power and fit into recess.

Adjust luminaire.

INTRO Q1 frameless with accent spotlight



Install frame.

Plaster frame flush with ceiling.

Connect luminaire to power, fit into recess and adjust.

INTRO Q1 frameless with offset frame and accent spotlight



Install frame and plaster it flush with ceiling.

Fit offset frame.

Connect luminaire to power, fit into recess and adjust.



INTRO Q7 channel | 7 modules

Just like the module frames, the INTRO recessed channel has a modular design and predefined mounting points for the individual lighting inserts. The appropriate length is calculated on the basis of the number of lighting inserts required (see table), with a maximum wattage of 200 W per running metre. The approx. 2000 mm long recessed channels have been designed for 12 lighting inserts, the double-length version for 24 lighting inserts as standard. If a different number of lighting inserts is required, the recessed channel can be cut to length by the customer on site or – preferably – ordered in custom-fit length.



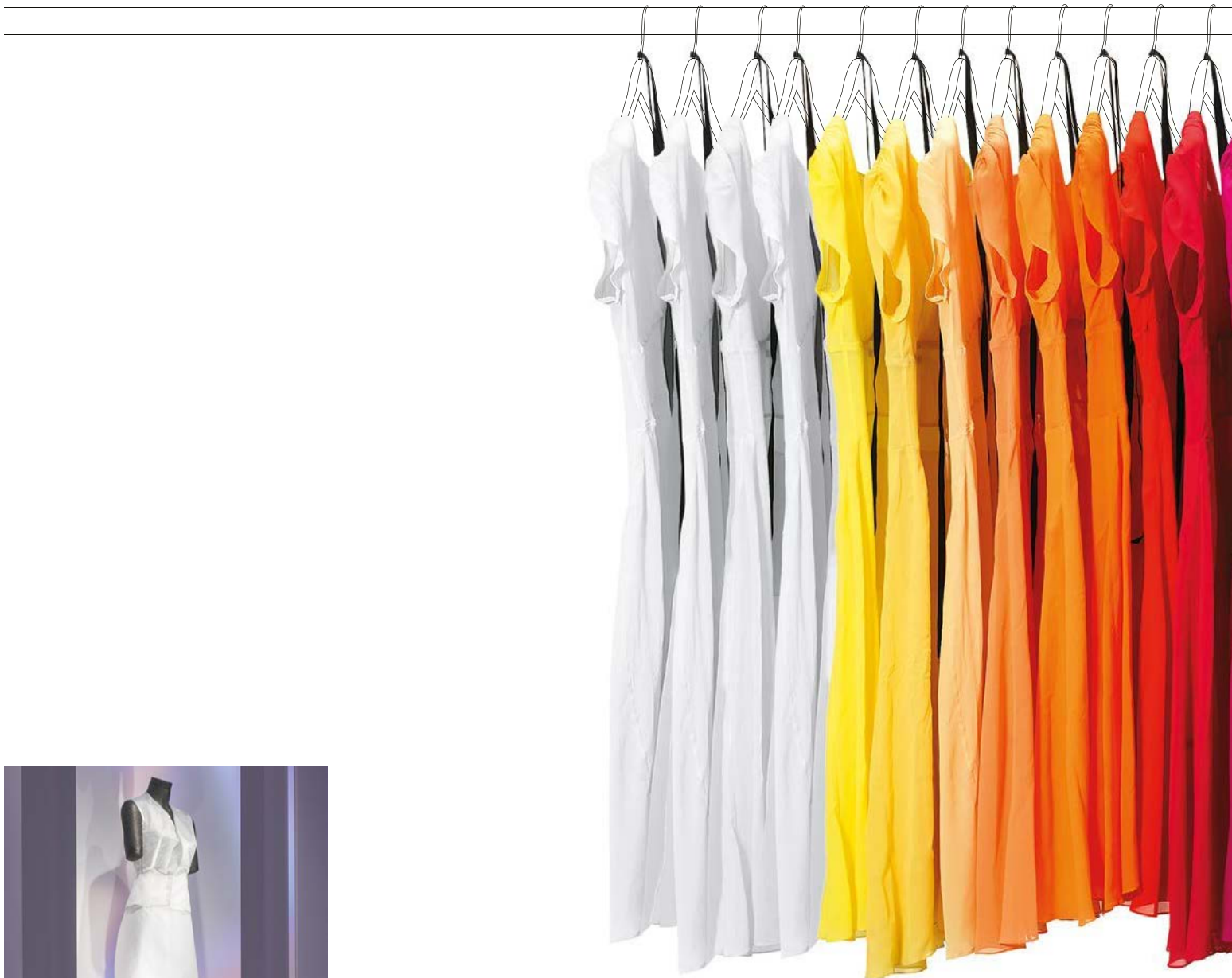
INTRO channel, flush with ceiling | with mounting bracket

INTRO M

Recessed channel, black or white, flush with ceiling

Number of module units	Length of section in mm	
Q1*	172.00	
Q2*	343.25	
Q3*	514.50	
Q4*	685.75	
Q5*	857.00	
Q6*	1028.25	
↑ Q7*	1199.50	
Q8*	1370.75	
Q9*	1542.00	
Q10*	1713.25	
Q11*	1884.50	
Q12*	2055.75	Standard length 1 (Q12)
Q13*	2227.00	
Q14*	2398.25	
Q15*	2569.50	
Q16*	2740.75	
Q17*	2912.00	
Q18*	3083.25	
Q19*	3254.50	
Q20*	3425.75	
Q21*	3597.00	
Q22*	3768.25	
Q23*	3939.50	
Q24*	4110.75	Standard length 2 (Q24)

* cut to length directly on construction site, or order customised version



TrueGamutRendering fashion (TGRfashion)

LED technology for brilliant colours

Light plays a truly significant role in achieving authentic retail presentation because light is the most important component when it comes to perceiving and evaluating goods. TGRfashion technology has enabled Zumtobel to achieve new levels of shop lighting quality using LEDs. It lends a fresh quality and brilliance to white colours, but also to light and bright colours. TGRfashion displays colours with particular purity, and the LED spotlight emphasises and differentiates the various properties of different materials, resulting in a high colour rendering index.



INTRO M accent spotlight and
liteCarve® for vertical surfaces





Gerry Weber, Herford / DE

Lighting solution: INTRO M modular LED lighting system, VIVO XS LED spotlights, VIVO M LED spotlights, LINARIA LED batten luminaires, LUXMATE DIMLITE lighting management system



WEBER

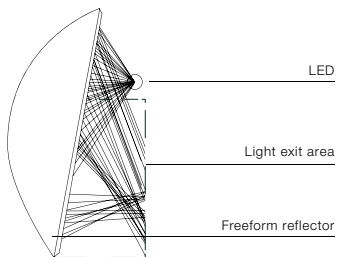




INTRO liteCarve®

Spotlight for vertical surfaces

liteCarve® reflector technology (patent pending) developed by Zumtobel creates entirely new lighting characteristics: a spotlight for perfect illumination of vertical surfaces. The freeform reflector provides highly precise and balanced light distribution, right up to the peripheries. The reflector is fitted in front of an LED point light source and directs the light, 100% indirectly, onto the vertical surfaces in a targeted manner. This means that not only displays can be illuminated uniformly and efficiently but also shelves, large-format posters, recesses or wall areas that need to be highlighted. As a track-mounted version, the liteCarve® spotlight provides additional flexibility due to the lighting head that can be pivoted downwards through 40°.



Attracting attention: a round half-disc results in a rectangular lighting cone. Thus, a single INTRO liteCarve® spot is sufficient to provide a uniformly illuminated area for which up to three spots had to be used previously – a truly impressive result.



Previously: several round to oval lighting cones used to illuminate vertical surfaces only in selective areas, leaving dark zones.



Using liteCarve®: the shelves and walls are illuminated with uniform brightness from top to bottom by a rectangular lighting cone.



INTRO liteCarve® | 53 W



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INTRO liteCarve®

Size M

Lighting head: Ø 125 mm
Width of module installed: 180 mm

System power

LED 53 W

Colour temperatures and colour rendering indexes

3000 K: Ra 80, Ra 90
4000 K: Ra 80, Ra 90
TGRfashion: 3000 K, Ra > 90

Luminous flux of luminaire

2100 lm to 2800 lm

Luminaire efficiency

up to 53 lm/W

Alignment

Spotlight:
rotates through $\pm 90^\circ$ and pivots through -5° to $+40^\circ$
Recessed installation: pivots through $\pm 10^\circ$

Control

switchable, DALI-dimmable

Accessories

Covers

INTRO liteCarve® light distribution



Width of beam: 2 m to 2.2 m
Distance between luminaire and wall: 1 m to 1.2 m
Installation height: 2.8 m to 3.5 m



INTRO M Q1 and Q2 | 29 W accent spotlight and 53 W liteCarve®
spotlight for vertical surfaces | copper front ring



INTRO M

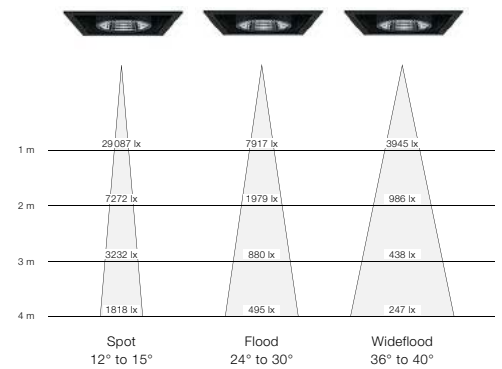
Brilliant LED accent spotlight with high light output levels



In order to create impressive accent lighting with high precision in shops and retail areas, the multifunctional lighting head of INTRO M can be rotated through 360°, swivelled in through +90° and swivelled out through another -20°. With a luminous flux of 3500 lumens, INTRO is able to provide high illuminance levels. A lighting system with maximum flexibility is created by individually combining system efficiency, colour temperature and light distribution. Thus, INTRO M has turned out to be a huge sales talent, at extremely low power consumption: with a luminaire efficiency of as much as 97 lm/W, the LED accent spotlight outperforms most luminaires fitted with metal halide lamps.



INTRO M Q1 | 36 W | Ra 930 | 3400 lm





INTRO M Q1 and Q2 | 36 W accent spotlight



INTRO M

Size M

Lighting head: Ø 115 mm
Module width: 180 mm

System power

LED 29 W and LED 36 W

Colour temperatures and colour rendering indexes

3000 K: Ra 80, Ra 90
4000 K: Ra 80, Ra 90
TGRfashion: 3000 K, Ra > 90

Luminous flux of luminaire

1900 lm to 3500 lm

Luminaire efficiency

up to 97 lm/W

Alignment

Spotlight:
rotates through $\pm 360^\circ$ and swivels through -20° to $+90^\circ$

Control

switchable, DALI-dimmable

Accessories

Front rings, blanking cover, replaceable reflectors,
offset frame for recessed installation



INTRO S Q1 and Q2 | 19 W accent spotlight



INTRO S

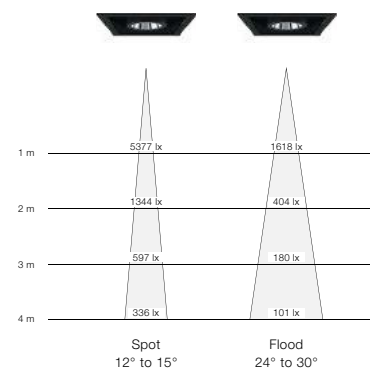
Miniaturised, efficient LED accent spotlight



The rotating and swivelling LED lighting head, with a diameter of just 70 mm, ensures that the lighting solution blends smoothly into the interior design. Even areas with low ceilings can be illuminated perfectly by the INTRO S spotlight. In order to illuminate shelves and recesses to particularly impressive effect, the compact LED spotlight can be combined with a built-in lighting system. The only thing that is small in this spotlight is its size; in terms of energy efficiency, however, it is definitely a giant. With a system power of 19 W, the miniature LED accent spotlight provides an outstanding luminous flux of up to 1200 lumens, at good colour rendering of Ra 80, or at Ra 90 to meet particularly high demands.



INTRO S Q1 | 19 W | Ra 930 | 1200 lm





INTRO S Q1 and Q2 | 19 W accent spotlight



INTRO S

Size S

Lighting head: Ø 70 mm
Module width: 130 mm

System power

LED 19 W

Colour temperatures and colour rendering indexes

3000 K: Ra 80, Ra 90
4000 K: Ra 80

Luminous flux of luminaire

900 to 1200 lm

Luminaire efficiency

up to 63 lm/W

Alignment

Spotlight:
rotates through $\pm 360^\circ$ and swivels through -20° to $+90^\circ$

Control

switchable, DALI-dimmable (upon request)

Accessories

Front rings, blanking cover, replaceable reflectors,
offset frame for recessed installation

INTRO PANOS infinity

Downlight for general lighting

The modular INTRO LED lighting system uses the qualities of the tried-and-tested PANOS infinity downlight. Combined with INTRO S or INTRO M LED accent spotlights, all modules are thus at hand that are required for a shop and retail lighting solution in a consistent design. The PANOS infinity range provides an appropriate component for every situation: using the appropriate module, the frameless models with a diameter of 100 mm and 150 mm can be integrated “inconspicuously” into the mounting frame and also into the recessed channel. With luminaire efficiency levels in excess of 100 lm/W, PANOS infinity is an economically efficient alternative for use in all applications where single- or twin-lamp downlights fitted with 18 W, 26 W or 32 W used to be installed.

INTRO M Q2 | 36 W accent spotlight and 23 W PANOS infinity 150 mm



PANOS infinity
100 mm

PANOS infinity
150 mm

INTRO PANOS infinity

Sizes

INTRO S: PANOS infinity 100 mm, frameless
INTRO M: PANOS infinity 150 mm, frameless

Colour temperatures

100 mm: 2700 K, 3000 K, 4000 K
150 mm: 3000 K, 4000 K

Colour rendering

Ra > 90

Luminous flux of luminaire

100 mm: 700 lm, 1600 lm
150 mm: 1000 lm, 1800 lm

Control

DALI dimmable

Accessories

PANOS infinity 100 mm/reflector finishes:
highly specular, matt silver, matt gold, white
PANOS infinity 150 mm/reflector finishes:
highly specular with facets, highly specular,
matt silver, white

INTRO RESCLITE

Emergency luminaire, just in case

As part of the INTRO M modular system, the compact RESCLITE antipanic emergency luminaire demonstrates its reliability in the event of a failure of the power supply system. Due to wide-angle, rotationally symmetrical light distribution, the emergency LED luminaire illuminates large areas uniformly with 0.5 lx, according to the EN 1838 standard. This means that one single RESCLITE luminaire is sufficient to provide orientation in an area of 170 m² and make escape routes or obstacles visible. And yet the powerful LED package requires a minimum of energy. The system power is only 5 W; in non-maintained mode, a stand-by power of 1.5 W only is required. In combination with INTRO S or INTRO M LED accent spotlights as well as PANOS infinity LED downlights, a consistent design will therefore be ensured for shops in any case.

INTRO M Q2 | 36 W accent spotlight and 5 W RESCLITE



INTRO RESCLITE

Size
INTRO M
Module width: 180 mm

System power
LED ≤ 5 W (< 1.5 W in stand-by mode)

Colour temperature
4000 K

Control
Emerg. lighting NDA
Emerg. lighting NSI
Emerg. lighting NT1 and NT3



BMW Gregoir, Püurs / BE

Architects: Lecharny & Bertrand Architects, Wilrijk / BE

Lighting solution: INTRO M modular LED lighting system, custom solution of INTRO M modular LED lighting system with SLOTLIGHT II LED light lines, PANOS evolution and PANOS infinity LED downlights, DIAMO LED downlights, TECTON continuous-row LED lighting system, VIVO L LED spotlights, ONLITE Puresign LED escape sign luminaires, ONLITE Resclite LED emergency luminaires, LITECOM lighting management system, SLOTLIGHT II IP54 LED light lines, THORN Aquaforce II moisture-proof diffuser luminaires



BMW M4
Coupé

INTRO LED accent light modules (complete models, without design personalisation)

|...| Shared properties INTRO R1/Q1/Q2

- Brilliant accenting via precision reflectors enables precise flood or wideflood beam characteristics
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Multifunctional lamp unit rotatable through 360° with pan and tilt (-10°/+60°), ceiling-flush down-light position
- Passive cooling achieved by innovative thermal design
- Includes control unit, 230 V switchable
- 3-pole connection terminal
- Through-wiring possible
- Service life: 50000 h at 70 % luminous flux
- Colour rendering index: Ra > 80
- Mains voltage: 230 V / 50/60 Hz
- Recessed depth 200 mm
- Installation: screw-fastening in ceilings of thickness 1–25 mm

INTRO R1



- |...|
- LED luminaire (round) for installing in ceilings with multifunctional lamp unit for precise and variable accent lighting in the shop and retail sector
- FW/BKY versions: with colour temperature specifically matched to requirements of meat and bakery products
- Lamp unit and mounting ring of diecast aluminium, coated white
- Colour temperature: "LED-FW" version matched to meat products
- Colour temperature: "LED-BKY" version matched to baked products
- Colour temperature: 3000 K (LED830: warm white), 4000 K (LED840: neutral white)
- Installed load: 29 W or 36 W
- Luminaire luminous flux: 2200–3500 lm
- Luminaire efficiency: 76–97 lm/W

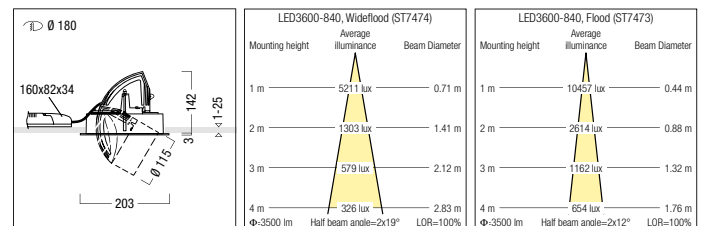
LED accent module with white cover ring

	RD/RØ	kg	Order no.
LED2100-FW flood, fresh meat	200/180	1,9	60 815 684
LED2100-FW wideflood, fresh meat	200/180	1,9	60 815 685
LED2200-830 flood <i>eco*</i>	200/180	1,9	60 814 502
LED2200-830 wideflood <i>eco*</i>	200/180	1,9	60 814 503
LED2400-840 flood <i>eco*</i>	200/180	1,9	60 814 504
LED2400-840 wideflood <i>eco*</i>	200/180	1,9	60 814 505
LED2600-BKY flood, bakery <i>eco*</i>	200/180	1,9	60 815 682
LED2600-BKY wideflood, bakery <i>eco*</i>	200/180	1,9	60 815 683
LED3400-830 flood <i>eco*</i>	200/180	1,9	60 814 514
LED3400-830 wideflood <i>eco*</i>	200/180	1,9	60 814 515
LED3600-840 flood <i>eco*</i>	200/180	1,9	60 814 516
LED3600-840 wideflood <i>eco*</i>	200/180	1,9	60 814 517

Accessory

Assembly tool TORX ball head, drive size 1/4" x 70 T20	60 700 309
Ceiling reinforcing ring	60 200 013

Please order separately the special tool required for installation (60 700 309) TORX ball-head key size 1/4" x 70 T20.



INTRO Q1

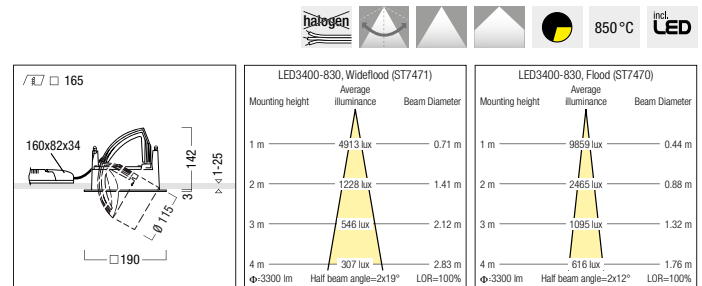


- [...]
- LED luminaire (square) for installing in ceilings with multifunctional lamp unit for precise and variable accent lighting in the shop and retail sector
- FW/BKY versions: with colour temperature specifically matched to requirements of meat and bakery products
- TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
- Lamp unit and mounting surround of diecast aluminium, coated white
- Colour temperature: "LED-FW" version matched to meat products
- Colour temperature: "LED-BKY" version matched to baked products
- Colour temperature: 3000 K (LED830/TGR: warm white), 4000 K (LED840: neutral white)
- Colour rendering LED TGR: Ra > 90
- Installed load: 29 W or 36 W
- Luminaire luminous flux: 2200–3500 lm
- Luminaire efficiency: 76–97 lm/W

	EL/EB/ET	kg	Order no.
LED accent module (single) with white cover trim			<i>electronic</i>
LED2000-TGR flood <i>eco</i> ⁺	165/165/200	2,0	60 815 711
LED2000-TGR wideflood <i>eco</i> ⁺	165/165/200	2,0	60 815 712
LED2100-FW flood, fresh meat	165/165/200	2,0	60 815 680
LED2100-FW wideflood, fresh meat	165/165/200	2,0	60 815 681
LED2200-830 flood <i>eco</i> ⁺	165/165/200	2,0	60 814 494
LED2200-830 wideflood <i>eco</i> ⁺	165/165/200	2,0	60 814 495
LED2400-840 flood <i>eco</i> ⁺	165/165/200	2,0	60 814 496
LED2400-840 wideflood <i>eco</i> ⁺	165/165/200	2,0	60 814 497
LED2400-TGR flood <i>eco</i> ⁺	165/165/200	2,0	60 815 715
LED2400-TGR wideflood <i>eco</i> ⁺	165/165/200	2,0	60 815 716
LED2600-BKY flood, bakery <i>eco</i> ⁺	165/165/200	2,0	60 815 678
LED2600-BKY wideflood, bakery <i>eco</i> ⁺	165/165/200	2,0	60 815 679
LED3400-830 flood <i>eco</i> ⁺	165/165/200	2,0	60 814 506
LED3400-830 wideflood <i>eco</i> ⁺	165/165/200	2,0	60 814 507
LED3600-840 flood <i>eco</i> ⁺	165/165/200	2,0	60 814 508
LED3600-840 wideflood <i>eco</i> ⁺	165/165/200	2,0	60 814 509

Accessory	Order no.
Assembly tool TORX ball head, drive size 1/4" x 70 T20	60 700 309
Ceiling reinforcing frame for INTRO Q1/Q2	60 200 012

Please order separately the special tool required for installation (60 700 309)
TORX ball-head key size 1/4" x 70 T20.



INTRO Q2

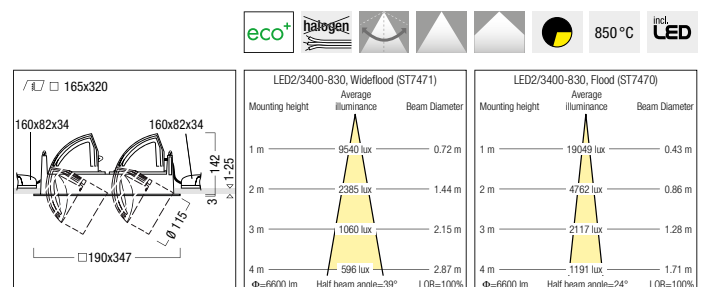


- [...]
- LED luminaire (rectangular) for installing in ceilings with two multifunctional lamp units for precise and variable accent lighting in the shop and retail sector
- TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
- Lamp unit and mounting surround of diecast aluminium, coated white
- Colour temperature: 3000 K (LED830/TGR: warm white), 4000 K (LED840: neutral white)
- Colour rendering LED TGR: Ra > 90
- Installed load: 2 x 29 W or 2 x 36 W
- Luminaire luminous flux per lamp unit: 2200–3500 lm
- Luminaire efficiency per lamp unit: 76–97 lm/W

	EL/EB/ET	kg	Order no.
LED accent module (twin) with white cover trim			<i>electronic</i>
LED2/2000-TGR flood	320/165/200	3,7	60 815 713
LED2/2000-TGR wideflood	320/165/200	3,7	60 815 714
LED2/2200-830 flood	320/165/200	3,7	60 814 498
LED2/2200-830 wideflood	320/165/200	3,7	60 814 499
LED2/2400-840 flood	320/165/200	3,7	60 814 500
LED2/2400-840 wideflood	320/165/200	3,7	60 814 501
LED2/2400-TGR flood	320/165/200	3,7	60 815 717
LED2/2400-TGR wideflood	320/165/200	3,7	60 815 718
LED2/3400-830 flood	320/165/200	3,7	60 814 510
LED2/3400-830 wideflood	320/165/200	3,7	60 814 511
LED2/3600-840 flood	320/165/200	3,7	60 814 512
LED2/3600-840 wideflood	320/165/200	3,7	60 814 513

Accessory	Order no.
Assembly tool TORX ball head, drive size 1/4" x 70 T20	60 700 309
Ceiling reinforcing frame for INTRO Q1/Q2	60 200 012

Please order separately the special tool required for installation (60 700 309)
TORX ball-head key size 1/4" x 70 T20.



INTRO LED accent light modules (complete models, round)

[...] Shared properties INTRO-R

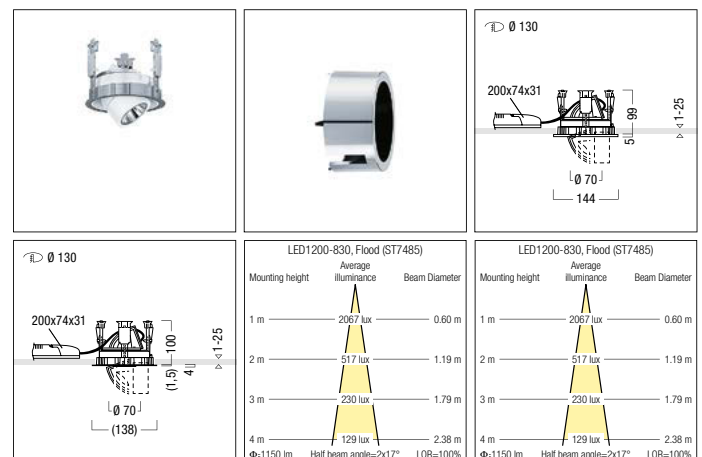
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Lamp unit and mounting ring of diecast aluminium, coated black or white
- Front ring (lamp unit) of PC, coated black or white, other colours possible such as chrome, copper or matt silver as further variants
- PC trim, black or white
- Bayonet catch for tool-free installation
- Passive cooling achieved by innovative thermal design
- Includes control unit, 230 V switchable or dimmable Dali (on request)
- 3-pole terminal block or 5-pole terminal block for dimmable version
- Through-wiring possible
- Service life: 50000 h at 70 % luminous flux
- Mains voltage: 230 V / 50/60 Hz
- Recessed depth 200 mm
- Simple twist-and-lock mechanism for quick tool-free fitting of luminaire unit
- Simple, tool-free mounting of installation ring via spring clips for 1–25 mm ceiling thicknesses
- Specular reflector designed to be interchangeable
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction

INTRO-R S R1



- [...]
- LED luminaire (round, compact) for installing in ceilings or for ceiling-flush installation (trimless) with multifunctional lamp unit for precise and variable accent lighting in the shop and retail sector
- Sparkling accentuation from precision reflector delivers exact spot or flood beam pattern
- Multifunctional lamp unit rotatable through 360° with pan and tilt (-20°/+85°), ceiling-flush downlight position
- Colour temperature: 3000 K (LED830/930: warm white) or 4000 K (LED840: neutral white)
- Colour rendering index: Ra 80 (LED830/840) / Ra 90 (LED930)
- Installed load: 19 W
- Luminaire luminous flux: 900–1200 lm
- Luminaire efficiency: 47–63 lm/W

	RD/RØ	kg	Order no.	Order no.
LED accent module with cover ring			white	black
LED1200-830 flood <i>eco*</i>	200/130	0,7	60 814 521	60 814 520
LED1200-830 spot <i>eco*</i>	200/130	0,7	60 814 519	60 814 518
LED1200-840 flood <i>eco*</i>	200/130	0,7	60 814 525	60 814 524
LED1200-840 spot <i>eco*</i>	200/130	0,7	60 814 523	60 814 522
LED900-930 flood	200/130	0,7	60 814 529	60 814 528
LED900-930 spot	200/130	0,7	60 814 527	60 814 526
LED accent module without frame			white	black
LED1200-830 flood <i>eco*</i>	200/130	0,7	60 814 537	60 814 536
LED1200-830 spot <i>eco*</i>	200/130	0,7	60 814 535	60 814 534
LED1200-840 flood <i>eco*</i>	200/130	0,7	60 814 541	60 814 540
LED1200-840 spot <i>eco*</i>	200/130	0,7	60 814 539	60 814 538
LED900-930 flood	200/130	0,7	60 814 545	60 814 544
LED900-930 spot	200/130	0,7	60 814 543	60 814 542
Accessory				
Interchangeable reflector, spot				60 200 104
Interchangeable reflector, flood				60 200 105
Front ring, white				60 200 029
Front ring, black				60 200 028
Front ring, matt silver				60 200 032
Front ring, chrome				60 200 030
Front ring, copper vaporized				60 200 031

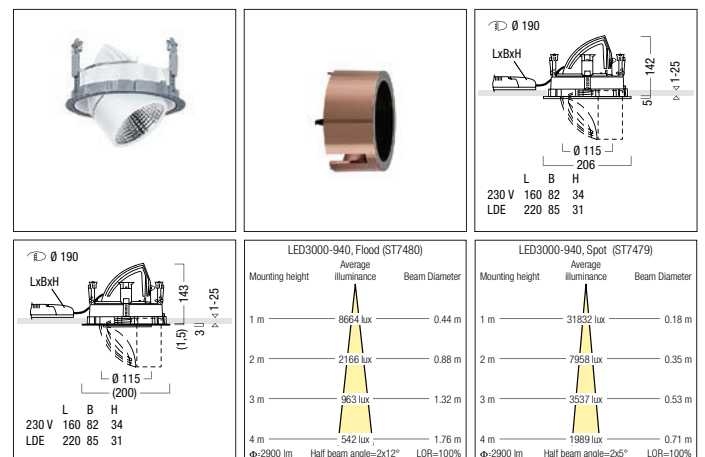


INTRO-R M R1



- [...]
 - LED luminaire (round) for installing in ceilings or for ceiling-flush installation (trimless) with multifunctional lamp unit for precise and variable accent lighting in the shop and retail sector
 - TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
 - Sparkling accentuation from precision reflectors delivers exact beam pattern ranging from spot to wide-flood
 - Multifunctional lamp unit rotatable through 360° with pan and tilt (-20°/+77°), ceiling-flush downlight position
 - Colour temperature: 3000 K (LED830/930/TGR: warm white) or 4000 K (LED840/940: neutral white)
 - Colour rendering: Ra 80 (LED830/840) / Ra 90 (LED930/940)
 - Colour rendering LED TGR: Ra > 90
 - Installed load: 29 W or 36 W
 - Luminaire luminous flux: 1900–3500 lm
 - Luminaire efficiency: 65–97 lm/W

	RD/RØ	kg	Order no.	Order no.
LED accent module with cover ring				
			<i>white</i>	<i>black</i>
LED1900-930 flood	200/190	1,8	60 814 561	60 814 560
LED1900-930 spot	200/190	1,8	60 814 559	60 814 558
LED2000-940 flood	200/190	1,8	60 814 565	60 814 564
LED2000-940 spot	200/190	1,8	60 814 563	60 814 562
LED2000-TGR flood	200/190	1,8	60 815 665	60 815 664
LED2000-TGR spot	200/190	1,8	60 815 663	60 815 662
LED2200-830 flood	200/190	1,8	60 814 553	60 814 552
LED2200-830 spot	200/190	1,8	60 814 551	60 814 550
LED2400-840 flood	200/190	1,8	60 814 557	60 814 556
LED2400-840 spot	200/190	1,8	60 814 555	60 814 554
LED2400-TGR flood	200/190	1,8	60 815 673	60 815 672
LED2400-TGR spot	200/190	1,8	60 815 671	60 815 670
LED2800-930 flood	200/190	1,8	60 814 593	60 814 592
LED2800-930 spot	200/190	1,8	60 814 591	60 814 590
LED3000-940 flood	200/190	1,8	60 814 597	60 814 596
LED3000-940 spot	200/190	1,8	60 814 595	60 814 594
LED3400-830 flood	200/190	1,8	60 814 585	60 814 584
LED3400-830 spot	200/190	1,8	60 814 583	60 814 582
LED3600-840 flood	200/190	1,8	60 814 589	60 814 588
LED3600-840 spot	200/190	1,8	60 814 587	60 814 586
LED accent module without frame				
			<i>white</i>	<i>black</i>
LED1900-930 flood	200/190	1,8	60 814 577	60 814 576
LED1900-930 spot	200/190	1,8	60 814 575	60 814 574
LED2000-940 flood	200/190	1,8	60 814 581	60 814 580
LED2000-940 spot	200/190	1,8	60 814 579	60 814 578
LED2000-TGR flood	200/190	1,8	60 815 669	60 815 668
LED2000-TGR spot	200/190	1,8	60 815 667	60 815 666
LED2200-830 flood	200/190	1,8	60 814 569	60 814 568
LED2200-830 spot	200/190	1,8	60 814 567	60 814 566
LED2400-840 flood	200/190	1,8	60 814 573	60 814 572
LED2400-840 spot	200/190	1,8	60 814 571	60 814 570
LED2400-TGR flood	200/190	1,8	60 815 677	60 815 676
LED2400-TGR spot	200/190	1,8	60 815 675	60 815 674
LED2800-930 flood	200/190	1,8	60 814 609	60 814 608
LED2800-930 spot	200/190	1,8	60 814 607	60 814 606
LED3000-940 flood	200/190	1,8	60 814 613	60 814 612
LED3000-940 spot	200/190	1,8	60 814 611	60 814 610
LED3400-830 flood	200/190	1,8	60 814 601	60 814 600
LED3400-830 spot	200/190	1,8	60 814 599	60 814 598
LED3600-840 flood	200/190	1,8	60 814 605	60 814 604
LED3600-840 spot	200/190	1,8	60 814 603	60 814 602
Accessory				
Interchangeable reflector, spot				60 200 106
Interchangeable reflector, flood				60 200 107
Replacement reflector, wideflood				60 200 108
Front ring, white				60 200 074
Front ring, black				60 200 073
Front ring, matt silver				60 200 077
Front ring, chrome				60 200 075
Front ring, copper vaporized				60 200 076
White trim				60 200 060
Black trim				60 200 059



INTRO liteCarve® for 3-phase track

INTRO liteCarve® 3-phase spot unit



- LED spotlight for brilliant accenting on vertical surfaces, displays and shelving in the shop and retail sector
- TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
- Lamp unit: Zumtobel patented liteCarve® free-form reflector technology for homogeneous, rectangular light distribution
- From an LED point light source, the liteCarve® reflector guides the light 100 % indirectly, targeted and without stray light onto the vertical surface
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Lamp unit rotatable through $\pm 90^\circ$ and tiltable through $-5^\circ/+40^\circ$
- Lamp unit of diecast aluminium and PC, coated black or white
- Passive cooling achieved by innovative thermal design
- With converter in separate Zumtobel adapter track box (switchable or dimmable Dali)
- Service life: 50000 h at 70 % luminous flux
- Colour temperature: 3000 K (LED830/930/TGR: warm white) or 4000 K (LED840/940: neutral white)
- Colour rendering:
Ra 80 (LED830/840) /
Ra 90 (LED930/940)
- Colour rendering LED TGR:
Ra > 90
- Installed load: 53 W
- Dimmable Dali version: illuminance level has 5–100 % dimming adjustment
- Mains voltage: 230 V / 50/60 Hz
- Luminaire luminous flux of light element: 2500–3200 lm (approx. 1 KLx at a distance of 1 m)
- Luminaire efficiency: 47–60 lm/W
- Not suitable for point outlets
- Please note: L3+DALI model is only suitable for use with Zumtobel 3-phase/L3+DALI track
- Distance to illuminated surface: 1/3 of installation height (optimum room height: 3 m)

3-phase LED spot unit (with universal adapter)

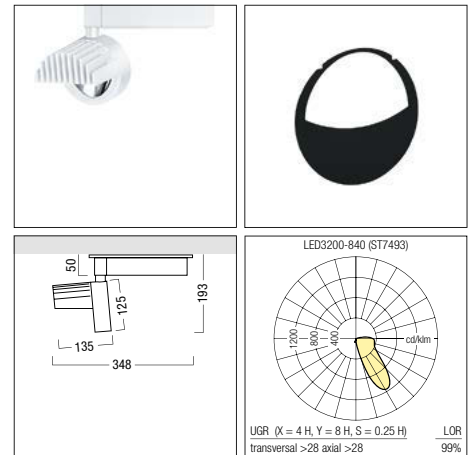
	kg	Order no.	Order no.
LED2600-930	1,6	60 713 199	60 713 198
LED2600-TGR	1,6	60 713 246	60 713 245
LED2800-940	1,6	60 713 201	60 713 200
LED3200-830 <i>eco*</i>	1,6	60 713 195	60 713 194
LED3200-840 <i>eco*</i>	1,6	60 713 197	60 713 196

L3+DALI LED spot unit, dimmable Dali (with universal adapter)

		white	black
LED2600-930, dimmable Dali <i>eco*</i>	1,6	60 713 207	60 713 206
LED2600-TGR, dimmable Dali	1,6	60 713 248	60 713 247
LED2800-940, dimmable Dali <i>eco*</i>	1,6	60 713 209	60 713 208
LED3200-830, dimmable Dali <i>eco*</i>	1,6	60 713 203	60 713 202
LED3200-840, dimmable Dali <i>eco*</i>	1,6	60 713 205	60 713 204

Accessory

Screen, black	60 200 109
Screen, white	60 200 111



|...| Shared properties INTRO S/M

- LED module for precise, diverse accent lighting in the shop and retail sector
- Accent/emergency light modules and module inserts can be combined with each other
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Multifunctional lamp unit rotatable through 360° with pan and tilt (-20°/+90°), ceiling-flush down-light position
- Lamp unit of diecast aluminium, coated black or white
- Front ring (lamp unit) of PC, coated black or white, other colours possible such as chrome, copper or matt silver as further variants
- PC spotlight mounting plate, black or white
- Passive cooling achieved by innovative thermal design
- 3-pole terminal block or 5-pole terminal block for dimmable version
- Through-wiring possible
- Service life: 50000 h at 70 % luminous flux
- Mains voltage: 230 V / 50/60 Hz
- Specular reflector designed to be interchangeable
- Module installation situation offset inwards possible with the "offset kit", see accessories
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction

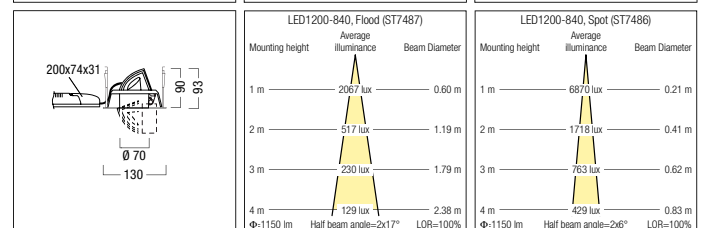
INTRO S



- |...|
- Mounted in INTRO S 1-gang, 2-gang or 3-gang installation frames with trim or plaster surround (trimless), please order separately
- Sparkling accentuation from precision reflector delivers exact spot or flood beam pattern
- Includes control unit, 230 V switchable or dimmable Dali (on request)
- Colour temperature: 3000 K (LED830/930: warm white) or 4000 K (LED840: neutral white)
- Colour rendering index: Ra 80 (LED830/840) / Ra 90 (LED930)
- Installed load: 19 W
- Luminaire luminous flux: 900–1200 lm
- Luminaire efficiency: 47–63 lm/W
- Simple, tool-free mounting of modules in installation frame (single, double or triple) via locking mechanism

LED accent module	kg	Order no.	Order no.
		white	black
LED1200-830 flood <i>eco*</i>	0,6	60 210 572	60 210 571
LED1200-830 spot <i>eco*</i>	0,6	60 210 570	60 210 569
LED1200-840 flood <i>eco*</i>	0,6	60 210 576	60 210 575
LED1200-840 spot <i>eco*</i>	0,6	60 210 574	60 210 573
LED900-930 flood	0,6	60 210 580	60 210 579
LED900-930 spot	0,6	60 210 578	60 210 577
Accessory			
Interchangeable reflector, spot			60 200 104
Interchangeable reflector, flood			60 200 105
Front ring, white			60 200 029
Front ring, black			60 200 028
Front ring, matt silver			60 200 032
Front ring, chrome			60 200 030
Front ring, copper vaporized			60 200 031

Please order INTRO S installation frames separately.



INTRO LED accent light modules for installation frame/channels

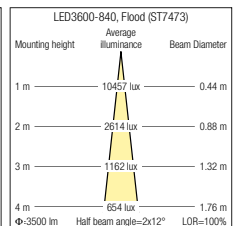
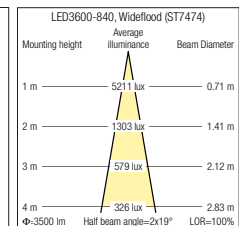
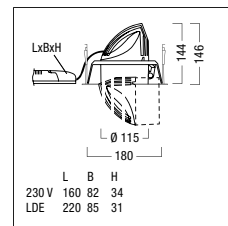
INTRO M



- [...]
 - TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
 - Mounted in INTRO M 1-gang, 2-gang or 3-gang installation frames or installation channels with trim or plaster surround (trimless), please order separately
 - Sparkling accentuation from precision reflectors delivers exact beam pattern ranging from spot to wide-flood
 - Dimmable Dali version: illuminance level has 5–100 % dimming adjustment
 - Includes control unit, 230 V switchable or dimmable Dali
 - Colour temperature: 3000 K (LED830/930/TGR: warm white) or 4000 K (LED840/940: neutral white)
 - Colour rendering:
 - Ra 80 (LED830/840) / Ra 90 (LED930/940)
 - Colour rendering LED TGR: Ra > 90
 - Installed load: 29 W or 36 W
 - Luminaire luminous flux: 1900–3500 lm
 - Luminaire efficiency: 65–97 lm/W
 - Simple, tool-free mounting of modules in installation frame (single, double or triple) or installation channels via locking mechanism

	kg	Order no.	Order no.
LED accent module		<i>white</i>	<i>black</i>
LED1900-930 flood	1,6	60 210 594	60 210 593
LED1900-930 spot	1,6	60 210 650	60 210 649
LED1900-930 wideflood	1,6	60 210 596	60 210 595
LED2000-940 flood	1,6	60 210 598	60 210 597
LED2000-940 spot	1,6	60 210 652	60 210 651
LED2000-940 wideflood	1,6	60 210 600	60 210 599
LED2000-TGR flood	1,6	60 210 671	60 210 670
LED2000-TGR spot	1,6	60 210 669	60 210 668
LED2000-TGR wideflood	1,6	60 210 673	60 210 672
LED2200-830 flood	1,6	60 210 586	60 210 585
LED2200-830 wideflood	1,6	60 210 588	60 210 587
LED2400-840 flood	1,6	60 210 590	60 210 589
LED2400-840 wideflood	1,6	60 210 592	60 210 591
LED2400-TGR flood	1,6	60 210 683	60 210 682
LED2400-TGR spot	1,6	60 210 681	60 210 680
LED2400-TGR wideflood	1,6	60 210 685	60 210 684
LED2800-930 flood	1,6	60 210 618	60 210 617
LED2800-930 spot	1,6	60 210 654	60 210 653
LED2800-930 wideflood	1,6	60 210 620	60 210 619
LED3000-940 flood	1,6	60 210 622	60 210 621
LED3000-940 spot	1,6	60 210 656	60 210 655
LED3000-940 wideflood	1,6	60 210 624	60 210 623
LED3400-830 flood	1,6	60 210 610	60 210 609
LED3400-830 wideflood	1,6	60 210 612	60 210 611
LED3600-840 flood	1,6	60 210 614	60 210 613
LED3600-840 wideflood	1,6	60 210 616	60 210 615
LED accent light module, dimmable DALI		<i>white</i>	<i>black</i>
LED1900-930 flood, dimmable Dali	1,6	60 210 602	60 210 601
LED1900-930 wideflood, dimmable Dali	1,6	60 210 604	60 210 603
LED2000-940 flood, dimmable Dali	1,6	60 210 606	60 210 605
LED2000-940 wideflood, dimmable Dali	1,6	60 210 608	60 210 607
LED2000-TGR flood, dimmable Dali	1,6	60 210 677	60 210 676
LED2000-TGR spot, dimmable Dali	1,6	60 210 675	60 210 674
LED2000-TGR wideflood, dimmable Dali	1,6	60 210 679	60 210 678
LED2400-TGR flood, dimmable Dali	1,6	60 210 689	60 210 688
LED2400-TGR spot, dimmable Dali	1,6	60 210 687	60 210 686
LED2400-TGR wideflood, dimmable Dali	1,6	60 210 691	60 210 690
LED2800-930 flood, dimmable Dali	1,6	60 210 626	60 210 625
LED2800-930 wideflood, dimmable Dali	1,6	60 210 628	60 210 627
LED3000-940 flood, dimmable Dali	1,6	60 210 630	60 210 629
LED3000-940 wideflood, dimmable Dali	1,6	60 210 632	60 210 631
Accessory			
Interchangeable reflector, spot			60 200 106
Interchangeable reflector, flood			60 200 107
Replacement reflector, wideflood			60 200 108
Front ring, white			60 200 074
Front ring, black			60 200 073
Front ring, matt silver			60 200 077
Front ring, chrome			60 200 075
Front ring, copper vaporized			60 200 076

Please order INTRO M installation frames or installation channels separately.



INTRO M liteCarve®



- LED module for brilliant accenting on vertical surfaces, displays and shelving in the shop and retail sector
- TGR (True Gamut Rendering) version: enables lively colour effects particularly with white and coloured apparel
- Mounted in INTRO M 1-gang, 2-gang or 3-gang installation frames or installation channels with trim or plaster surround (trimless), please order separately
- Accent/emergency light modules and module inserts can be combined with each other
- Lamp unit: Zumtobel patented liteCarve® free-form reflector technology for homogeneous, rectangular light distribution
- From an LED point light source, the liteCarve® reflector guides the light 100 % indirectly, targeted and without stray light onto the vertical surface
- Specular reflector of aluminised PC, highly specular, iridescence-free
- Lamp unit has ±10° tilt
- Lamp unit of diecast aluminium and PC, coated black or white
- PC reflector, coated black or white, other colours such as chrome, copper or matt silver also available as variants
- PC spotlight mounting plate, black or white
- Passive cooling achieved by innovative thermal design
- Includes control unit, 230 V switchable or dimmable Dali (on request)
- 3-pole terminal block or 5-pole terminal block for dimmable version
- Through-wiring possible
- Service life: 50000 h at 70 % luminous flux
- Colour temperature: 3000 K (LED830/930/TGR: warm white) or 4000 K (LED840/940: neutral white)
- Colour rendering: Ra 80 (LED830/840) / Ra 90 (LED930/940)
- Colour rendering LED TGR: Ra > 90
- Installed load: 53 W
- Mains voltage: 230 V / 50/60 Hz
- Luminaire luminous flux of lamp unit: 2100–2800 lm (approx. 1 KLx at distance of 1 m)
- Luminaire efficiency: 40–53 lm/W
- Simple, tool-free mounting of modules in installation frame (single, double or triple) or installation channels via locking mechanism
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction
- Distance to illuminated surface: 1/3 of installation height (optimum room height: 3 m)

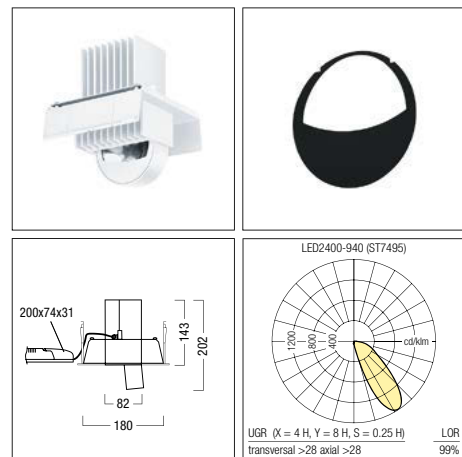
LED accent module

	kg	Order no.	Order no.
		white	black
LED1800-TGR	2,0	60 210 693	60 210 692
LED2200-930	2,0	60 210 646	60 210 645
LED2400-940	2,0	60 210 648	60 210 647
LED2600-830	2,0	60 210 642	60 210 641
LED2800-840	2,0	60 210 644	60 210 643

Accessory

Screen, white	60 200 111
Screen, black	60 200 109

Please order INTRO M installation frames or installation channels separately.



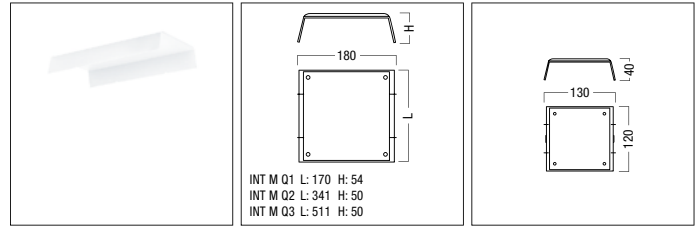
INTRO LED modules / module inserts for installation frames/channels

INTRO S/M blank insert



- Blank inserts for closing module openings in INTRO S/M installation frame (single, double or triple) or in INTRO M installation channel
- PC insert (single), black or white
- Sheet steel insert (double/triple), coated black or white

Module insert	kg	Order no.	
		white	black
Blank insert INTRO M, double	0,5	60 200 070	60 200 069
Blank insert INTRO M, single	0,1	60 200 068	60 200 067
Blank insert INTRO M, triple	0,8	60 200 072	60 200 071
Blank insert INTRO S, single	0,1	60 200 023	60 200 022

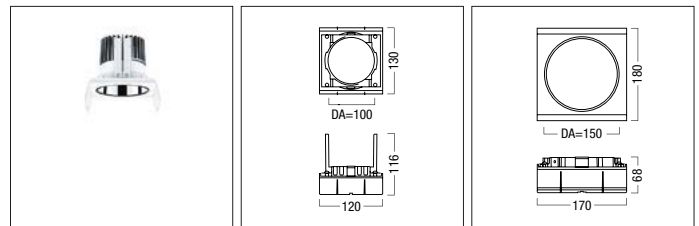


INTRO S/M module insert for PANOS infinity / evolution E100/E150



- Module inserts for accommodating PANOS infinity LED recessed ceiling luminaires (ceiling-flush/trimless) in INTRO S / INTRO M installation frames or INTRO M installation channels
- Accent/emergency light modules and module inserts can be combined with each other
- PC spotlight mounting plate, black or white
- PANOS infinity LED recessed ceiling luminaires (ceiling-flash/trimless) must be ordered separately

Module insert	kg	Order no.	
		white	black
INTRO M for PANOS infinity E150 (flush with ceiling)	0,3	60 200 079	60 200 078
INTRO S for PANOS infinity E100/R100 (flush with ceiling)	0,2	60 200 034	60 200 033



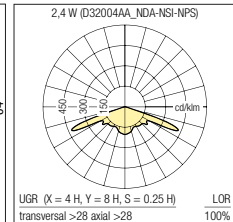
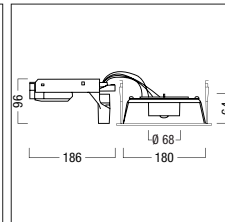
INTRO M RESCLITE (emergency light unit)



- Emergency light LED module for escape route and antipanic lighting with minimum of 0.5 lux in accordance with EN 1838
- Mounted in INTRO M 1-gang, 2-gang or 3-gang installation frames or installation channels with trim or plaster surround (trimless), please order separately
- Accent/emergency light modules and module inserts can be combined with each other
- Emergency light component (NDA) for central single monitoring via Dali
- Emergency light component (NSI) for group battery system
- Emergency light components (NT1/NT3) single battery, 1 h / 3 h addressing, automatic or central emergency light function test
- Polycarbonate lens
- Lamp unit of diecast aluminium, coated black or white
- PC spotlight mounting plate, black or white
- Passive cooling achieved by innovative thermal design
- 3-pole connection terminal
- Through-wiring possible
- Power-LED with thermal management, constant luminous flux over the entire service life of the luminaire
- Colour temperature: daylight white
- Installed load of all RESCLITE emergency light modules <5 W, standby consumption <1.5 W
- Mains voltage: 230 V / 50/60 Hz
- Simple, tool-free mounting of modules in installation frame (single, double or triple) or installation channels via locking mechanism
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction
- Optimum room height: 2.2–5 m

Emergency lighting module

	kg	Order no.	Order no.
		white	black
4 W LED, emergency light NT1 (single battery, addressable, 1 h)	0,8	60 210 638	60 210 637
4,5 W LED, emergency light NT3 (single battery, addressable, 3 h)	0,8	60 210 640	60 210 639
5 W LED, emergency light NDA (central, individual monitoring, Dali)	0,7	60 210 634	60 210 633
5 W LED, emergency light NSI (group battery system)	0,7	60 210 636	60 210 635



INTRO installation frame/-channels and accessories

INTRO S installation frame



- Installation frame with trim or plaster surround for simple mounting of LED accent modules and INTRO S module inserts
- Frame in 1-gang (square), 2-gang or 3-gang versions with with trim or plaster surround (trimless)
- Trim material: diecast aluminium with PC end caps
- Plaster surround material (trimless): extruded aluminium with stainless steel end caps
- Colour: white or black
- Frames serve as platform for the flexible combination of modules and inserts
- Recessed depth 200 mm
- Frameless version (trimless): plaster surround providing clean edge for smooth on-site filling of mounting joints with plaster
- Tool-free mounting of installation frame with trim via spring clips
- Ceiling thicknesses (trim): 1–25 mm
- Ceiling thicknesses (plaster surround): 12.5 mm and 25 mm height setting for mounting angle, see mounting instructions
- Simple, tool-free mounting of modules in installation frame (single, double or triple) via locking mechanism
- Module installation situation offset inwards possible with the “offset kit”, see accessories
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction

Installation frame with cover trim INTRO S

	kg	Order no.
3-gang, black inner / black outer	0,4	60 200 043
3-gang, black inner / white outer	0,4	60 200 046
3-gang, white inner / black outer	0,4	60 200 045
3-gang, white inner / white outer	0,4	60 200 044
single, black inner / black outer	0,3	60 200 035
single, black inner / white outer	0,3	60 200 038
single, white inner / black outer	0,3	60 200 037
single, white inner / white outer	0,3	60 200 036
twin, black inner / black outer	0,4	60 200 039
twin, black inner / white outer	0,4	60 200 042
twin, white inner / black outer	0,4	60 200 041
twin, white inner / white outer	0,4	60 200 040

Installation frame with plaster surround INTRO S

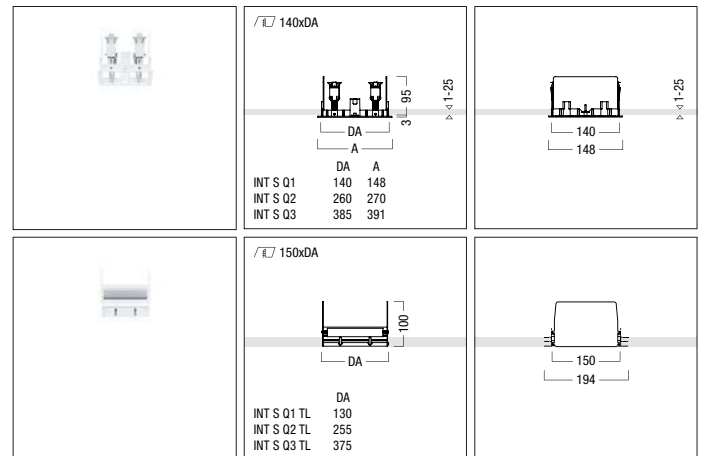
3-gang, black inner	0,8	60 200 055
3-gang, white inner	0,8	60 200 056
single, black inner	0,5	60 200 047
single, white inner	0,5	60 200 048
twin, black inner	0,6	60 200 051
twin, white inner	0,6	60 200 052

Accessory

Mounting bridge set (10 pc.) for stabilisation 60 200 009

Please order INTRO S LED accent modules/inserts separately.

Recommendation for triple installation frame with plaster surround: use mounting bridge (60 200 009) for stabilisation.



INTRO M installation frame



- Installation frame with trim or plaster surround for simple mounting of LED accent modules/emergency light modules and INTRO M module inserts
- Frame in 1-gang (square), 2-gang or 3-gang versions with with trim or plaster surround (trimless)
- Trim material: diecast aluminium with PC end caps
- Plaster surround material (trimless): extruded aluminium with stainless steel end caps
- Colour: white or black
- Frames serve as platform for the flexible combination of modules and inserts
- Blank inserts possible for closing of module openings, please order separately
- Recessed depth 200 mm
- Frameless version (trimless): plaster surround providing clean edge for smooth on-site filling of mounting joins with plaster
- Tool-free mounting of installation frame with trim via spring clips
- Ceiling thicknesses (trim): 1–25 mm
- Ceiling thicknesses (plaster surround): 12.5 mm and 25 mm height setting for mounting angle, see mounting instructions
- Simple, tool-free mounting of modules in installation frame (single, double or triple) via locking mechanism
- Module installation situation offset inwards possible with the “offset kit”, see accessories
- Variants (on request): various colour combinations (design personalisations) of single components possible due to modular construction

Installation frame with trim INTRO M

	kg	Order no.
3-gang, black inner / black outer	0,6	60 200 088
3-gang, black inner / white outer	0,6	60 200 091
3-gang, white inner / black outer	0,6	60 200 090
3-gang, white inner / white outer	0,6	60 200 089
single, black inner / black outer	0,4	60 200 080
single, black inner / white outer	0,4	60 200 083
single, white inner / black outer	0,4	60 200 082
single, white inner / white outer	0,4	60 200 081
twin, black inner / black outer	0,5	60 200 084
twin, black inner / white outer	0,5	60 200 087
twin, white inner / black outer	0,5	60 200 086
twin, white inner / white outer	0,5	60 200 085

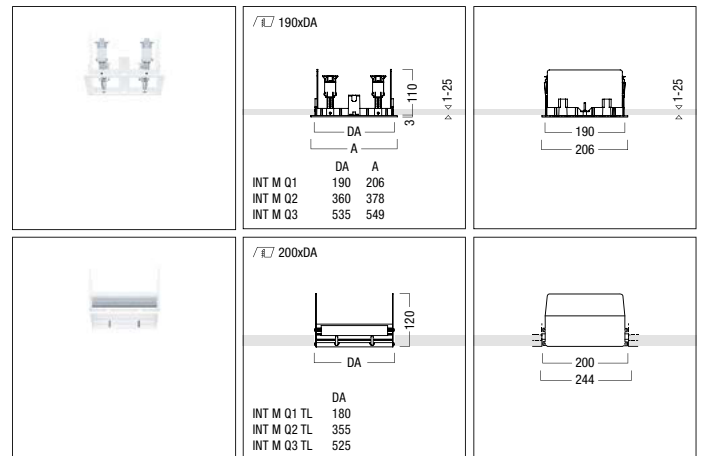
Installation frame with plaster surround INTRO M

3-gang, black inner	1,2	60 200 100
3-gang, white inner	1,2	60 200 101
single, black inner	0,7	60 200 092
single, white inner	0,7	60 200 093
twin, black inner	1,0	60 200 096
twin, white inner	1,0	60 200 097

Accessory

Mounting bridge set (10 pc.) for stabilisation 60 200 010

Please order INTRO M LED accent/emergency light modules/inserts separately. Recommendation for triple installation frame with plaster surround: use mounting bridge (60 200 010) for stabilisation.



INTRO installation frame/-channels and accessories

INTRO M installation channel (without frame)



- Installation channels with plastering edge (without trim) as modular ceiling recessing system for the ceiling-flush, continuous installation of LED accent/emergency light modules and INTRO M module inserts
- Channel module lengths: 12-gang (total length: 2056 mm) and 24-gang (total length: 4111 mm)
- Material: extruded aluminium section
- Colour: white or black
- Channel serves as platform for the flexible combination of modules and inserts
- Blank inserts possible for closing of module openings, please order separately
- Recessed depth 200 mm
- Please order mounting bridge as a mounting aid for installation separately, see accessories
- End cap pair (2 pcs.) for the channel unit, and channel connection set (2 pins) four lengths > 4111 mm must be ordered separately, see accessories
- Plaster surround providing clean edge for on-site filling of mounting joints with plaster
- Ceiling thicknesses: 12.5 mm and 25 mm height setting for mounting angle, see mounting instructions
- Simple, tool-free mounting of modules in the installation channel via locking mechanism
- Module installation situation offset inwards possible with the "offset kit", see accessories
- Channel units can be cut to length on-site, special lengths on request

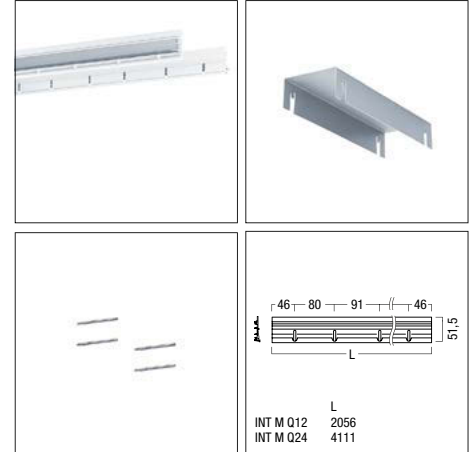
Installation channel with plaster surround INTRO M

	kg	Order no.
12-gang, black inner black	2,8	60 200 000
12-gang, white inner white	2,8	60 200 001
24-gang, black inner black	5,6	60 200 002
24-gang, white inner white	5,6	60 200 003

Accessory

Channel connector set (mechanical)		60 200 004
Mounting bridge set (10 pc.) for stabilisation		60 200 010

Please order INTRO M LED accent modules/inserts, end caps and mounting bridges separately. Recommendation with mounting bridge for stabilisation: every 500 mm.

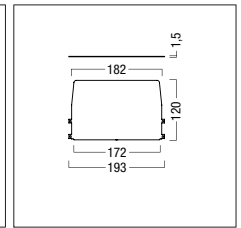


INTRO M installation channel end cap pair



- For screw-fastening to the ends of the installation channel profile on-site
- End caps of stainless steel, coated black or white

	kg	Order no.	Order no.
		<i>white</i>	<i>black</i>
Pair of end plates for INTRO M installation channel (frameless)	0,5	60 200 008	60 200 007

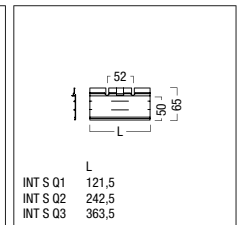
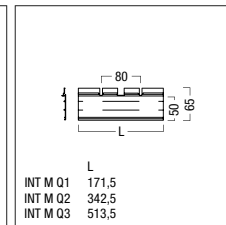
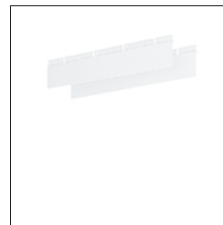


INTRO Offset Kit (for increasing module recessed depth)



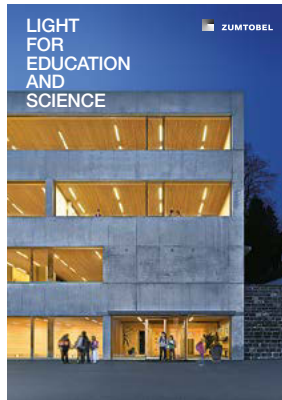
- The "offset kit" enables module installation situations completely offset inwards in the INTRO S/M installation frame or INTRO M installation channel
- Extruded aluminium, black or white
- Easy to install without tools

	kg	Order no.	Order no.
		<i>white</i>	<i>black</i>
Offset kit for recessed depth (+50 mm)			
INTRO M, double	0,2	60 200 064	60 200 063
INTRO M, single	0,1	60 200 062	60 200 061
INTRO M, triple	0,3	60 200 066	60 200 065
INTRO S, double	0,2	60 200 019	60 200 018
INTRO S, single	0,1	60 200 017	60 200 016
INTRO S, triple	0,2	60 200 021	60 200 020





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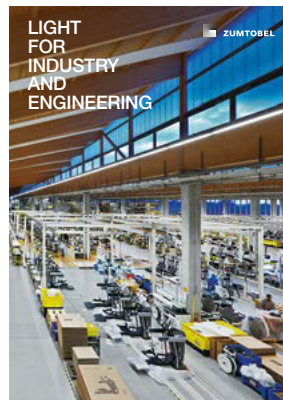
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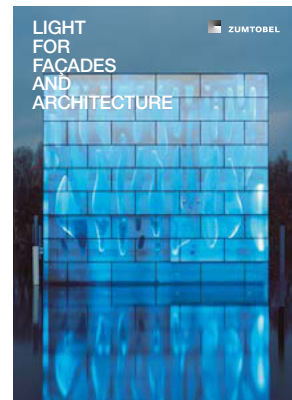
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