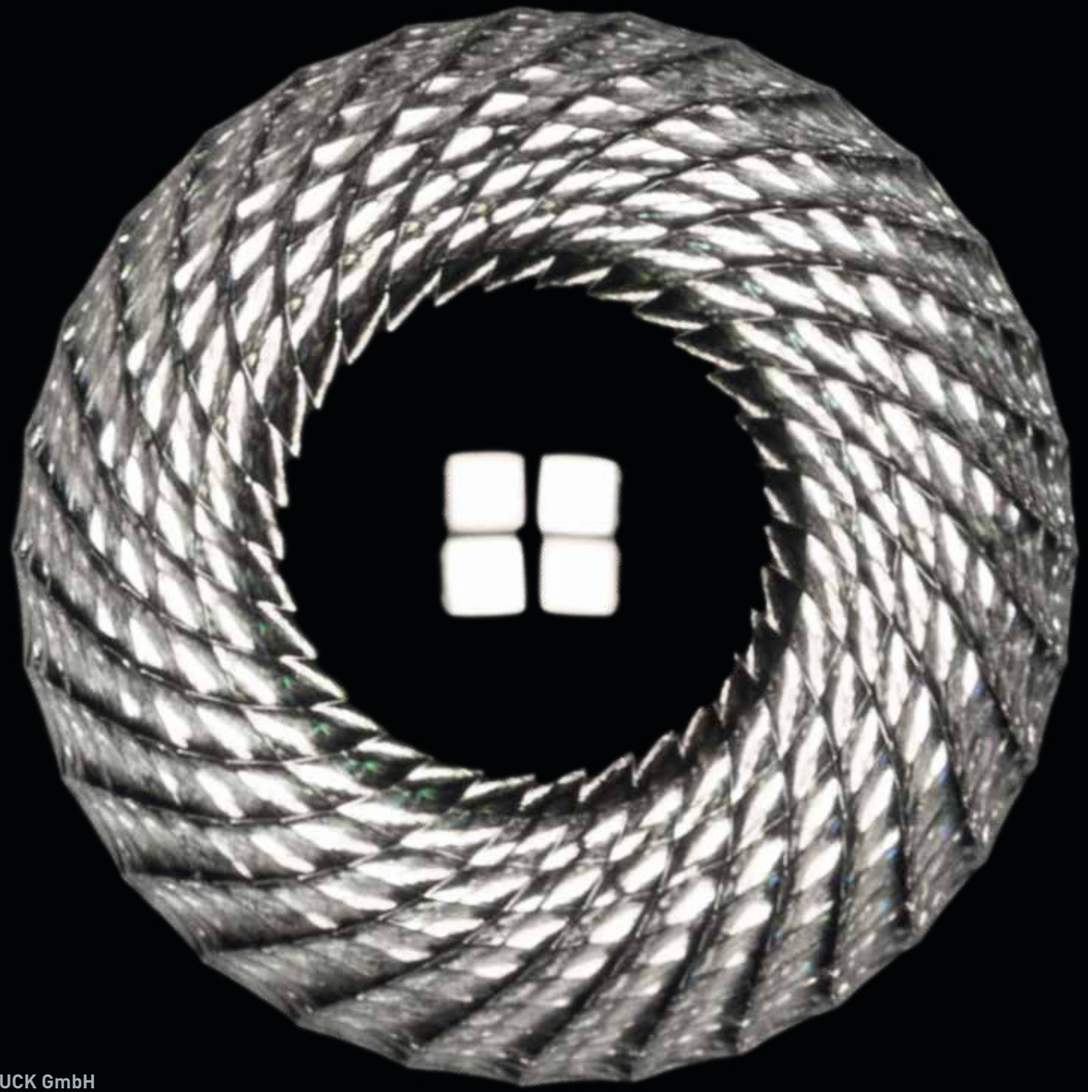


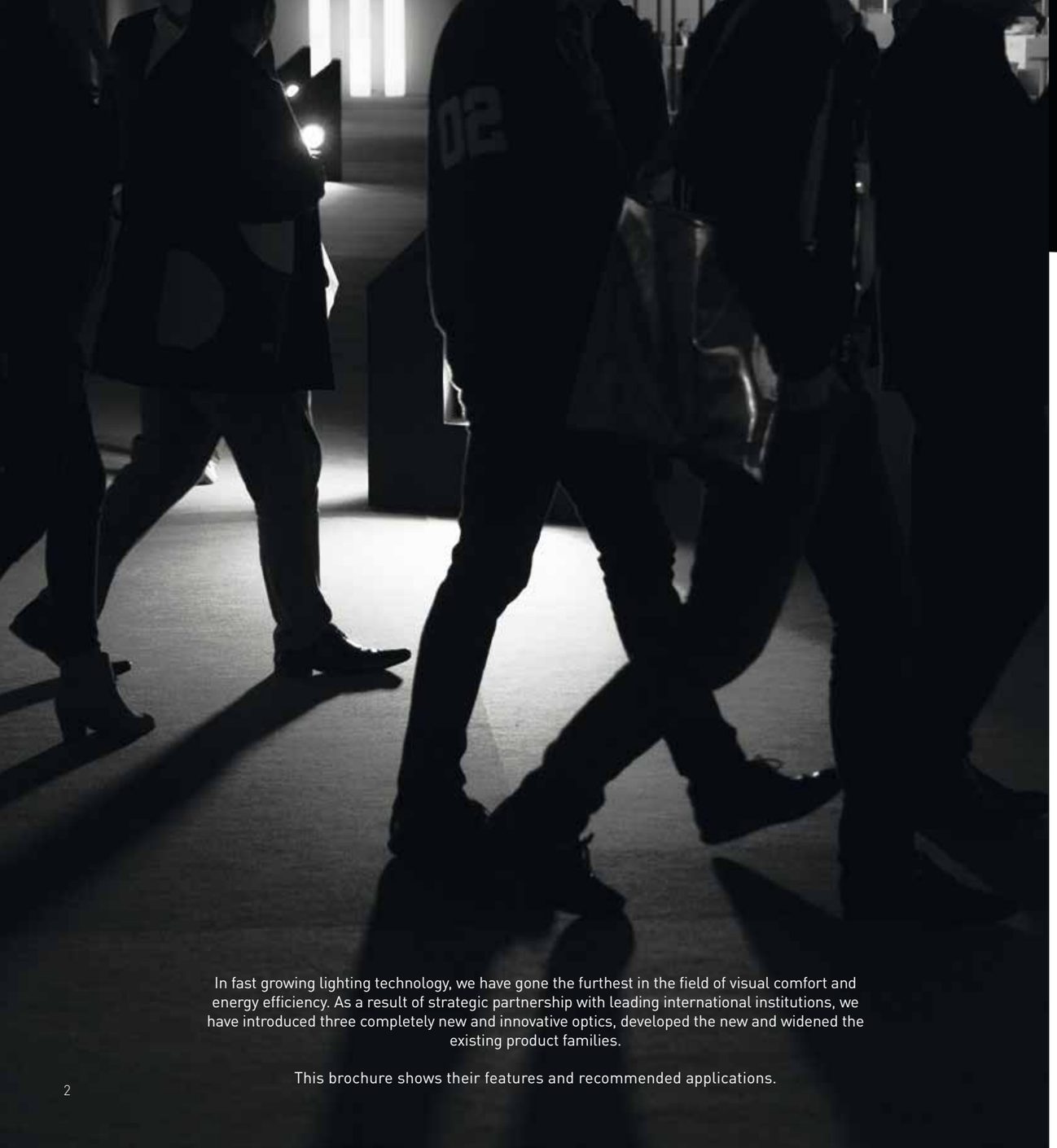
BUCK

NEW LIGHTING SOLUTIONS

Wall washer optic WW
Lens focal optic LFO
Micro downlighters MD

BUCK GmbH
Taunstor 1
60310 Frankfurt am Main
office@bucklicht.de
www.buck.lighting
tel +49.731.950.32.330

BUCK
www.buck.lighting



In fast growing lighting technology, we have gone the furthest in the field of visual comfort and energy efficiency. As a result of strategic partnership with leading international institutions, we have introduced three completely new and innovative optics, developed the new and widened the existing product families.

This brochure shows their features and recommended applications.

BUCK is a company with 26 years of lighting experience. Ever since the first days, BUCK has been oriented to high quality illumination and application and promotion of good design through all the aspects of the work.

INNOVATION

Innovative products and lighting design solutions create a feedback loop in improvement of existing and application of new production technologies, further leading to more innovation in more efficient and extraordinary lighting applications.

DESIGN

Design is one of key words explaining the essence of BUCK's way of work. It relates both to application of original industrial design of luminaires and to consulting and application of those products in lighting design. Lighting design has grown to a respectable and important branch, making professionals in this field a driving force for luminaire producers, always looking out for more beautiful, efficient and original lighting products for creation of a unique lighting experience.

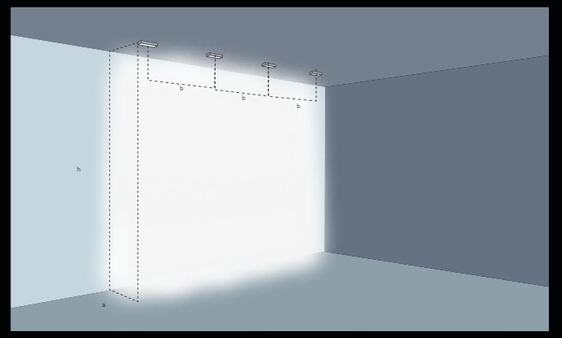
TECHNOLOGY

Besides applying the available technology in our production, we are proud to improve it one-step at the time, especially in the fields of ease of installation, optical efficiency, application of LED and thermal management, which are our point of particular interest.

SAVINGS

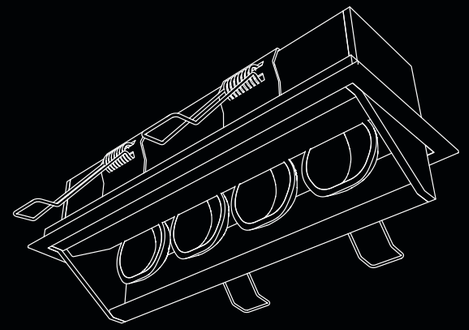
It is with great confidence that we can state that our products provide significant savings due to their longevity (additionally secured by our 5 year warranty), energy efficiency and reliability of luminaires and lighting systems. During the exploitation period they require little or no maintenance, reducing the additional costs to minimum.

WW Wall washing component is based on reflectors with complex- surface micro- facet technology. The reflectors ensure high uniformity in lighting distribution on plane with characteristic elongation in vertical direction. Precise cut off eliminating glare in adjacent areas.



MICRO 1x4 WW
uniformity according to 3 consecutive luminaires in a longer line arrangement

Ceiling hight	Distance from the wall	Recommended distance between luminaires
h	a	b
3,00 m	0,80 – 0.9 m	0,80 – 1,00 m
3,50 m	0.90 – 1.0 m	0,90 – 1,10 m
4,00 m	1,00 – 1,10 m	1,10 – 1.30 m
4,50 m	1.10 – 1.20 m	1,20 – 1.40 m



MICRO WW

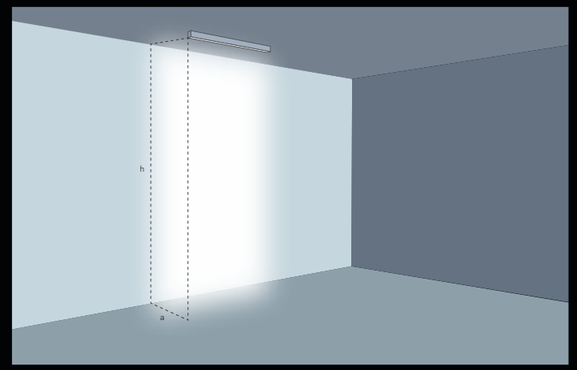
Dimensions A/B/H	194/70/126, 354/70/126, 514/70/126 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	925-4488lm
Total power	9-45W
Luminaire efficiency	100-103 lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam angle	85°/90°
LED service life	50.000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

SYSTEMS

SUSPENDED LUMINAIRES: **DUAL S WW, PRIMA S WW/S**
CEILING MOUNTED LUMINAIRES: **PRIMA S WW**
CEILING RECESSED LUMINAIRES: **INSERT S TLS WW**

DUAL S WW

Dimensions A/B/H	846/60/136, 1126/60/136, 1406/60/136, 2248/60/136mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	4918- 13115lm
Total power	37- 98W
Luminaire efficiency	134 lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
LED service life	50000h L80B10/SCDM3
Power supply	220-240V, 50-60Hz
Control gear	ECG, DALI



INSERT S TLS WW
plan 3,6 x 4,8 m - wall lenght 4,8m - luminaire lenght 1126mm, 4pcs

Ceiling hight	Recommended distance from the wall
h	a
3,00 m	0,80 – 0,90 m
3,50 m	1,00 – 1,10 m
4,00 m	1,10 – 1,20 m
4,50 m	1,20 – 1,30 m

INSERT S TLS WW

PRIMA S WW

PRIMA S WW / INSERT S TLS WW

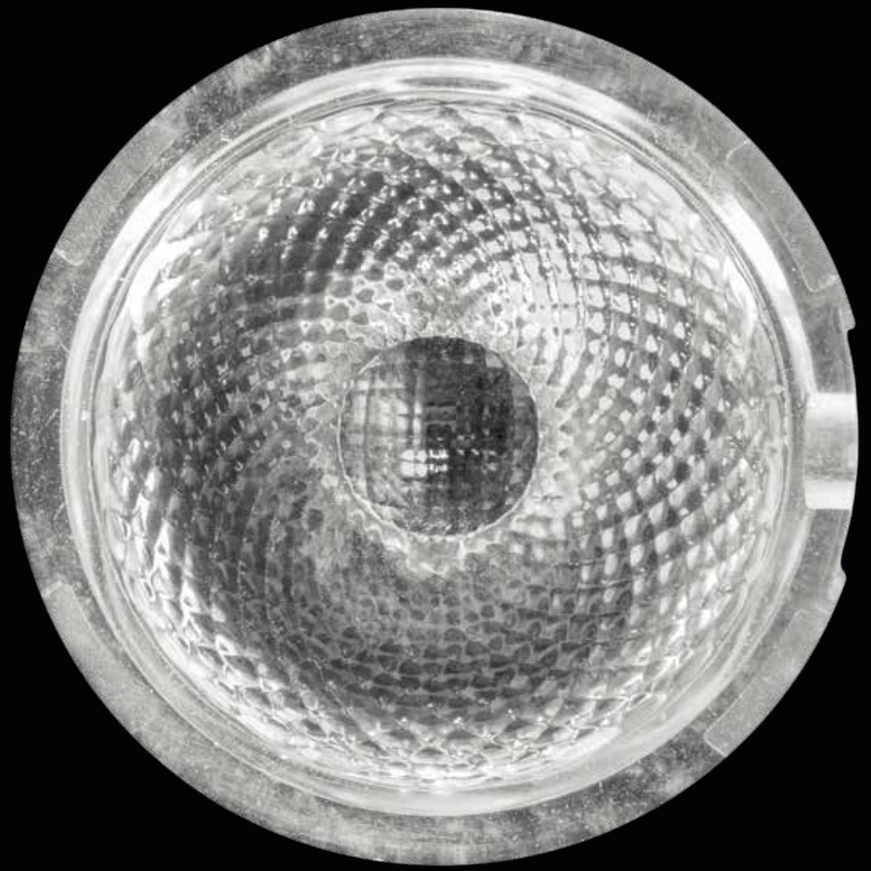
Dimensions A/BH	846/60/136, 1126/60/136, 1406/60/136, 2248/60/136mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	2081-5549lm
Total power	19-51W
Luminaire efficiency	109 lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
LED service life	50.000h L80B10 / SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

QUARTZ BHU

Dimensions A/B/H	1200/120/155mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	6836lm
Total power	78W
Luminaire efficiency	88lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
LED service life	50000h L80B10/SCDM3
Power supply	220-240V, 50-60Hz
Control gear	ECG, DALI

QUARTZ

Dimensions A/B/H	280/127/57, 560/127/57, 840/127/57, 1120/127/57, 1400/127/57mm, 2244/127/57mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	1071- 8571lm
Total power	13,5-107W
Luminaire efficiency	80 lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI



LF0 Lens made of PMMA, retracted from the bottom surface of the luminaire, emitting light through perforation on the surface. Retraction from the perforation enables invisibility of the light source, providing full visual comfort. Light from nowhere.

PIKO

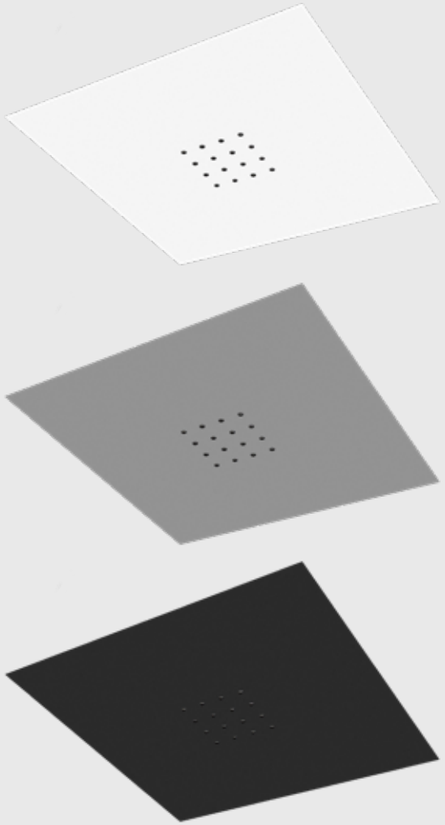
Dimensions Ø/H	60/89 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	240lm
Total power	4,7W
Luminaire efficiency	51lm/W
Light colour temperature	4000K
CRI	>80
Light beam	60°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

PIKO C

PIKO S

PIKO C / PIKO S

Dimensions Ø/H	45/500 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	240lm
Total power	4,7W
Luminaire efficiency	51lm/W
Light colour temperature	4000K
CRI	>80
Light beam	60°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI



MATRIX

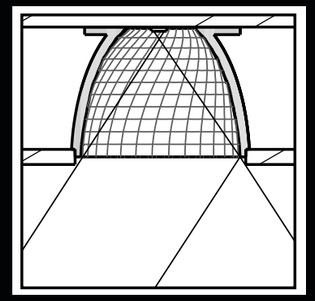
Dimensions A/B/H	595/595/30mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	3289lm
Total power	47W
Luminaire efficiency	70 lm/W
Light colour temperature	4000K
CRI	>80
LED service life	50.000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

MINI VELA 1 PIKO

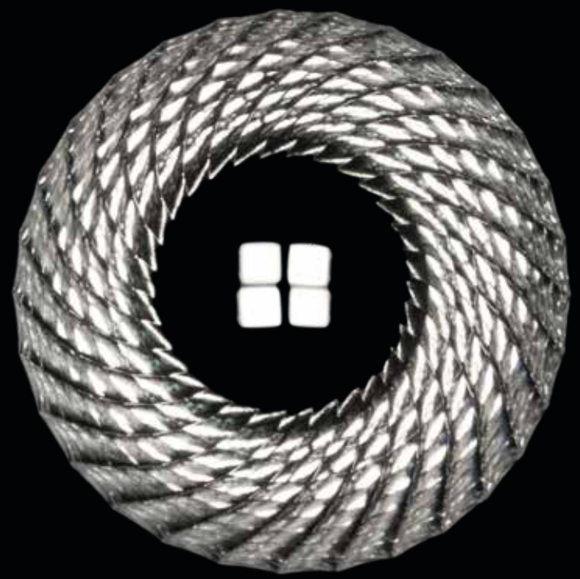
Dimensions A/B/H1/H2	1520/168/13/44mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	8010lm
Total power	85W
Luminaire efficiency	94lm/W
Light colour temperature	4000K
CRI	>80
LED service life	50000h L80B10/SCDM3
Power supply	220-240V, 50-60Hz
Control gear	ECG, DALI

MINI VELA 1 PIKO

DIRECT | INDIRECT



MD Micro downlighter reflectors with complex surfaces geometry of micro facets allow precise shaping of light beam. Angles of direct light beam and light reflected from reflector are almost perfectly aligned, providing sharp cut off for full visual comfort (UGR < 19).



Light beam angles

75°

55°

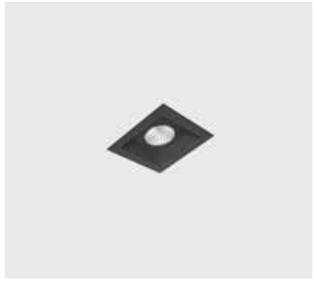
35°

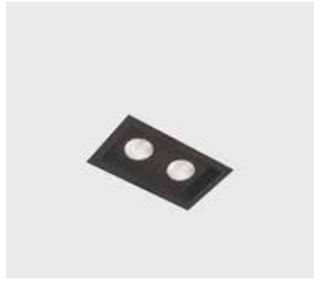
MICRO

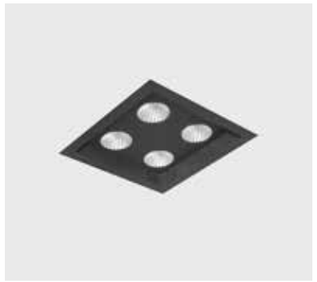
Dimensions Ø/H	60/95, 60/87, 60/82 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	483-537lm
Total power	5W
Luminaire efficiency	97-107lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam	35°/55°/75°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

MICRO C / MICRO S

Dimensions Ø/H	45/500 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	483-537lm
Total power	5W
Luminaire efficiency	97-107lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam	35°/55°/75°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI







MICRO MD1 | MICRO MD2 | MICRO MD4 | MICRO QUADRO | MICRO MD8

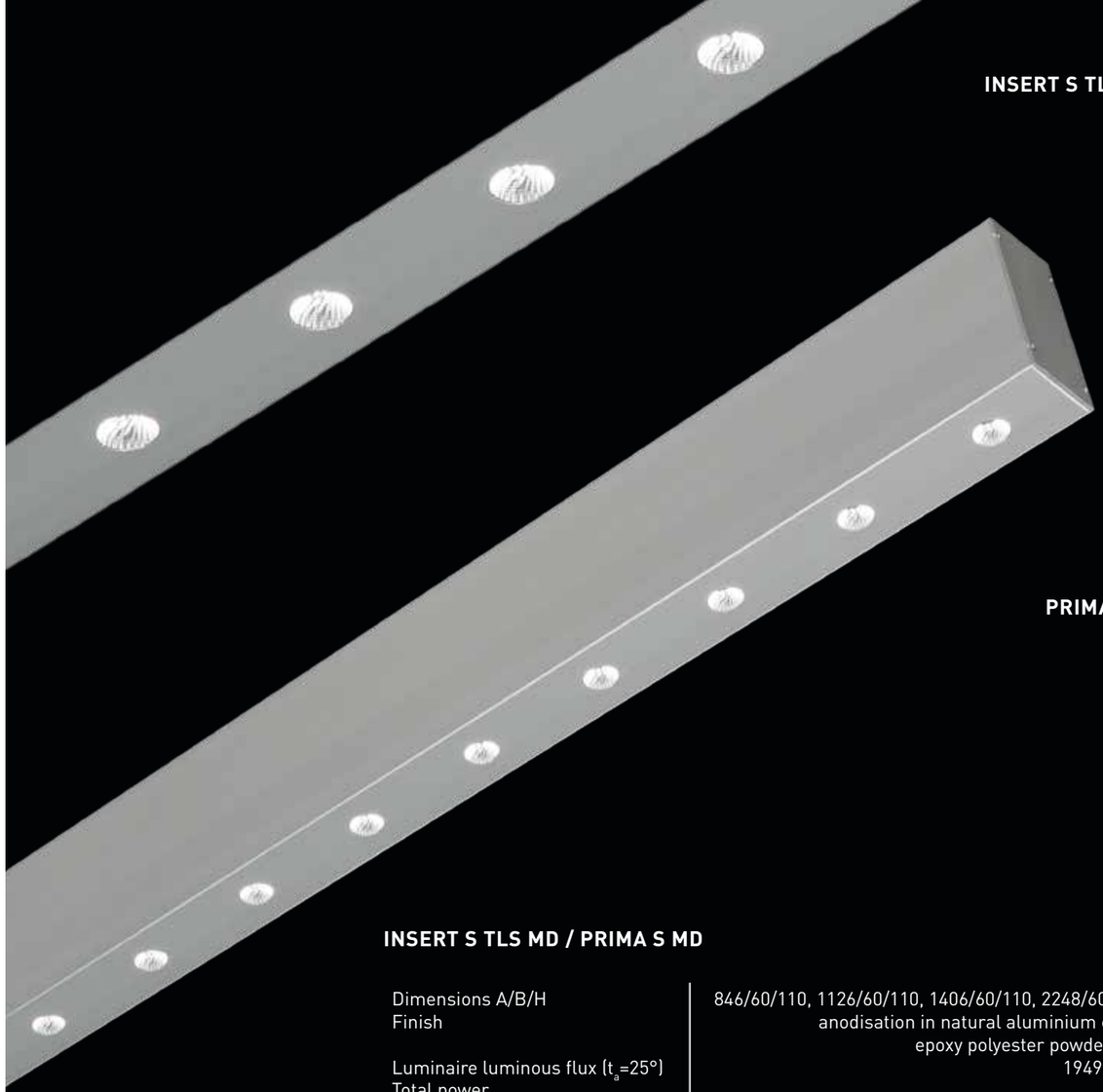
Dimensions A/B/H	58/58/60, 100/58/60, 180/58/60, 100/100/60, 340/58/60mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	483- 3111lm
Total power	5-31W
Luminaire efficiency	97-100lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam	35°/55°/75°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

ASTERISK

Dimensions A/B/H	595/595/20mm, 1195/295/20mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	3500lm
Total power	24W
Luminaire efficiency	146lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

DUAL S MD

Dimensions A/B/H	846/60/110, 1126/60/110, 1406/60/110, 2248/60/110mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	4787- 13345lm
Total power	36-94W
Luminaire efficiency	133-142lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam	35°/55°/75°
LED service life	50000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

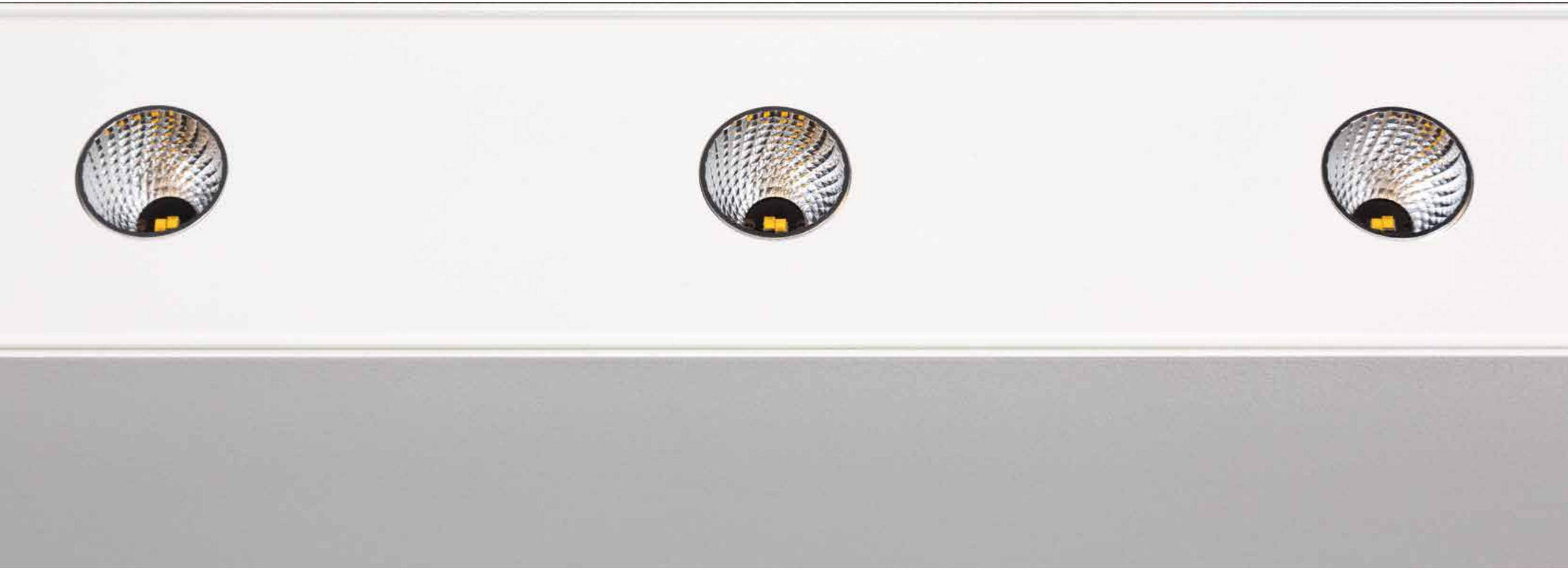


INSERT S TLS MD

PRIMA S MD

INSERT S TLS MD / PRIMA S MD

Dimensions A/B/H	846/60/110, 1126/60/110, 1406/60/110, 2248/60/110mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	1949- 5778lm
Total power	18-49W
Luminaire efficiency	108-118 lm/W
Light colour temperature	4000K/DYW and other
CRI	>80
Light beam angle	35°/55°/75°
LED service life	50.000h L80B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI



HUMAN CENTRIC LIGHT

The approach to artificial illumination imitating the particularities of natural light, change of light colour temperature and intensity in the closed space as if it were open is commonly known as Humancentric light. The daytime cycle is known to influence human biorhythm, and by approaching the quality of artificial lighting to certain natural light qualities, great benefits to well- being are noted. This relates especially to senior citizens in nursing homes who spend a lot of time indoors, with deteriorated neurologic and ophthalmologic sensitivity and some types of neurological patients. Application of humancentric light also helps recovering patients in faster recovery, preventing sleep and other disorders related to natural light deprivation.

DYNAMIC WHITE

By combining luminaires and lighting control systems, you can create various light scenarios in a single space.