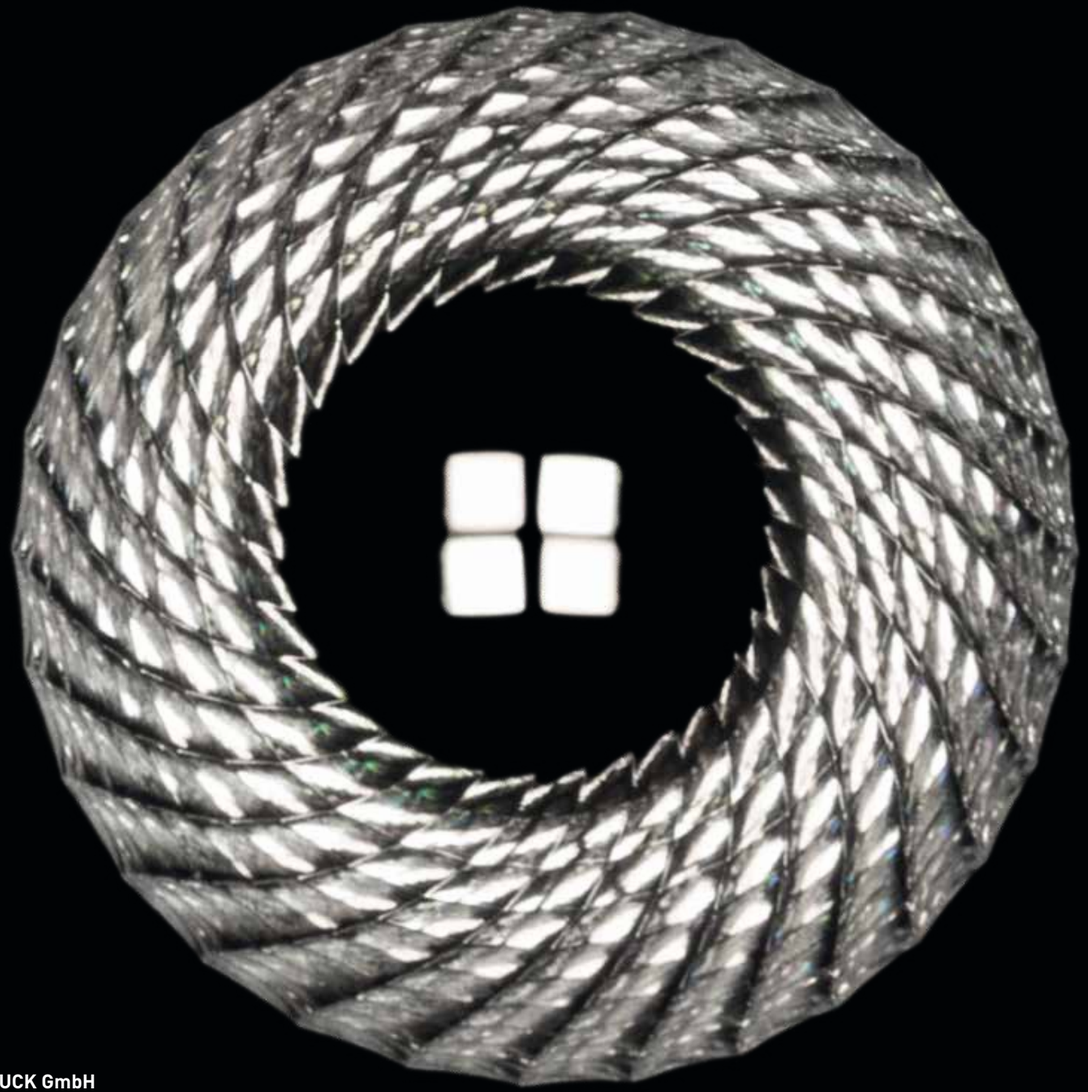

BUDEC

NEW LIGHTING SOLUTIONS

Wall washer optic WW
Focal lens optic FLO
Micro downlighters MD

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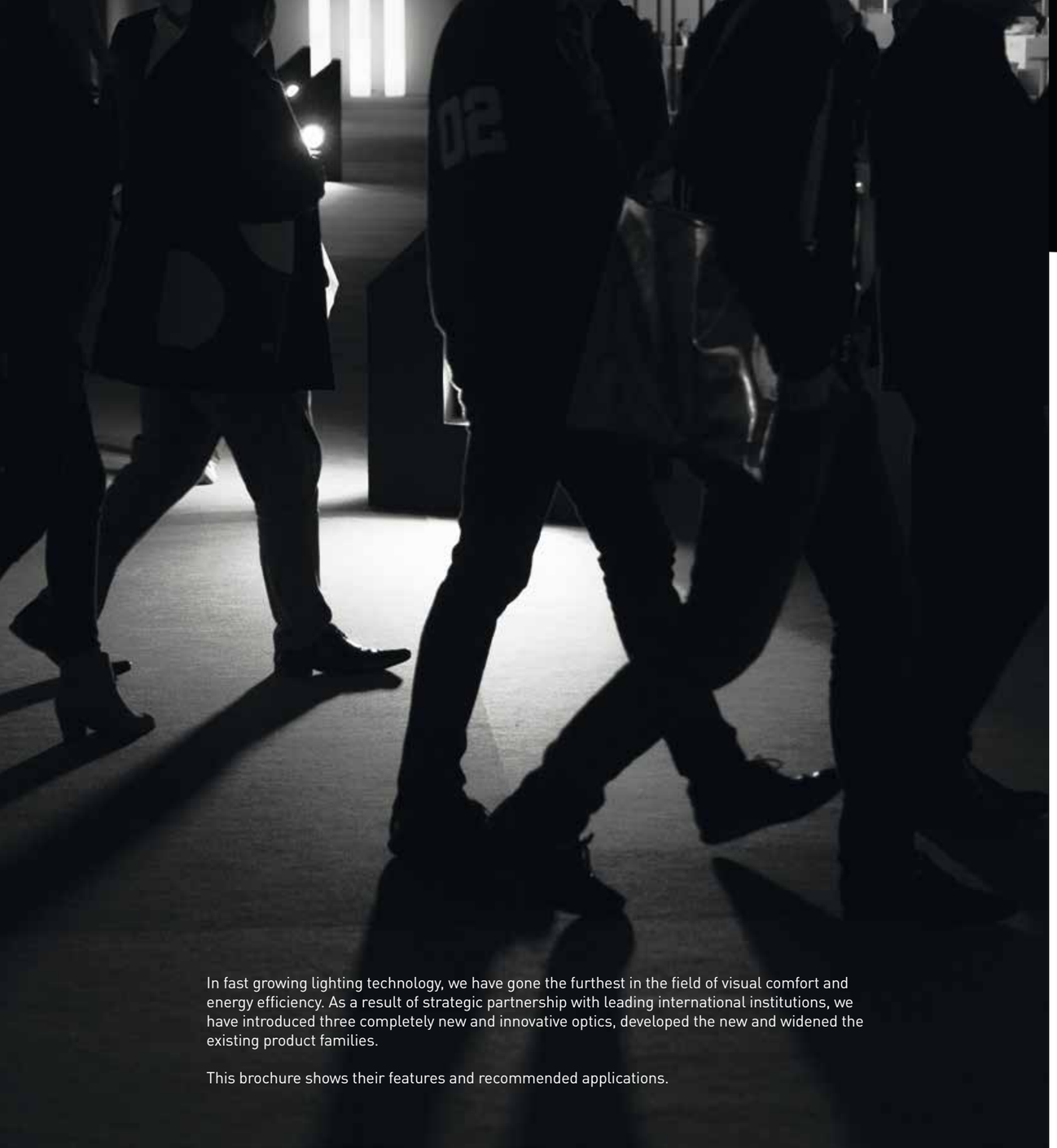


In fast growing lighting technology, we have gone the furthest in the field of visual comfort and energy efficiency. As a result of strategic partnership with leading international institutions, we have introduced three completely new and innovative optics, developed the new and widened the existing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

This brochure shows their features and recommended applications.

BUDEC is a new EU brand by BUCK lighting, specialized in architectural lighting. BUDEC carries on with the three decades of tradition of delivering high quality lighting systems with cutting- edge optical lighting technology and holistic design. Esthetical consistency and diversification of light effects enable a systematic approach to design and execution of most complex buildings in the simplest possible way.

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 extraordinary lighting applications.

DESIGN

Design is one of key words explaining the essence of our 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.

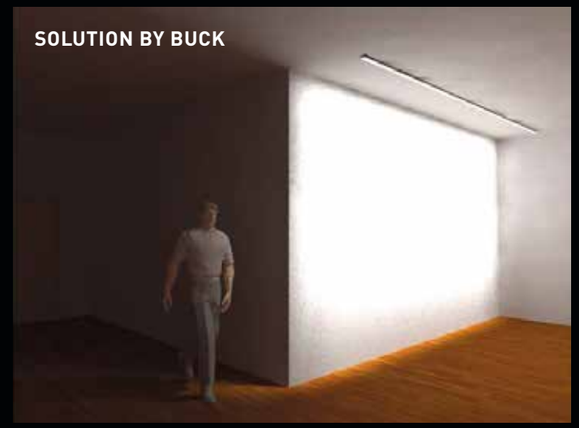
TECHNOLOGY

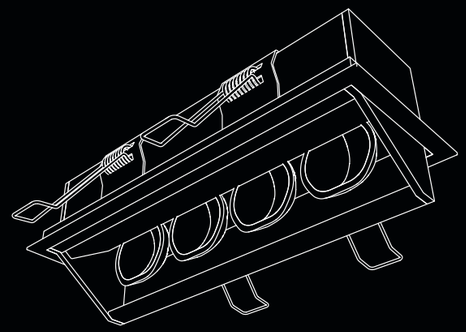
Besides applying the available technology in the production process, we are proud to improve it one-step at the time, especially in the fields of ease of installation, optical efficiency, application of LED and thermal management, which are our point of particular interest.

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 WW

Dimensions A/B/H	194/71/68, 354/71/68, 514/71/68mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	576-3456lm
Total power	7-53W
Luminaire efficiency	82-65 lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
Light beam angle	85°/90°
LED service life	50000h L70B10/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/C**
CEILING RECESSED LUMINAIRES: **INSERT S WW**

DUAL S WW

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°)	5656- 15084lm
Total power	62- 166W
Luminaire efficiency	91 lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

INSERT S WW

PRIMA S WW

PRIMA S WW / INSERT S WW

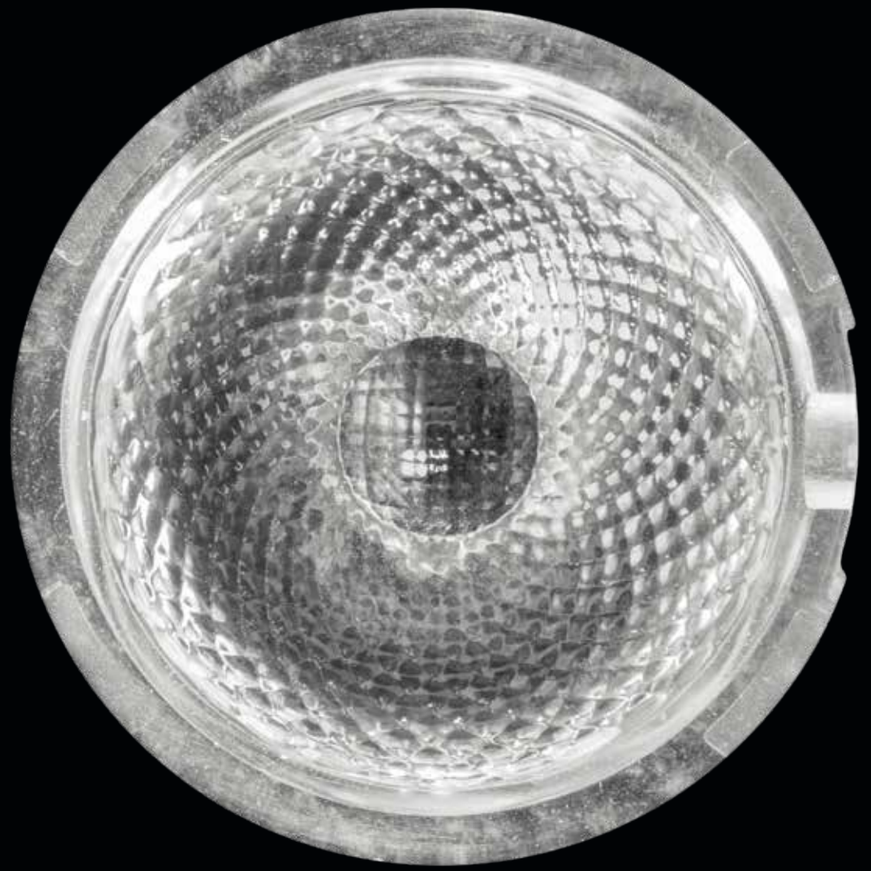
Dimensions A/B/H	846/60/110, 1126/60/110, 1406/60/110, 2248/60/110mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	2592- 6912lm
Total power	40- 106W
Luminaire efficiency	65 lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
LED service life	50000h L70B10/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°)	4680lm
Total power	68W
Luminaire efficiency	69lm/W
Light colour temperature	2700K/4000K/DyW 2700+5700K
CRI	>90/>80/>90
LED service life	50000h L70B10/SCDM3
Power supply	220-240V, 50-60Hz
Control gear	ECG, DALI

QUARTZ

Dimensions A/B/H	180/120/57, 340/120/57, 500/120/57, 980/120/57, 1460/120/57mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	1152- 10368lm
Total power	18-158W
Luminaire efficiency	64-66 lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI



FLO 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 A/B/H	60/89 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	520lm
Total power	6W
Luminaire efficiency	87lm/W
Light colour temperature	2700K/4000K
CRI	>90/>80
Light beam	60°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

PIKO C

PIKO S

PIKO C / PIKO S

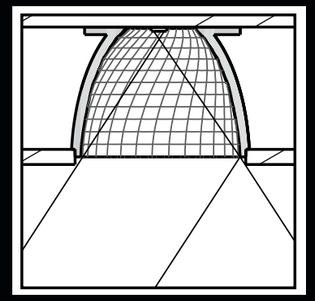
Dimensions A/B/H	45/500 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	520lm
Total power	6W
Luminaire efficiency	87lm/W
Light colour temperature	2700K/4000K
CRI	>90/>80
Light beam	60°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

MATRIX

Dimensions A/B/H	600/600/30mm, 1200/300/30mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	2530lm
Total power	30W
Luminaire efficiency	84 lm/W
Light colour temperature	4000K
CRI	>80
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

MINI VELA PIK0

Dimensions A/B/H	1520/168/44mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	7530lm
Total power	75W
Luminaire efficiency	100lm/W
Light colour temperature	4000K
CRI	>80
LED service life	50000h L70B10/SCDM3
Power supply	220-240V, 50-60Hz
Control gear	ECG, DALI



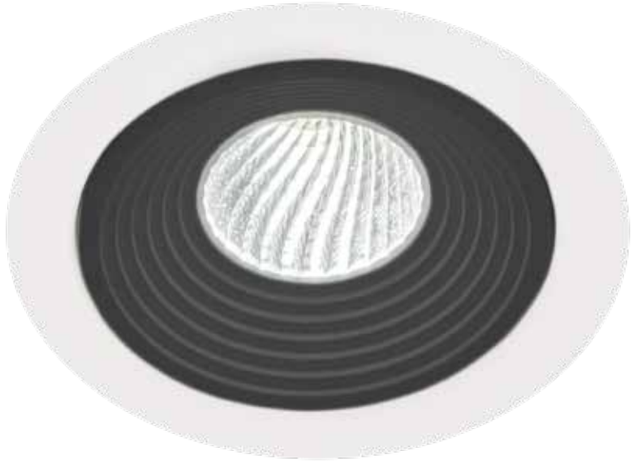
MD Micro downlighter reflectors with complex surfaces geometry of micro facets allow precise shaping of light beam. Angles of direct light beam and light reflected from reflector are almost perfectly aligned, providing sharp cut off for full visual comfort (UGR < 19).

Light beam angles

75⁰

55⁰

35⁰

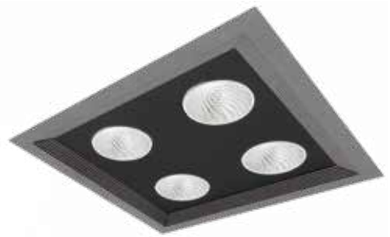


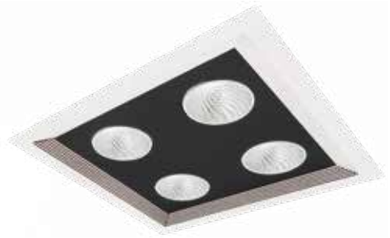
MICRO

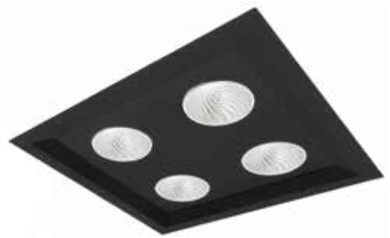
Dimensions Ø/H	60/95, 60/87, 60/82 mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	541lm
Total power	6W
Luminaire efficiency	90lm/W
Light colour temperature	2700K/4000K
CRI	>90/>80
Light beam	35°/55°/75°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
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°)	541lm
Total power	6W
Luminaire efficiency	90lm/W
Light colour temperature	2700k/4000
CRI	>90/>80
Light beam	35°/55°/75°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI







MICRO MD

Dimensions A/B/H	71/71/46, 114/71/46, 114/114/46, 194/71/46, 354/71/46, 514/71/46mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	183- 4889lm
Total power	2-53W
Luminaire efficiency	92lm/W
Light colour temperature	2700K/ 4000K/DyW 2700-5700K
CRI	>90/>80/>90
Light beam	35°/55°/75°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

ASTERISK

Dimensions A/B/H	600/600/20mm, 1200/300/20mm
Finish	epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	3500lm
Total power	25W
Luminaire efficiency	140lm/W
Light colour temperature	2700K/ 4000K/DyW 2700-5700K
CRI	>90/>80/>90
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

DUAL S MD

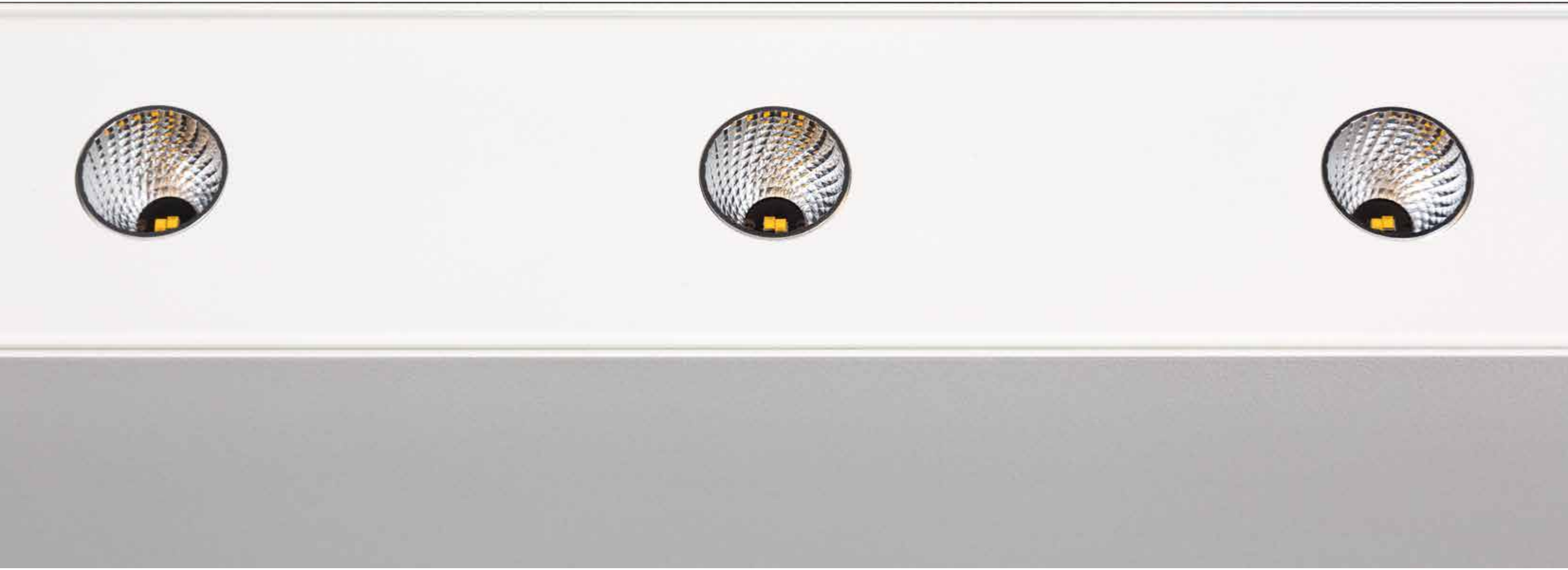
Dimensions A/B/H	846/60/110, 1126/60/110, 1406/60/110, 2248/60/110mm
Finish	anodisation in natural aluminium colour or epoxy polyester powder coating
Luminaire luminous flux (t_a=25°)	4714- 8164lm
Total power	42-70W
Luminaire efficiency	112-117lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
Light beam	35°/55°/75°
LED service life	50000h L70B10/SCDM3
Power supply	220- 240V, 50- 60Hz
Control gear	ECG, DALI

INSERT S MD

PRIMA S MD

INSERT S 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°)	1649- 4889lm
Total power	20- 53W
Luminaire efficiency	82-92 lm/W
Light colour temperature	2700K/4000K/DyW 2700-5700K
CRI	>90/>80/>90
Light beam angle	35°/55°/75°
LED service life	50000h L70B10/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.