BÄRO
Retail
Lighting

beledi XL

LED light band

www.baero.com

beledi XL

DIFFERENT OVER THE ENTIRE LENGTH

beledi XL is different. beledi XL is neither a support system nor does it have lens optics. The LED light profile from BÄRO is deliberately different.

Design: the light profile is made of an aluminium extrusion profile. The solidly built luminaire body guarantees dimensional stability. As a heat-conducting body it is an important element of the luminaire's thermal management and, last but not least, it has a unique surface optic.

Lighting technology: light is distributed by MIRO SILVER® reflectors. This is currently the most effective reflector material and is one of the reasons for the very good operating efficiency of the light profile and the unique visual comfort.

Installation: thanks to the small number of components the module units are very simple to configure and also to mount to lighting units of any length. The separate planning of light profile and reflectors nonetheless allow great flexibility.

Lighting design freedom

Six reflectors with different emission characteristics are available for many different lighting tasks.

The BatWing reflector was developed for shelf lighting. The double asymmetrical light distribution enables precise illumination of the shelves with high vertical illuminances on the products and a low proportion of scattered light on the floor. The web below the LED line ensures even more targeted light distribution and optimises glare limitation. Two emission characteristics enable use in different aisle widths and room heights. In addition, a half BatWing version is available for the illumination of single-sided shelving. Here two different beam angles are also available.

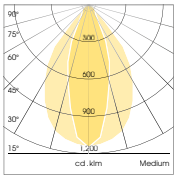
The WideWing differs from the BatWing through less sharply defined light distribution, meaning that more light reaches the floor and the difference in brightness to the shelves is not perceived as clearly. The WideBeam has an even softer light distribution. On account of its good glare limitation (UGR 19 / < 21) it is also well suited to workplaces.

The light profile is completed by a module for use on conductor rails and for blind elements.

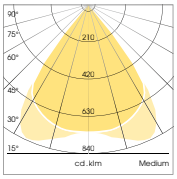
SIX OPTICS

Six application-optimised optics (the emission characteristics are shown on the right) enable numerous fields of application.

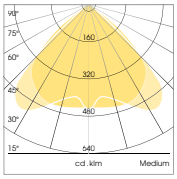
WIDEBEAM



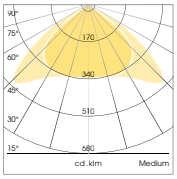
WIDEWING



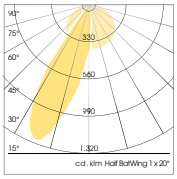
BATWING 2 x 20°



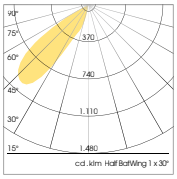
BATWING 2 x 30°



HALF BATWING 1 x 20°



HALF BATWING 1 x 30°



5,080 LM

Selected LED technology is deployed in the beledi XL light profile. Brilliant LEDs with a CRI von > 80 generate luminous flux of up to 5,080 lm per module.

95 x 95 mm

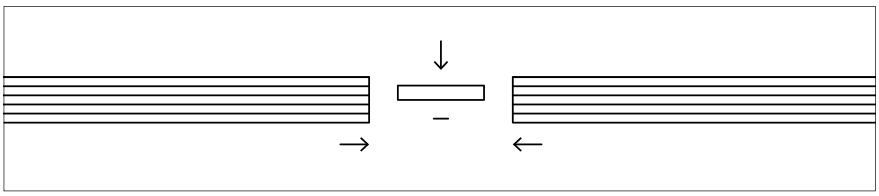
A high-quality profile made of extruded aluminium houses state-of-the-art lighting technology. The profile measuring 95 x 95 mm accommodates the lighting technology plus all necessary wiring and supply units. The individual modules measuring 1,500 mm can be joined to create lighting units of any length.

Make light work of installation

Luminaire unit, butt connector, reflectors, front plates and suspension system. Even though the beledi light band is extremely versatile thanks to a choice of different reflectors and colour temperatures, five components are all that are needed for the complete planning and assembly of the system.

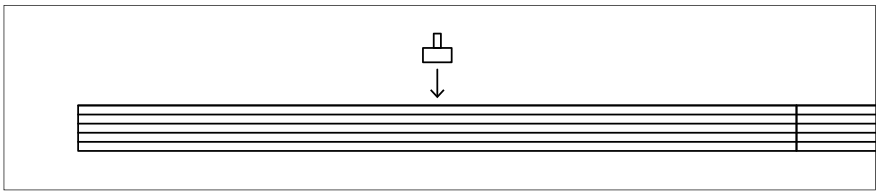
1. CONNECT THE MODULES WITH A BUTT CONNECTOR

The individual modules with a length of 1,500 mm can be connected with a butt connector and two guide pins. The butt connector is then fixed with screws. As minimal force is needed to tighten the screws this can even be done without tools if necessary.



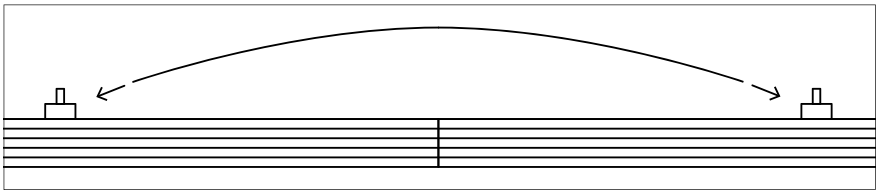
2. INSERT FASTENING CLIPS

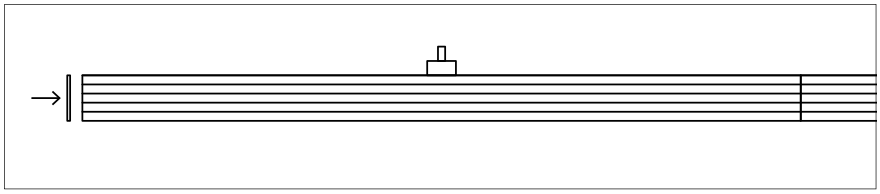
The fastening clips for the suspension system or alternatively for ceiling attachment are then pushed into a groove in the profile at intervals of max. 1,500 mm. This continuous groove enables the clips to be moved or retrofitted at any time.



3. ELECTRICAL CONNECTION OF MODULES

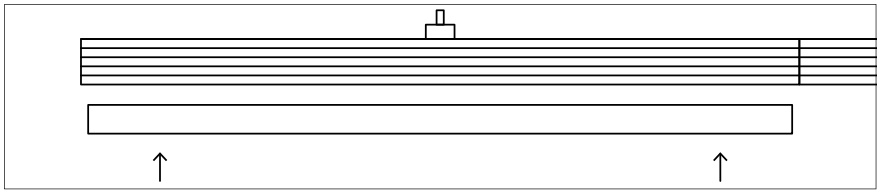
An electrical connection must then be established between the individual elements with the cable sets supplied.





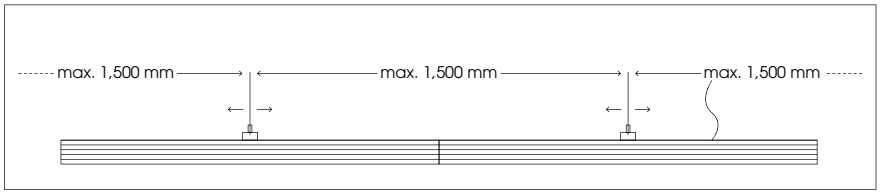
4. FASTEN FRONT PLATES

Now the front plates can be screwed tight.



5. INSERT THE REFLECTORS

After this the reflectors must be inserted.



6. SUSPEND LIGHT PROFILE

After attaching the light profile to the ceiling it is connected to the power supply. In this way luminaire modules in all kinds of different lengths can be joined. However, after 30 (19 W), 28 (28 / 45 W) or 13 (45 W DALI) elements a further power cable is required.

Product overview

Luminaire units

STANDARD

Anodised aluminium extrusion profile module (silver, black) or powder-coated (white), incl. LED unit and driver unit, L = 1,500 mm

	Colour code		830	840
System power [W]				
	19	■	7000 0241	7000 0242
		■	7000 0243	7000 0244
		□	7000 0245	7000 0246
	28	■	7000 0223	7000 0224
		■	7000 0225	7000 0226
		□	7000 0227	7000 0228
	45	■	7000 0217	7000 0218
		■	7000 0219	7000 0220
		□	7000 0221	7000 0222

DALI

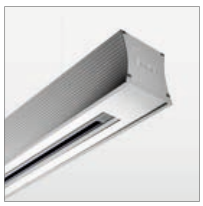
Anodised aluminium extrusion profile module (silver, black) or powder-coated (white), incl. LED unit and driver unit, L = 1,500 mm

	Colour code		830	840
System power [W]				
	19	■	7000 0247	7000 0248
		■	7000 0249	7000 0250
		□	7000 0251	7000 0252
	28	■	7000 0235	7000 0236
		■	7000 0237	7000 0238
		□	7000 0239	7000 0240
	45	■	7000 0229	7000 0230
		■	7000 0231	7000 0232
		□	7000 0233	7000 0234

CONDUCTOR RAIL MODULE

Anodised aluminium extrusion profile module (silver, black) or powder-coated (white), 3-phase conductor rail insert (L = 550 mm), L = 750 mm

		830	840
■		7000 0253	7000 0256
■		7000 0254	7000 0257
□		7000 0255	7000 0258



EMPTY MODULE WITH COVER

Anodised aluminium extrusion profile module (silver, black) or powder-coated (white), with aluminium cover, L = 750 mm

■	7000 0259
■	7000 0260
□	7000 0261

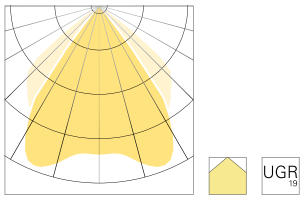
Product overview

Reflectors

COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,240	3,060	4,380	2,430	3,280	4,750
Light efficiency [Lm/W]	118	109	97	128	117	106
System power [W]	19	28	45	19	28	45

WIDEBEAM
7000 0205

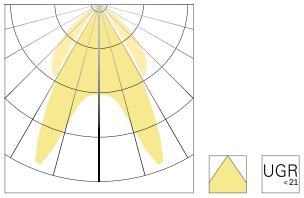
Wide-beam lens optic for general lighting from low installation heights of 3.00 to 5.00 metres



COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,270	3,050	4,450	2,470	3,280	4,830
Light efficiency [Lm/W]	119	109	99	130	117	107
System power [W]	19	28	45	19	28	45

WIDEWING
7000 0206

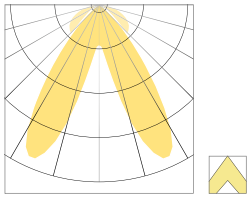
Lens optic with almost double asymmetric emission characteristics for illuminating aisles



COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,330	3,120	4,530	2,500	3,390	4,900
Light efficiency [Lm/W]	123	111	101	132	121	109
System power [W]	19	28	45	19	28	45

BATWING 2X20°
7000 0201

Lens optic with double asymmetric emission characteristics for illuminating aisles



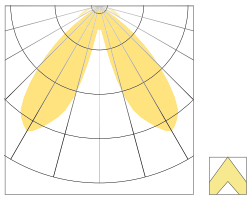
Product overview

Reflectors

COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,290	3,110	4,490	2,480	3,380	4,860
Light efficiency [Lm/W]	121	111	100	131	121	108
System power [W]	19	28	45	19	28	45

BATWING 2 X 30°
7000 0202

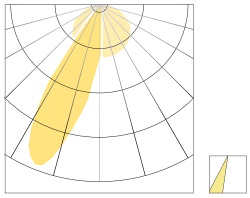
Lens optic with double asymmetric emission characteristics for illuminating aisles



COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,380	3,210	4,460	2,590	3,500	5,080
Light efficiency [Lm/W]	125	115	104	136	125	113
System power [W]	19	28	45	19	28	45

HALF BATWING 1 X 20°
7000 0203

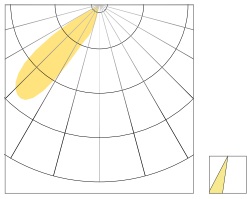
Optic with asymmetric emission characteristics for illuminating vertical surfaces



COLOUR CODE	830			840		
Luminaire luminous flux [lm]	2,100	2,840	4,120	2,300	3,110	4,510
Light efficiency [Lm/W]	111	101	92	121	111	100
System power [W]	19	28	45	19	28	45

HALF BATWING 1 X 30°
7000 0204

Optic with asymmetric emission characteristics for illuminating vertical surfaces



Accessories

END CAP SET

	Standard	DALI
End caps including power connector		
■	7000 0211	7000 0212
■	7000 0210	7000 0213

FEED-THROUGH WIRING

	L_1	L_2	L_3	1-phasig	DALI
Feed-through wiring with tap L = 1,600 mm (single phase L = 2,000 mm)	S 7000–6	S 7000–7	S 7000–8	765Y 2000g	S 7000–9

SUSPENSION SYSTEMS

	1,250 mm	3,000 mm	6,000 mm
Mounting brackets including steel cable hanging set	7000 0207	7000 0208	7000 0209

CEILING ATTACHMENT

	Ceiling	Caddy
Mounting brackets for direct ceiling installation (lockable) or for caddy clip including hexagonal nut	7000 0216	7000 0217

CONNECTOR

Longitudinal connector including attachment set	7000 0214

BÄRO GmbH & Co. KG
Wolfstall 54-56
D-42799 Leichlingen . Germany

T +49 2174 799 0
F +49 2174 799 799
www.baero.com

BAE.01.10018E.1603 System features may change with product improvements due to technical advances. Errors excepted.