



**BAR**



**BAR**



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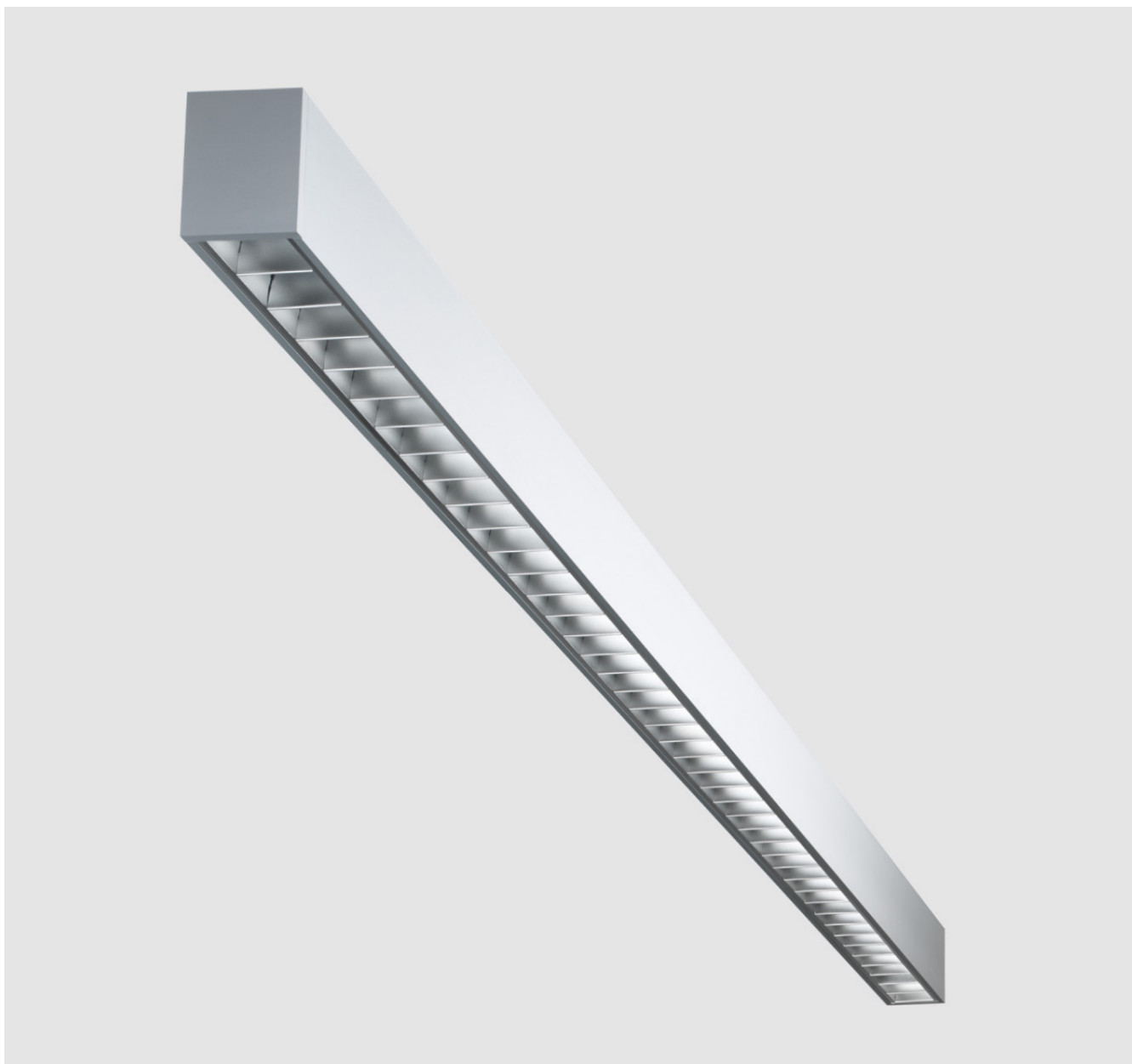
**52** General information



# BAR

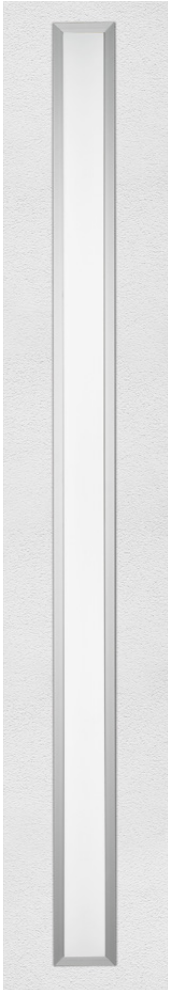
BAR is based on the concept of creating a complete system, using modular components: A load-bearing profile as a key element, with direct/indirect distribution, as an additional, installed or suspended profile, as individual lights, a lighting strip or lighting unit. The finish in the details reflects the high quality modular components: That's why, for example, the wall mounting , the canopies or the profile end plates are turned or milled from solid aluminium and then chemically matted and natural anodised.







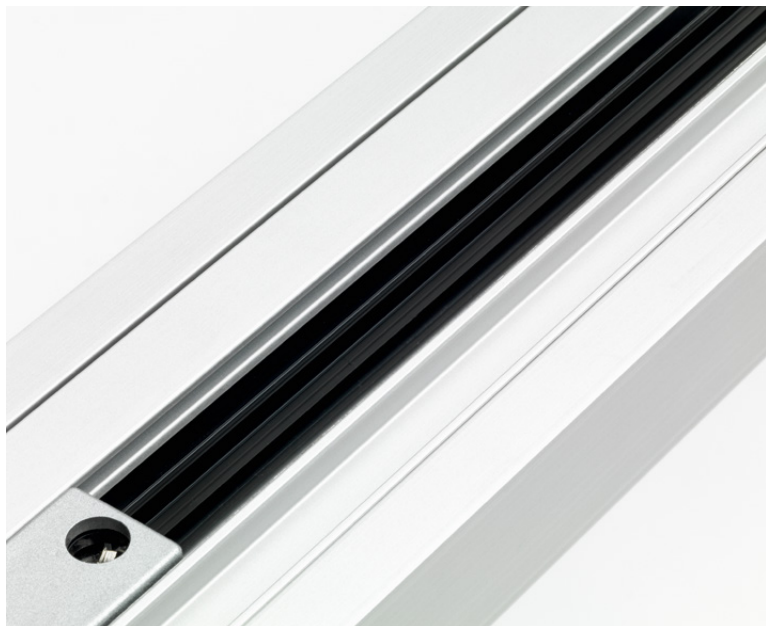
## BAR Features & Benefits



### Comprehensive modular system

Our BAR profile system comes in three main configurations, or profile versions: the BAR D for ceiling construction, wall construction or pendulum mounting; the BAR E with visible but elegant rim for mounting in false ceilings and the BAR I with direct and indirect light for wall construction or pendulum mounting. The profiles are extruded aluminium, chemically matted and natural anodised.

We also offer our customers a wide range to satisfy practically every need regarding lighting optics. For an elegant appearance, we offer the interlocking, glossy PMMA plate. If you are looking for higher efficiency and a high luminous flux, the satin-finish CoEX cover is the most suitable lighting optic, boasting a light output of up to 96lm/W. For use in an office, we actually offer two possibilities: The microprisms (with or without primary diffuser) for uniform light in the lighting area or the parabolic louvre with inserted diffuser plate, which produces a higher light output and longitudinal glare control.



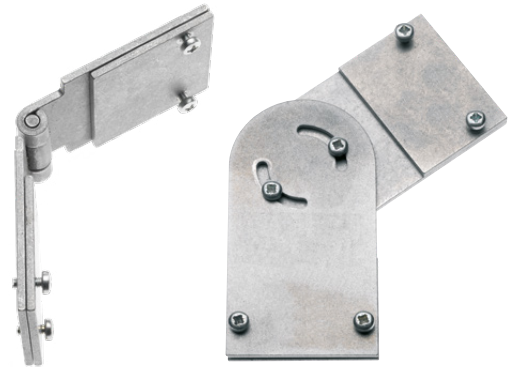


**Well thought through, down to the smallest detail.**

As usual for Alteme, light is not just light. Every last detail is carefully considered and executed with precision. Whether it is about illuminating the cover completely uniformly, or providing a clean finish for the profile by using elegant aluminium end plates.

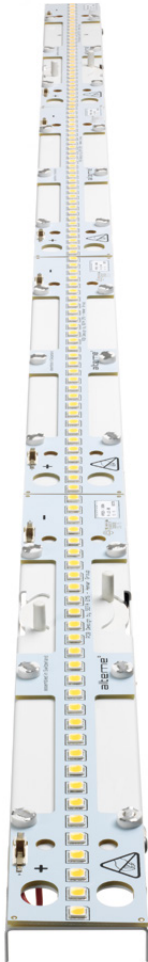
A notably large selection of accessories allows a precise connection between the profiles but also a smooth, elegant appearance in general. Even corner connections or level connectors are not a challenge.

For the corner connections, the aluminium profiles are mitre cut, as well as the largest part of the light optics.





## BAR Features & Benefits



### Ready-to-fit individual lights

For BAR D ceiling construction and pendulum mounting, as well as for BAR I pendulum mounting, our customers have the option of ordering completely pre-mounted, ready-to-fit lights. The lights are equipped with a transparent connection cable.

On the suspended version, the suspension cable is already fitted. This allows the light to be mounted and used extremely quickly. Some of the light optics in the direct area are provided separately and can be used on site after the installation.

### LED light strips: Uniform illumination and easy to mount

The LED light strips are available in two different light colours: 3000 K and 4000 K. The light strip made out of Zincor and painted white with the LED modules arranged in the middle is perfectly coordinated with the construction of the aluminium profile, and allows an excellent, uniform illumination of the louvre. And in addition, it is unusually easy to mount: The light strip is then attached to the aluminium profile



using a drop guard with contact springs. Then the electrical connection can be established while the strip is attached. Finally, the light strip can be used and attached in the profile without tools by using a cabinet lock. Mounting and disassembly are speedy and uncomplicated, and can be carried out by just one person.

To protect the LEDS from static discharge, an ESD-compliant protective box is attached in our plant, which can be removed again from the light optics before installing at the construction site.

In the indirect area, the LEDS are also protected from contact and dust with a lightly opalescent protection cover.







**Offices Swiss Watch Maker, Milan**

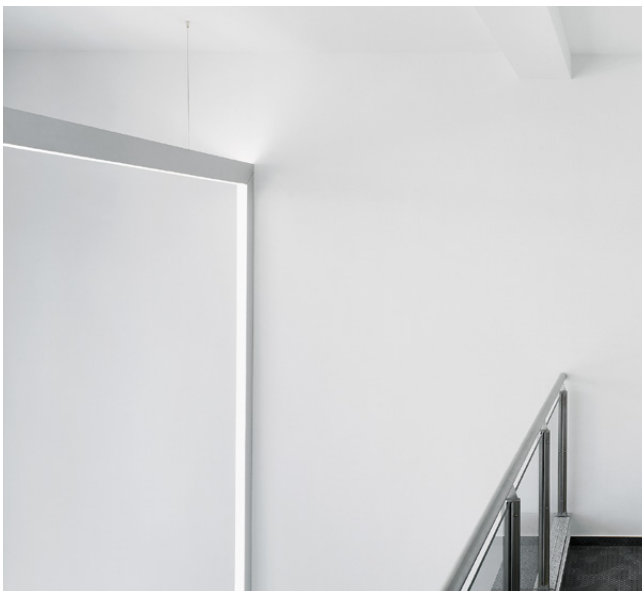
Sales Partner: Agenzia Marco Rocca, Bergamo

Architecture: Arch. Albini Francesco, Milan

Lighting concept: Tekne Spa, Milan

Photography: Paolo Stroppa, Bergamo





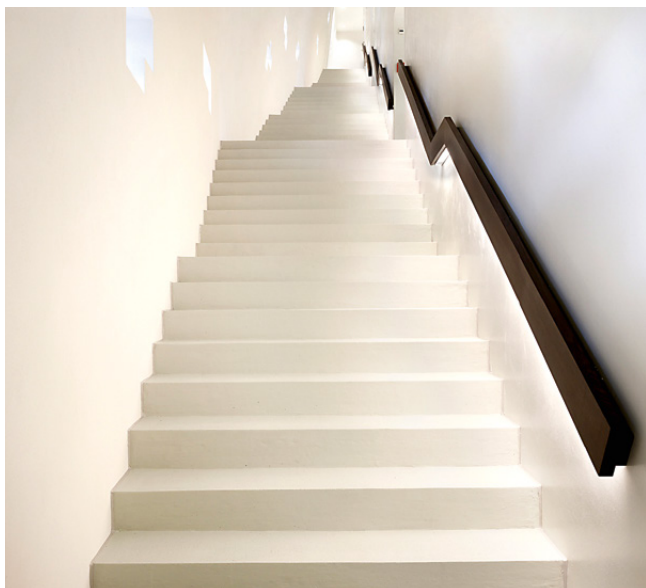
## **Sachsenmilch, Leppersdorf**

Architecture: Acerplan Planungsgesellschaft mbH, Dresden

Lighting concept: Fischer-Vogl Innenarchitektur, Vilgertshofen-Mundraching

Photography: Stefan Dauth, Berlin





**Historical Museum Kubus/Titan, Berne**

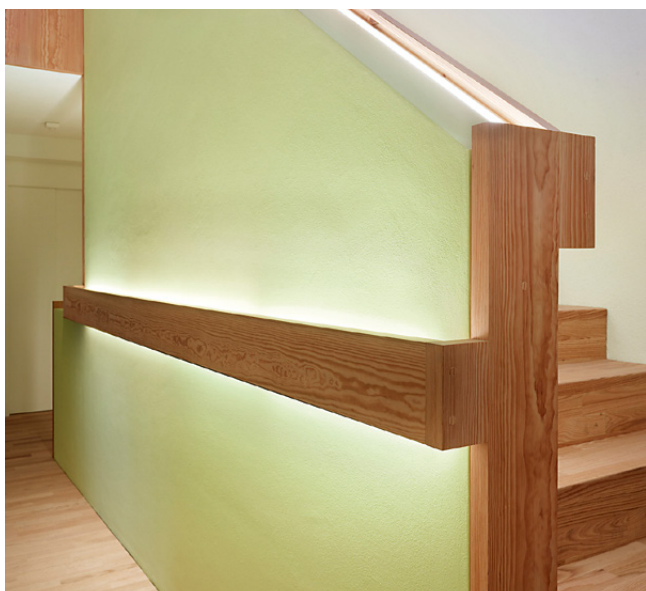
Sales Partner: Neuco AG, Zurich

Architecture: mlzd Architects, Biel

Lighting concept: Neuco AG, Zurich/mlzd Architects, Biel

Photography: Alexander Gempeler, Berne





### **Raffeisenbank Seerücken, Pfyn**

Sales Partner: Neuco AG, Zurich

Architecture: Hinder Kalberer, Architects

Lighting concept: Neuco AG, Zurich

Photography: Alexander Gempeler, Berne



# BAR D Ceiling Lights

with microprismatic D



ON/OFF

LED

0 Hz  
SAFETY

IP20

Grey-coloured PMMA inlay with conical prism surface for reduced light density and glare (UGR<19).

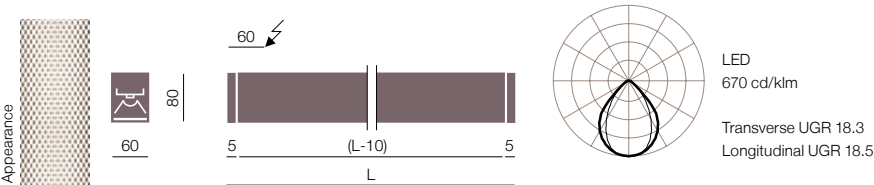
Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light. Aluminium ceiling mounting, chemically matted and natural anodised, adjustable in the light profile. Mounting distance max. 1500mm.

Pre-mounted power cable, transparent 3x0.75mm² (On/Off), 5x0.75mm² (DALI), length 3000mm Mounting with light output facing downwards. Colour rendering CRI≥80.

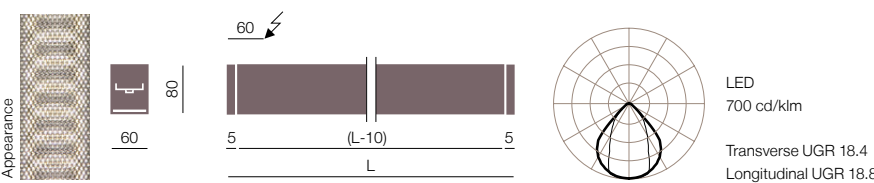
	CCT	Control	L [mm]	ϕ Ng [lm]	P [W]	η [lm/W]
M14 7347.B	3000 K	On/Off	1130	1641	25.7	64
M15 7347.B	3000 K	On/Off	1410	2064	32	65
M14 7357.B	3000 K	On/Off	2250	3282	51	64
M14 6347.B	3000 K	On/Off	1130	1492	25.7	58
M15 6347.B	3000 K	On/Off	1410	1878	32	59
M14 6357.B	3000 K	On/Off	2250	2984	51	58
M14 7349.B	3000 K	DALI	1130	1641	25	66
M15 7349.B	3000 K	DALI	1410	2064	30	69
M14 7359.B	3000 K	DALI	2250	3282	50	66
M14 6349.B	3000 K	DALI	1130	1492	25	60
M15 6349.B	3000 K	DALI	1410	1878	30	63
M14 6359.B	3000 K	DALI	2250	2984	50	60
M14 7447.B	4000 K	On/Off	1130	1664	25.7	65
M15 7447.B	4000 K	On/Off	1410	2094	32	66
M14 7457.B	4000 K	On/Off	2250	3328	51	65
M14 6447.B	4000 K	On/Off	1130	1513	25.7	59
M15 6447.B	4000 K	On/Off	1410	1904	32	60
M14 6457.B	4000 K	On/Off	2250	3026	51	59
M14 7449.B	4000 K	DALI	1130	1664	25	67
M15 7449.B	4000 K	DALI	1410	2094	30	70
M14 7459.B	4000 K	DALI	2250	3328	50	67
M14 6449.B	4000 K	DALI	1130	1513	25	61
M15 6449.B	4000 K	DALI	1410	1904	30	63
M14 6459.B	4000 K	DALI	2250	3026	50	61

Explanation: MXX 6XXX.B = with primary diffuser / MXX 7XXX.B = without primary diffuser

## Microprismatic D with primary diffuser

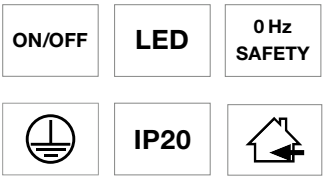


## Microprismatic D without primary diffuser





with CoEx diffuser

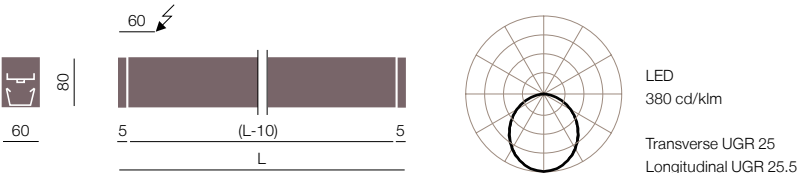


CoEx diffuser, PMMA opal coloured with highly reflective shanks and matt surface.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light. Aluminium ceiling mounting 20 mm high, chemically matted and natural anodised, adjustable in the light profile. Mounting distance max. 1500 mm.

Pre-mounted power cable, transparent 3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup> (DALI), length 3000 mm Mounting with light output facing downwards. Colour rendering CRI≥80.

	CCT	Control	L [mm]	φ Ng [lm]	P [W]	η [lm/W]
<b>M14 3347.B</b>	3000 K	On/Off	1130	2253	25.7	88
<b>M15 3347.B</b>	3000 K	On/Off	1410	2835	32	89
<b>M14 3357.B</b>	3000 K	On/Off	2250	4506	51	88
<b>M14 3349.B</b>	3000 K	DALI	1130	2253	25	90
<b>M15 3349.B</b>	3000 K	DALI	1410	2835	30	95
<b>M14 3359.B</b>	3000 K	DALI	2250	4506	50	90
<b>M14 3447.B</b>	4000 K	On/Off	1130	2285	25.7	89
<b>M15 3447.B</b>	4000 K	On/Off	1410	2875	32	90
<b>M14 3457.B</b>	4000 K	On/Off	2250	4570	51	89
<b>M14 3449.B</b>	4000 K	DALI	1130	2285	25	91
<b>M15 3449.B</b>	4000 K	DALI	1410	2875	30	96
<b>M14 3459.B</b>	4000 K	DALI	2250	4570	50	91





# BAR D Ceiling Lights

with PMMA opal diffuser



ON/OFF

LED

0 Hz  
SAFETY

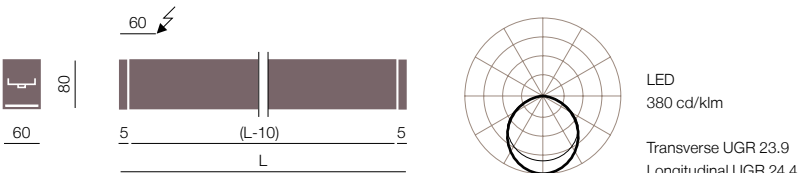
IP20

PMMA opal diffuser, 6mm, interlocking with the profile underside, glossy surface.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light. Aluminium ceiling mounting 20mm high, chemically matted and natural anodised, adjustable in the light profile. Mounting distance max. 1500mm.

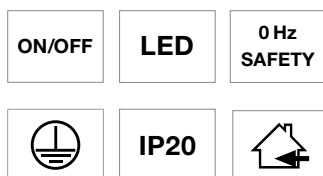
Pre-mounted power cable, transparent 3x0.75mm² (On/Off), 5x0.75mm² (DALI), length 3000mm Mounting with light output facing downwards. Colour rendering CRI≥80.

	CCT	Control	L [mm]	ϕ Ng [lm]	P [W]	η [lm/W]
M14 8347.B	3000 K	On/Off	1130	1529	25.7	59
M15 8347.B	3000 K	On/Off	1410	1924	32	60
M14 8357.B	3000 K	On/Off	2250	3058	51	59
M14 8349.B	3000 K	DALI	1130	1529	25	61
M15 8349.B	3000 K	DALI	1410	1924	30	64
M14 8359.B	3000 K	DALI	2250	3058	50	61
M14 8447.B	4000 K	On/Off	1130	1551	25.7	60
M15 8447.B	4000 K	On/Off	1410	1951	32	61
M14 8457.B	4000 K	On/Off	2250	3102	51	60
M14 8449.B	4000 K	DALI	1130	1551	25	62
M15 8449.B	4000 K	DALI	1410	1951	30	65
M14 8459.B	4000 K	DALI	2250	3102	50	62





## with parabolic louvre

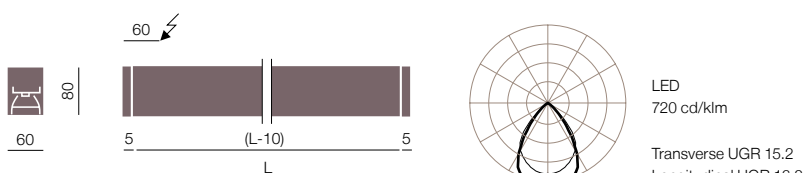


Aluminium parabolic louvre, semi-matt (MIRO 20) with diffuser plate 1 mm.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light. Aluminium ceiling mounting 20 mm high, chemically matted and natural anodised, adjustable in the light profile. Mounting distance max. 1500 mm.

Pre-mounted power cable, transparent 3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup> (DALI), length 3000 mm Mounting with light output facing downwards. Colour rendering CRI≥80.

	CCT	Control	L [mm]	φ Ng [lm]	P [W]	η [lm/W]
<b>M14 1347.B</b>	3000 K	On/Off	1130	1884	25.7	73
<b>M15 1347.B</b>	3000 K	On/Off	1410	2370	32	74
<b>M14 1357.B</b>	3000 K	On/Off	2250	3768	51	73
<b>M14 1349.B</b>	3000 K	DALI	1130	1884	25	75
<b>M15 1349.B</b>	3000 K	DALI	1410	2370	30	79
<b>M14 1359.B</b>	3000 K	DALI	2250	3768	50	75
<b>M14 1447.B</b>	4000 K	On/Off	1130	1910	25.7	74
<b>M15 1447.B</b>	4000 K	On/Off	1410	2404	32	75
<b>M14 1457.B</b>	4000 K	On/Off	2250	3820	51	74
<b>M14 1449.B</b>	4000 K	DALI	1130	1910	25	76
<b>M15 1449.B</b>	4000 K	DALI	1410	2404	30	80
<b>M14 1459.B</b>	4000 K	DALI	2250	3820	50	76





# BAR D Suspended luminaire

with CoEx diffuser



	CCT	Control	L [mm]	ϕ Ng [lm]	P [W]	η [lm/W]
M14 3344.B	3000 K	On/Off	1130	2253	25.7	88
M15 3344.B	3000 K	On/Off	1410	2835	32	89
M14 3354.B	3000 K	On/Off	2250	4506	51	88
M14 3346.B	3000 K	DALI	1130	2253	25	90
M15 3346.B	3000 K	DALI	1410	2835	30	95
M14 3356.B	3000 K	DALI	2250	4506	50	90
M14 3444.B	4000 K	On/Off	1130	2285	25.7	89
M15 3444.B	4000 K	On/Off	1410	2875	32	90
M14 3454.B	4000 K	On/Off	2250	4570	51	89
M14 3446.B	4000 K	DALI	1130	2285	25	91
M15 3446.B	4000 K	DALI	1410	2875	30	96
M14 3456.B	4000 K	DALI	2250	4570	50	91

ON/OFF

LED

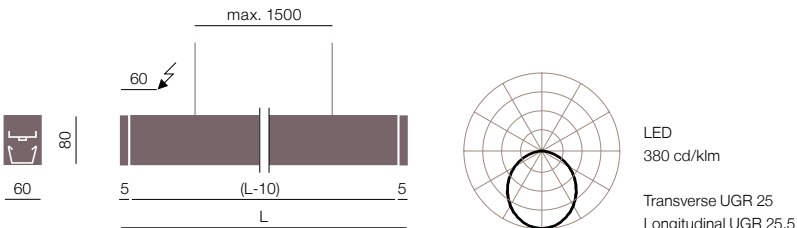
0 Hz  
SAFETY

IP20

CoEx diffuser, PMMA opal coloured with highly reflective shanks and matt surface.

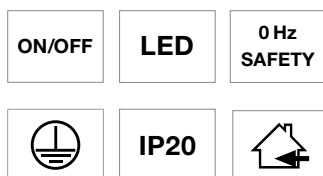
Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light. Steel cable ø1,5 mm, length 2500 mm, adjustable in light profile. Mounting distance max. 1500 mm.

Pre-mounted power cable, transparent 3x0.75 mm² (On/Off), 5x0.75 mm² (DALI), length 3000 mm. Order canopy separately (see accessories). Mounting with light output facing down. Colour rendering CRI≥80.





## with PMMA opal diffuser



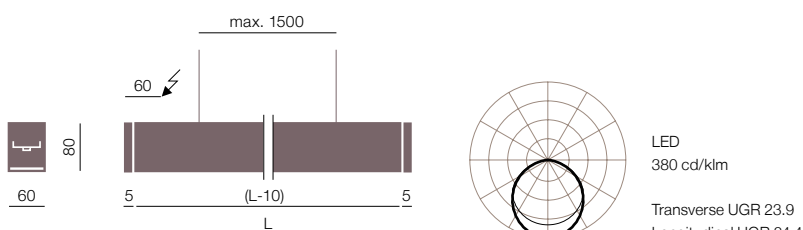
PMMA opal diffuser, 6 mm,  
interlocking with the profile underside,  
glossy surface.

Extruded aluminium profile, chemically  
matted and natural anodised. Solid  
aluminium end caps, milled, chemically  
matted and natural anodised with  
internal screw fastening, centring pins  
and foam moulding to block the light.

Steel cable ø1,5 mm, length 2500 mm,  
adjustable in light profile. Mounting  
distance max. 1500 mm.

Pre-mounted power cable, transparent  
3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup>  
(DALI), length 3000 mm. Order canopy  
separately (see accessories).  
Mounting with light output facing down.  
Colour rendering CRI≥80.

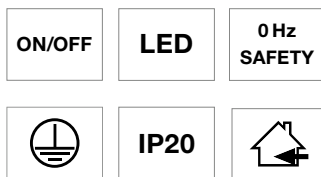
	CCT	Control	L [mm]	φ Ng [lm]	P [W]	η [lm/W]
<b>M14 8344.B</b>	3000 K	On/Off	1130	1529	25.7	59
<b>M15 8344.B</b>	3000 K	On/Off	1410	1924	32	60
<b>M14 8354.B</b>	3000 K	On/Off	2250	3058	51	59
<b>M14 8346.B</b>	3000 K	DALI	1130	1529	25	61
<b>M15 8346.B</b>	3000 K	DALI	1410	1924	30	64
<b>M14 8356.B</b>	3000 K	DALI	2250	3058	50	61
<b>M14 8444.B</b>	4000 K	On/Off	1130	1551	25.7	60
<b>M15 8444.B</b>	4000 K	On/Off	1410	1951	32	61
<b>M14 8454.B</b>	4000 K	On/Off	2250	3102	51	60
<b>M14 8446.B</b>	4000 K	DALI	1130	1551	25	62
<b>M15 8446.B</b>	4000 K	DALI	1410	1951	30	65
<b>M14 8456.B</b>	4000 K	DALI	2250	3102	50	62





# BAR D Suspended luminaire

## with microprismatic D



Grey-coloured PMMA inlay with conical prism surface for reduced light density and glare.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

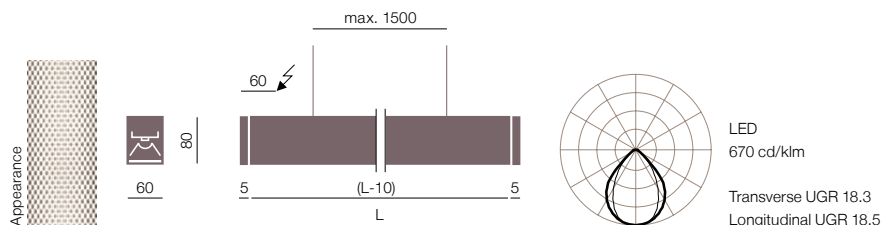
Steel cable ø1,5 mm, length 2500 mm, adjustable in light profile. Mounting distance max. 1500 mm.

Pre-mounted power cable, transparent 3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup> (DALI), length 3000 mm. Order canopy separately (see accessories). Mounting with light output facing down. Colour rendering CRI≥80.

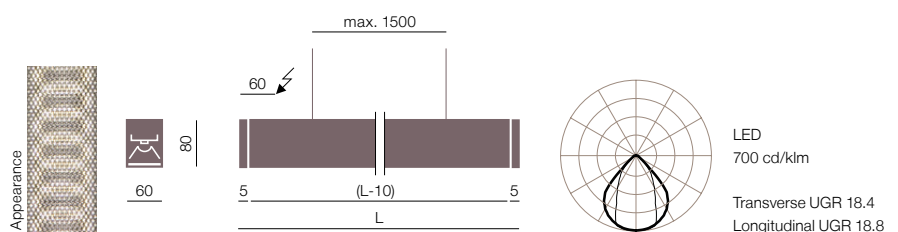
	CCT	Control	L [mm]	φ Ng [lm]	P [W]	η [lm/W]
<b>M14 7344.B</b>	3000 K	On/Off	1130	1641	25.7	64
<b>M15 7344.B</b>	3000 K	On/Off	1410	2064	32	65
<b>M14 7354.B</b>	3000 K	On/Off	2250	3282	51	64
<b>M14 6344.B</b>	3000 K	On/Off	1130	1492	25.7	58
<b>M15 6344.B</b>	3000 K	On/Off	1410	1878	32	59
<b>M14 6354.B</b>	3000 K	On/Off	2250	2984	51	58
<b>M14 7346.B</b>	3000 K	DALI	1130	1641	25	66
<b>M15 7346.B</b>	3000 K	DALI	1410	2064	30	69
<b>M14 7356.B</b>	3000 K	DALI	2250	3282	50	66
<b>M14 6346.B</b>	3000 K	DALI	1130	1492	25	60
<b>M15 6346.B</b>	3000 K	DALI	1410	1878	30	63
<b>M14 6356.B</b>	3000 K	DALI	2250	2984	50	60
<b>M14 7444.B</b>	4000 K	On/Off	1130	1664	25.7	65
<b>M15 7444.B</b>	4000 K	On/Off	1410	2094	32	66
<b>M14 7454.B</b>	4000 K	On/Off	2250	3328	51	65
<b>M14 6444.B</b>	4000 K	On/Off	1130	1513	25.7	59
<b>M15 6444.B</b>	4000 K	On/Off	1410	1904	32	60
<b>M14 6454.B</b>	4000 K	On/Off	2250	3026	51	59
<b>M14 7446.B</b>	4000 K	DALI	1130	1664	25	67
<b>M15 7446.B</b>	4000 K	DALI	1410	2094	30	70
<b>M14 7456.B</b>	4000 K	DALI	2250	3328	50	67
<b>M14 6446.B</b>	4000 K	DALI	1130	1513	25	61
<b>M15 6446.B</b>	4000 K	DALI	1410	1904	30	63
<b>M14 6456.B</b>	4000 K	DALI	2250	3026	50	61

**Explanation:** MXX 6XXX.B = with primary diffuser / MXX 7XXX.B = without primary diffuser

### Microprismatic D with primary diffuser

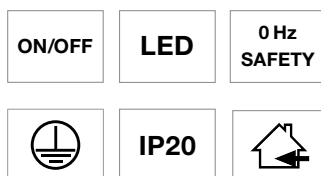


### Microprismatic D without primary diffuser





## with parabolic louvre



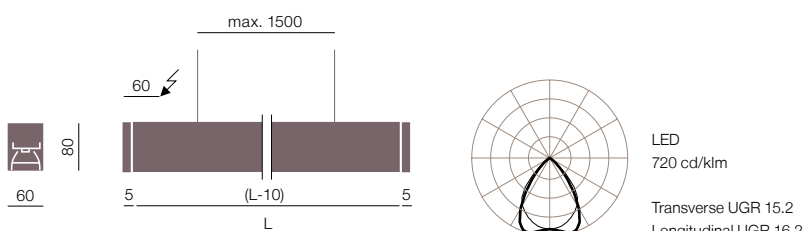
Aluminium parabolic louvre, semi-matt (MIRO 20) with diffuser plate 1 mm.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Steel cable ø1,5 mm, length 2500 mm, adjustable in light profile. Mounting distance max. 1500 mm.

Pre-mounted power cable, transparent 3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup> (DALI), length 3000 mm. Order canopy separately (see accessories). Mounting with light output facing down. Colour rendering CRI≥80.

	CCT	Control	L [mm]	φ Ng [lm]	P [W]	η [lm/W]
<b>M14 1344.B</b>	3000 K	On/Off	1130	1884	25.7	73
<b>M15 1344.B</b>	3000 K	On/Off	1410	2370	32	74
<b>M14 1354.B</b>	3000 K	On/Off	2250	3768	51	73
<b>M14 1346.B</b>	3000 K	DALI	1130	1884	25	75
<b>M15 1346.B</b>	3000 K	DALI	1410	2370	30	79
<b>M14 1356.B</b>	3000 K	DALI	2250	3768	50	75
<b>M14 1444.B</b>	4000 K	On/Off	1130	1910	25.7	74
<b>M15 1444.B</b>	4000 K	On/Off	1410	2404	32	75
<b>M14 1454.B</b>	4000 K	On/Off	2250	3820	51	74
<b>M14 1446.B</b>	4000 K	DALI	1130	1910	25	76
<b>M15 1446.B</b>	4000 K	DALI	1410	2404	30	80
<b>M14 1456.B</b>	4000 K	DALI	2250	3820	50	76





# BAR D Wall light with console

with CoEx diffuser



	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
M22 3311.B	3000 K	On/Off	570	1139	13	88
M23 3311.B	3000 K	On/Off	850	1371	19.8	69
M22 3313.B	3000 K	DALI	570	1139	13	88
M23 3313.B	3000 K	DALI	850	1371	19	72
M22 3411.B	4000 K	On/Off	570	1155	13	89
M23 3411.B	4000 K	On/Off	850	1390	19.8	70
M22 3413.B	4000 K	DALI	570	1155	13	89
M23 3413.B	4000 K	DALI	850	1390	19	73

ON/OFF

LED

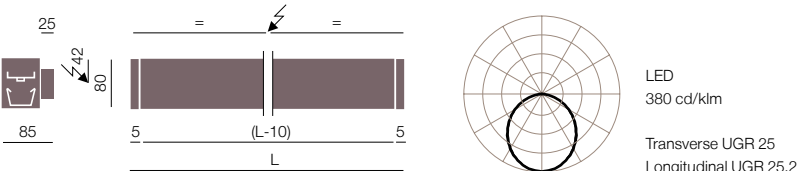
0 Hz  
SAFETY

IP20

CoEx diffuser, PMMA opal coloured with highly reflective shanks and matt surface.

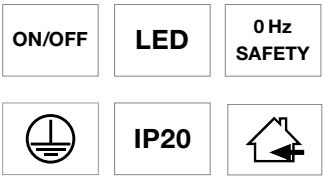
Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Console for wall mounting aluminium with option of direct power supply 5x1,5mm².  
Mounting with light output facing down.  
Colour rendering CRI≥80.





with PMMA opal diffuser

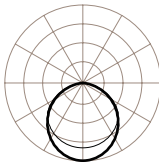
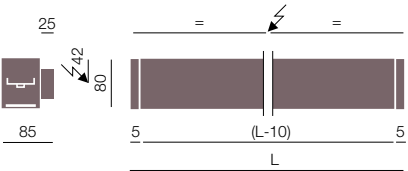


PMMA opal diffuser, 6mm, interlocking with the profile underside, glossy surface.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Console for wall mounting aluminium with possibility of direct power supply 5x1,5mm<sup>2</sup>.  
Mounting with light output facing down.  
Colour rendering CRI≥80.

	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
<b>M22 8311.B</b>	3000 K	On/Off	570	773	13	59
<b>M23 8311.B</b>	3000 K	On/Off	850	931	19.8	47
<b>M22 8313.B</b>	3000 K	DALI	570	773	13	59
<b>M23 8313.B</b>	3000 K	DALI	850	931	19	49
<b>M22 8411.B</b>	4000 K	On/Off	570	784	13	60
<b>M23 8411.B</b>	4000 K	On/Off	850	944	19.8	48
<b>M22 8413.B</b>	4000 K	DALI	570	784	13	60
<b>M23 8413.B</b>	4000 K	DALI	850	944	19	50



LED  
380 cd/klm  
Transverse UGR 23.9  
Longitudinal UGR 24.4



# BAR D Wall light with console

## with microprismatic D



ON/OFF

LED

0 Hz SAFETY

IP20

Grey-coloured PMMA inlay with conical prism surface for reduced light density and glare.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Console for wall mounting aluminium with possibility of direct power supply 5x1,5mm².

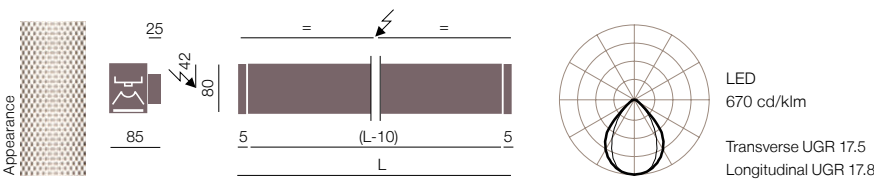
Mounting with light output facing down.

Colour rendering CRI≥80.

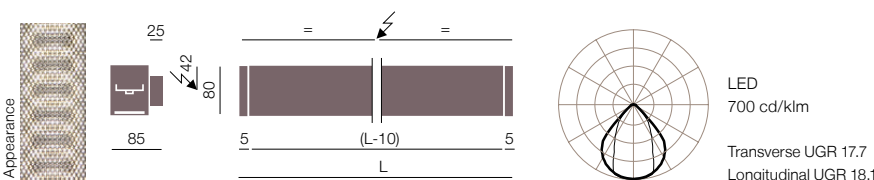
	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
M22 7311.B	3000 K	On/Off	570	830	13	64
M23 7311.B	3000 K	On/Off	850	998	19.8	50
M22 6311.B	3000 K	On/Off	570	755	13	58
M23 6311.B	3000 K	On/Off	850	908	19.8	46
M22 7313.B	3000 K	DALI	570	830	13	64
M23 7313.B	3000 K	DALI	850	998	19	53
M22 6313.B	3000 K	DALI	570	755	13	58
M23 6313.B	3000 K	DALI	850	908	19	48
M22 7411.B	4000 K	On/Off	570	841	13	65
M23 7411.B	4000 K	On/Off	850	1013	19.8	51
M22 6411.B	4000 K	On/Off	570	765	13	59
M23 6411.B	4000 K	On/Off	850	921	19.8	47
M22 7413.B	4000 K	DALI	570	841	13	65
M23 7413.B	4000 K	DALI	850	1013	19	53
M22 6413.B	4000 K	DALI	570	765	13	59
M23 6413.B	4000 K	DALI	850	921	19	48

Explanation: MXX 6XXX.B = with primary diffuser / MXX 7XXX.B = without primary diffuser

### Microprismatic D with primary diffuser



### Microprismatic D without primary diffuser









# BAR I Suspended luminaire

with CoEx diffuser



ON/OFF

LED

0 Hz  
SAFETY

IP20

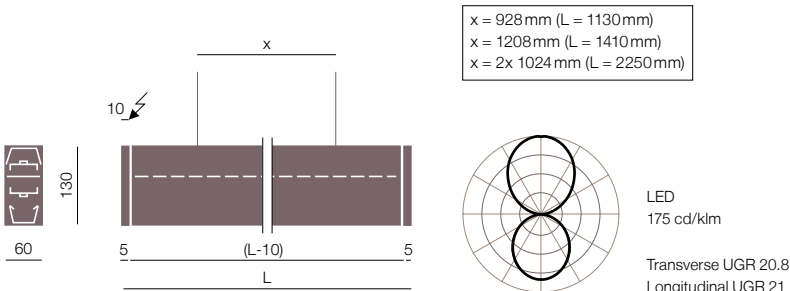
Indirect/direct distribution. Underside CoEx diffuser, PMMA opal coloured with highly reflective shanks and matt surface.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Steel cable ø1,5 mm, length 2500 mm.

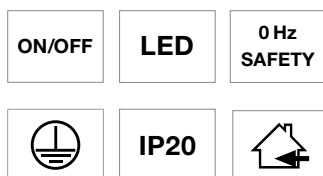
Pre-mounted power cable, transparent 3x0.75 mm<sup>2</sup> (On/Off), 5x0.75 mm<sup>2</sup> (DALI), length 3000 mm. Order canopy separately (see accessories). Top cover indirect opal. Colour rendering CRI≥80.

	CCT	Control	L [mm]	φ Ni [lm]	φ Nd [lm]	φ Ng [lm]	P [W]	η [lm/W]
M34 3354.B	3000 K	On/Off	1130	2614	2253	4867	51	95
M35 3354.B	3000 K	On/Off	1410	3288	2835	6123	64	96
M34 3364.B	3000 K	On/Off	2250	5226	4506	9732	103	95
M34 3356.B	3000 K	DALI	1130	2614	2253	4867	50	97
M35 3356.B	3000 K	DALI	1410	3288	2835	6123	60	102
M34 3366.B	3000 K	DALI	2250	5226	4506	9732	100	97
M34 3454.B	4000 K	On/Off	1130	2650	2285	4935	51	96
M35 3454.B	4000 K	On/Off	1410	3334	2875	6209	64	97
M34 3464.B	4000 K	On/Off	2250	5300	4570	9870	103	96
M34 3456.B	4000 K	DALI	1130	2650	2285	4935	50	99
M35 3456.B	4000 K	DALI	1410	3334	2875	6209	60	103
M34 3466.B	4000 K	DALI	2250	5300	4570	9870	100	99





## with PMMA opal diffuser



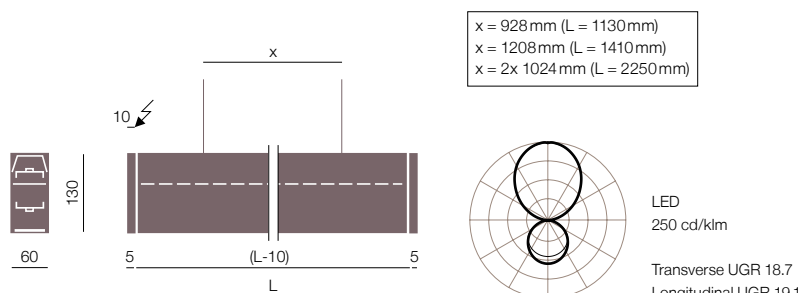
Indirect/direct distribution. Underside PMMA opal diffuser, 6mm, interlocking with the profile underside, glossy surface.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

Steel cable  $\varnothing 1,5$  mm, length 2500 mm.

Pre-mounted power cable, transparent  $3 \times 0.75$  mm<sup>2</sup> (On/Off),  $5 \times 0.75$  mm<sup>2</sup> (DALI), length 3000 mm. Order canopy separately (see accessories). Top cover indirect opal. Colour rendering CRI $\geq 80$ .

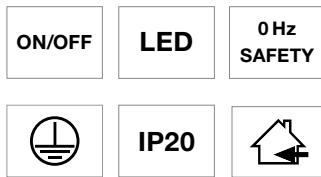
	CCT	Control	L [mm]	$\phi$ Ni [lm]	$\phi$ Nd [lm]	$\phi$ Ng [lm]	P [W]	$\eta$ [lm/W]
<b>M34 8354.B</b>	3000 K	On/Off	1130	2614	1529	4143	51	81
<b>M35 8354.B</b>	3000 K	On/Off	1410	3288	1924	5212	64	82
<b>M34 8364.B</b>	3000 K	On/Off	2250	5225	3058	8283	103	81
<b>M34 8356.B</b>	3000 K	DALI	1130	2614	1529	4143	50	83
<b>M35 8356.B</b>	3000 K	DALI	1410	3288	1924	5212	60	87
<b>M34 8366.B</b>	3000 K	DALI	2250	5225	3058	8283	100	83
<b>M34 8454.B</b>	4000 K	On/Off	1130	2650	1551	4201	51	82
<b>M35 8454.B</b>	4000 K	On/Off	1410	3334	1951	5285	64	83
<b>M34 8464.B</b>	4000 K	On/Off	2250	5300	3102	8402	103	82
<b>M34 8456.B</b>	4000 K	DALI	1130	2650	1551	4201	50	84
<b>M35 8456.B</b>	4000 K	DALI	1410	3334	1951	5285	60	88
<b>M34 8466.B</b>	4000 K	DALI	2250	5300	3102	8402	100	84





# BAR I Suspended luminaire

## with microprismatic D



Indirect/direct distribution. Underside grey-coloured PMMA inlay with conical prism surface for reduced light density and glare.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

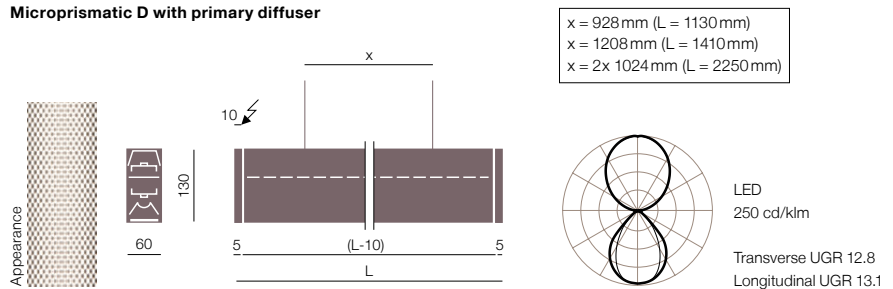
Steel cable  $\varnothing 1,5$  mm, length 2500 mm.

Pre-mounted power cable, transparent  $3 \times 0.75$  mm<sup>2</sup> (On/Off),  $5 \times 0.75$  mm<sup>2</sup> (DALI), length 3000 mm. Order canopy separately (see accessories). Top cover indirect opal. Colour rendering CRI $\geq 80$ .

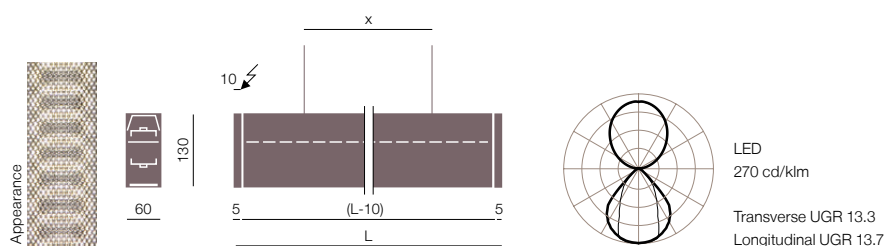
	CCT	Control	L [mm]	$\phi$ Ni [lm]	$\phi$ Nd [lm]	$\phi$ Ng [lm]	P [W]	$\eta$ [lm/W]
<b>M34 7354.B</b>	3000 K	On/Off	1130	2613	1641	4254	51	83
<b>M35 7354.B</b>	3000 K	On/Off	1410	3288	2064	5352	64	84
<b>M34 7364.B</b>	3000 K	On/Off	2250	5226	3282	8508	103	83
<b>M34 6354.B</b>	3000 K	On/Off	1130	2613	1492	4105	51	80
<b>M35 6354.B</b>	3000 K	On/Off	1410	3288	1878	5166	64	81
<b>M34 6364.B</b>	3000 K	On/Off	2250	5226	2984	8210	103	80
<b>M34 7356.B</b>	3000 K	DALI	1130	2613	1641	4254	50	85
<b>M35 7356.B</b>	3000 K	DALI	1410	3288	2064	5352	60	89
<b>M34 7366.B</b>	3000 K	DALI	2250	5226	3282	8508	100	85
<b>M34 6356.B</b>	3000 K	DALI	1130	2613	1492	4105	50	82
<b>M35 6356.B</b>	3000 K	DALI	1410	3288	1878	5166	60	86
<b>M34 6366.B</b>	3000 K	DALI	2250	5226	2984	8210	100	82
<b>M34 7454.B</b>	4000 K	On/Off	1130	2650	1664	4314	51	84
<b>M35 7454.B</b>	4000 K	On/Off	1410	3334	2094	5428	64	85
<b>M34 7464.B</b>	4000 K	On/Off	2250	5300	3328	8628	103	84
<b>M34 6454.B</b>	4000 K	On/Off	1130	2650	1513	4163	52	80
<b>M35 6454.B</b>	4000 K	On/Off	1410	3334	1904	5238	64	82
<b>M34 6464.B</b>	4000 K	On/Off	2250	5300	3026	8326	102	82
<b>M34 7456.B</b>	4000 K	DALI	1130	2650	1664	4314	50	86
<b>M35 7456.B</b>	4000 K	DALI	1410	3334	2094	5428	60	90
<b>M34 7466.B</b>	4000 K	DALI	2250	5300	3328	8628	100	86
<b>M34 6456.B</b>	4000 K	DALI	1130	2650	1513	4163	50	83
<b>M35 6456.B</b>	4000 K	DALI	1410	3334	1904	5238	60	87
<b>M34 6466.B</b>	4000 K	DALI	2250	5300	3026	8326	100	83

**Explanation:** MXX 6XXX.B = with primary diffuser / MXX 7XXX.B = without primary diffuser

### Microprismatic D with primary diffuser

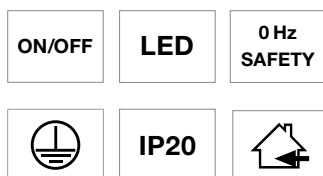


### Microprismatic D without primary diffuser





## with parabolic louvre



Indirect/direct distribution. Underside with aluminium parabolic louvre, semi-matt (MIRO 20) with diffuser plate 1 mm.

Extruded aluminium profile, chemically matted and natural anodised. Solid aluminium end caps, milled, chemically matted and natural anodised with internal screw fastening, centring pins and foam moulding to block the light.

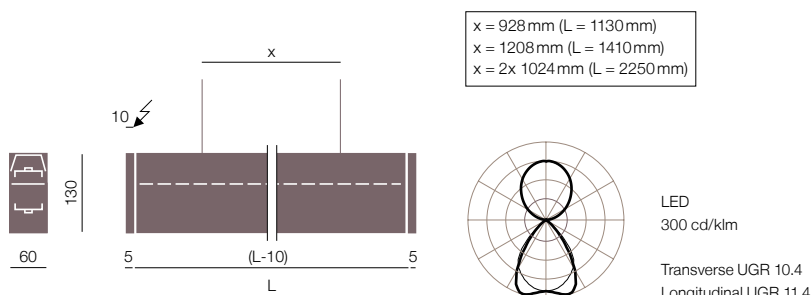
Steel cable  $\varnothing 1,5$  mm, length 2500 mm.

Pre-mounted power cable, transparent  $3 \times 0.75 \text{ mm}^2$  (On/Off),  $5 \times 0.75 \text{ mm}^2$  (DALI), length 3000 mm. Order canopy separately (see accessories).

Top cover indirect opal.

Colour rendering  $\text{CRI} \geq 80$ .

	CCT	Control	L [mm]	$\phi$ Ni [lm]	$\phi$ Nd [lm]	$\phi$ Ng [lm]	P [W]	$\eta$ [lm/W]
<b>M34 1354.B</b>	3000 K	On/Off	1130	2614	1884	4498	51	88
<b>M35 1354.B</b>	3000 K	On/Off	1410	3288	2370	5658	64	89
<b>M34 1364.B</b>	3000 K	On/Off	2250	5228	3768	8996	103	88
<b>M34 1356.B</b>	3000 K	DALI	1130	2614	1884	4498	50	90
<b>M35 1356.B</b>	3000 K	DALI	1410	3289	2370	5659	60	94
<b>M34 1366.B</b>	3000 K	DALI	2250	5228	3768	8996	100	90
<b>M34 1454.B</b>	4000 K	On/Off	1130	2650	1910	4560	51	89
<b>M35 1454.B</b>	4000 K	On/Off	1410	3334	2404	5738	64	90
<b>M34 1464.B</b>	4000 K	On/Off	2250	5300	3820	9120	103	89
<b>M34 1456.B</b>	4000 K	DALI	1130	2650	1910	4560	50	91
<b>M35 1456.B</b>	4000 K	DALI	1410	3334	2404	5738	60	96
<b>M34 1466.B</b>	4000 K	DALI	2250	5300	3820	9120	100	91



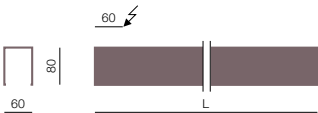




BAR D empty profile

For use with BAR with direct distribution. Extruded aluminium profile, chemically matted and natural anodised. 1 top cable entry. For special lengths, take linear thermal expansion into consideration. Accessories for suspended, ceiling or wall mountings with a maximum distance of 1500 mm, order separately. All length specifications are nominal dimensions.

	Length in mm
M12 0010	560
M13 0010	840
M13 0050	1680
M14 0010	1120
M14 0030	3360
M15 0010	1400
M15 0030	4200
M16 0050	1960
M17 0050	2240
M18 0050	2520
M19 0050	2800
M19 0030-FC	At choice up to a max. of 4500



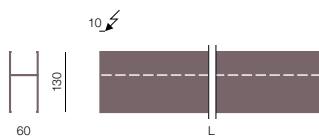




## BAR I empty profile

For use with BAR with indirect/direct distribution. Extruded aluminium profile, chemically matted and natural anodised. 1 cable feedthrough in the cross ridge. For special lengths, take linear thermal expansion into consideration. Mount accessories for suspended, ceiling or wall mountings with a maximum distance of 1500 mm, order separately (See modules). All length specifications are nominal dimensions.

	Length in mm
<b>M32 0010</b>	560
<b>M33 0010</b>	840
<b>M33 0050</b>	1680
<b>M34 0010</b>	1120
<b>M34 0030</b>	3360
<b>M35 0010</b>	1400
<b>M35 0030</b>	4200
<b>M36 0050</b>	1960
<b>M37 0050</b>	2240
<b>M38 0050</b>	2520
<b>M39 0050</b>	2800
<b>M39 0030-FC</b>	At choice up to a max. of 4500





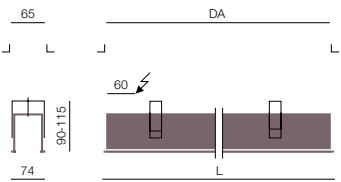


BAR E empty profile

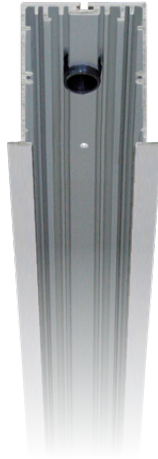
For use with BAR, direct distribution. Extruded aluminium profile, chemically matted and natural anodised. 2 or 3 drill holes in the casing roof for pivot mounting brackets. 1 top cable entry. For special lengths, take linear thermal expansion into consideration (see. Empty housing: 2 pivot mounting brackets, or 3, from L 1984 mm, order separately (see modules). Empty intermediate and end profiles: 2 pivot mounting brackets, or 3, from L 1960 mm, order separately (see modules). Installation depth including mounting brackets 90–115 mm.

BAR E Empty housing with end plates on each side

	Ceiling cut-out in mm	Length in mm
M52 0810	574	584
M53 0810	854	864
M53 0850	1694	1704
M54 0810	1134	1144
M54 0830	3374	3384
M55 0810	1414	1424
M55 0830	4214	4224
M56 0850	1974	1984
M57 0850	2254	2264
M58 0850	2534	2544
M59 0850	2814	2824
M59 0830-FC	Max. 4514	At choice up to a max. of 4524





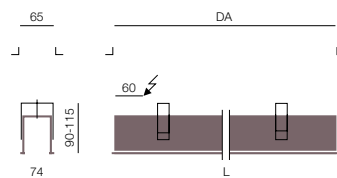


#### BAR E Empty intermediate profile, without end plates

	Ceiling cut-out and Length in mm
<b>M72 0010</b>	560
<b>M73 0010</b>	840
<b>M73 0050</b>	1680
<b>M74 0010</b>	1120
<b>M74 0030</b>	3360
<b>M75 0010</b>	1400
<b>M75 0030</b>	4200
<b>M76 0050</b>	1960
<b>M77 0050</b>	2240
<b>M78 0050</b>	2520
<b>M79 0050</b>	2800
<b>M79 0030-FC</b>	At choice up to a max. of 4500

#### BAR E Empty end profile with end plate on one side

	Ceiling cut-out in mm	Length in mm
<b>M82 0010</b>	567	572
<b>M83 0010</b>	847	852
<b>M83 0050</b>	1687	1692
<b>M84 0010</b>	1127	1132
<b>M84 0030</b>	3367	3372
<b>M85 0010</b>	1407	1412
<b>M85 0030</b>	4207	4212
<b>M86 0050</b>	1967	1972
<b>M87 0050</b>	2247	2252
<b>M88 0050</b>	2527	2532
<b>M89 0050</b>	2807	2812
<b>M89 0030-FC</b>	Max. 4507	At choice up to a max. of 4512





## BAR D Light strips



### Light strip grid Z140/Z280 mm

LED Light strip insert with steel plate fitting, white, 2 plastic cabinet locks for a quick assembly without tools, 2 drop guards on spring, earth contacts as a standby for simplified wiring process. Halogen-free wiring 5 x 1,5 mm<sup>2</sup>, plug in terminal 5 x 1,5 mm<sup>2</sup>.

All length specifications are nominal dimensions. Colour rendering CRI ≥80.

#### Light strip Power level P1 3000 K

	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
<b>M02 0311.B</b>	3000 K	On/Off	560	1724	13	133
<b>M07 0311.B</b>	3000 K	On/Off	700	2124	17	125
<b>M03 0311.B</b>	3000 K	On/Off	840	2548	20	127
<b>M09 0311.B</b>	3000 K	On/Off	980	2905	21	138
<b>M04 0311.B</b>	3000 K	On/Off	1120	3409	26	131
<b>M05 0311.B</b>	3000 K	On/Off	1400	4290	32	134
<b>M06 0311.B</b>	3000 K	On/Off	1680	4959	34	146
<b>M02 0313.B</b>	3000 K	DALI	560	1724	13	133
<b>M07 0313.B</b>	3000 K	DALI	700	2124	15	142
<b>M03 0313.B</b>	3000 K	DALI	840	2548	19	134
<b>M09 0313.B</b>	3000 K	DALI	980	2905	20	145
<b>M04 0313.B</b>	3000 K	DALI	1120	3409	25	136
<b>M05 0313.B</b>	3000 K	DALI	1400	4290	30	143
<b>M06 0313.B</b>	3000 K	DALI	1680	4959	34	146

#### Light strip Power level P2 3000 K

	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
<b>M12 0311.B</b>	3000 K	On/Off	560	1233	10	123
<b>M17 0311.B</b>	3000 K	On/Off	700	1540	12	128
<b>M13 0311.B</b>	3000 K	On/Off	840	1846	14	132
<b>M19 0311.B</b>	3000 K	On/Off	980	2116	16	132
<b>M14 0311.B</b>	3000 K	On/Off	1120	2454	17	144
<b>M15 0311.B</b>	3000 K	On/Off	1400	3017	20	151
<b>M16 0311.B</b>	3000 K	On/Off	1680	3512	24	146
<b>M12 0313.B</b>	3000 K	DALI	560	1233	9	137
<b>M17 0313.B</b>	3000 K	DALI	700	1540	11	140
<b>M13 0313.B</b>	3000 K	DALI	840	1846	13	142
<b>M19 0313.B</b>	3000 K	DALI	980	2116	15	141
<b>M14 0313.B</b>	3000 K	DALI	1120	2454	17	144
<b>M15 0313.B</b>	3000 K	DALI	1400	3017	21	144
<b>M16 0313.B</b>	3000 K	DALI	1680	3512	25	140

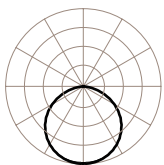
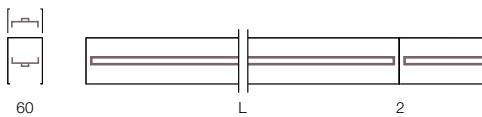


### Light strip Power level P1 4000K

	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
<b>M02 0411.B</b>	4000 K	On/Off	560	1748	13	134
<b>M07 0411.B</b>	4000 K	On/Off	700	2206	17	130
<b>M03 0411.B</b>	4000 K	On/Off	840	2584	20	129
<b>M09 0411.B</b>	4000 K	On/Off	980	3017	21	144
<b>M04 0411.B</b>	4000 K	On/Off	1120	3457	26	133
<b>M05 0411.B</b>	4000 K	On/Off	1400	4350	32	136
<b>M06 0411.B</b>	4000 K	On/Off	1680	5149	34	151
<b>M02 0413.B</b>	4000 K	DALI	560	1748	13	134
<b>M07 0413.B</b>	4000 K	DALI	700	2206	15	147
<b>M03 0413.B</b>	4000 K	DALI	840	2584	19	136
<b>M09 0413.B</b>	4000 K	DALI	980	3017	20	151
<b>M04 0413.B</b>	4000 K	DALI	1120	3457	25	138
<b>M05 0413.B</b>	4000 K	DALI	1400	4350	30	145
<b>M06 0413.B</b>	4000 K	DALI	1680	5149	34	151

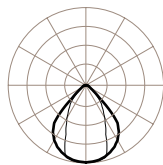
### Light strip Power level P2 4000K

	CCT	Control	L [mm]	φ N [lm]	P [W]	η [lm/W]
<b>M12 0411.B</b>	4000 K	On/Off	560	1311	10	131
<b>M17 0411.B</b>	4000 K	On/Off	700	1638	12	137
<b>M13 0411.B</b>	4000 K	On/Off	840	1964	14	140
<b>M19 0411.B</b>	4000 K	On/Off	980	2251	16	141
<b>M14 0411.B</b>	4000 K	On/Off	1120	2610	17	154
<b>M15 0411.B</b>	4000 K	On/Off	1400	3209	20	160
<b>M16 0411.B</b>	4000 K	On/Off	1680	3736	24	156
<b>M12 0413.B</b>	4000 K	DALI	560	1311	9	146
<b>M17 0413.B</b>	4000 K	DALI	700	1638	11	149
<b>M13 0413.B</b>	4000 K	DALI	840	1964	13	151
<b>M19 0413.B</b>	4000 K	DALI	980	2251	15	150
<b>M14 0413.B</b>	4000 K	DALI	1120	2610	17	154
<b>M15 0413.B</b>	4000 K	DALI	1400	3209	21	153
<b>M16 0413.B</b>	4000 K	DALI	1680	3736	25	149



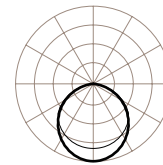
Without optic

LED  
340 cd/klm  
 $\eta_{LB} = 1,0$



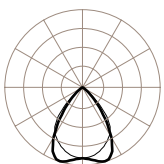
Microprismatic D  
without primarily diffusor

LED  
700 cd/klm  
 $\eta_{LB} = 0,48$



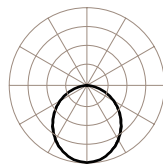
Acrylic glass opal

LED  
380 cd/klm  
 $\eta_{LB} = 0,45$



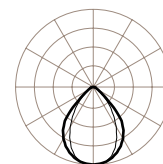
Parabolic louvre

LED  
720 cd/klm  
 $\eta_{LB} = 0,55$



CoEx diffusor opal

LED  
380 cd/klm  
 $\eta_{LB} = 0,66$



Microprismatic D  
with primarily diffusor

LED  
670 cd/klm  
 $\eta_{LB} = 0,44$







## GEMEINDEVERWALTUNG WÖHLLEN

2

Beu und Planung  
Liegenschaften, Land- und Forstwirtschaft  
Gemeindebetriebe  
Umwelt

1

Finanzen  
Steuern/ Anträge Bewertung  
Bildung und Kultur  
Schutz und Sicherheit

E

<<< Einwohnerkontrolle/ Fremdenkontrolle/ Ortopolizei  
Soziale Dienste  
Arbeitsamt  
Altenheim  
Präventive Beratung  
Sozialhilfe  
Vermögensschaft  
Cafeteria  
WC  
Sitzungszimmer

>>> Präsidiales  
Sitzungszimmer Gemeinderat





Optical microprisms D

For use with BAR Light strips.  
For special lengths, take linear thermal expansion into consideration (see page 48).  
All length specifications are nominal dimensions.

	Length in mm
M02 7010	560
M07 7010	700
M03 7010	840
M09 7010	980
M04 7010	1120
M05 7010	1400
M07 7030-FC	At choice up to a maximum of 1500
M03 7050	1680 (consisting of 2x 840 mm)

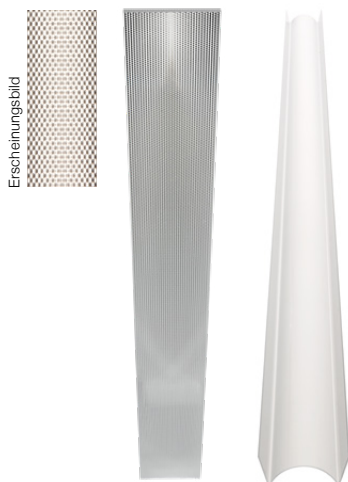


Primary diffuser

For use with BAR Lights strips, the primary diffuser clips in for a uniform illumination.  
For special lengths, take linear thermal expansion into consideration (see page 48).  
All length specifications are nominal dimensions.

	Length in mm
M02 4010	560
M07 4010	700
M03 4010	840
M09 4010	980
M04 4010	1120
M05 4010	1400
M03 4050	1680
M06 4050	1960
M07 4050	2240
M08 4050	2520
M09 4050	2800
M04 4030	3360
M05 4030	4200
M07 4030-FC	At choice up to a maximum of 4500





### Optical microprisms D with primary diffuser

For use with BAR Light strips.

For special lengths, take linear thermal expansion into consideration (see page 48). With primary diffuser for uniform illumination.

Separate units packaged separately.

All length specifications are nominal dimensions.

	Length in mm
<b>M02 6010</b>	560
<b>M07 6010</b>	700
<b>M03 6010</b>	840
<b>M09 6010</b>	980
<b>M04 6010</b>	1120
<b>M05 6010</b>	1400
<b>M03 6050</b>	1680 (consisting of 2x 840mm CDP 1x 1680mm Primärdif.)



### PMMA opal diffuser

For use with BAR Light strips. 6mm PMMA diffuser with the sides milled in, interlocking and with a glossy surface.

For special lengths, take linear thermal expansion into consideration (see page 48).

All length specifications are nominal dimensions

	Length in mm
<b>M02 8010</b>	560
<b>M07 8020</b>	700
<b>M03 8010</b>	840
<b>M09 8020</b>	980
<b>M04 8010</b>	1120
<b>M05 8010</b>	1400
<b>M03 8050</b>	1680
<b>M06 8010</b>	1960
<b>M07 8010</b>	2240
<b>M08 8010</b>	2520
<b>M09 8010</b>	2800
<b>M07 8030-FC</b>	At choice up to a maximum of 2800





CoEx opal diffuser

For use with BAR Light strips.  
Clip-in PMMA diffuser, interlocking with highly reflective opal sides for the very high energy efficiency and uniform illumination.  
For special lengths, take linear thermal expansion into consideration (see page 48).  
All length specifications are nominal dimensions.

	Length in mm
M02 3010	560
M07 3010	700
M03 3010	840
M09 3010	980
M04 3010	1120
M05 3010	1400
M03 3050	1680
M06 3050	1960
M07 3050	2240
M08 3050	2520
M09 3050	2800
M04 3030	3360
M05 3030	4200
M07 3030-FC	At choice up to a maximum of 4500



Parabolic louvre

For use with BAR Light strips.  
Aluminium parabolic louvre Miro 20 matt clip-in with spring steel springs. 1 mm PMMA primary diffuser plate for uniform illumination and as an LED protective cover.  
For special lengths, take linear thermal expansion into consideration (see page 48).  
All length specifications are nominal dimensions.

	Length in mm
M02 1010	560
M07 1010	700
M03 1010	840
M09 1010	980
M04 1010	1120
M05 1010	1400
M03 1050	1680 (consisting of 2x 840mm)





### Dummy cover

Extruded aluminium profile, chemically matted and natural anodised.

Interlocking. Order wiring extension separately (see accessories).

For special lengths, take linear thermal expansion into consideration (see page 48).

All length specifications are nominal dimensions.

	Length in mm
<b>M02 0810</b>	560
<b>M07 0810</b>	700
<b>M03 0810</b>	840
<b>M09 0810</b>	980
<b>M04 0810</b>	1120
<b>M05 0810</b>	1400
<b>M03 0850</b>	1680
<b>M07 0830-FC</b>	At choice up to a maximum of 4500



### Cover indirect opal.

For use with BAR Light strips. For variants with pendulum suspension shorter cover lengths can be ordered. Cover for power supply with cut-out can be ordered separately in the strain relief set. For special lengths, take linear thermal expansion into consideration (see page 48). All length specifications are nominal dimensions.

#### Indirect opal cover for system or suspended versions

	Length in mm
<b>M02 9010</b>	560
<b>M07 9010</b>	700
<b>M03 9010</b>	840
<b>M09 9010</b>	980
<b>M04 9010</b>	1120
<b>M05 9010</b>	1400
<b>M05 9011</b>	1468
<b>M03 9050</b>	1680
<b>M07 9030-FC</b>	At choice up to a maximum of 4500

#### Indirect opal cover suspended version, only center lenght

*For your Information:*

	Centre length in mm	Profile length in mm	Start/end piece length in mm
<b>M04 9011</b>	898	1130	80
<b>M04 9051</b>	994	2250	80
<b>M04 9052</b>	874	2250	200
<b>M05 9012</b>	1178	1410	80

*Planning aid, see page 46.*

#### Tail pendulum without cut-out

	Length in mm
<b>M00 9001</b>	200





## Power rail insert

Extruded Aluminium profile, chemically matted and natural anodised with integrated On/Off and DALI power rail aluminium Eutrac, natural anodised, maximum load 3x16 A. 2 locking screws. Power supplies on both sides, one side with halogen-free extension wiring 5x1,5mm<sup>2</sup>. Special lengths upon request. All length specifications are nominal dimensions.

### Power rail On/Off

	Length Power rail in mm	Total length in mm
<b>M92 0011</b>	342	560
<b>M93 0011</b>	622	840
<b>M93 0051</b>	1462	1680
<b>M94 0011</b>	902	1120
<b>M95 0011</b>	1182	1400
<b>M97 0011</b>	482	700
<b>M99 0011</b>	762	980

### Power rail DALI

	Length Power rail in mm	Total length in mm
<b>M92 0013</b>	342	560
<b>M93 0013</b>	622	840
<b>M93 0053</b>	1462	1680
<b>M94 0013</b>	902	1120
<b>M95 0013</b>	1182	1400
<b>M97 0013</b>	482	700
<b>M99 0013</b>	762	980









**BAR D end plate**

Solid aluminium, milled, chemically matted and natural anodised with internal screw fastening, and centring pins.  
Foam moulding to block the light

Dimensions in mm	
M10 0000	80x60x5



**BAR I end plate**

Solid aluminium, milled, chemically matted and plain anodised with internal screw fastening, and centring pins.  
Foam moulding to block the light

Dimensions in mm	
M30 0000	130x60x5



**Slide protection**

Necessary for vertical mounting and inclined mounting from angles of >10°. Screwable and fixable with two grub screws.

M90 0005
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**Profile connector**

Extruded aluminium, 4 threaded pins M4 to attach to the profile.  
T and cross connectors upon request.

Dimensions in mm	
M90 0003	100x56





### Corner connector 90°

Blank aluminium, 2x3 screws to attach to the profile.

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**M90 0002**

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### Swivel corner connector 0–90°

Blank aluminium, 2x3 screws to attach to the profile

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**M90 0001**

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### Level connector 90–0–90°

Blank aluminium hinge, 2x2 screws to attach to the profile.

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**M90 0000**

---



### BAR D suspension

Steel ceiling cylinders, nickel plated. Steel cable Ø 1,5mm, L 2500mm height freely adjustable, adjustable in light profile. Mounting distance max. 1500mm.

	Length
<b>M10 0004</b>	2500mm

---





**BAR I Suspension**

Steel ceiling cylinders, nickel plated. Steel cable Ø 1,5 mm, L 2500 mm height freely adjustable, adjustable in light profile. Special cover lengths indirect opal are needed, mounting distance max. 1500 mm.

	Length in mm
M30 0004	2500



**Power supply round**

Chemically matted and natural anodised, with internal screw fastening, floating clips to simplify power supply. Power cable must be ordered separately.

	Dimensions in mm
Z00 0021	Ø 80x22



**Power supply square**

Chemically matted and natural anodised with internal screw fastening, floating clips to simplify power supply. chemically matted and natural anodised with internal screw fastening, floating terminals to simplify power supply. Power cable must be ordered separately.

	Dimensions in mm
Z00 0020	80x80x22

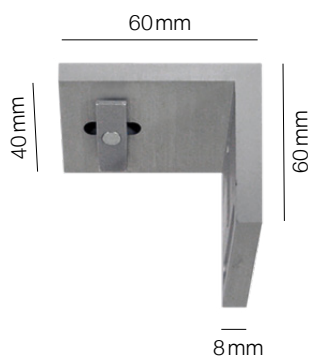


**BAR D ceiling mounting**

Aluminium ceiling mounting, chemically matted and natural anodised, adjustable in the light profile. Mounting distance max. 1500 mm.

	Dimensions in mm
M10 0007	D = 30 x H = 20

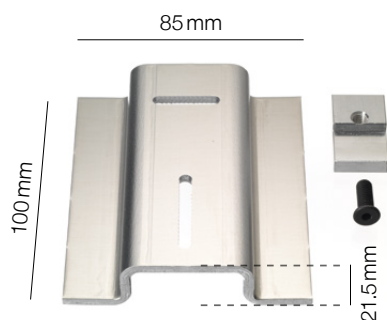




### BAR D wall mounting

Aluminium chemically matted and natural anodised, slit for wall adjustment, adjustable in the light profile. Mounting distance max. 1500 mm. Dimensions and mounting points, see Manual.

	Distance profile from wall in mm
<b>M20 0000</b>	8-20



### BAR I wall mounting

Extruded aluminium clamping profile, chemically matted and natural anodised. Mounting plate untreated aluminium with two slots to allow easy adjustment. Dimensions and mounting pants, see Manual. Important note: For the assembling with the BAR I monting kit, the profile has to be machined. Please specify it in your order.

	Distance profile from wall in mm
<b>M40 0000</b>	21.5



### Bar D strain relief set

The anti rotation device is secured with the plates.

<b>M10 0005</b>	
-----------------	--



### Opal joint lamination, self-adhesive on one side

PET foil T0.2 mm for a seamless transition for PMMA diffuser, opal, and CoEx enclosures

<b>M91 0000</b>	L46xB15mm
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### Bar I strain relief set

The strain relief set is attached to the profile with two M4 x 40 threaded pins. An opal cover  $l = 200\text{ mm}$  with cut-out is also included, to allow the cable to be fed in. The cover can be cut down to the required length on site.

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**M30 0005**

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### BAR E pivot mounting bracket large

For ceiling thicknesses  $s = 0\text{--}25\text{ mm}$ . Stainless steel bracket with threaded sleeve and pivot/fixation screw M5, zinc plated. Minimum installation depth is a result of the bracket height and the thickness of the ceiling panel. If the installation depth is less than 115 mm, the fixation screw must be shortened on site.

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**M50 0001**

---



### BAR E pivot mounting bracket small

For ceiling thicknesses  $s = 25\text{--}50\text{ mm}$ . Stainless steel bracket with threaded sleeve and pivot/fixation screw M5, zinc plated. Minimum installation depth is a result of the bracket height and the thickness of the ceiling panel. If the installation depth is less than 115 mm, the fixation screw must be shortened on site.

---

**M50 0002**

---





### Power cable 5x1.5mm<sup>2</sup> transparent with Flex Clips

Cores individually colour coded

Transparent fastening clips to fix the cable to the suspension.

<b>Z00 0010</b>	Power cable 5x 1.5mm <sup>2</sup> transparent with Flex Clips, L 3 m, FEP/PVC
<b>Z00 0013</b>	Power cable 3x 1.5mm <sup>2</sup> transparent with Flex Clips, L 3 m, FEP/PVC



### Wiring extension for dummy cover

Halogen-free wiring extension 5x 1,5 mm<sup>2</sup>, colour coded for On/Off or DALI implementation, including 5 connection clips. All length specifications are nominal dimensions.

#### Wiring extension On/Off

	Suitable for dummy cover	Length in mm
<b>M12 0811</b>	M02 0810	653
<b>M13 0811</b>	M03 0810	933
<b>M14 0811</b>	M04 0810	1213
<b>M15 0811</b>	M05 0810	1493

#### Wiring extension DALI

	Suitable for dummy cover	Length in mm
<b>M12 0813</b>	M02 0810	653
<b>M13 0813</b>	M03 0810	933
<b>M14 0813</b>	M04 0810	1213
<b>M15 0813</b>	M05 0810	1493



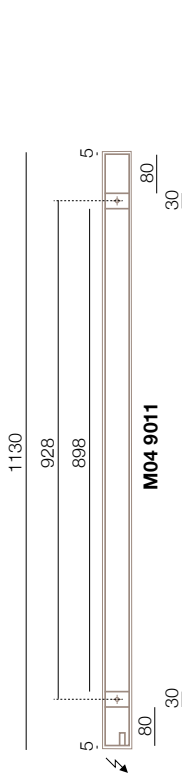
Important Note

The initial indirect cover with stain relief (M30 0005) and end plate (M00 9001) has a length of 200mm as standard. It is possible to shorten it on site.

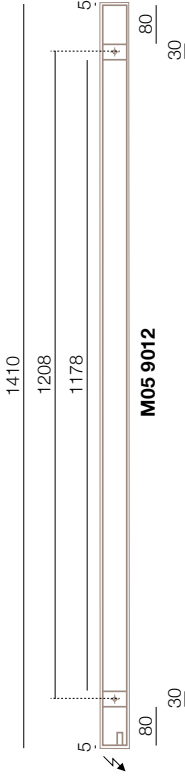
Between the light strips must be taken an additional 2 mm gap (tolerance), in the planning of light bands.

Planning aid BAR I Suspended luminaire

Profile length 1130 mm (shortest luminaire)



Profile length 1410 mm

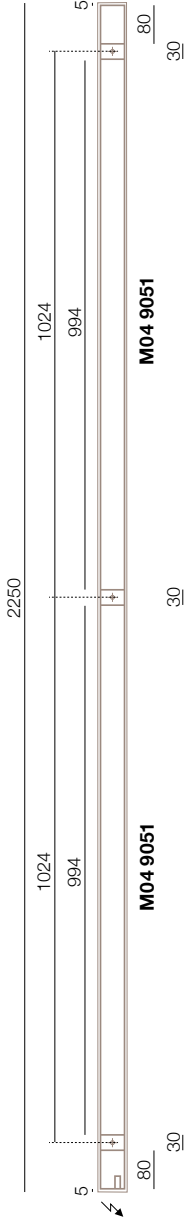


Coefficient of linear thermal expansion  
pro/lfm, at Δ T 10°C

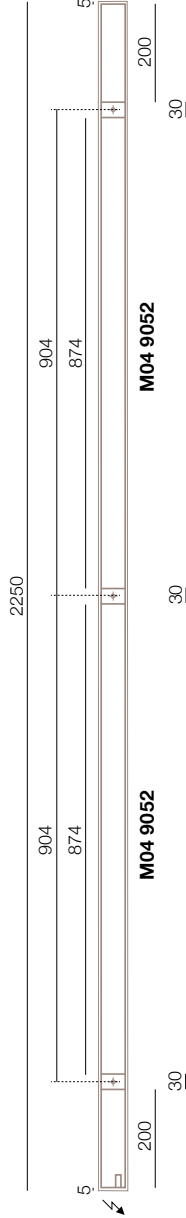
PMMA
α = 85.0x10 <sup>-6</sup> /K
Measurements for planning: 0.85mm/lfm
Mikroprismatic
α = 85.0x10 <sup>-6</sup> /K
Measurements for planning: 0.85mm/lfm
CoEx
α = 85.0x10 <sup>-6</sup> /K
Measurements for planning: 0.85mm/lfm
Indirect opal
α = 85.0x10 <sup>-6</sup> /K
Measurements for planning: 0.85mm/lfm
Aluminium
α = 23.8x10 <sup>-6</sup> /K
Measurements for planning: 0.25mm/lfm



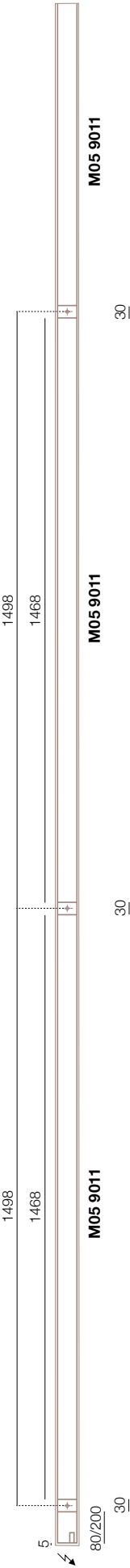
Profile length 2250 mm / Start/end piece 80 mm



Profile length 2250 mm / Start/end piece 200 mm



Light tape





# BAR General Information

## General Information

We reserve the right, to make technical and formal changes to our products, required by technical developments. The product images and descriptions match the time this lighting programme went to press. Errors are excepted.  
Current documents can be made available upon your request.

All lights are delivered without light bulbs (Exception: LED lights).

The colours and surfaces of our products are delivered in accordance with the product descriptions. If nothing else is mentioned, it refers to the following colours:  
White (similar RAL 9016)  
Black (similar RAL 9005)  
Silver (similar RAL 9006)

All measurements are given in millimetres.

The technological data for the lights can be found, if available, with the relevant light distribution curves.

## Symbols and abbreviations



The CE label documents the compliance of the products with the regulations of the European Union. It is printed on the packaging and product labels.



All lights meet the requirements for protection class IP20 (Protection against solid objects  $\geq 12\text{mm}$ ) and are not specifically labelled.



All lights are only suited for indoor use.



All lights comply with protection class I (connection to an earth wire with network disconnection in the case of a fault) and are not specifically labelled.



DC operation is possible, the product is suited for emergency power systems.



Product with LED Technology.

## Coefficient of linear thermal expansion

PMMA  
 $\alpha = 85.0 \times 10^{-6}/\text{K}$   
Measurements for planning: 0.85mm/lfm

Mikroprismatic  
 $\alpha = 85.0 \times 10^{-6}/\text{K}$   
Measurements for planning: 0.85mm/lfm

CoEx  
 $\alpha = 85.0 \times 10^{-6}/\text{K}$   
Measurements for planning: 0.85mm/lfm

Indirect opal  
 $\alpha = 85.0 \times 10^{-6}/\text{K}$   
Measurements for planning: 0.85mm/lfm

Aluminium  
 $\alpha = 23.8 \times 10^{-6}/\text{K}$   
Measurements for planning: 0.25mm/lfm

## Lighting technology

$\Phi_{Ng}$  [lm]  
Total net luminous flux  
 $\eta$  [lm/W]  
Net light output for On/Off version

CCT  
Light colour (Kelvin temperature)

CRI  
Colour rendering index







[illegible]



**Impressum**

Alteme Licht AG  
Gysularstrasse 21, CH-5000 Aarau

Version: October 2017  
Circulation: 500 Exemplare



