



Type of installation	Surface, Suspended
Light distribution	Direct, Direct-indirect
Colour of the luminaires	Black, Silver, White
Colour Temperature	3000 K warm white, 4000 K cool white
Material	Aluminium
Light source	LED MODUL
MacAdam Light source	2
Connection of the luminaires	ON/OFF DALI
Lifetime	L80/B20 50 000 hours
Warranty	60 months

Family

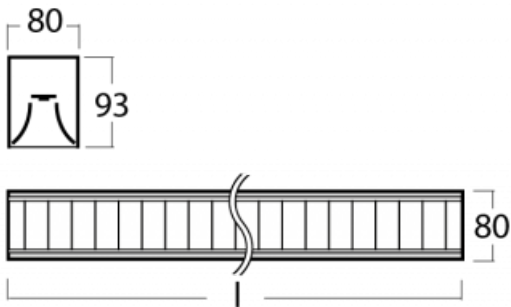
Labro80

The highest demands are placed on the lighting parameters for office luminaires. Labro80 luminaires meet and exceed all strict conditions for office lighting needs. They deliver glare ratings of UGR <19, and one model even delivers UGR <16! Surface mounted and suspended direct and indirect lighting variants are available.

Luminaire family variants Labro80



Labro80



Assembly



Light distribution



Energy class

A++, A+, A

Marks



Notes

Colour of the luminaires

Colour Temperature 3000 K warm white
4000 K cool white

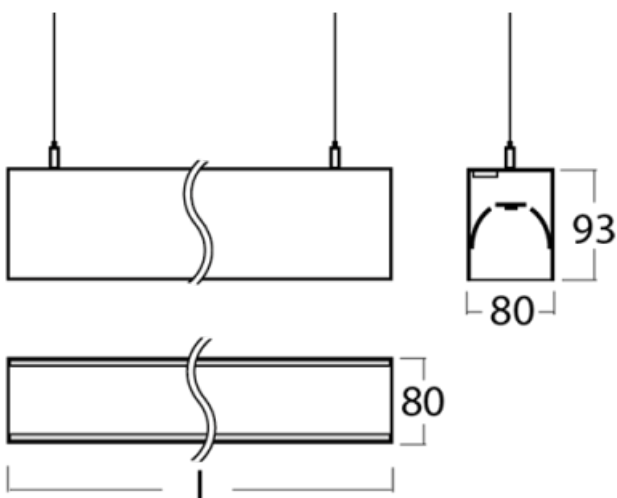
Optic system Matt parabolic louvre

Connection of the luminaires ON/OFF
DALI

Ra 80

Luminaires come complete with all necessary accessories.

Labro80



Assembly



Light distribution



Energy class


A++, A+, A

Marks



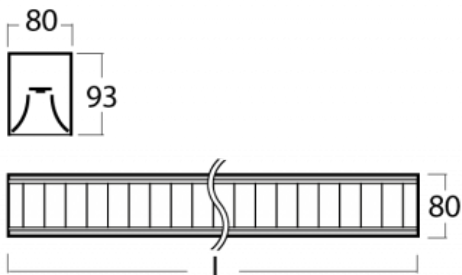
Code	Dimensions l/w/h (mm)	Power of the luminaire (W)	Luminous flux (lm)	Colour Temperature (K)	UGR
09-500I-20GGE/840, W	1122 × 93 × 80	10	1250	4000	< 19
09-501I-20GEE/840, W	1122 × 93 × 80	28	3700	4000	< 18.8
09-500I-20GHE/840, W	1122 × 93 × 80	33	3650	4000	< 18.9
09-501I-20GGE/840, W	1122 × 93 × 80	40.3	5000	4000	< 18.4
09-501I-20GHE/840, W	1122 × 93 × 80	53.3	6000	4000	< 15.5
09-500I-25GGE/840, W	1403 × 93 × 80	12.3	1560	4000	< 19
09-501I-25GEE/840, W	1403 × 93 × 80	35	4620	4000	< 18
09-500I-25GHE/840, W	1403 × 93 × 80	42	4560	4000	< 18.8
09-501I-25GGE/840, W	1403 × 93 × 80	50.3	6250	4000	< 18.4
09-501I-25GHE/840, W	1403 × 93 × 80	66.6	7500	4000	< 15.5




These codes represent white luminaires with chromaticity temperature 4000K and micro-prismatic optical system.


Notes	Colour of the luminaires	
	Colour Temperature	3000 K warm white 4000 K cool white
	Optic system	Microprisma
	Connection of the luminaires	ON/OFF DALI
	Ra	80

Luminaires come complete with all necessary accessories.

Labro80

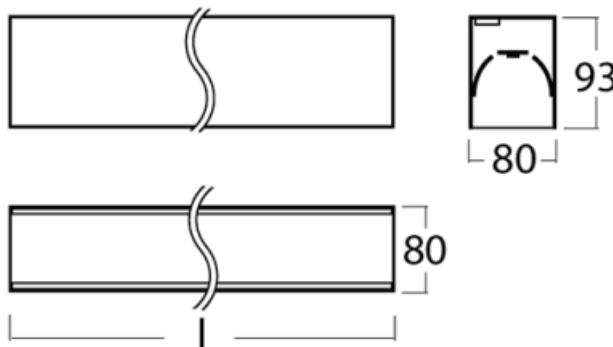





Assembly		Light distribution	
Energy class	A++, A+, A	Marks	

Notes	Colour of the luminaires	
	Colour Temperature	3000 K warm white 4000 K cool white
	Optic system	Matt parabolic louvre
	Connection of the luminaires	ON/OFF DALI
	Ra	80

Luminaires come complete with all necessary accessories.


Labro80

	Assembly 	Light distribution 
	Energy class A++, A+, A	Marks 

Code	Dimensions l/w/h (mm)	Power of the luminaire (W)	Luminous flux (lm)	Colour Temperature (K)	UGR
09-200I-20GGE/840, W	1122 × 93 × 80	10	1250	4000	< 19
09-200I-20GHE/840, W	1122 × 93 × 80	33	3650	4000	< 18.9
09-200I-25GGE/840, W	1403 × 93 × 80	12.3	1560	4000	< 19
09-200I-25GHE/840, W	1403 × 93 × 80	42	4560	4000	< 18.8

These codes represent white luminaires with chromaticity temperature 4000K and micro-prismatic optical system.

Notes

Colour of the
luminaires 

Colour Temperature 3000 K warm white
4000 K cool white

Optic system Microprisma









Connection of the
luminaires ON/OFF
DALI

Ra 80




Luminaires come complete with all necessary accessories.

Legend





Type of installation

 Recessed lights	 Wall mounted lights
 Semi-recessed luminaire	 Suspended lights
 Surface lights	 Free-standing lights
 3 circuit track lights	 Table lamp lights






Light distribution

 Direct luminaire
 Direct-indirect luminaire
 Indirect luminaire

Light source

 Tunable White adjusting the color temperature	 RealWhite true display of white color
 RealColour true display of colors Ra≥97	 StrongColour highlight one color

Marks

 Luminaire of electrical classification I (accessible conductive parts are connected to a protective cable)
 Luminaire of electrical classification II (accessible conductive parts are connected to a protective cable)
 Luminaire of electrical classification III (protection against electric shock is based on double or reinforced insulation)
 European mark of conformity that indicates the conformity of the properties of the product with all the harmonized standards and regulations of the European Community that apply to it
 Luminaires are certified according to the European ENEC system

 Recommended mounting hole size

IPxy IP code indicating the degree of protection of live parts

ERC Eurasian Conformity

09-501I-20GGE/840, W

09-501I-20GGE/840, W

09-501I-20GGE/840, W

09-501I-20GGE/840, W

Optic system

Electrical connection

Colour









Optic system

C Clear cover	L Plain aluminium reflector
D Asymmetric reflector	M Matt parabolic louvre
E Polished parabolic louvre, high LOR	S SPOT - narrow angle
F FLOOD - wide angle	U MEDIUM - middle angle
I Microprismatic optical system	W Wide beam angle
K Opal diffuser	

Electrical connection

D DALI dimmable	P Sensor and electronic ballast
E Electronic ballast non-dimmable	T By switch dimmable (touch dimm)
M Electronic ballast non-dimmable with 1h emergency	TD DALI or by switch (touch dimm) dimmable
M3 Electronic ballast non-dimmable with 3h emergency	U Dimmable luminaire with dimmer on the luminaire

Colour

W  White	B  Black	S  Silver
1021  RAL 1021	3000  RAL 3000	6021  RAL 6021
7006  RAL 7006	7045  RAL 7045	