



**Area:** Indoor Luminaires



**Category:** Linear lighting / decorative lighting / Cove



**Mounting:** Surface horizontal mounting / Surface vertical mounting / Wall mounting

Ula M is a modular linear LED light with a opal cover designed for long-term indoor professional lighting applications.

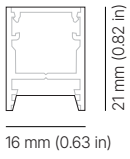
These Ula M modular LED lights are fitted with the highest quality NICHIA LEDs, with a wide range of Color rendering index (CRI) and Color temperature (CCT) options to choose from. NICHIA LEDs guarantees highest quality lighting and super-high efficacy. This LED strip is available with 3 Step MacAdam or Single Bin LEDs. Opal cover ensures continuous light effect without dark spots.

Integrated connectors are hidden inside each module. This provides for discrete, straight-forward and reliable module connection to create a seamless line of lighting.

### TECHNICAL DATA

Voltage	24 V
LED lumen maintenance	L90B10 > 60.000 h
Light engine	Any LED strip up to 19 W/m
Cover	Opal / Clear (available on request)
Housing color	● Black, ○ White, ● Grey, ● Custom
Control	Dimmable

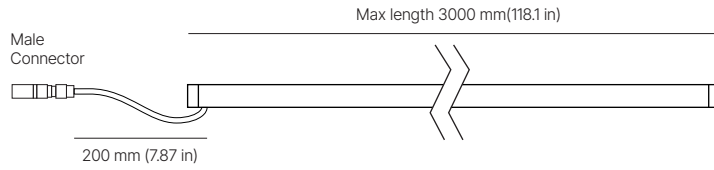




## DIMENSIONS

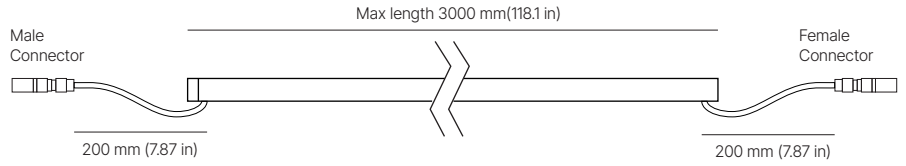
### LUMINAIRE

One cable, two endcaps



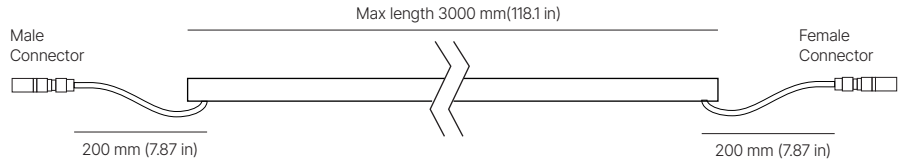
### START

Two cables, endcap at the start



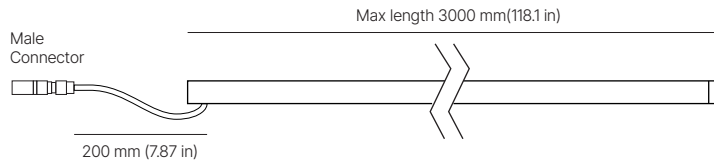
### MIDDLE

Two cables, no endcaps



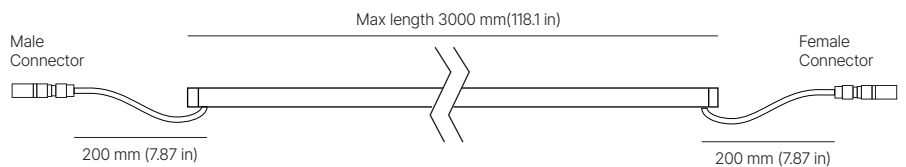
### END

One cable, endcap at the end



### FULL MODULE

Two cables, two endcaps



Final length of the luminaire calculated:

$$L = C \times N + 10\text{mm (0.39 in);}$$

L = Luminaire length

C = Cutting Step

White 24V: 125 mm (4.9 in)

White 48V: 250mm (9.8 in)

TW: 125m (4.9 in)

RGB: 125mm (4.9 in)

N = Quantity Of Segments.  $2 < N < 72$

E = Exit cable

Individual - 6mm (0.23 in)

Start - 4mm (0.16 in)

Middle - 2mm (0.08 in)

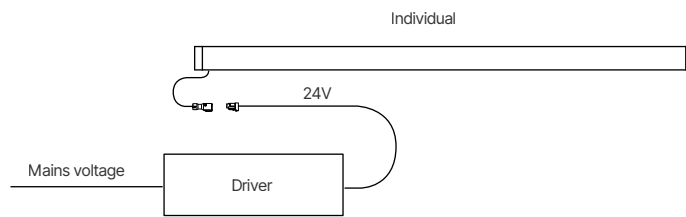
End - 4mm (0.16 in)

Full set - 6mm (0.23 in);

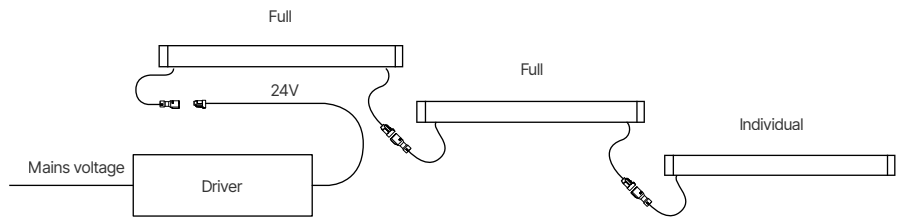
**Note:** Length tolerance  $\pm 3\text{mm/m (0.11 in)}$

## CONNECTION TYPES

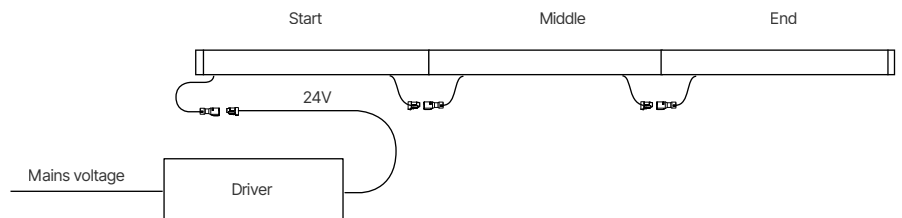
### INDIVIDUAL module



### FULL module



### CONTINUOUS LINE module (for OUTDOOR OPAL ONLY)



## CONNECTORS & WIRES

### INDOOR

#### PIX - MALE CONNECTORS

For white



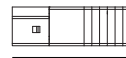
6,7 mm  
(0.26 in)

For RGB



11,7 mm  
(0.46 in)

5 mm  
(0.2 in)



15,5 mm  
(0.61 in)

5 mm  
(0.2 in)

#### PIX - FEMALE CONNECTORS

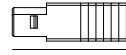


6,1 mm  
(0.24 in)



11,1 mm  
(0.43 in)

5 mm  
(0.2 in)



15 mm  
(0.59 in)

5 mm  
(0.2 in)

#### WIRES



3,6 mm  
(0.14 in)



7,2 mm  
(0.28 in)

1,8 mm  
(0.07 in)

## WIRE LENGTHS AVAILABLE

CODE	L30	L100	L1000	L2000	L10000
LENGHT	30mm	100mm	1000mm	2000mm	10000mm
	0ft 1in	3.9 in	3ft 3in	6ft 6in	32ft 10in

## LUMENS

### White

SPECTRUM	CRI	lm/m (lm/ft)	POWER			
			4.8W/m (1.46W/ft)	9.6W/m (2.9W/ft)	14.4W/m (4.38W/ft)	19.2W/m (5.84W/ft)
820/822/825/827/830/ 835/840/850/865	CRI 80+	lm/m (lm/ft)	235-365 (72-111)	481-724 (146-220)	728-1076 (222-328)	970-1422 (295-433)
920/922/925/T927/T930/ T935/T940/T950/T965	CRI 90+tri	lm/m (lm/ft)	204-356 (62-108)	403-706 (123-215)	597-1050 (182-320)	786-1380 (239-423)
027/030/035/040/050	CRI 95+	lm/m (lm/ft)	236-266 (72-81)	467-528 (142-161)	693-786 (211-239)	912-1036 (278-315)
EFFICACY (lm/W)			58	57	57	57

### RGB

COLOR	lm/m (lm/ft)	POWER		
		7.2W/m (2.2W/ft)	11.52W/m (3.5W/ft)	14.4W/m (4.38W/ft)
Total	lm/m (lm/ft)	152(46)	230(70)	228(88)
EFFICACY (lm/W)		20	21	21

## TECHNICAL SPECIFICATIONS

### SERTIFICATIONS



UL approved



Made in Europe



L90B10  
60.000 hours



CE compliant



5- year warranty



NICHIA LEDs



### KEY BENEFITS



Thermal resistance:  
-25° – +50°



Stabilized current design



Wide 2000K-6500K white color range



3-step MacAdam LEDs



Control sold separately;  
DALI, Casambi,  
1- 10V, Phase Cut



24V DC voltage input



CRI 80 +  
CRI 90+tri  
CRI 95+



Beam angle: 113°



Available in any 0.5-3m length



Customization for your project



External driver



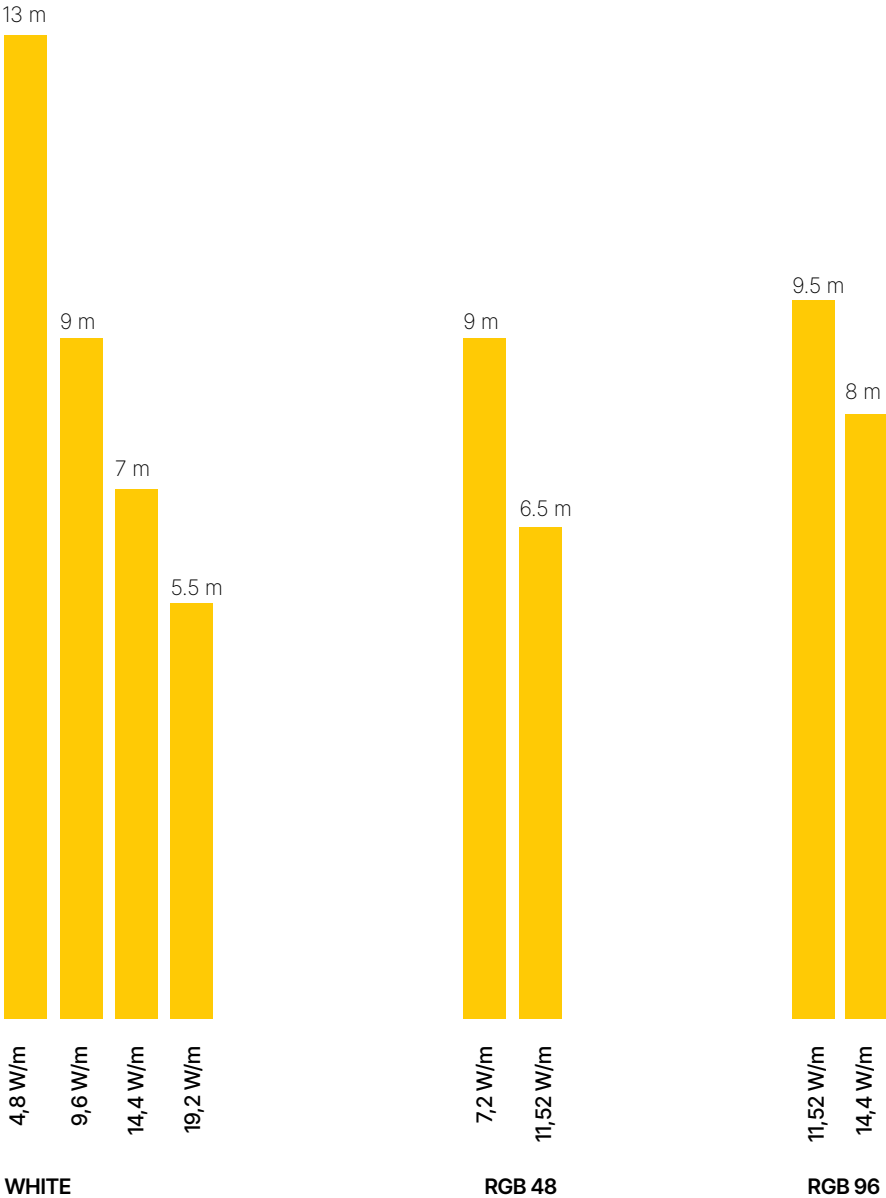
Continuous line light effect without dark spots



Reverse voltage protection

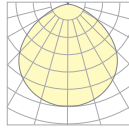
**MAX RUN**

Possible max length connected to driver from single side.



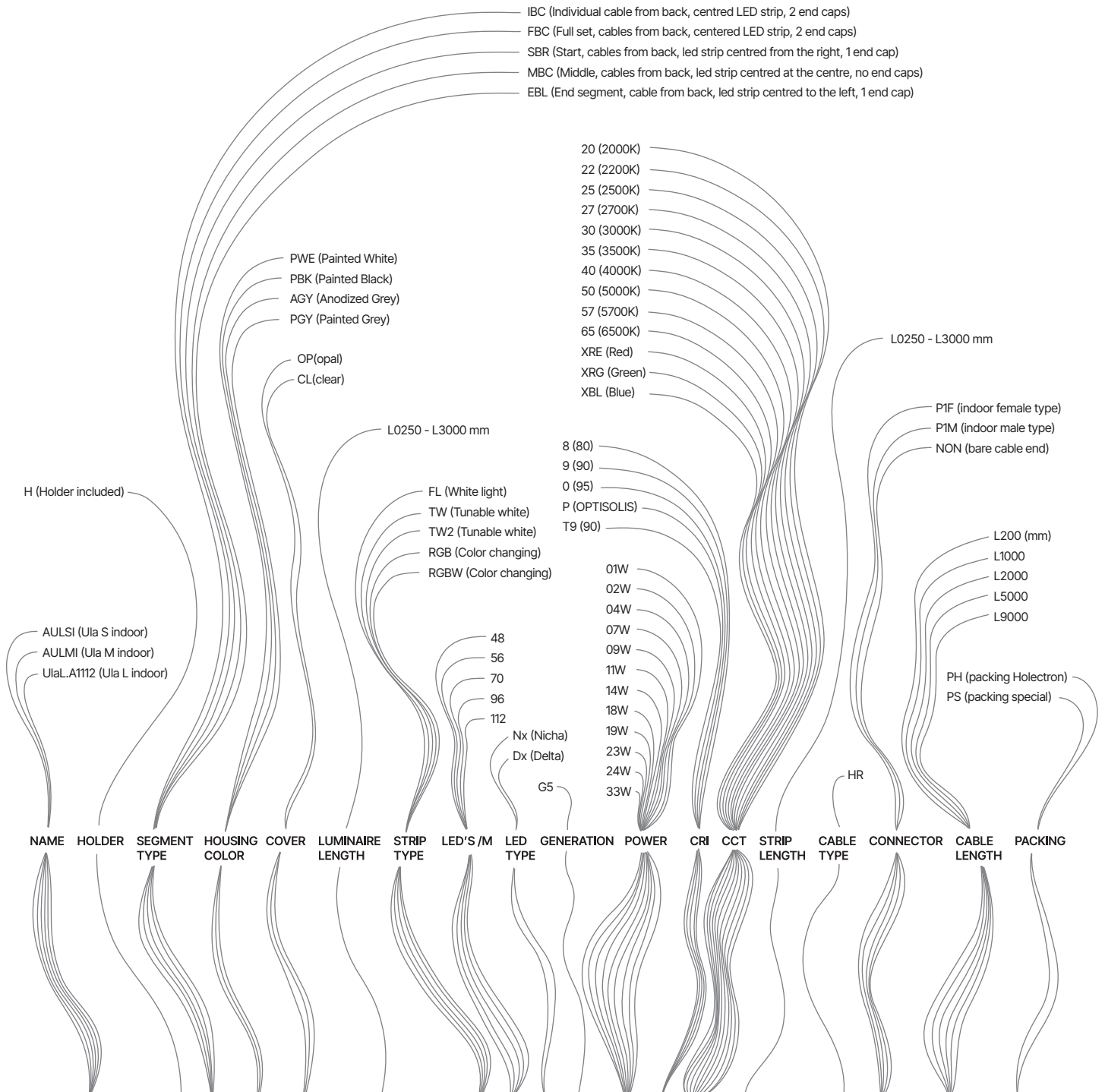
## OPTICS

**ULAM**  
LOR 39%





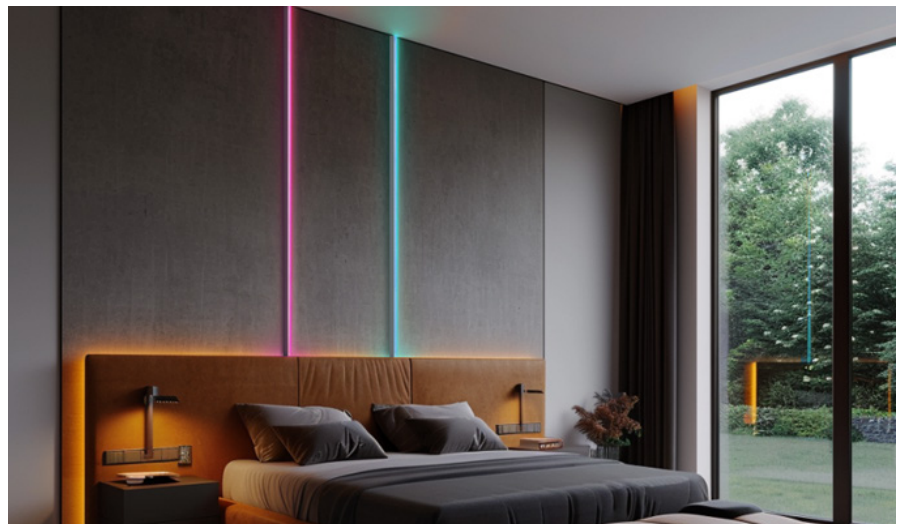
## ORDER CODE



**UlaL.A1112.H IBC PGY OPL L1008(3'4'') / FL112/Nx G5 19W T930 L1000 NC / HR.P1F.L00030 / PH**

## ORDER CODE EXAMPLE

## APPLICATIONS

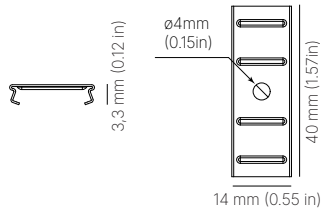
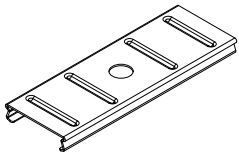


## SURFACE HOLDERS

CODE

DESCRIPTION

PRG.AULSI.F01.GZK



Metal holder

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## POWER SUPPLY - INDOOR



**Item No:** DRI.V24.ILS.FO.SE.00001  
**Description:** Power supply 100W 120 - 227 VAC 5 - year warranty  
**Color:** Static White  
**Voltage:** 24V DC  
**Control:** FO  
**Certification:** CE, UL listed

## MAX PRODUCT LENGTH

### WHITE 24V

0.5mm <sup>2</sup> (AWG 20)	4.8W/m (1.5W/ft)	9.6W/m (2.9W/ft)	14.4W/m (4.4W/ft)	19.2W/m (5.9W/ft)
Max cable length between luminaire and driver	Product max run			
1 m	12.5 m	8 m	6 m	4.5 m
2 m	12 m	7.5 m	6 m	4 m
3 m	11.5 m	7.5 m	5.5 m	3.5 m
5 m	11 m	7 m	5 m	3 m
10 m	8.5 m	5 m	3 m	0 m

1.5mm <sup>2</sup> (AWG 16)				
Max cable length between luminaire and driver	Product max run			
1 m	12.5 m	8.5 m	4.5 m	4.5 m
2 m	12.5 m	8.5 m	4.5 m	4.5 m
3 m	12.5 m	8 m	4.5 m	4.5 m
5 m	12 m	8 m	4.5 m	4 m
10 m	11.5 m	7.5 m	4 m	3.5 m

### 24V 48 RGB

0.5mm <sup>2</sup> (AWG 20)	7.2W/m (2.2W/ft)	11.5W/m (1.5W/ft)
1 m	8.5 m	5.5 m
2 m	8 m	5.5 m
3 m	8 m	5 m
5 m	7.5 m	4.5 m
10 m	7 m	3.5 m

1.5mm <sup>2</sup> (AWG 16)		
1 m	8.5 m	5.5 m
2 m	8.5 m	5.5 m
3 m	8.5 m	5.5 m
5 m	8.5 m	5.5 m
10 m	8 m	5 m

### 24V 96 RGB

0.5mm <sup>2</sup> (AWG 20)	11.5W/m (1.5W/ft)	14.4W/m (4.4W/ft)	23W/m (4.4W/ft)
1 m	9 m	7.5 m	4.5 m
2 m	8.5 m	7 m	4 m
3 m	8.5 m	7 m	3.5 m
5 m	8 m	6 m	2.5 m
10 m	5.5 m	3.5 m	0

1.5mm <sup>2</sup> (AWG 16)			
1 m	9 m	7.5 m	4.5 m
2 m	9 m	7.5 m	4.5 m
3 m	9 m	7.5 m	4.5 m
5 m	8.5 m	7 m	4 m
10 m	8 m	6.5 m	3.5 m