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Madrid



M A D E I N I T A L Y



Madrid is a versatile lighting system that can be easily assembled, offering a wide range of configurations to suit any interior, from retail spaces and cultural venues to reception and hospitality facilities.

Madrid is a linear LED luminaire that stands out for the quality of its materials, cutting-edge technology, and high efficiency.

The result is an incredibly high-performance lighting output, capable of delivering high colour rendering for workers' eye safety, ensuring great visual well-being.

Madrid, which can be mounted onto ceilings, recessed or as a pendant, adapts to all kinds of functional and design requirements.



OFFICES

SHOPPING

ART AND
CULTURE

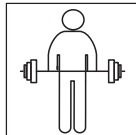
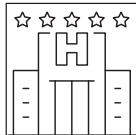
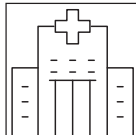
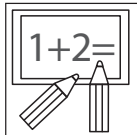
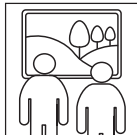
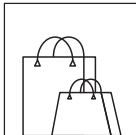
SCHOOLS

OPEN
SPACES

HEALTHCARE
ENVIRONMENTS

HOTEL

FITNESS



GENERAL CHARACTERISTICS

Housing: extruded aluminium complete with end caps.

Diffuser: opal polycarbonate.

Coating: polyester resin-based powder coating, UV stabilised.

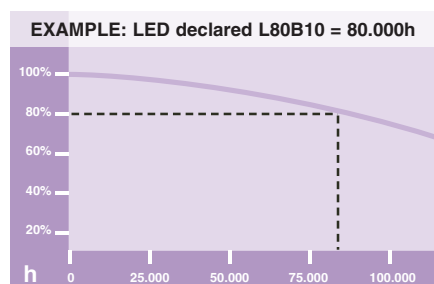
Equipment:

- supplied standard, versions complete with mounting brackets for installation as as pendant lamps (acc. 2518-2522 suspensions to be purchased separately) and as ceiling fixtures.
- supplied standard, recessed version comes with springs.

LIFE EXPECTANCY

The decrease of LED flux is defined by the working life and is represented by the L80 mark (see chart), which means that the flux is kept up to 80%. The "B" letter followed by a number ranging between 10 and 50 indicates the quality of the fixture and defines the LED percentage that keeps the declared characteristics when it reaches 80,000 working hours.

LED: power factor ≥ 0.92 .
Luminous flux maintenance 80%:
80.000h (L80B10).



PHOTOBIOLOGICAL SAFETY

We often read about photobiological safety in lighting design. This very important factor is determined by the amount of radiations emitted by all the sources with a wave length ranging between 200 nm and 3000 nm. Excessive radiation exposure can be harmful for human health. The EN62471 standard classifies light sources into risk groups.

RG0 Risk Group 0: luminaires are exempt from photobiological risks in compliance with standard EN 62471.



LOW FLICKER

Flicker is a common issue with LED lamps. It can occur at frequencies below 60 Hz and depends on several factors, such as the ripple emitted by drivers.

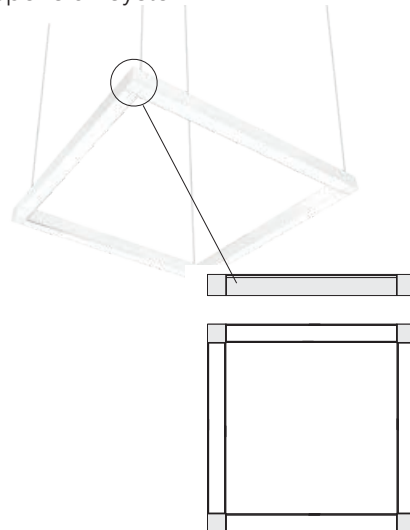


Product with a very low flicker; uniform light for greater eye protection.

The **UGR** is an international unified measure developed by the CIE to assess the direct glare generated by a lighting system. The European standard regulating the lighting of indoor work places (**UNI-EN 12464-1**) recommends a specific UGR value for different applications ranging between **10** and **30**; **the lower the UGR value, the lower the glare**. The exact value of this index differs by project type because it depends on the position of the luminaires, room characteristics and on the point of observation of viewers.

UPON REQUEST:

the corner module accessory allows for the joining and corner installation of the Madrid ceiling/suspension system.



EM Emergency wiring **CLD E** with **sub-code -07**.



-0050 Emergency wiring with centralized power supply **CLD EC** with **sub-code -0050**.



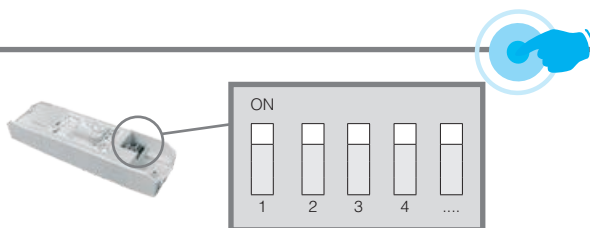
DIMM **CLD D-D (DALI)** wiring with **DIG** **sub-code -0041**.



Version with pass-through wiring for continuous line modules with **sub-code -0072**: supplied without diffuser, which should be purchased separately with acc. 6076, ideal for continuous and uninterrupted **"ALL LIGHT"** lines.



Black colour version



DIP SWITCH SETTING: the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

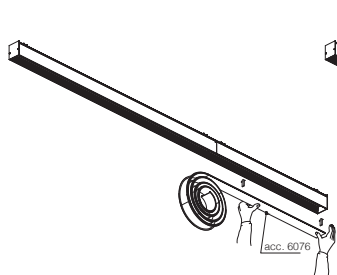
The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

**ADAPT THE CURRENT TO
ACHIEVE
OPTIMAL LUMINOUS FLUX**

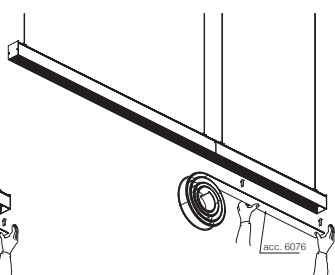




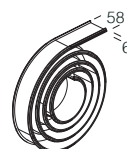
“ALL LIGHT” version with lengths on request and pass-through wiring with subcode **-0072** to be completed with acc. 6076 opal diffuser.



CEILING VERSION



SUSPENSION VERSION

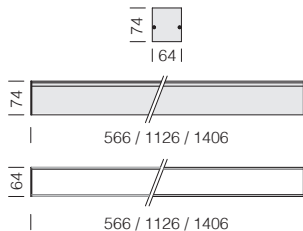


acc. 6076 opal diffuser

L = 30m	132916-00
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Opal polycarbonate roll must always be used on Madrid for continuous and uninterrupted “all light” lines. Upon request, UGR<19 prismatic roll is available.

IP40IK07



L80
B10
80.000h

RG0

U.V.

EM
S.A.

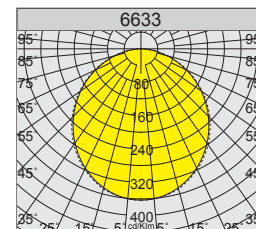
-0050
EM-EC

DIMM
DIG

LOW
FLICKER

6633 Madrid - suspension/ceiling direct light - with opal diffuser

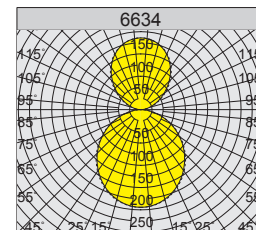
LED	housing	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code		K - ølm - CRI	
LED	white	566	0,90	133090-00	13	4000K - 1488lm - CRI>80	
		1126	1,80	133091-00	26	4000K - 2977lm - CRI>80	
		1406	2,20	133092-00	34	4000K - 3756lm - CRI>80	



6634 Madrid - suspension - direct/indirect light - with opal diffuser

LED	housing	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code		K - ølm - CRI	
LED	white	566	1,20	133095-00	21	4000K - 2528lm - CRI>80	
		1126	2,30	133096-00	41	4000K - 4927lm - CRI>80	
		1406	2,90	133097-00	57	4000K - 6746lm - CRI>80	

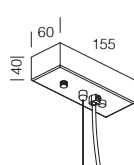
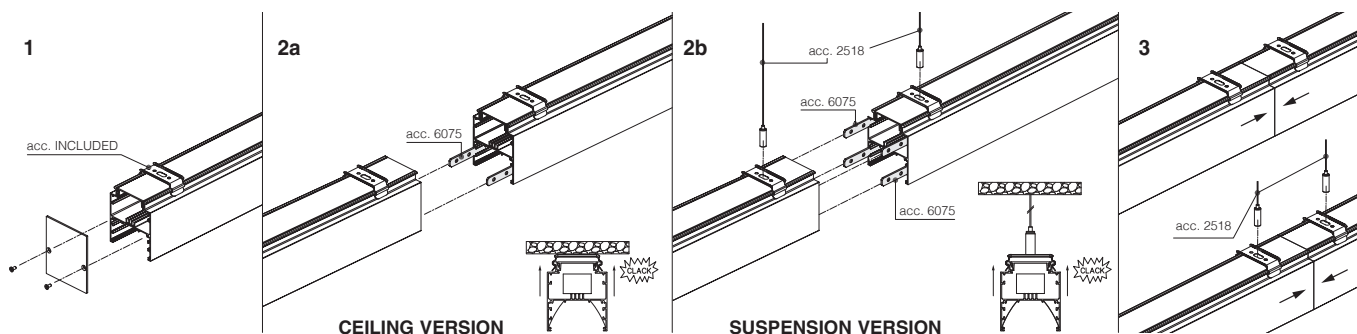
Supplied standard with separate switching function.



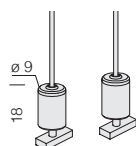
CONTINUOUS LINE INSTALLATION AND ACCESSORIES

Installation sequence:

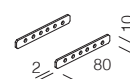
- 1) Unscrew the locking screws and remove the end cap.
- 2) Insert acc. 6075 junction bracket to be purchased separately (purchase **nr.2** acc. 6075 for suspension version)
- 3) Pair the luminaires until they are aligned, then tighten the locking screws.



acc. 2522
electrified suspension
white 994028-00
Supplied with steel wire (L = 100cm) and millimetre adjustment device and power cord. Max loading: 20Kg.



acc. 2518
simple suspension
galvanized 994019-00
Supplied with steel wire (L=1,50m) and millimetre adjustment device (2pcs).



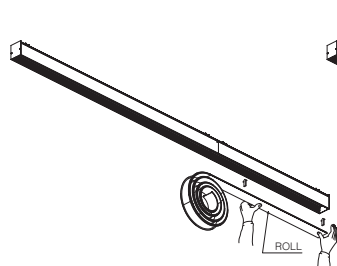
acc. 6075
junction brackets
132915-00
Utilize for the suspension/ceiling installation in continuous line of Madrid.



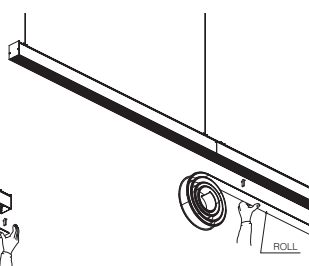
Madrid "INFINITY" with pass-through wiring with subcode **-0072** to be completed with acc. opal diffuser Roll.

Roll order example

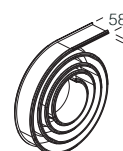
Madrid "INFINITY"	Roll
L = 2242mm (x 13 pcs)	L = 30m
L = 2802mm (x 10 pcs)	L = 30m



CEILING VERSION



SUSPENSION VERSION

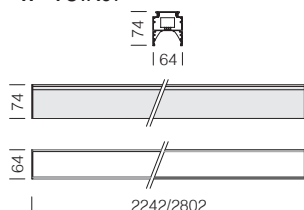


acc. 6076 opal diffuser

L = 30m | 132916-00

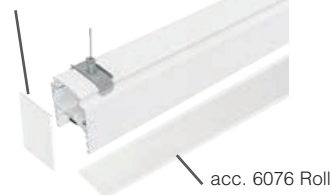
Opal polycarbonate roll must always be used on Madrid "INFINITY" for continuous and uninterrupted "all light" lines. Upon request, UGR<19 prismatic roll is available.

*IP40IK07



* if complete with roll diffuser

To be completed with acc 6072 end cap



L80
B10
80.000h

RG0

U.V.

EM
S.A.

-0050
EM-EC

DIMM
DIG

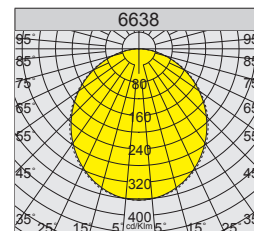
LOW
FLICKER

6638 Madrid "INFINITY" - suspension/ceiling - to be completed with roll diffuser

LED	colour	L (mm)	weight	CLD		W tot	**LUMEN OUTPUT (tq= 25 °C)
				code			K - ølm - CRI
LED	white	2242	3,50	133074-0072		36	4000K - 4288lm - CRI>80
				133074-3972			3000K - 4074lm - CRI>80
LED	white	2802	4,50	133075-0072		45	4000K - 5360lm - CRI>80
				133075-3972			3000K - 5092lm - CRI>80

"INFINITY" light module that enables continuous and uninterrupted light lines. To be completed with:

- opal polycarbonate film roll (upon request, UGR<19 roll is available)
- end cap
- brackets for continuous light line
- suspensions for suspended installation

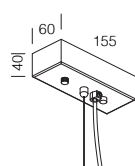
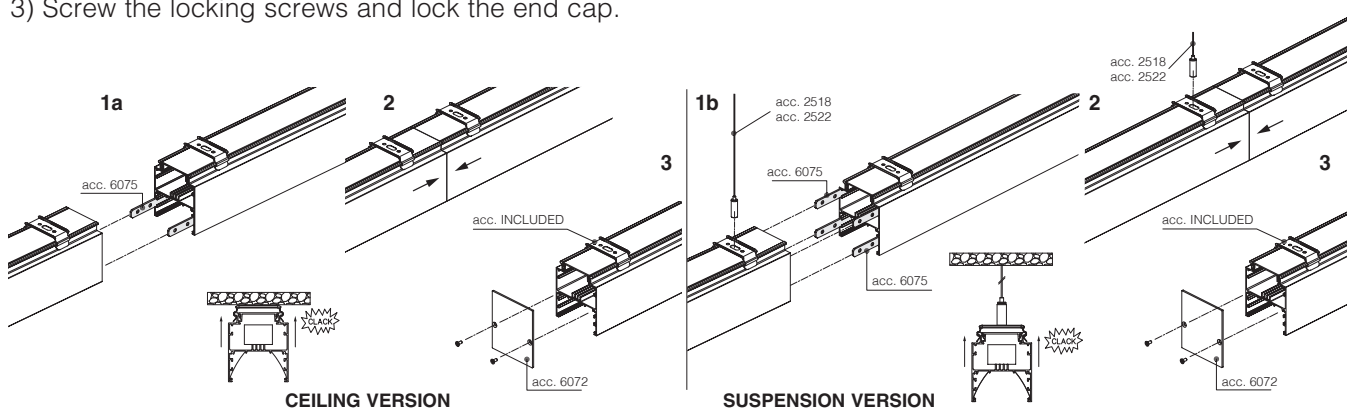


**Lumen output with opal roll diffuser

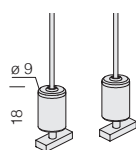
CONTINUOUS LINE INSTALLATION AND ACCESSORIES

Installation sequence:

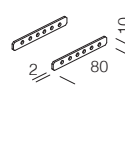
- 1) Insert acc. junction bracket to be purchased separately (purchase **nr.2** acc. junction bracket for *suspension* version)
- 2) Pair the luminaires until they are aligned, then tighten the locking screws.
- 3) Screw the locking screws and lock the end cap.



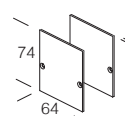
acc. 2522 electrified suspension		
3P	white	994028-00
5P		998047-00
Supplied with steel wire (L = 100cm) and millimetre adjustment device and power cord. Max loading: 20Kg.		



acc. 2518 simple suspension	
galvanized	994019-00
Supplied with steel wire (L=1,50m) and millimetre adjustment device (2pcs).	



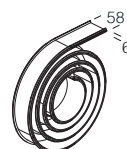
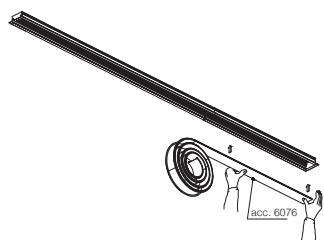
acc. 6075 junction brackets	
	132915-00
Utilize for the suspension/ceiling installation in continuous line of Sintesi.	



acc. 6072 end cap	
white	132912-00
To be used to close the two terminal ends. 2pcs	



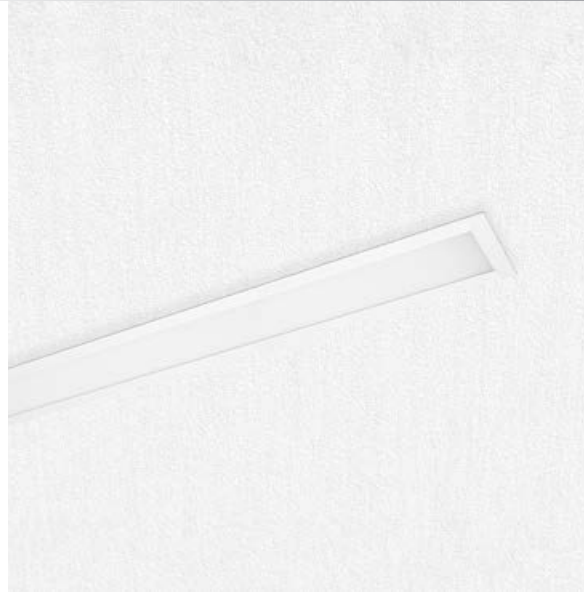
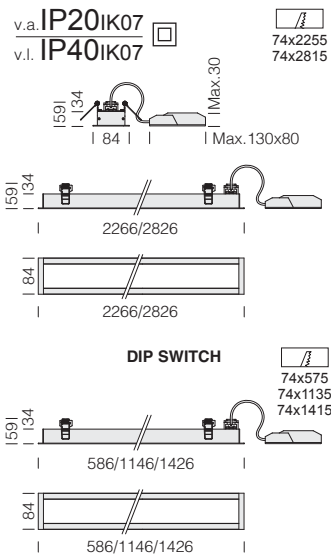
“ALL LIGHT” version with lengths on request and pass-through wiring with subcode **-0072** to be completed with acc. 6076 opal diffuser.



acc. 6076 opal diffuser

L = 30m	132916-00
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Opal polycarbonate roll must always be used on Madrid E for continuous and uninterrupted “all light” lines. Upon request, UGR<19 prismatic roll is available.



L80
B10
80,000h

RG0

U.V.

EM
S.A.

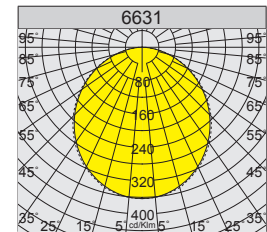
-0050
EM-EC

DIMM
DIG

LOW
FLICKER

6631 Madrid E - recessed - with opal diffuser

LED	housing	CLD			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	2266	2,00	133084-00	40	4000K - 4753lm - CRI>80
		2826	2,20	133085-00	52	4000K - 5943lm - CRI>80



6631 Madrid E - DIP SWITCH - recessed - with opal diffuser

LED	housing	CLD			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	I out W tot	K - ølm - CRI
LED	white	586	0,50	133080-00	350 13	4000K - 1488lm - CRI>80

LED	white	1146	0,90	133081-00	700 26	4000K - 2977lm - CRI>80
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LED	white	1426	1,10	133082-00	900 34	4000K - 3765lm - CRI>80
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DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
250	9	4000K - 1044lm - CRI>80	
300	11	4000K - 1260lm - CRI>80	
350	13	4000K - 1488lm - CRI>80	
400	15	4000K - 1710lm - CRI>80	

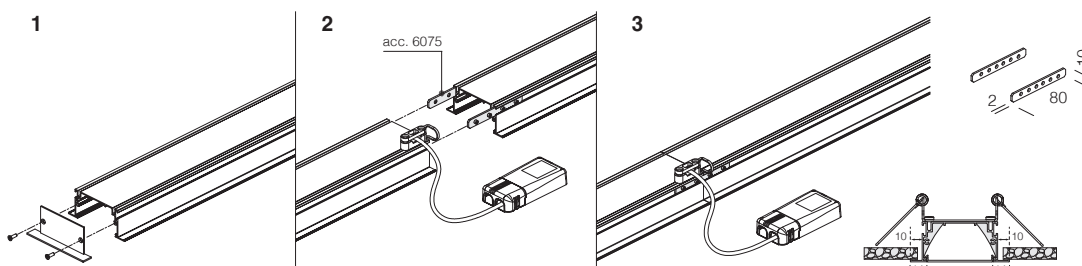
LUMEN OUTPUT (tq= 25 °C)		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
700	26	4000K - 2977lm - CRI>80	
750	28	4000K - 3192lm - CRI>80	
800	30	4000K - 3390lm - CRI>80	
850	32	4000K - 3584lm - CRI>80	

LUMEN OUTPUT (tq= 25 °C)		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
900	34	4000K - 3765lm - CRI>80	
950	36	4000K - 3960lm - CRI>80	
1000	38	4000K - 4142lm - CRI>80	
1050	40	4000K - 4320lm - CRI>80	

CONTINUOUS LINE INSTALLATION AND ACCESSORIES

Installation sequence:

- 1) Unscrew the locking screws and remove the end cap.
- 2) Insert acc. 6075 junction bracket to be purchased separately.
- 3) Pair the luminaires until they are aligned, then tighten the locking screws.



acc. 6075
junction brackets
132915-00

Utilize for the recessed installation in continuous line of Madrid E.



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