



**disano**   
illuminazione  
[www.disano.it](http://www.disano.it)



**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.

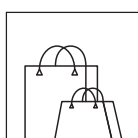
**Madrid**, which can be mounted onto ceilings, recessed or as a pendant, adapts to all kinds of functional and design requirements.



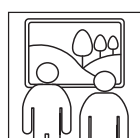
OFFICES



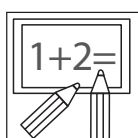
SHOPPING



ART AND  
CULTURE



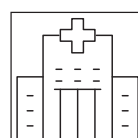
SCHOOLS



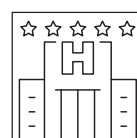
OPEN  
SPACES



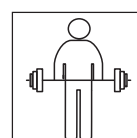
HEALTHCARE  
ENVIRONMENTS



HOTEL



FITNESS



## GENERAL CHARACTERISTICS

**Housing:** extruded aluminium complete with end caps.

**Diffuser:** opal polycarbonate.

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

### Equipment:

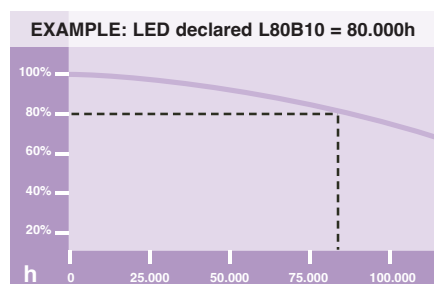
- supplied standard, versions complete with mounting brackets for installation as as pendant lamps (acc. 2518-2522 suspensions to be purchased separately) and as ceiling fixtures.

- 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  $\geq 0.92$ .  
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.

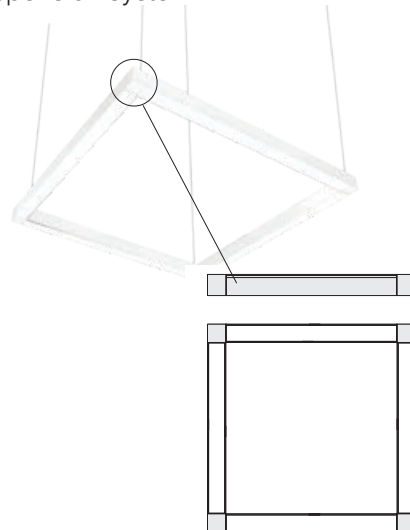


Product with a very low flicker; uniform light for greater eye protection.

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**.



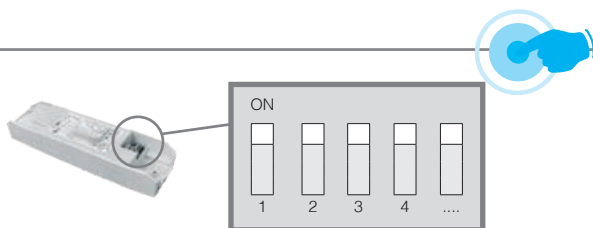
**DIMM** **CLD D-D (DALI)** wiring with **sub-code -0041**.



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.

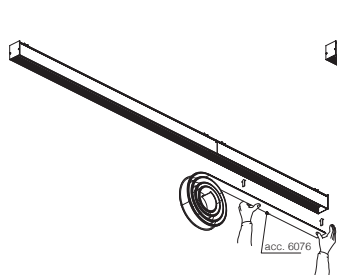




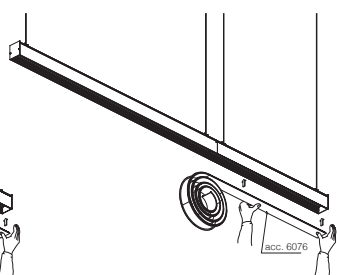




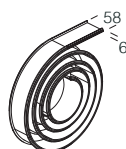
“**ALL LIGHT**” version with lengths on request and pass-through wiring with subcode **-0072** to be completed with acc. 6076 opal diffuser.



**CEILING VERSION**



**SUSPENSION VERSION**



**acc. 6076 opal diffuser**

|         |           |
|---------|-----------|
| L = 30m | 132916-00 |
|---------|-----------|

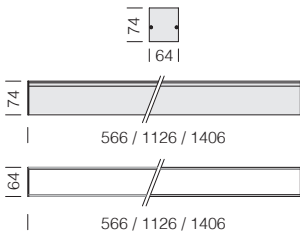
Opal polycarbonate roll must always be used on Madrid for continuous and uninterrupted “all light” lines.  
Upon request, UGR<19 prismatic roll is available.

**acc. 6076 UGR<19 prismatic diffuser**

|         |                 |
|---------|-----------------|
| L = 30m | 132916-00002264 |
|---------|-----------------|

UGR<19 prismatic polycarbonate roll must always be used on Madrid for continuous and uninterrupted “all light” lines.

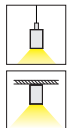
IP40IK07



L80  
B10  
80.000h

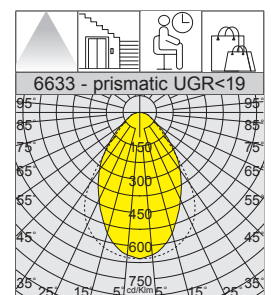
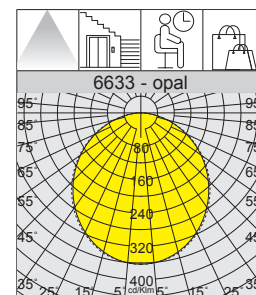


## 6633 Madrid - suspension/ceiling - direct light - opal diffuser

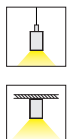


|     |         | CLD            |        |             |       | LUMEN OUTPUT (tq= 25 °C) |  |
|-----|---------|----------------|--------|-------------|-------|--------------------------|--|
| LED | housing | L (mm)         | weight | code        | W tot | K - ølm - CRI            |  |
| LED | white   | 566            | 1.10   | 133090-00   | 13    | 4000K - 1488lm - CRI>80  |  |
|     |         | 1126           | 2.00   | 133091-00   | 26    | 4000K - 2977lm - CRI>80  |  |
|     |         | 1406           | 2.70   | 133092-00   | 34    | 4000K - 3756lm - CRI>80  |  |
|     |         | CLD D-D (DALI) |        |             |       | LUMEN OUTPUT (tq= 25 °C) |  |
| LED | white   | 566            | 1.10   | 133090-0041 | 13    | 4000K - 1488lm - CRI>80  |  |
|     |         | 1126           | 2.00   | 133091-0041 | 26    | 4000K - 2977lm - CRI>80  |  |
|     |         | 1406           | 2.70   | 133092-0041 | 34    | 4000K - 3756lm - CRI>80  |  |

Version equipped with opal polycarbonate diffuser ideal for installations in common areas or general room such as homes, hotels, sleeping rooms...



## 6633 Madrid - DIP SWITCH suspension/ceiling - direct light - prismatic diffuser UGR<19



| CLD |         |        |        |           |       |       | LUMEN OUTPUT (tq= 25 °C) |        |
|-----|---------|--------|--------|-----------|-------|-------|--------------------------|--------|
| LED | housing | L (mm) | weight | code      | I out | W tot | K - ølm - CRI            |        |
| LED | white   | 1126   | 2.00   | 133093-00 | 700   | 26    | 4000K - 3064lm           | CRI>80 |
| LED | white   | 1406   | 2.70   | 133094-00 | 900   | 34    | 4000K - 3866lm           | CRI>80 |

Version equipped with UGR<19 prismatic polycarbonate diffuser ideal for installations in schools or offices with VDU terminals

| DIP SWITCH SETTING |       |  | LUMEN OUTPUT (tq= 25 °C) |        |
|--------------------|-------|--|--------------------------|--------|
| I out              | W tot |  | K - ølm - CRI            |        |
| 300                | *11   |  | 4000K - 1386lm           | CRI>80 |
| 500                | *17   |  | 4000K - 2090lm           | CRI>80 |
| 700                | 26    |  | 4000K - 3064lm           | CRI>80 |



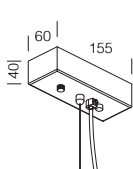
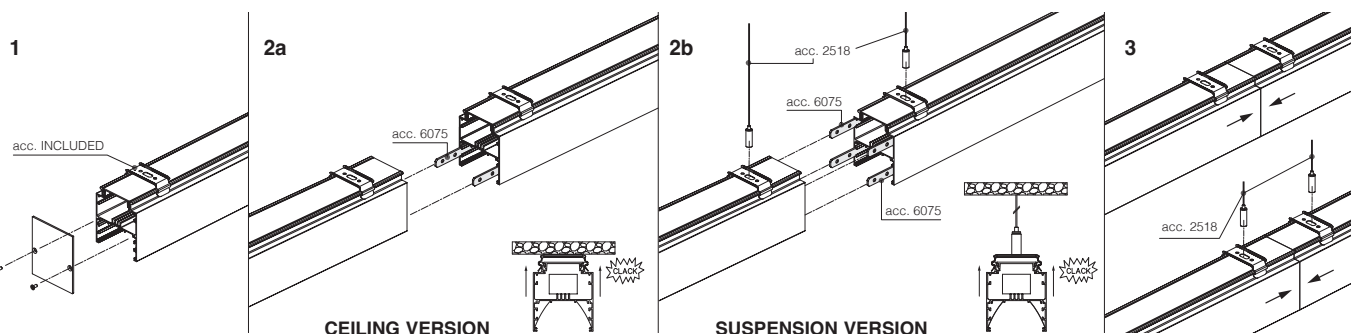
|       |       |  | LUMEN OUTPUT (tq= 25 °C) |        |
|-------|-------|--|--------------------------|--------|
| I out | W tot |  | K - ølm - CRI            |        |
| 400   | *15   |  | 4000K - 1748lm           | CRI>80 |
| 600   | 20    |  | 4000K - 2340lm           | CRI>80 |
| 900   | 34    |  | 4000K - 3866lm           | CRI>80 |



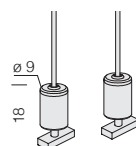
## CONTINUOUS LINE INSTALLATION AND ACCESSORIES

### Installation sequence:

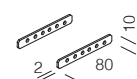
- 1) Unscrew the locking screws and remove the end cap.
- 2) Insert acc. 6075 junction bracket to be purchased separately (purchase **nr.2** acc. 6075 for suspension version)
- 3) Pair the luminaires until they are aligned, then tighten the locking screws.



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



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

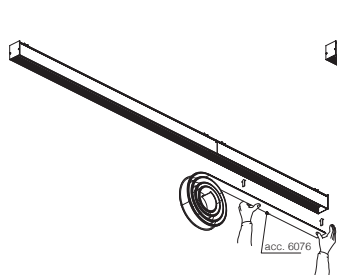


| acc. 6075<br>junction brackets  |           |
|---|-----------|
|   | 132915-00 |
| Utilize for the suspension/ceiling installation in continuous line of Madrid. |           |

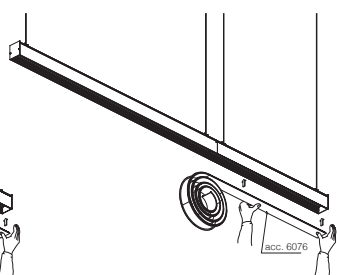




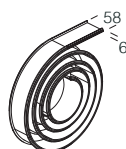
**"ALL LIGHT"** version with lengths on request and pass-through wiring with subcode **-0072** to be completed with acc. 6076 opal diffuser.



**CEILING VERSION**



**SUSPENSION VERSION**



**acc. 6076 opal diffuser**

|         |           |
|---------|-----------|
| L = 30m | 132916-00 |
|---------|-----------|

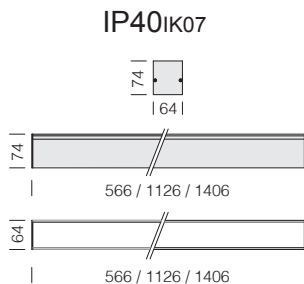
Opal polycarbonate roll must always be used on Madrid for continuous and uninterrupted "all light" lines.  
Upon request, UGR<19 prismatic roll is available.

**acc. 6076 UGR<19 prismatic diffuser**

|         |                 |
|---------|-----------------|
| L = 30m | 132916-00002264 |
|---------|-----------------|

UGR<19 prismatic polycarbonate roll must always be used on Madrid for continuous and uninterrupted "all light" lines.





L80  
B10  
80.000h

RG0

U.V.

EM  
S.A.

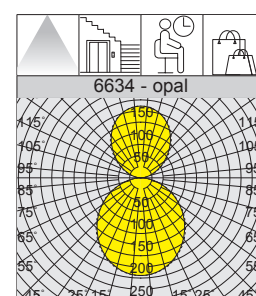
-0050  
EM-EC

LOW  
FLICKER

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

|     |        | CLD            |        |        |      | LUMEN USCENTI (tq= 25 °C) |                            |
|-----|--------|----------------|--------|--------|------|---------------------------|----------------------------|
|     |        | LED            | corpo  | L (mm) | peso | codice                    | W tot K - ølm - CRI        |
| LED | bianco |                |        | 566    | 1.10 | 133095-00                 | 21 4000K - 2528lm - CRI>80 |
|     |        |                |        | 1126   | 2.00 | 133096-00                 | 41 4000K - 4927lm - CRI>80 |
|     |        |                |        | 1406   | 2.70 | 133097-00                 | 57 4000K - 6746lm - CRI>80 |
|     |        | CLD D-D (DALI) |        |        |      | LUMEN USCENTI (tq= 25 °C) |                            |
|     |        | LED            | bianco | L (mm) | peso | codice                    | W tot K - ølm - CRI        |
| LED | bianco |                |        | 566    | 1.10 | 133095-0041               | 21 4000K - 2528lm - CRI>80 |
|     |        |                |        | 1126   | 2.00 | 133096-0041               | 41 4000K - 4927lm - CRI>80 |
|     |        |                |        | 1406   | 2.70 | 133097-0041               | 57 4000K - 6746lm - CRI>80 |

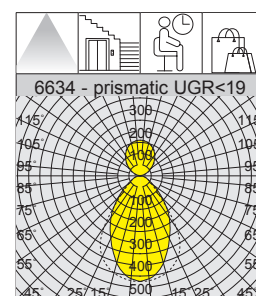
Supplied standard with separate switching function. Version equipped with opal polycarbonate diffuser ideal for installations in common areas or general room such as homes, hotels, sleeping rooms...



## 6634 Madrid - suspension - direct/in direct/light - prismatic diffuser UGR<19

|     |        | CLD            |        |        |      | LUMEN USCENTI (tq= 25 °C) |                            |
|-----|--------|----------------|--------|--------|------|---------------------------|----------------------------|
|     |        | LED            | corpo  | L (mm) | peso | codice                    | W tot K - ølm - CRI        |
| LED | bianco |                |        | 1126   | 2.00 | 133078-00                 | 41 4000K - 5014lm - CRI>80 |
|     |        |                |        | 1406   | 2.70 | 133079-00                 | 57 4000K - 6856lm - CRI>80 |
|     |        |                |        |        |      |                           |                            |
|     |        | CLD D-D (DALI) |        |        |      | LUMEN USCENTI (tq= 25 °C) |                            |
|     |        | LED            | bianco | L (mm) | peso | codice                    | W tot K - ølm - CRI        |
| LED | bianco |                |        | 1126   | 2.00 | 133078-0041               | 41 4000K - 5014lm - CRI>80 |
|     |        |                |        | 1406   | 2.70 | 133079-0041               | 57 4000K - 6856lm - CRI>80 |
|     |        |                |        |        |      |                           |                            |

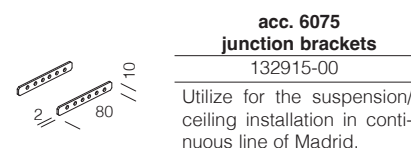
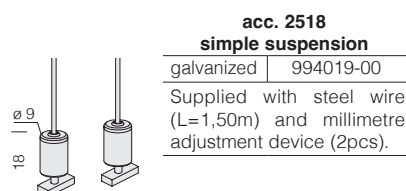
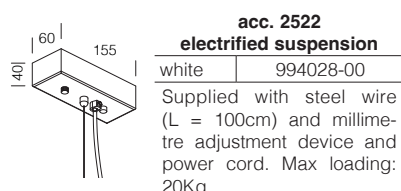
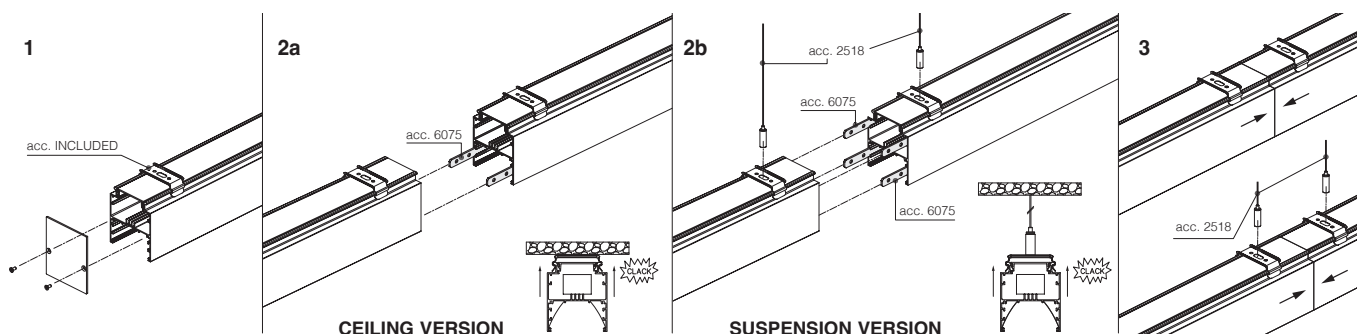
Supplied standard with separate switching function. Version equipped with UGR<19 prismatic polycarbonate diffuser ideal for installations in schools or offices with VDU terminals



## CONTINUOUS LINE INSTALLATION AND ACCESSORIES

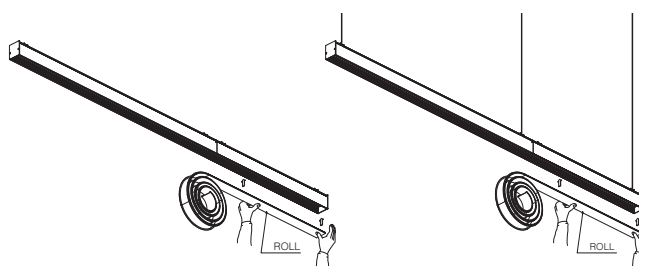
### Installation sequence:

- 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.



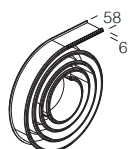


Madrid "INFINITY" with pass-through wiring with subcode **-0072** to be completed with acc. opal diffuser Roll.



**CEILING VERSION**

**SUSPENSION VERSION**



**acc. 6076 opal diffuser**

L = 30m | 132916-00

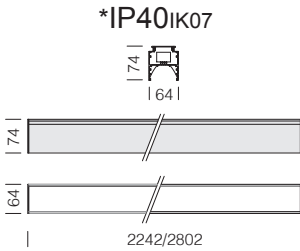
Opal polycarbonate roll must always be used on Madrid for continuous and uninterrupted "all light" lines. Upon request, UGR<19 prismatic roll is available.

**acc. 6076 UGR<19 prismatic diffuser**

L = 30m | 132916-00002264

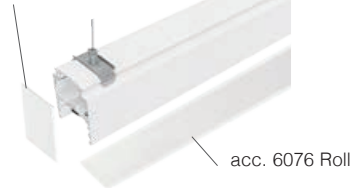
UGR<19 prismatic polycarbonate roll must always be used on Madrid for continuous and uninterrupted "all light" lines.





\* if complete with roll diffuser

To be completed with  
acc 6072 end cap



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

| CLD |        |        |        |             | **LUMEN OUTPUT (tq= 25 °C) |       | K - ølm - CRI  |        |
|-----|--------|--------|--------|-------------|----------------------------|-------|----------------|--------|
| LED | colour | L (mm) | weight | code        | I out                      | W tot |                |        |
| LED | white  | 2242   | 3,50   | 133074-0072 | 1000                       | 36    | 4000K - 4433lm | CRI>80 |
|     |        |        |        | 133074-3972 |                            |       | 3000K - 4211lm | CRI>80 |
| LED | white  | 2802   | 4,50   | 133075-0072 | 1250                       | 45    | 4000K - 5541lm | CRI>80 |
|     |        |        |        | 133075-3972 |                            |       | 3000K - 5264lm | CRI>80 |

\*\*Lumen output with opal roll diffuser

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

- end cap and brackets for continuous light line
- **UGR<19 prismatic polycarbonate roll** diffuser ideal for installations in schools or offices with VDU terminals
- **opal polycarbonate roll** diffuser ideal for installations in common areas or general room such as homes, hotels, sleeping rooms...

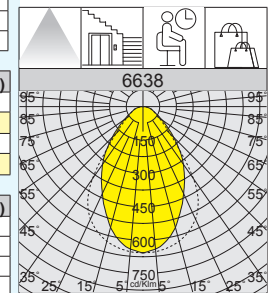
| DIP SWITCH SETTING |       |                |        | LUMEN OUTPUT (tq= 25 °C) |     | K - ølm - CRI  |        |
|--------------------|-------|----------------|--------|--------------------------|-----|----------------|--------|
| I out              | W tot |                |        |                          |     |                |        |
| 600                | *22   | 4000K - 2800lm | CRI>80 | 600                      | *22 | 3000K - 2620lm | CRI>80 |
| 800                | 29    | 4000K - 3580lm | CRI>80 | 800                      | 29  | 3000K - 3401lm | CRI>80 |
| 1000               | 36    | 4000K - 4433lm | CRI>80 | 1000                     | 36  | 3000K - 4211lm | CRI>80 |

| DIP SWITCH SETTING |       |                |        | LUMEN OUTPUT (tq= 25 °C) |     | K - ølm - CRI  |        |
|--------------------|-------|----------------|--------|--------------------------|-----|----------------|--------|
| I out              | W tot |                |        |                          |     |                |        |
| 800                | *29   | 4000K - 3500lm | CRI>80 | 800                      | *29 | 4000K - 4440lm | CRI>80 |
| 1000               | 36    | 4000K - 4440lm | CRI>80 | 1000                     | 36  | 4000K - 5541lm | CRI>80 |
| 1250               | 45    | 4000K - 5541lm | CRI>80 | 1250                     | 45  | 3000K - 5264lm | CRI>80 |

| DIP SWITCH SETTING |       |                |        | LUMEN OUTPUT (tq= 25 °C) |     | K - ølm - CRI  |        |
|--------------------|-------|----------------|--------|--------------------------|-----|----------------|--------|
| I out              | W tot |                |        |                          |     |                |        |
| 800                | *29   | 3000K - 3325lm | CRI>80 | 800                      | *29 | 3000K - 4218lm | CRI>80 |
| 1000               | 36    | 3000K - 4218lm | CRI>80 | 1000                     | 36  | 3000K - 5264lm | CRI>80 |
| 1250               | 45    | 3000K - 5264lm | CRI>80 | 1250                     | 45  | 3000K - 5264lm | CRI>80 |



L80  
B10  
80.000h

RG0

U.V.

EM  
S.A.

-0050  
EM-EC

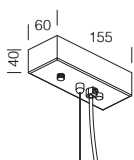
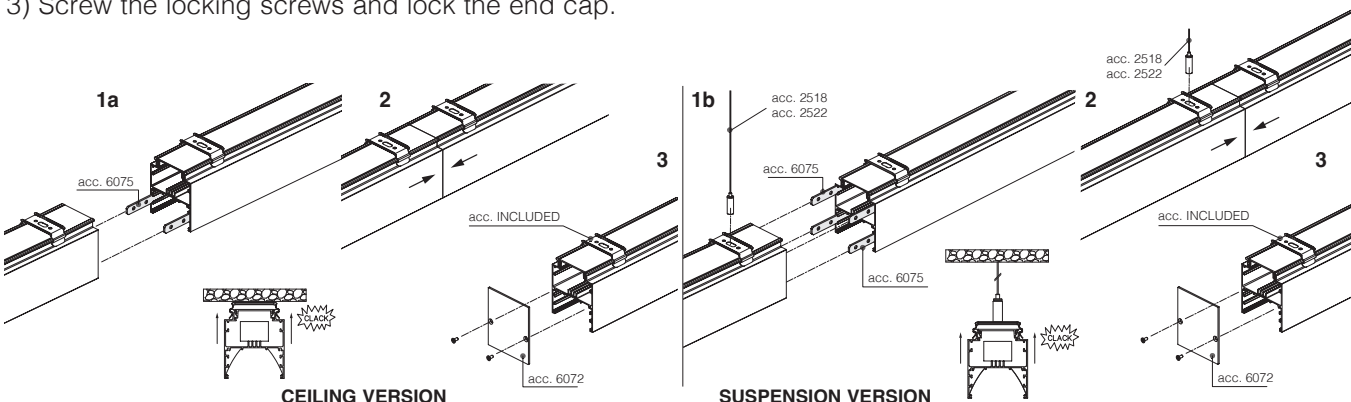
DIMM  
DIG

LOW  
FLICKER

## CONTINUOUS LINE INSTALLATION AND ACCESSORIES

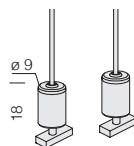
### Installation sequence:

- 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.



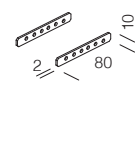
| acc. 2522<br>electrified suspension |       |           |
|-------------------------------------|-------|-----------|
| 3P                                  | white | 994028-00 |
| 5P                                  | white | 998047-00 |

Supplied with steel wire (L = 100cm) and millimetre adjustment device and power cord. Max loading: 20Kg.



| acc. 2518<br>simple suspension |  |           |
|--------------------------------|--|-----------|
| galvanized                     |  | 994019-00 |

Supplied with steel wire (L=1,50m) and millimetre adjustment device (2pcs).



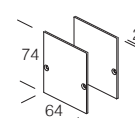
| acc. 6075<br>junction brackets |  |           |
|--------------------------------|--|-----------|
|                                |  | 132915-00 |

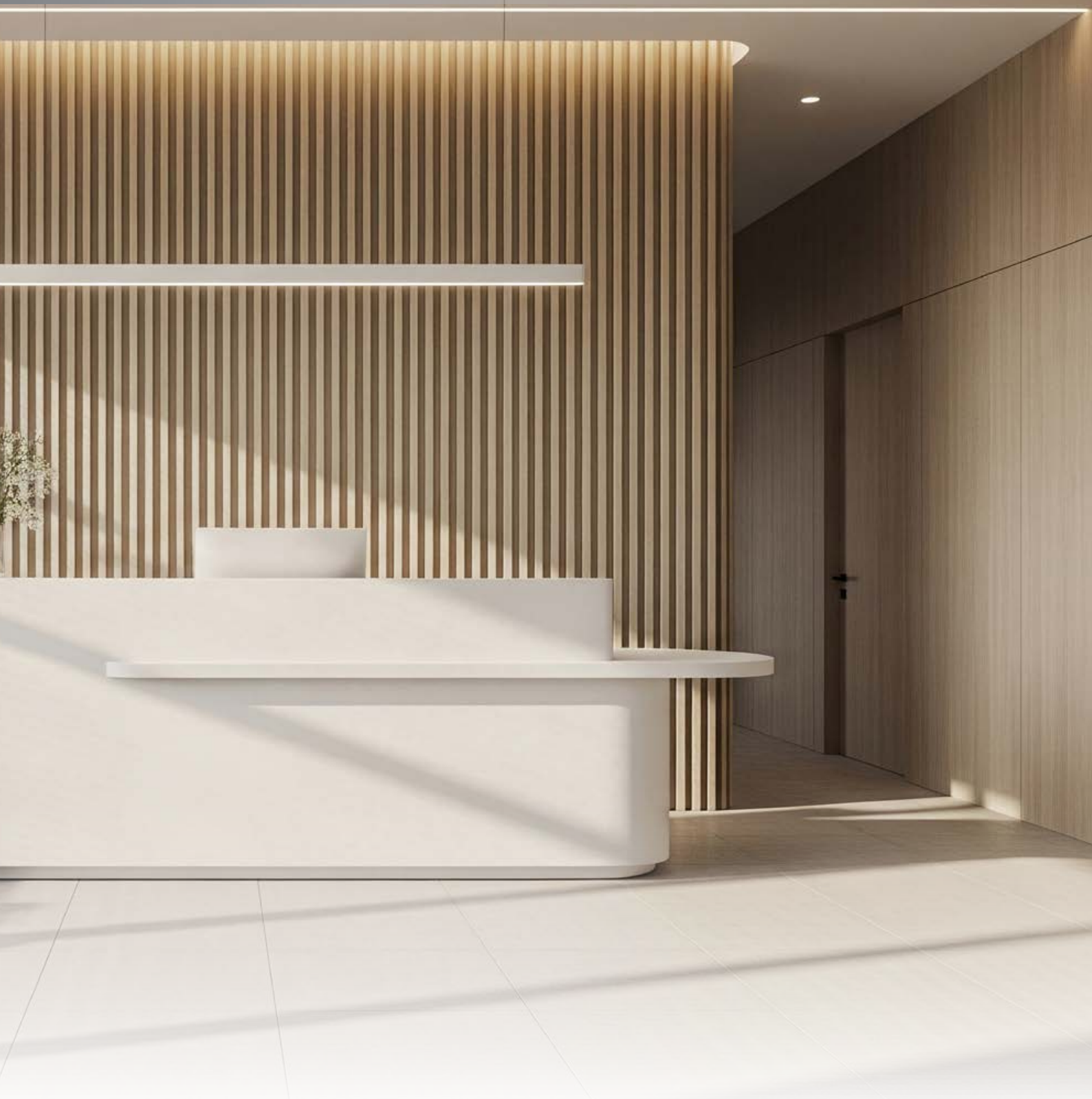
Utilize for the suspension/ceiling installation in continuous line of Sintesi.

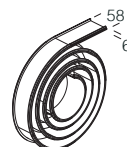
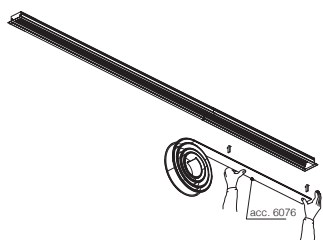
| acc. 6072<br>end cap |  |           |
|----------------------|--|-----------|
| white                |  | 132912-00 |

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.

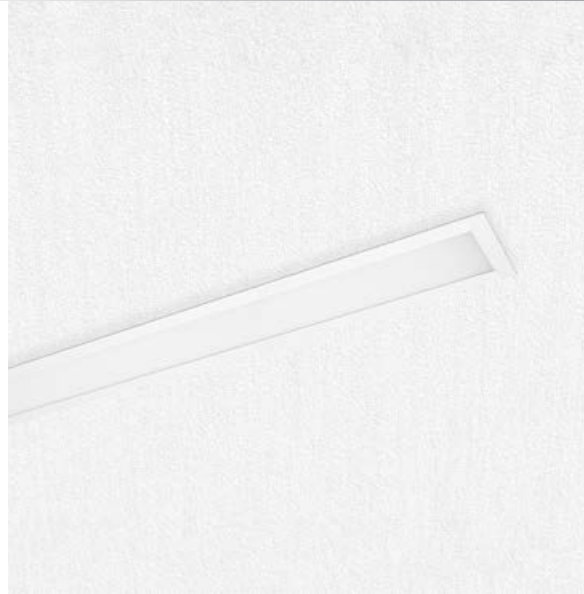
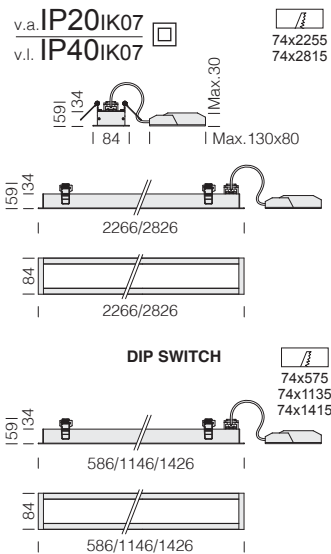


**acc. 6076 opal diffuser**

|         |           |
|---------|-----------|
| L = 30m | 132916-00 |
|---------|-----------|

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

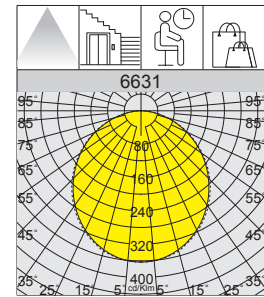
DIMM  
DIG

LOW  
FLICKER

## 6631 Madrid E - recessed - with opal diffuser



|     |         | CLD    |        | LUMEN OUTPUT (tq= 25 °C) |       |
|-----|---------|--------|--------|--------------------------|-------|
| LED | housing | L (mm) | weight | code                     | W tot |
| LED | white   | 2266   | 3.80   | 133084-00                | 40    |
|     |         | 2826   |        | 133085-00                | 52    |



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



|     |         | CLD    |        | LUMEN OUTPUT (tq= 25 °C) |             |
|-----|---------|--------|--------|--------------------------|-------------|
| LED | housing | L (mm) | weight | code                     | I out W tot |
| LED | white   | 586    | 0.80   | 133080-00                | 350 13      |
|     |         | 1146   |        | 133081-00                | 700 26      |
| LED | white   | 1426   | 1.80   | 133082-00                | 900 34      |
|     |         | 1426   |        | 133082-00                | 900 34      |

|       |       | 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) |  |
|-------|-------|--------------------------|--|
| 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  |  |

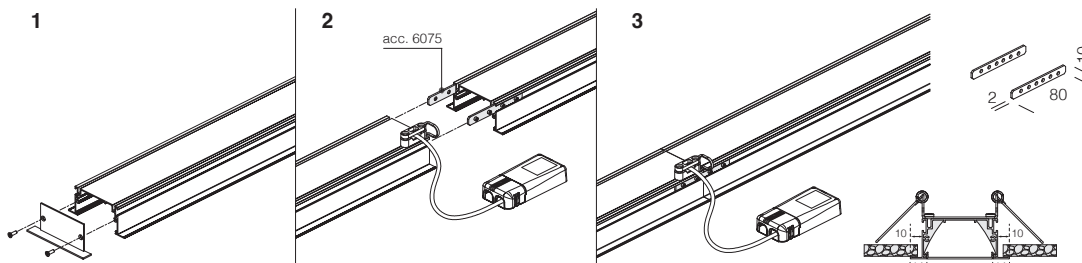
  

|       |       | LUMEN OUTPUT (tq= 25 °C) |  |
|-------|-------|--------------------------|--|
| I out | W tot | K - ølm - CRI            |  |
| 900   | 34    | 4000K - 3765lm - CRI>80  |  |
| 950   | 36    | 4000K - 3960lm - CRI>80  |  |
| 1000  | 38    | 4000K - 4142lm - CRI>80  |  |
| 1050  | 40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



**disano**   
illuminazione

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