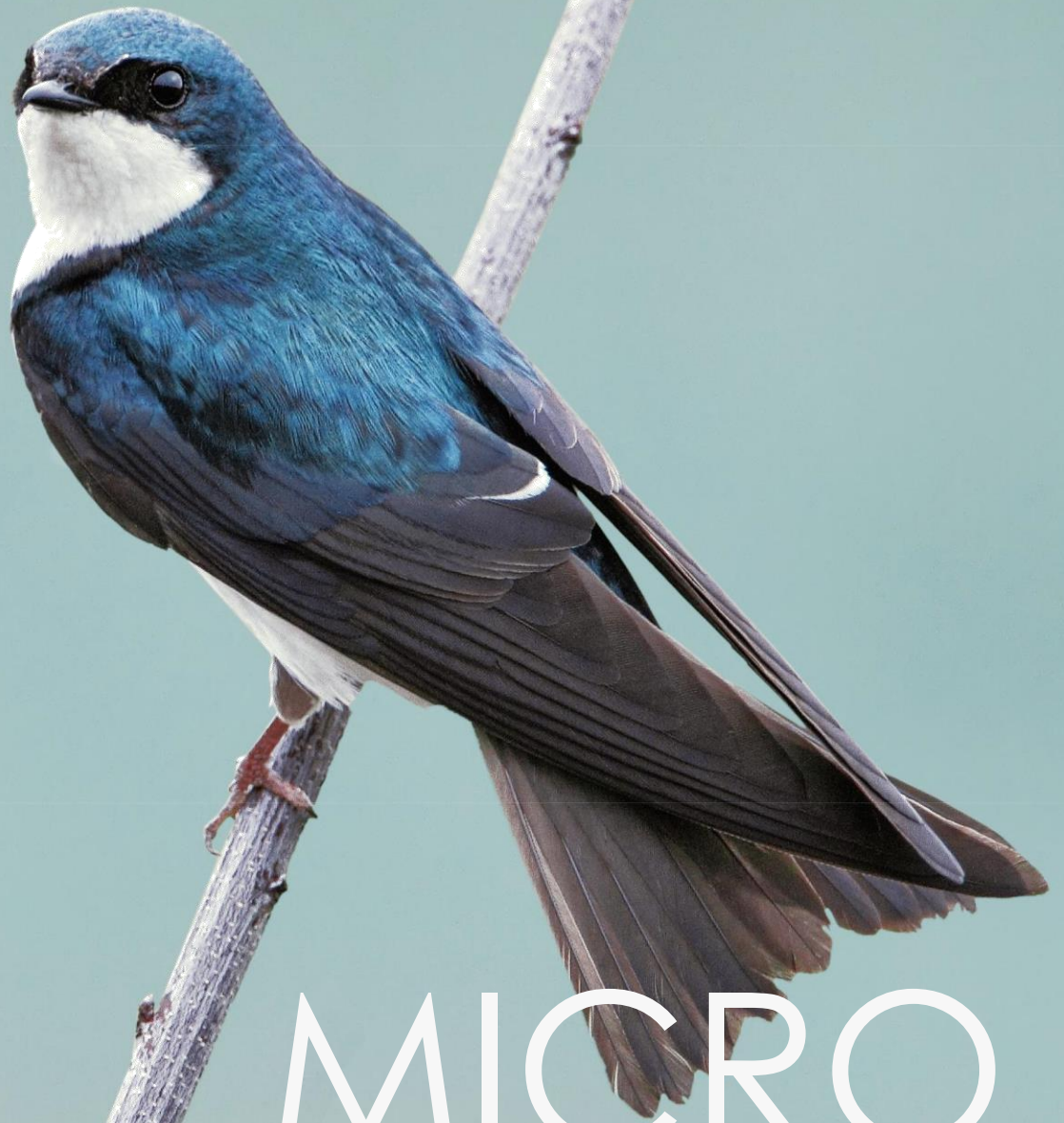


VIZULO



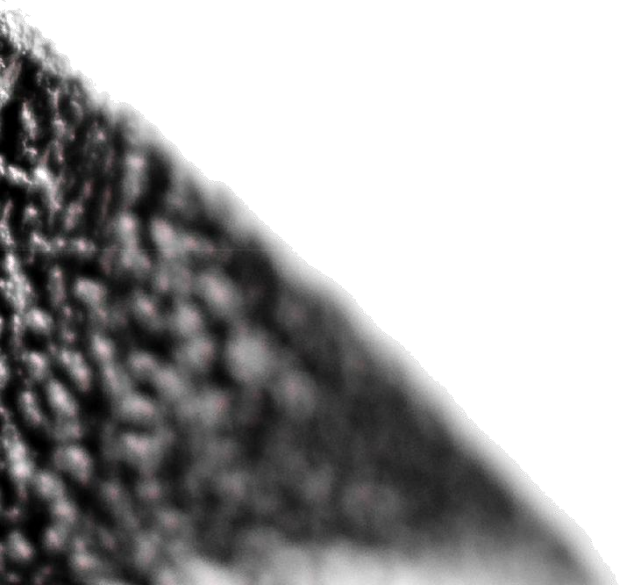
MICRO  
MARTIN



- | **Architectural & Landscape**
- | **Sports Lighting**
- | **Large Outdoor Industrial Area**
- | **Agricultural Area**

- | **Ventilation cable gland**  
Combines pressure equalization and cable gland in a single unit. It ensures high air flow rates as well as high water protection capacity
- | **Glass**  
Flat glass. Glass is fixed to die-cast aluminium frame with screws
- | **LED module**  
High quality LED's with optimal thermal resistance and energy consumption characteristic, for high lumen output and long expected life time. Color temperature available: 2700K, 3000K, 4000K (5000K, 5700K available on customer request)
- | **Intelligent light control system** Power line or radio frequency
- | **Protection**  
IP66 for the complete luminaire

- | **Module temperature control**  
The LED driver will start reducing the light output when the LED's approach critical temperature. The temperature is measured via a sensor placed on the PCB (function available on customer request)
- | **Body**  
Die-cast aluminium
- | **Lighting protection**  
Built-in surge protection starting from 6 kV till 10 kV
- | **Light regulation**  
MICRO MARTIN drivers offer integrated midnight dimming and network-controlled 1-10V and DALI protocols
- | **Impact resistance**  
IK08 (Vandal protected) for the complete luminaire



| **Traffic roads**

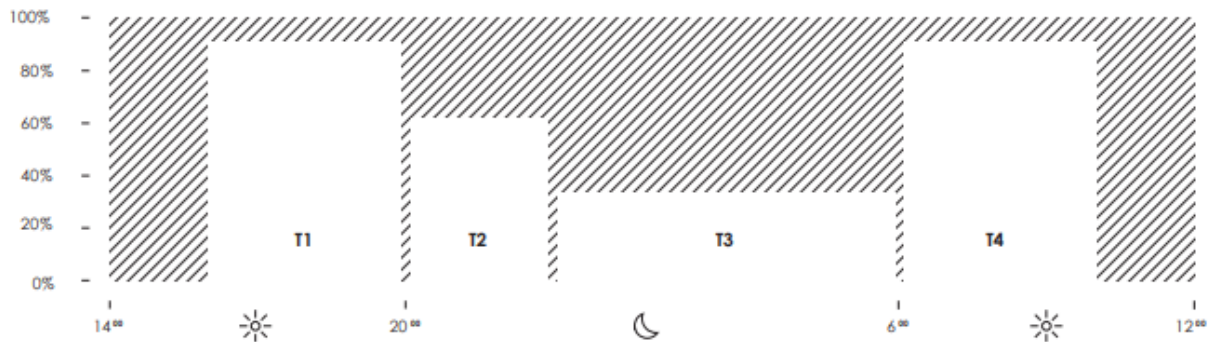
**Pedestrian Roads**

**Residential Street/Area**

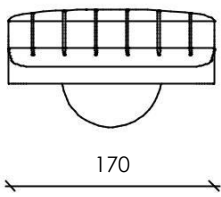
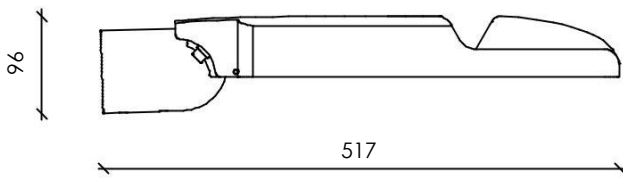
**City Centre**

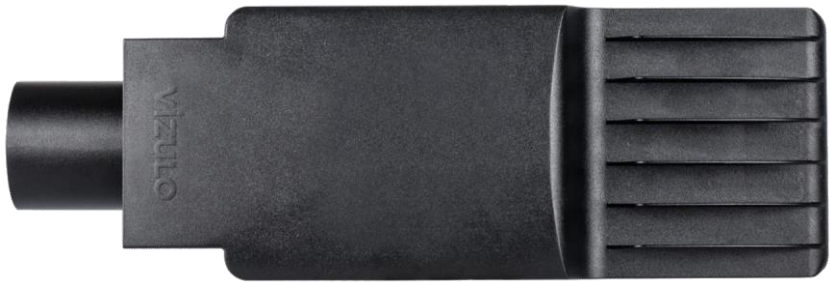
## **Midnight dimming**

Midnight dimming provides multi- stage night- time power reduction based on an internal timer referenced to the power on/off time. There is no need for an external control infrastructure. The unit automatically performs a dimming profile based on the predefined scheduled reference to the midpoint, which is calculated based on the power on / off times.

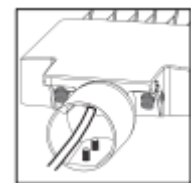
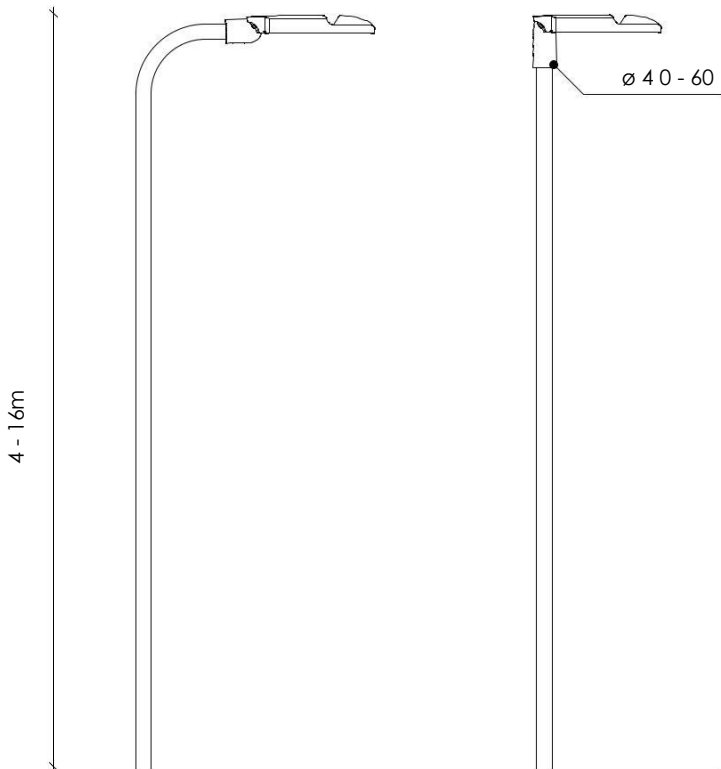


| Withfins

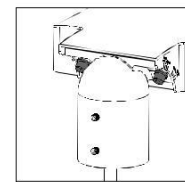




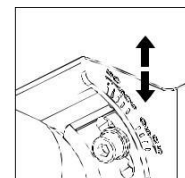
| Console



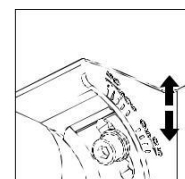
Horizontal entry



Vertical entry



$\leq -15 \dots 5$



$\leq 0 \dots 15$

## | Technical information

### Vizulo Micro Martin 39 w 4000K Optic – V22:

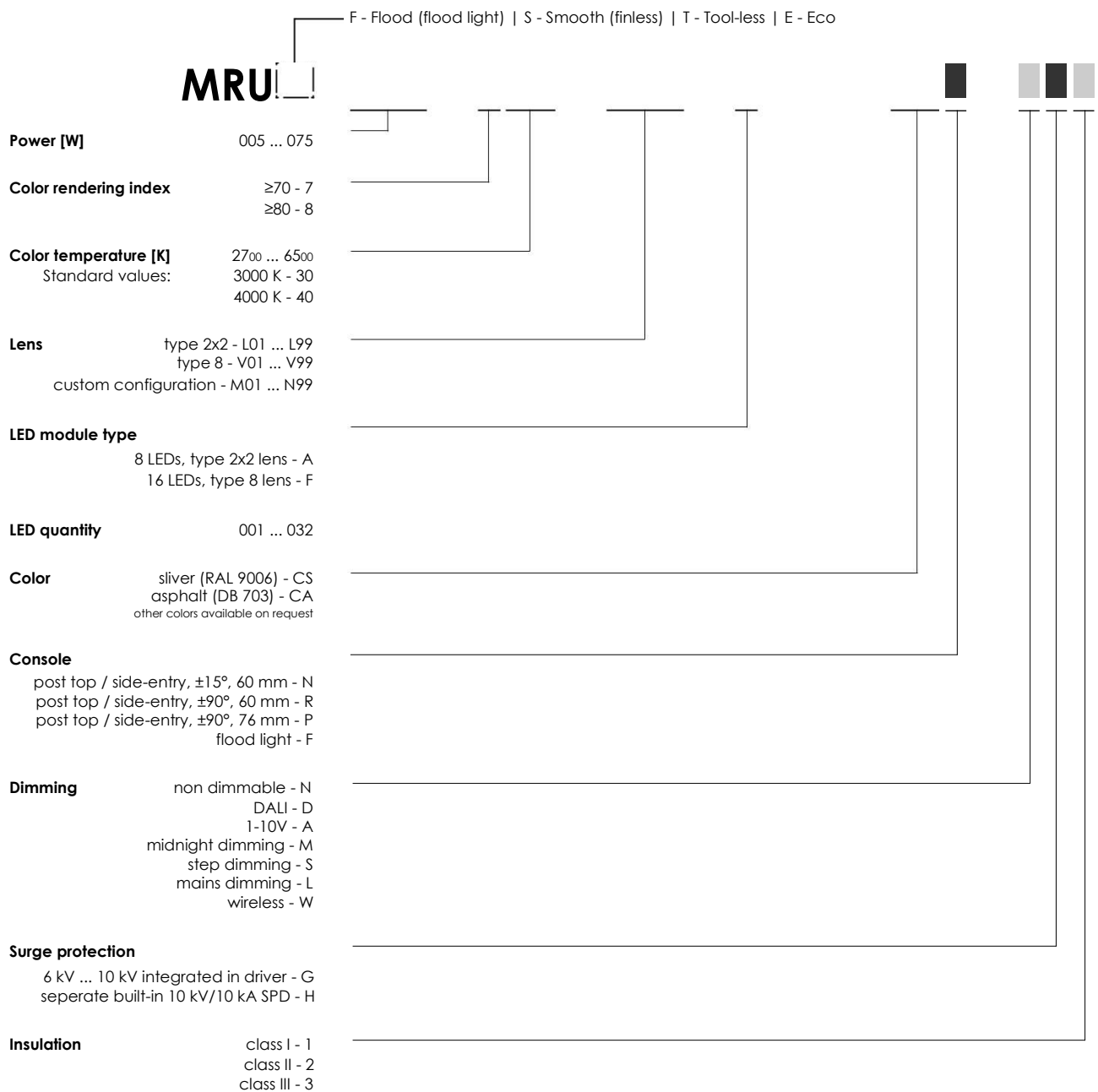
|                                    |   |
|------------------------------------|---|
| <b>Voltage, V</b>                  | 230   |
| <b>Frequency, Hz</b>               | 50  |
| <b>Power, W</b>                    | 39  |
| <b>Luminous flux luminaire, Lm</b> | 4382  |
| <b>Power factor, cos φ</b>         | 0.98  |
| <b>Color temperature, K°</b>       | 2700  |
| <b>Working temperature, C°</b>     | -40°C to +50°C                                      |
| <b>CRI</b>                         | >70   |
| <b>Protection class, IP</b>        | IP66  |
| <b>Impact resistance class</b>     | IK08  |
| <b>Safety class</b>                | I   |
| <b>Body material</b>               | Die-cast aluminium                                  |
| <b>Painting</b>                    | Powder anti corrosion coating                       |
| <b>Color</b>                       | RAL 7038  |
| <b>Surge protection, kV</b>        | 6 kV  |
| <b>Luminaire power supply unit</b> | DALI EN (IEC) 62386-102, automatic control function |
| <b>Console, mm</b>                 | ∅ 40 - 60   |
| <b>Warranty, years</b>             | 5   |
| <b>Weight</b>                      | Not more than 4 kg                                  |
| <b>Service life, h</b>             | 100 000, (L95B10 Ta= 25° C)                         |

**Vizulo Micro Martin 46 w 4000K Optic – V22:**

|   |   |
|---|---|
| <b>Voltage, V</b>                             | 230   |
| <b>Frequency, Hz</b>                          | 50  |
| <b>Power, W</b>                               | 46  |
| <b>Luminous flux luminaire, Lm</b>            | 5589  |
| <b>Power factor, cos <math>\varphi</math></b> | 0.96  |
| <b>Color temperature, K°</b>                  | 4000  |
| <b>Working temperature, C°</b>                | -40°C to +50°C                                      |
| <b>CRI</b>                                    | >70   |
| <b>Protection class, IP</b>                   | IP66  |
| <b>Impact resistance class</b>                | IK08  |
| <b>Safety class</b>                           | I   |
| <b>Body material</b>                          | Die-cast aluminium                                  |
| <b>Painting</b>                               | Powder anti corrosion coating                       |
| <b>Color</b>                                  | RAL 7038  |
| <b>Surge protection, kV</b>                   | 6 kV  |
| <b>Luminaire power supply unit</b>            | DALI EN (IEC) 62386-102, automatic control function |
| <b>Console, mm</b>                            | ø 40 - 60   |
| <b>Warranty, years</b>                        | 5   |
| <b>Weight</b>                                 | Not more than 4 kg                                  |
| <b>Service life, h</b>                        | 100 000, (L95B10 T <sub>a</sub> = 25° C)            |



# | Modelnameprinciples



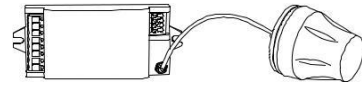
EXAMPLE MRUE 005 730 L99 A001 CSN NG1

## Accessories

### Citintelly Luminaire controller

Luminaire Controller is wireless mesh-networking device that uses 868 MHz for communication with Segment Controller and other Luminaire Controllers. It is delivered in various configurations to meet the needs of your applications.

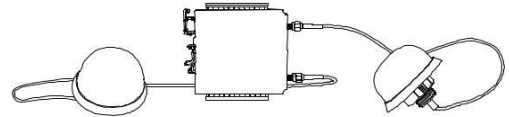
Art. 70010001 | Luminaire controller, 2 relay  
Art. 70010002 | Luminaire controller, 1 relay



### Citintelly Segment controller

Segment Controller receives commands from Citintelly server via GSM and transmits tasks to Luminaire Controller via radio frequency communication.

Art. 70000101



### Citintelly Surge Protection device

Surge Protection device offers protection against lighting surges;

Voltage Protection level up (L-N)  $\leq 1,5$  kV

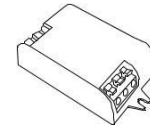
Voltage Protection level up (L/N-PE)  $\leq 1,8$  kV

$U_{oc} = 10$  kV

$I_{max} = 10$  kA

$I_{nom} = 5$  kA

Art. 70002001



### Surge Protection device

Surge Protection device offers protection against lighting surges;

Voltage Protection level up (L-N)  $\leq 1,5$  kV

Voltage Protection level up (L/N-PE)  $\leq 2,0$  kV

$U_{oc} = 10$  kV

$I_{max} = 10$  kA

$I_{nom} = 5$  kA

Art. 70000203



### Radio Frequency Antenna

Heavy duty IP67 enclosure

Mounted in cabinet or luminaire body with 14 mm screw

SMA connector

Art. 70000108



### NEMA Socket

2213362-3, 5 pin NEMA socket 105°C wires

Art. 70000362

2213362-4, 7 pin NEMA socket 105°C wires

Art. 70000333



### Dummy Link for NEMA Socket

Art. 70000113



### Connector

IP66 rated connector offers easy installation of luminaires.

3 wire cable connector

Art. 70000313

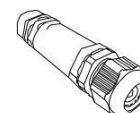


### Connector

IP66 rated connector offers easy installation of luminaires.

5 wire cable connector

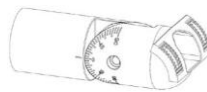
Art. 70000315



### Adjustable Console $\pm 90^\circ$

Spigot size 60 mm

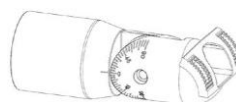
Art. 70055005



### Adjustable Console $\pm 90^\circ$

Spigot size 76 mm

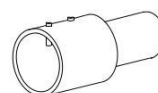
Art. 70055006



### Console adapter

Spigot size 60 - 76 mm

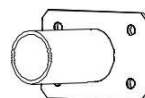
Art.70044002



### Wall mounting bracket

Spigot size 40 - 60 mm

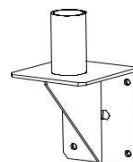
Art.70044001



### Wall mounting bracket

Vertical

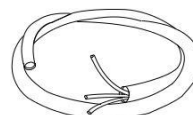
Art.70044004



### Pre-installed cable sets

Pre-installed cables sets in the luminaire  
Diameter of the cable:

|                           |               |
|---------------------------|---------------|
| 3 x 1,5 mm - 0,5 m length | Art. 70000319 |
| 3 x 1,5 mm - 5 m length   | Art. 70000320 |
| 3 x 1,5 mm - 6 m length   | Art. 70000321 |
| 3 x 1,5 mm - 8 m length   | Art. 70000322 |
| 3 x 1,5 mm - 10 m length  | Art. 70000323 |
| 3 x 1,5 mm - 12 m length  | Art. 70000324 |
| 3 x 1,5 mm - 18 m length  | Art. 70000325 |



Pre-installed cables sets in the luminaire  
Diameter of the cable:

|                           |               |
|---------------------------|---------------|
| 5 x 1,5 mm - 0,5 m length | Art. 70000305 |
| 5 x 1,5 mm - 5 m length   | Art. 70000316 |
| 5 x 1,5 mm - 6 m length   | Art. 70000317 |
| 5 x 1,5 mm - 8 m length   | Art. 70000318 |
| 5 x 1,5 mm - 10 m length  | Art. 70000306 |
| 5 x 1,5 mm - 12 m length  | Art. 70000307 |
| 5 x 1,5 mm - 18 m length  | Art. 70000308 |



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