

# Gamme TILT



ECLATEC



**PAD**LEDs MODULE



## TILT RANGE

The TILT range combines smart lines, performance and versatility.

Here functionality - an essential feature - comes in a sparky, modern form. Its silhouette conveys a contained momentum, and brings a dynamic touch to a wide variety of installation contexts.

The TILT range is the undisputed champion when it comes to energy savings.

Tilt, a luminous idea!



The TILT range means choice galore:

- three models: TILT 20 and 32  
TILT 42 and 56  
TILT 70 and 84
- several lens designs
- multiple photometric distributions
- different power levels
- upgradable features (dimming periods, coupling with a motion sensor)...







TILT 20/32



TILT 42/56



TILT 70/84



|                     | TILT 20   | TILT 32                       | TILT 42  | TILT 56                                      | TILT 70  | TILT 84                                      |
|---------------------|---|-------------------------------|--|--|--|--|
| Modules             | <i>PAD</i> <sub>LEDs</sub> 20                       | <i>PAD</i> <sub>LEDs</sub> 32 | <i>PAD</i> <sub>LEDs</sub> 42<br>(removable)         | <i>PAD</i> <sub>LEDs</sub> 56<br>(removable) | <i>PAD</i> <sub>LEDs</sub> 70<br>(removable)         | <i>PAD</i> <sub>LEDs</sub> 84<br>(removable) |
| Recommended heights | from 4 to 6m  |                               | from 5 to 7m   | from 6 to 8m                                 | from 7 to 9m   | from 8 to 10m                                |
| Applications        | Cycle paths, pedestrian walkways, residential areas |                               | Main roads and secondary urban and inter-urban roads |  | Main roads and secondary urban and inter-urban roads |  |
| Montage             | Female top fitting (see mechanical interfaces)      |                               | Top and side mounting (see mechanical interfaces)    |  |  |  |

## INFORMATION FOR SPECIFIERS

- IP66
- IK09: Tilt 42, 56, 70, 84 and Tilt 20, 32 individual lenses
- IK07 Tilt 20/32 single lens
- Class I or II
- *PAD*<sub>LEDs</sub> 20 and 32 modules equipped with *ORA*<sub>LENS</sub> single lenses or individual lenses
- *PAD*<sub>LEDs</sub> 42, 56, 70 and 84 modules equipped *ORA*<sub>LENS</sub> single lenses with flat thermally toughened glass
- Colour temperatures:
  - *PAD*<sub>LEDs</sub> 20, 32 modules: 4,100 K and 3,000 K
  - *PAD*<sub>LEDs</sub> 42, 56, 70 and 84 modules: 4,100 K
- Body, frame and cover made of injection die cast aluminium
- Polyester powder coating, any RAL colour available, please enquire for other colours

## ECO DESIGN

- Complies with the European RoHS directive
- ULOR < 3%
- High recyclability rate

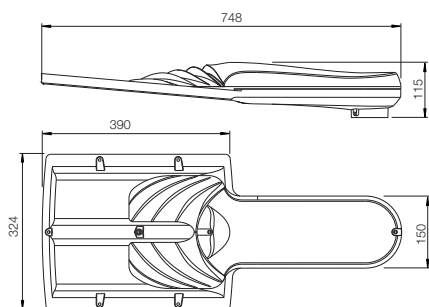
## MATERIAL ANALYSIS

- Tilt 20, 32 (lentilles individuelles) : Aluminium 97%, Steel 1%, Plastic 1%, Other 1%
- Tilt 20, 32 (monolentille) : Aluminium 86%, Steel 1%, Plastic 12%, Other 1%,
- Tilt 42, 56 : Aluminium 72%, Glass 21%, Steel 2%, Plastic 4%, Other 1%,
- Tilt 70, 84 : Aluminium 68%, Glass 23%, Steel 2%, Plastic 6%, Other 1%

## IP RATING

- Degree of protection IP66 according to standard EN 60529
- Extruded silicone gasket
- Cable gland
- Luminaire breathes through activated carbon filter





|  | TILT 20  | TILT 32  |
|--|--|--|
| <b>Mounting</b>                                  | Female top fitting Ø 60mm, 76mm and 89mm                           |  |
| <b>Dimensions</b>                                | <b>Lgth.</b>   | 748mm  |
|  | <b>Width</b>   | 324mm  |
|  | <b>Height</b>  | 115mm  |
| <b>Weight</b>                                    | Single lens: 6.4 kg<br>Individual lenses: 6.6 kg                   | Single lens: 6.7 kg<br>Individual lenses: 6.9 kg     |
| <b>Windage</b>                                   | 0.05m <sup>2</sup>   |  |
| <b>Source accessibility</b>                      | Direct access to the control gear by removing the cover            |  |
| <b>Sources</b>                                   | <i>PAD</i> <sub>LEDS</sub> 20                                      | <i>PAD</i> <sub>LEDS</sub> 32                        |
| <b>Reflector and distribution variants</b>       | Single lens: LRS or LRL<br>Individual lenses: LRS or LRL           |  |
| <b>Power unit</b>                                | from 75 to 700mA   |  |
| <b>Power</b>                                     | from 7 to 49W  | from 10 to 74W                                       |
| <b>Luminous flux at maximum power at 4,100 K</b> | Single lens: 3,795 lm<br>Individual lenses: 3,577 lm               | Single lens: 6,160 lm<br>Individual lenses: 5,651 lm |
| <b>Luminous flux at maximum power at 3,000 K</b> | Single lens: 3,709lm<br>Individual lenses: 3,496lm                 | Single lens: 5,518lm<br>Individual lenses: 5,062lm   |
| <b>RE option</b><br>adjustable on site           | ✓  | ✓  |
| <b>CA2 option</b><br>adjustable on site          | ✓  | ✓  |
| <b>CA5 option</b><br>Factory programming         | ✓  | ✓  |
| <b>DE option</b><br>adjustable on site           | ✓  | ✓  |
| <b>DE + CA5 option</b><br>Factory programming    | ✓  | ✓  |
| <b>DALI option</b><br>Factory programming        | ✓  | ✓  |
| <b>FC option</b>                                 | Compatible with the standard version and the CA5 or DE+CA5 options |  |

Key:  
**LRS**: standard road luminance (emphasis on uniformity), **LRL**: wide road luminance (emphasis on uniformity),  
**RE**: adjustable current, **CA2**: 2-level dimming calculator, **CA5**: 5-level dimming calculator, **DE**: motion sensor, **DE + CA5**: motion sensor and dimming calculator, **DALI**: compatible with the DALI protocol, **FC**: compensated flux

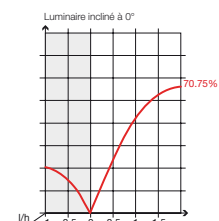
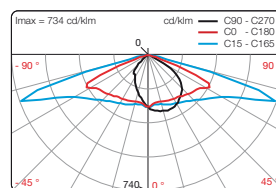
## MECHANICAL INTERFACES

- Top mounting:  
for poles Ø 60mm  
for poles Ø 76mm and Ø 89mm: requires a Ø 60mm x 70mm spigot

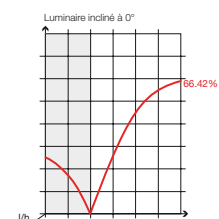
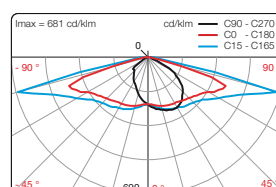


## PHOTOMETRIC DISTRIBUTION

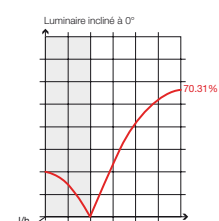
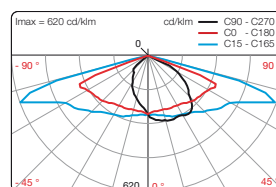
TILT 20-32 *PAD*<sub>LEDS</sub> 20-32 LRL monolentille



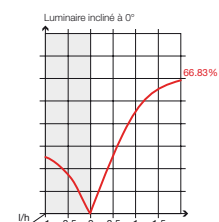
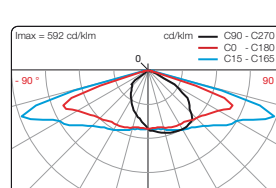
TILT 20-32 *PAD*<sub>LEDS</sub> 20-32 LRS monolentille



TILT 20-32 *PAD*<sub>LEDS</sub> 20-32 LRL individuelles



TILT 20/32 *PAD*<sub>LEDS</sub> 32 LRS individuelles



## MAINTENANCE

### Control gear maintenance

Direct access to the power supply unit after removing the cover fastened with 2 captive screws {1} {2}

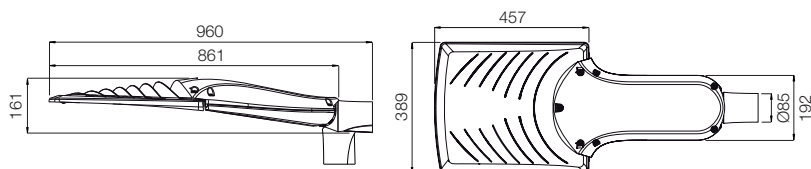


### Maintenance of the sources

A second sealed compartment contains the optical system

To comply with best practice (initial mounting in a dedicated workshop, to guarantee cleanliness, anti-static and sealing conditions...), in most cases it is recommended that the whole luminaire be replaced





|  | TILT 42   | TILT 56                                     |
|--|---|---|
| <b>Mounting</b>                                  | Top and side mounting<br>(see Mechanical interfaces)                  |   |
| <b>Dimensions</b>                                | <b>Lgth.</b>  | 861mm                                       |
|  | <b>Width</b>  | 389mm                                       |
|  | <b>Height</b>   | 161mm                                       |
| <b>Weight</b>                                    | 10kg  |   |
| <b>Windage</b>                                   | 0.07m <sup>2</sup>  |   |
| <b>Source accessibility</b>                      | Control gear mounted on removable tray<br>Removable modules           |   |
| <b>Module</b>                                    | <i>PAD<sub>LEDS</sub></i> 42<br>(removable)                           | <i>PAD<sub>LEDS</sub></i> 56<br>(removable) |
| <b>Reflector and distribution variants</b>       | 14 LED single lens with glass bowl:<br>LRS or LRL                     |   |
| <b>Power unit</b>                                | from 100 to 700mA   |   |
| <b>Power</b>                                     | from 14 to 96W  | from 18 to 127W                             |
| <b>Luminous flux at maximum power at 4,100 K</b> | 8081lm  | 10775lm                                     |
| <b>Luminous flux at maximum power at 3,000 K</b> | -   | -   |
| <b>RE option</b><br>adjustable on site           | ✓   | ✓   |
| <b>CA2 option</b><br>adjustable on site          | ✓   | ✓   |
| <b>CA5 option</b><br>factory programming         | ✓   | ✓   |
| <b>DE option</b><br>adjustable on site           | -   | -   |
| <b>DE + CA5 option</b><br>factory programming    | -   | -   |
| <b>DALI option</b><br>factory programming        | ✓   | ✓   |
| <b>FC option</b>                                 | Compatible with the standard version and the<br>CA5 or DE+CA5 options |   |

Key:

**LRS:** Standard road luminance (emphasis on uniformity), **LRL:** Wide road luminance (emphasis on uniformity),  
**RE:** adjustable current, **CA2:** 2-level dimming calculator, **CA5:** 5-level dimming calculator, **DE:** motion sensor,  
**DE+CA5:** Motion sensor and dimming calculator, **DALI:** Compatible with the DALI protocol, **FC:** Compensated flux

## MECHANICAL INTERFACES

- **Top 60 and Top 76:** Male and female Top fittings for Ø 60mm {1, 2} and female for Ø 76mm
- **L60 and L76:** Side female for Ø 60mm and Ø 76mm {3}
- **LL54:** Side male mounting for Ø 60mm steel bracket {4}
- **LL48:** Side male mounting for Ø 60mm aluminium bracket {4}
- Tilt: 0°, 5°, 10° and 15°



Female fitting for steel and aluminium brackets



Top male fitting for steel and aluminium posts

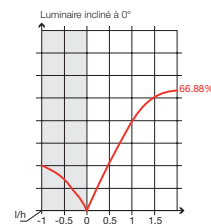
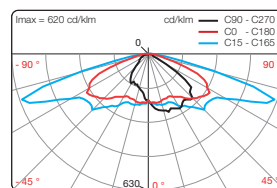
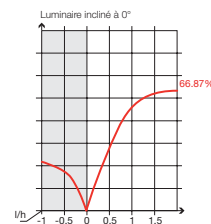
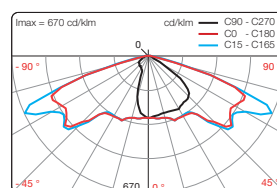


Side female fitting for steel and aluminium brackets



Male fitting for steel bracket

## PHOTOMETRIC DISTRIBUTION

TILT 42-56 *PAD<sub>LEDS</sub>* 42-56 LRLTILT 42-56 *PAD<sub>LEDS</sub>* 42-56 LRS

## MAINTENANCE

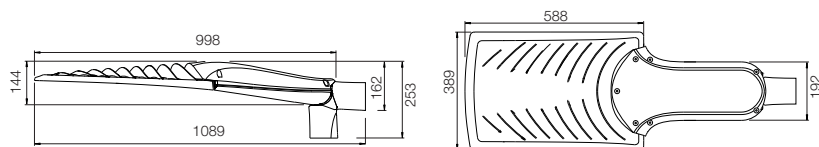
### Control gear maintenance

Direct access to the power supply unit after removing the cover fastened with 4 captive screws {1}. Control gear integrated on removable tray, no tools required, quick connectors.

### Maintenance of the sources

A second sealed compartment contains the optical system. Removal of *PAD<sub>LEDS</sub>* fastened by 3 captive screws {2, 3}. Electrical disconnection. Removal of the *PAD<sub>LEDS</sub>* module.





|  | TILT 70  | TILT 84                                     |
|--|--|---|
| <b>Mounting</b>                                  | Top and side mounting<br>(see Mechanical interfaces)               |   |
| <b>Dimensions</b>                                | <b>Lgth.</b><br><b>Width</b><br><b>Height</b>                      | 998mm<br>389mm<br>162mm                     |
| <b>Weight</b>                                    | 11kg   |   |
| <b>Windage</b>                                   | 0.08m <sup>2</sup>   |   |
| <b>Source accessibility</b>                      | Control gear mounted on removable tray<br>Removable modules        |   |
| <b>Module</b>                                    | <b>PAD<sub>LEDs</sub> 70</b><br>(removable)                        | <b>PAD<sub>LEDs</sub> 84</b><br>(removable) |
| <b>Reflector and distribution variants</b>       | 14 LED single lens with glass bowl: LRS or LRL                     |   |
| <b>Power unit</b>                                | from 100 to 700mA  |   |
| <b>Power</b>                                     | from 23 to 159W  | from 27 to 191W                             |
| <b>Luminous flux at maximum power at 4,100 K</b> | 13469lm  | 16163lm                                     |
| <b>Luminous flux at maximum power at 3,000 K</b> | -  | -   |
| <b>RE option</b><br>adjustable on site           | ✓  | ✓   |
| <b>CA2 option</b><br>adjustable on site          | ✓  | ✓   |
| <b>CA5 option</b><br>factory programming         | ✓  | ✓   |
| <b>DE option</b><br>adjustable on site           | -  | -   |
| <b>DE + CA5 option</b><br>factory programming    | -  | -   |
| <b>DALI option</b><br>factory programming        | ✓  | ✓*  |
| <b>Option FC</b>                                 | Compatible with the standard version and the CA5 or DE+CA5 options |   |

\* Required two separate DALI control units

Key:

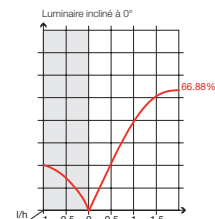
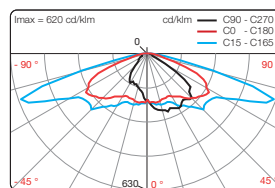
**LRS:** Standard road luminance (emphasis on uniformity), **LRL:** Wide road luminance (emphasis on uniformity),

**RE:** Adjustable current, **CA2:** 2-level dimming calculator, **CA5:** 5-level dimming calculator, **DE:** motion sensor,

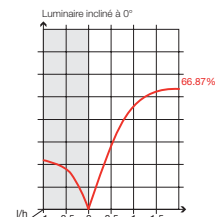
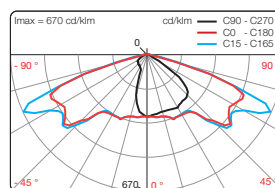
**DE + CA5:** Motion sensor and dimming calculator, **DALI:** Compatible with the DALI protocol, **FC:** Compensated flux

## PHOTOMETRIC DISTRIBUTION

TILT 70-84 **PAD<sub>LEDs</sub>** 70-84 LRL



TILT 70-84 **PAD<sub>LEDs</sub>** 70-84 LRS



## MAINTENANCE

### Control gear maintenance

Direct access to the power supply unit after removing the cover fastened with 4 captive screws {1} Control gear integrated on removable tray, no tools required, quick connectors

### Maintenance of the sources

A second sealed compartment contains the optical system fastened with 4 captive screws {1} Removal of **PAD<sub>LEDs</sub>** fastened by 3 captive screws {2, 3} Electrical disconnection Removal of the **PAD<sub>LEDs</sub>** module



## MECHANICAL INTERFACES

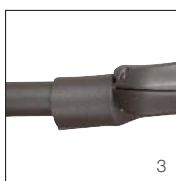
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- **L60 and L76:** Side female for Ø 60mm and Ø 76mm {3}
- **LL54:** Side male mounting for Ø 60mm steel bracket {4}
- **LL48:** Side male mounting for Ø 60mm aluminium bracket {4}
- Tilt: 0°, 5°, 10° and 15°



Female fitting for steel and aluminium brackets



Top male fitting for steel and aluminium posts



Side female fitting for steel and aluminium brackets



Male fitting for steel bracket

6 m

5 m

4 m

3 m

2 m

1 m

**Tilt 20/32**

- **Configuration**  
Single bracket  
Recommended height: 4 to 6m
- **Pole**  
Cylindroconical steel Ø 60/62mm

**Tilt 20/32 Kiowa**

- **Configuration**  
Single bracket  
Recommended height: 4 to 6m
- **Pole Kiowa**  
Consists of a tubular galvanised steel base and a cylindric-conical glued laminated larch wood shaft  
Pole height: 4m and 5m





## Tilt 42/56 Chrome

- **Configuration**

Single bracket, double bracket, pathway bracket, wall bracket

Recommended height:

Tilt 42 - 5 to 7m / Tilt 56 - 6 to 8m

- **Chrome bracket**

Steel

Outreach 500mm and 1000mm

Tilt 5°

Luminaire lateral mounted onto the bracket

Male mounting bracket for pole top fitting

- **Pole**

Cylindroconical steel Ø 60/62mm

- **Pathway bracket**

Steel, outreach 300mm

Tilt 10°

- **Wall bracket**

Steel, outreach 500mm and 1000mm

Tilt 5°

Tilt 32

10 m

9 m

8 m

7 m

6 m

5 m

4 m

3 m

2 m

1 m

**Tilt 42/56 Gem**

- **Configuration**  
Single bracket, double bracket  
Recommended height:  
Tilt 42 - 5 to 7m / Tilt 56 - 6 to 8m
- **Gem bracket**  
Steel  
Outreach 1000mm  
Tilt 5°  
Luminaire lateral mounted onto the bracket  
Male mounting bracket for pole top fitting
- **Pole**  
Cylindroconical steel Ø 60/62mm

**Tilt 42/56 Pyramid**

- **Configuration**  
Single bracket  
Recommended height:  
Tilt 42 - 5 to 7m / Tilt 56 - 6 to 8m
- **Pyramid bracket (without veil)**  
Steel  
Outreach 750mm and 1200mm  
Tilt 10°  
Luminaire lateral mounted onto the bracket  
Male mounting bracket for pole top fitting
- **Pole**  
Cylindroconical steel Ø 60/62mm

### Tilt 70/84 Plaza

- **Configuration**

Single bracket

Recommended height:

Tilt 70 - 7 to 9m / Tilt 84 - 8 to 10m

- **Plaza bracket**

Steel

Outreach 1200mm and 1500mm

Tilt 5°

Luminaire lateral mounted onto the bracket

Male mounting bracket for pole top fitting

- **Pole**

Cylindroconical steel Ø 60/62mm



Tilt 70



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