

# PIANO

Datasheet



Design outdoor bollard PIANO is made of very sustainable Accoya wood. (See ACCOYA for more information). Thanks to its slim design and curved lines, a design bollard was created. During day time, it is a sustainable and stylish bollard. When it is dark, it provides optimal light for any situation.



**timberlab**  
natural outdoor solutions



## SPECIFICATIES

- **Wood species:** Accoya
- **Dimensions:** 80 x 170 mm
- **IP grade:** IP54
- **Power per LED module:** 2.4 Watt
- **Lumen output per LED module:**

|                 |
|-----------------|
| 2.700K = 121 lm |
| 4.000K = 153 lm |
| amber = 47 lm   |
- **Beam angle:** 155x65\*
- **Lifespan:** Every type of wood has its own durability class. More information can be found at "Wood species" & "Sustainability". The LED module has an expected lifespan of 108.000 hours.
- **Photometric data:** Available on request.

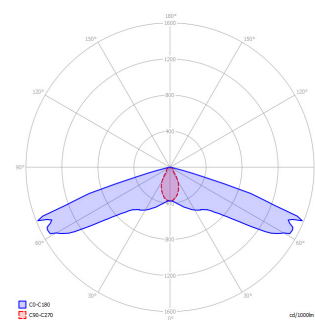
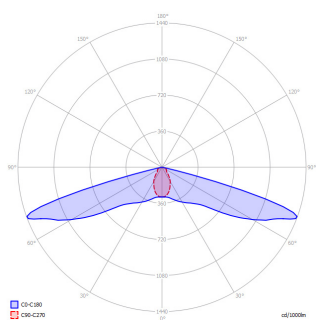
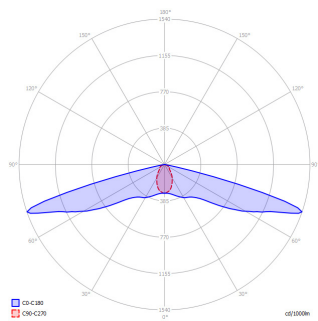
## OPTIONS

- **Voltage:** 230 VAC or 12-24 V AC/DC
- **Certification:** FSC or PEFC
- **Colour temperature:** Available in 2.700K, 4.000K and Amber (593nm).
- **Cable:** Available with 0,6mtr 3x 1,5mm<sup>2</sup> cable or a 32mm hole for an easy connection to your ground cable.
- **Variations :** All Timberlab products are unique. In addition to our standard options, we offer customization. Think of adding logos, sockets or different dimensions.



Only products indicated with the FSC® claim are FSC certified and come with our FSC-certificate number NC-COC-029615-KE. Only products indicated with the PEFC™ claim are 100% PEFC certified and come with our PEFC-certificate number NC-PEFC/COC-029615-FJ.

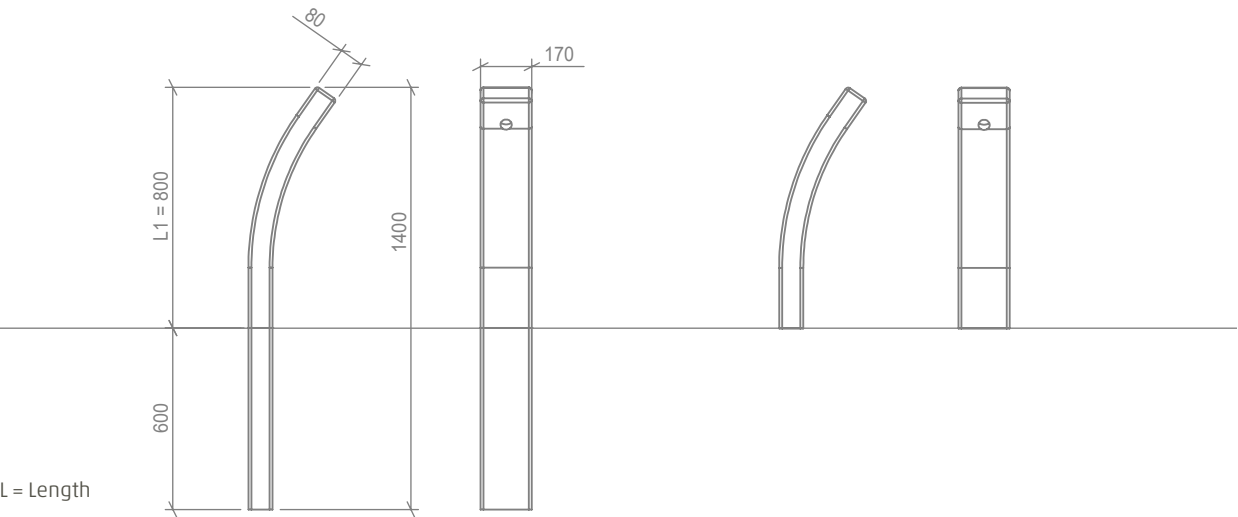
LED MODULES



|                                   |                                 |                                 |                                       |
|-----------------------------------|---------------------------------|---------------------------------|---------------------------------------|
|                                   | TBL path light module<br>2.700K | TBL path light module<br>4.000K | TBL path light module<br>AMBER 593 nm |
| Voltage<br>(optional)             | 230 VAC<br>12-24V AC/DC         | 230 VAC<br>12-24V AC/DC         | 230 VAC<br>12-24V AC/DC               |
| Power                             | 2.4 W*                          | 2.4W*                           | 2.1W*                                 |
| Power factor                      | 0.36*                           | 0.36*                           | 0.34*                                 |
| Lumen output                      | 121 lm*                         | 153 lm*                         | 47 lm*                                |
| Efficiency                        | 50 lm/W*                        | 63 lm/W*                        | 23 lm/W*                              |
| Colour temp.                      | Warm White<br>2700K<br>2654K*   | Cool White<br>4000K<br>3801K*   | AMBER<br>x=0.5977<br>y=0.3996.*       |
| CRI                               | 84*                             | 72*                             | n.a.                                  |
| Dimmable                          | on request                      | on request                      | on request                            |
| Label                             | A+                              | A+                              | B                                     |
| IP grade                          | IP 54                           | IP 54                           | IP 54                                 |
| Beam angle                        | 156x64*                         | 154x65*                         | 151x58*                               |
| Number of LEDs                    | 1                               | 1                               | 1                                     |
| Temperature range in<br>operation | -20...+50°C                     | -20...+50°C                     | -20...+50°C                           |
| Lifespan                          | 100.000 h                       | 100.000 h                       | 100.000 h                             |
| * Measured values                 |                                 |                                 |                                       |



DIMENSIONS AND WEIGHT



|                    |      |      |
|--------------------|------|------|
| Weight Accoya      | 7 kg | 4 kg |
| CO2 storage Accoya | 9 kg | 5 kg |

PRODUCT CODE GENERATOR

| Product family | Wood species | Certification     | In ground / post support  | Colour temp.                       | Type                         | Voltage               | Variations |
|----------------|--------------|-------------------|---|------------------------------------|------------------------------|-----------------------|------------|
| XX             | X            | X                 | XX  | X                                  | X                            | X                     | XX         |
| 13= PIANO      | 4= Accoya    | 0= N.a.<br>1= FSC | 00= Length 1 + 600mm in ground<br>95= Length 1 without post support | 1= 2.700K<br>3= 4.000K<br>4= Amber | 0= 2 x 20mm hole<br>1= Cable | 1= 230 V<br>2= 12-24V | 00         |

EXAMPLE

PIANO, Accoya, FSC, Length 1 + 600mm in ground, 2.700K, Cable, 230V.  
Product code: 13410010100