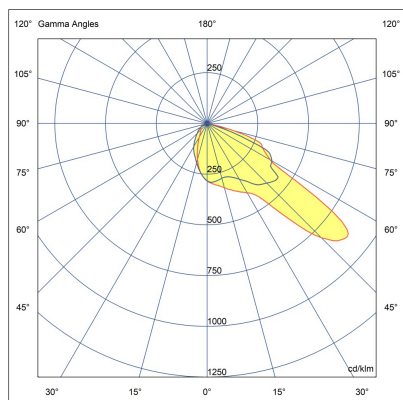
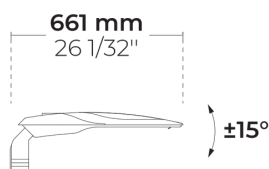


# TURA 1x12 LED

LL2036.751-EN-P4-700-740



[P4]

Pedestrian crosswalk distribution

## Configuration

|                       |               |
|-----------------------|---------------|
| Light distribution    | [P4] 22x77°   |
| Delivered lumens flux | 3221 lm       |
| Rated input power     | 28 W          |
| Color temperature     | 4000 K CRI 70 |
| Luminaire efficacy    | 115 lm/W      |
| Lamp                  | 12 LED        |
| Color Deviation       | 4 SDCM        |
| BUG rating            | B1-U0-G1      |
| Lifetime L90 (hour)   | >102,000      |
| Lifetime L80 (hour)   | >102,000      |

## Options

## Technical information

|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| Mounting                 | Direct pole or side bracket mountable. Tenon:<br>Ø2 1/4" x 4"                                       |
| Tilt angle               | +15°/-15°                                                                                           |
| Housing                  | Corrosion resistant, die-cast, marine grade aluminum housing                                        |
| Finishing                | Chromate conversion pretreatment followed by electrostatic powder coating                           |
| Fasteners                | Stainless steel (AISI 304 / EN 1.4301 grade)                                                        |
| Gasket                   | EPDM gasket (Shore A 20-25)                                                                         |
| Lens / Reflector         | PMMA lens with high optical efficiency                                                              |
| Glass / Diffusor         | Tempered safety glass                                                                               |
| Impact protection        | IK08                                                                                                |
| Ingress protection       | IP66                                                                                                |
| Input voltage            | 220-240V 50/60Hz                                                                                    |
| Insulation class         | Class I                                                                                             |
| Wind catching area (EPA) | 0.05 m <sup>2</sup>                                                                                 |
| Weight                   | 10 kg                                                                                               |
| LED module               | High power LEDs on metal-core PCB                                                                   |
| Driver                   | Internal LED driver                                                                                 |
| Driver surge protection  | 8/6 kV                                                                                              |
| Power factor             | > 0.95                                                                                              |
| Through wiring           | Single power cord entry                                                                             |
| Operating temperature    | -40...50°C                                                                                          |
| Notes                    | This product can be supplied with Insulation class (Class II) upon request. Please contact factory. |

Poles (To be ordered separately)

Round tapered aluminum poles with base plate

|  | Product code | Height                     | Diameter / Dimensions | Spigot / End diameter |
|-----------------------------------------------------------------------------------|--------------|----------------------------|-----------------------|-----------------------|
|                                                                                   | PAFK.D114    | 10', 13.1', 16.4'          | Ø4 1/2"               | Ø2 3/8", Ø3"          |
|                                                                                   | PAFK.D122    | 13.1', 16.4', 19.7'        | Ø5"                   | Ø2 3/8", Ø3"          |
|                                                                                   | PAFK.D148    | 19.7', 23.0', 26.2'        | Ø6"                   | Ø2 3/8", Ø3"          |
|                                                                                   | PAFK.D165    | 19.7', 23.0', 26.2', 29.5' | Ø6 1/2"               | Ø3 1/2", Ø3"          |
|                                                                                   | PAFK.D180    | 26.2', 29.5', 32.8'        | Ø7"                   | Ø3 1/2", Ø3"          |
|                                                                                   | PAFK.D200    | 32.8', 36.1', 39.4'        | Ø7 7/8"               | Ø3 1/2", Ø3"          |

Round tapered aluminum poles (direct burial)

|  | Product code | Height                     | Diameter / Dimensions | Spigot / End diameter |
|-----------------------------------------------------------------------------------|--------------|----------------------------|-----------------------|-----------------------|
|                                                                                   | PABK.D114    | 10', 13.1', 16.4'          | Ø4 1/2"               | Ø2 3/8", Ø3"          |
|                                                                                   | PABK.D122    | 13.1', 16.4', 19.7', 23.0' | Ø5"                   | Ø2 3/8", Ø3"          |
|                                                                                   | PABK.D148    | 19.7', 23.0', 26.2'        | Ø6"                   | Ø2 3/8", Ø3"          |
|                                                                                   | PABK.D165    | 19.7', 23.0', 26.2', 29.5' | Ø6 1/2"               | Ø3 1/2", Ø3"          |
|                                                                                   | PABK.D180    | 26.2', 29.5', 32.8'        | Ø7"                   | Ø3 1/2", Ø3"          |
|                                                                                   | PABK.D200    | 32.8', 36.1', 39.4'        | Ø7 7/8"               | Ø3 1/2", Ø3"          |

Round cylindrical aluminum poles with base plate

|  | Product code | Height                     | Diameter / Dimensions | Spigot / End diameter |
|-----------------------------------------------------------------------------------|--------------|----------------------------|-----------------------|-----------------------|
|                                                                                   | PAFC.D114    | 10', 13.1', 16.4'          | Ø4 1/2"               | Ø4 1/2"               |
|                                                                                   | PAFC.D122    | 10', 13.1', 16.4', 19.7'   | Ø5"                   | Ø4 51/64"             |
|                                                                                   | PAFC.D148    | 19.7', 23.0', 26.2'        | Ø6"                   | Ø5 7/8"               |
|                                                                                   | PAFC.D165    | 19.7', 23.0', 26.2', 29.5' | Ø6 1/2"               | Ø6 1/2"               |

|                                               |  |      |  |      |  |          |  |
|-----------------------------------------------|--|------|--|------|--|----------|--|
| Project name                                  |  |      |  | Type |  | Quantity |  |
| Date                                          |  | Note |  |      |  |          |  |
| LL2036.751-EN-P4-700-740-__-__-__-__-__-__-__ |  |      |  |      |  |          |  |

| Light distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Rated input power    | Color temperature                                                                                       | Control                                                                                                               | Product colors                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[P4]</b><br>Pedestrian crosswalk distribution - 22x77°<br><br><b>[T1]</b><br>Type I - 113x48°<br><br><b>[T2]</b><br>Type II - 137x52°<br><br><b>[T2]</b><br>Type II - 150x60°<br><br><b>[T2BL]</b><br>Type II with Backlight shield - 128x48°<br><br><b>[T3]</b><br>Type III - 143x68°<br><br><b>[T3]</b><br>Type III - 158x59°<br><br><b>[T3BL]</b><br>Type III with Backlight shield - 128x50°<br><br><b>[T4]</b><br>Type IV - 121x70°<br><br><b>[T4BL]</b><br>Type IV with Backlight shield - 111x38° | <b>[700]</b><br>28 W | <b>[740]</b><br>4000 K CRI 70<br><br><b>[730]</b><br>3000 K CRI 70<br><br><b>[830]</b><br>3000 K CRI 80 | <b>[ONOFF]</b><br>On/Off<br><br><b>[DALI]</b><br>DALI<br><br><b>[AUTO]</b><br>AutoDIM<br><br><b>[STEP]</b><br>StepDIM | <b>[HM3]</b> <br>Anthracite gray<br><br><b>[HM4]</b> <br>Light gray<br><br><b>[CC]</b> <br>Custom color (Please specify RAL code) |
| Extras                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                                                                                                         |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                            |

|                                       |
|---------------------------------------|
| <b>External surge protection</b>      |
| <b>[SP10]</b><br>10 kV                |
| <b>Connectivity</b>                   |
| <b>[NM7]</b><br>7 Pin NEMA socket     |
| <b>Light output</b>                   |
| <b>[CLO]</b><br>Constant light output |
| <b>Consult the factory</b>            |
| <b>[C2]</b><br>Class II               |
| <b>[UNI]</b><br>120-277V 50/60Hz      |
| <b>Luminaire body options</b>         |
| <b>[DPC]</b><br>Double powder coating |