# Amyas TRK

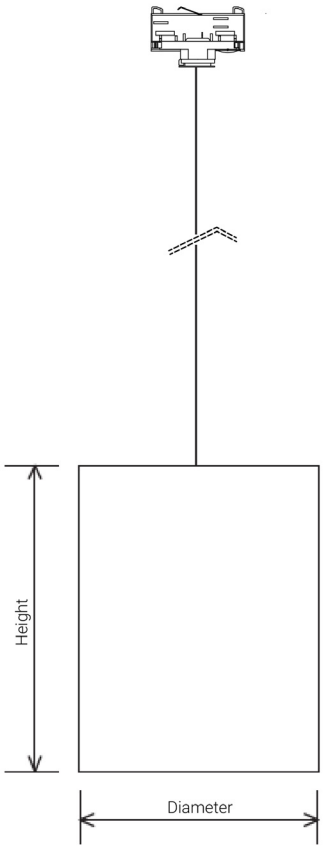
## TRACK DOWNLIGHTS | PI-LED SERIES

With an elegant and clean design, Amyas can be mounted by suspension on the ceiling or directly to a wall, as wall luminaire. Easily installed and maintained. Suitable for special color temperatures. With eight different lens angles from 10° to wide 60°.

PI-LED - Combines variable white light and light of the RGB color system in one single light source. It can vary the color temperature between 2700K - 6500K along Planckian curve in the course of a day.

Amyas come in several series, with various add-on and controls:

- Amyas TRK TEC – the standard for any project in the retail sectors
- Amyas TRK ECO-DALI – with DALI controls for dimming
- Amyas TRK PI-LED - the even hormone balance, biorhythm and enhances wellbeing and vitality.




### FEATURES & BENEFITS

- CRI 90 as standard
- Color temperature: PI-LED
- Great variety of optics – 8 angles from narrow beams to flood beams
- Luminaire efficiency: 54lm/W @4000K

### APPLICATION

Grocery & Supermarket | Office | Healthcare | Hospitality | DIY

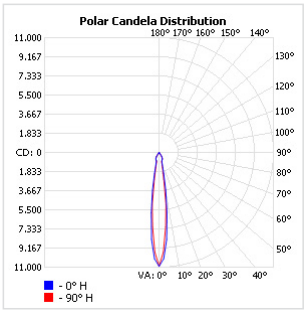
## SPECIFICATIONS

| | |
|---|---|
| Power consumption | 26W |
| Dimensions | D140xH180mm±1mm / D180xH200mm±1mm / D220xH240mm±1mm |
| Weight | 1.4 Kg / 1.9 Kg / 2.1 Kg |
| Housing materials | Aluminium, Glass |
| IK code | IK02 |
| THD (at 230V, 50Hz, Full load) | <8% |
| Protection class | Safety class 1 |
| Operating temperature [˚C] | -10°C ... +45°C / +50F ... +113F |
| Operating humidity [%] | 10 ÷ 85 |
| Power factor | ≥0.95 |
| AC Input [Vac] | 220 - 240 VAC |
| Lens angle [˚] | 10°, 15°, 20°, 24°, 30°, 45°, 55°, 60° |
| Lifespan [h] | 50,000 |
| Housing color | ○ RAL 9003 - Signal White, ● RAL 9005 - Jet Black, ● RAL 9006 - White Aluminium |
| Lumen maintenance | L70/B10@50,000h at 25°C |
| IP factor (general) | IP20 |
| Control option | **ECO-DALI** |
| Warranty [years] | 5 |
| Storage temperature range [°C] | -20°C ... +80°C / -4F ... +176F |
| Emergency option | |

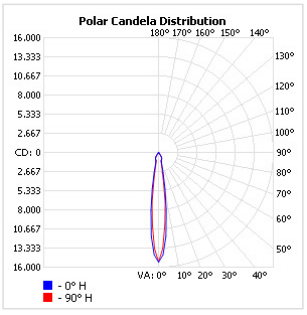
| | |
|---|---|
| Light application | Standard |
| CRI | CRI 90 |
| CCT [K] | PI |
| MacAdam | 4 |

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

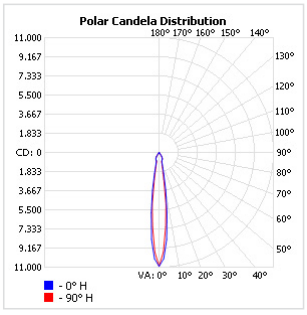
## LIGHT DISTRIBUTION



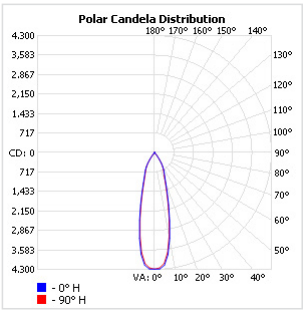
10°



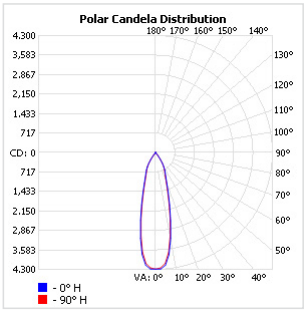
15°



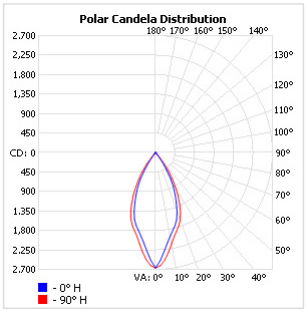
20°



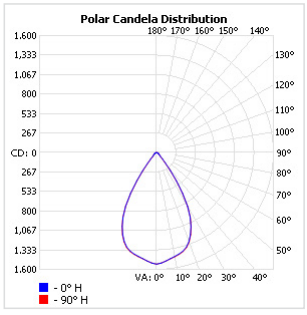
24°



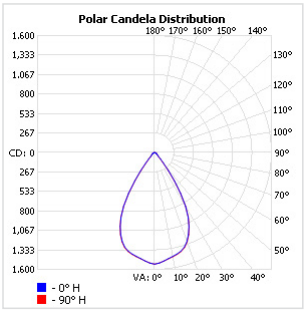
30°



45°



55°



60°

## TOLERANCES

**Luminous flux tolerances:** -/+ 5%

**Consumption tolerance:** -/+ 5% for **TEC** | -/+ 10% for **TEC & KIT EM** | -/+ 10% for **ECO-DALI** | -/+ 15% for **ECO-DALI & KIT EM**

## BATTERY WARRANTY

**TEC EM & ECO EM:** 12 months warranty

**TEC & ECO: -**

## MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT

| Power | Driver type | Control type | Circuit Breaker Type | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B | | | C | | |
| | | | Amperage | 20 | 16 | 10 | 20 | 16 | 10 |
| 12-14W | SR | TEC | | 62 | 50 | 31 | 104 | 85 | 52 |
| 17-20W | SR | TEC | | 62 | 50 | 31 | 104 | 85 | 52 |
| 23-27W | SR | TEC | | 24 | 20 | 10 | 47 | 40 | 20 |
| 29-35W | SR | TEC | | 24 | 20 | 10 | 47 | 40 | 20 |
| 42W | SR | TEC | | 20 | 16 | 8 | 38 | 32 | 16 |
| 12-14W | SR | ECO | | 62 | 50 | 31 | 104 | 85 | 52 |
| 23-27W | SR | ECO | | 25 | 21 | 13 | 50 | 42 | 26 |
| 34-42W | SR | ECO | | 17 | 14 | 9 | 34 | 28 | 18 |

## RISK GROUP

| | |
|---|---|
| **Standard (CRI80)** | RG1 |
| **FOOD (BVF, FBS, FSM)** | RG1 |
| **FOOD <20W (FZM, FSH)** | RG2 (dthr=1.8m) |
| **FOOD >20W (FZM, FSH)** | RG2 (dthr=2.2m) |
| **FAS** | RG1 |
| **AMB2200** | - |
| **ART** | RG1 |
| **AGI** | RG1 |
| **CRI95** | RG1 |
| **SUNSET** | RG1 |

### RG1

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 (“Photobiological safety of lamps and lamp systems”). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class “Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)”.Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

### RG2

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 (“Photobiological safety of lamps and lamp systems”). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class “Moderate Risk (RG2)”. Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

**SKU SPECIFICATIONS**

| Product Code | Dimensions (mm) | CCT (K) | Lumens (lm) | Power (W) | Eff. (lm/watt) | Lens Angle (°) |
|---|---|---|---|---|---|---|
| **CRI 80** | | | | | | |
| 272651 Amyas TRK C31400/PI/26W/90/A10 | D140 x H180 ±1mm | PI | 1400 | 26W | 54 | 10° |
| 272652 Amyas TRK C31400/PI/26W/90/A24 | D140 x H180 ±1mm | PI | 1400 | 26W | 54 | 24° |
| 272653 Amyas TRK C31400/PI/26W/90/A55 | D140 x H180 ±1mm | PI | 1400 | 26W | 54 | 55° |
| 272654 Amyas TRK C31800/PI/26W/90/A20 | D180 x H200 ±1mm | PI | 1400 | 26W | 54 | 20° |
| 272655 Amyas TRK C31800/PI/26W/90/A30 | D180 x H200 ±1mm | PI | 1400 | 26W | 54 | 30° |
| 272656 Amyas TRK C31800/PI/26W/90/A45 | D180 x H200 ±1mm | PI | 1400 | 26W | 54 | 45° |
| 272657 Amyas TRK C31800/PI/26W/90/A55 | D180 x H200 ±1mm | PI | 1400 | 26W | 54 | 55° |
| 272658 Amyas TRK C32200/PI/26W/90/A15 | D220 x H240 ±1mm | PI | 1400 | 26W | 54 | 15° |
| 272659 Amyas TRK C32200/PI/26W/90/A30 | D220 x H240 ±1mm | PI | 1400 | 26W | 54 | 30° |
| 272660 Amyas TRK C32200/PI/26W/90/A45 | D220 x H240 ±1mm | PI | 1400 | 26W | 54 | 45° |
| 272661 Amyas TRK C32200/PI/26W/90/A60 | D220 x H240 ±1mm | PI | 1400 | 26W | 54 | 60° |