





# Isaro Pro

THORN

99938241 IP 12L32 830 ENR BP550 ZU CL2 M60 GY-S

LED 13W IP12L32-830ENR		IP 66 IK 09				T <sub>a</sub> 50
------------------------	---	-------------	---	---	---	-------------------

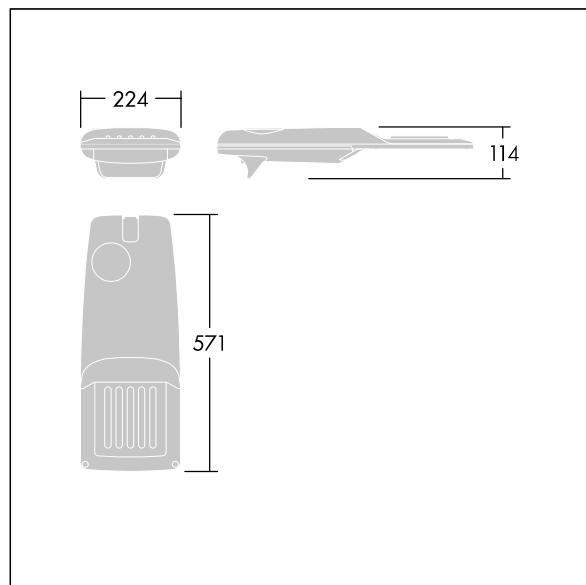
## Isaro Pro

A state of the art LED road lighting lantern (small) with 12 LEDs driven at 320mA with Extra Narrow Road optic. LED driver. Class II electrical, IP66, IK09. Housing: die-cast aluminium (EN AC-44300), powder coated textured light grey 150 (close to RAL9006). Spigot: die-cast aluminium (EN AC-44300). Enclosure: 5mm thick glass. Fixings: stainless steel. Supplied with Ø60mm spigot adaptor which can be fitted for post-top (0°/5°/10°/15°/20° tilt) or side-entry (-15°/-10°/-5°/0°/5°/10°/15° tilt). Preprogrammed on 4 levels 50% power reduction mode, effective 5 hours after a calculated midnight. It can be deactivated at installation with an easily accessible internal switch. Complete with 3000K LED. Surge protection: 10kV/10kA. Temperature range -20°C to +45°C. Equipped with Zhaga socket ready for RF controller connection.

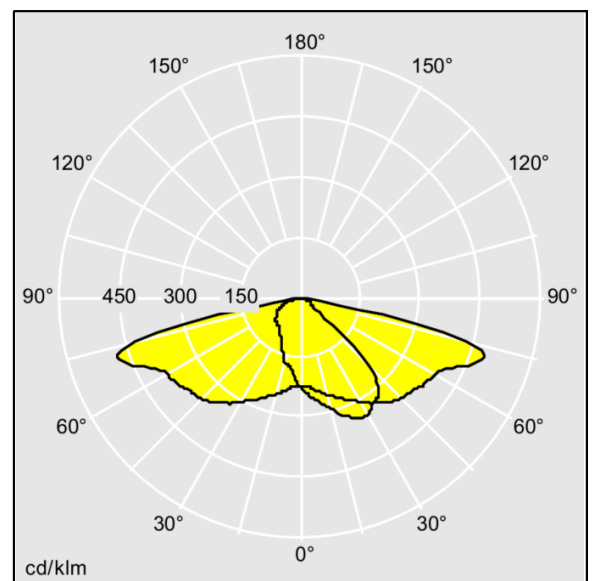
Dimensions: 571 x 224 x 114 mm  
 Luminaire input power: 13 W  
 Luminaire luminous flux: 1604 lm  
 Luminaire efficacy: 123 lm/W  
 Weight: 5.53 kg  
 Scx: 0.054 m²



TLG\_ISRP\_F\_PDB\_SIL.jpg



TLG\_ISRP\_M\_LD1.wmf



TL\_IP12L32ENR830.ltd

Lamp position: STD - standard  
 Light Source: LED  
 Luminaire luminous flux\*: 1604 lm  
 Luminaire efficacy\*: 123 lm/W  
 Lamp efficacy: 123 lm/W  
 Colour Rendering Index min.: 80

Correlated colour temperature: 3000 Kelvin  
 Chromaticity tolerance (initial MacAdam): 5  
 Rated useful life (B10)\*:  
 L95 100000h at 25°C  
 Ballast: 1x LED\_DRV  
 Luminaire input power\*: 13 W Power factor > 0.95  
 LOR: 1,00 ULOR: 0,00 DLOR: 1,00

All values marked with an \* are rated values. Thorn uses tried and tested components from leading suppliers, however there may be isolated instances of technology-related failures of individual LEDs during the rated product lifetime. International standards set the tolerance in initial flux and connected load at ±10%. Colour temperature is subject to a tolerance of up to %s Kelvin from the nominal value. Unless stated otherwise, the values apply to an ambient temperature of 25°C. In most products the failure of one LED point causes no functional impairment to the lighting performance of the luminaire and is therefore no reason for complaint. Unless otherwise stated all Thorn LED products are suitable for unrestricted use (rated RG0 or RG1) with regard photobiological blue light safety (IEC/EN60598-1).

Thorn Lighting is constantly developing and improving its products. The right is reserved to change specifications without prior notification or public announcement.  
 © Thorn Lighting