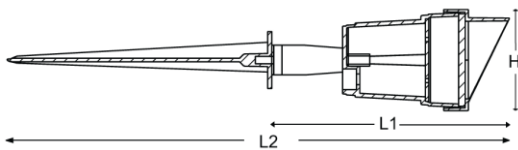


**TECHNICAL DESCRIPTION**



**DIMENSIONS**



Model	Wattage (W)	Dimensions L1 X L2 x H (mm)
PENZA - 5W	5W	145 x 305 x 78
PENZA - 7W	7W	
PENZA - 9W	9W	150 x 310 x 88
PENZA - 12W	12W	

**APPLICATIONS**

- Pathways
- Highlight statues and trees
- Green areas and parks
- Landscape areas
- Signage

**DESCRIPTION (Tender text)**

LED Spike Light, BIS certified with a grey painted die casted aluminium body and a glass protector tightened with the body to achieve IP66 protection and making the luminaire suitable for outdoor use.

Available with a mounting bracket which makes it possible to adjust and incline precisely on-site. It can be mounted on a wall or on the ground with spike.

The optics of the luminaire shall be designed for efficient symmetric light distribution. Design life shall not be less than 30,000 burning hours. The light engine shall incorporate COB in the Luminaires.

Overall luminous efficiency of luminaire shall be 70 Lm/W ± 7% at correlated colour temperature (CCT) of 3000K with tolerance as per ANSI standard, colour rendering index (CRI) 80.

Electrical Class I, rated voltage 240Vac, Power Factor ≥ 0.90 and THD < 15%. Shall be supplied pre-cabled for easy installation.

The product complies with the essential safety requirements of the applicable BIS standard.

**CHARACTERISTICS**

- Perfectly suited for ambiance creation
- Easy installation
- Adjustable spot head and it rotates freely in any direction
- Mounting with earth spike for portable installation or bracket for permanent installation on a wall or on a column.
- Protection against dust & water from any direction - IP66
- Warm White Light – 3000K
- Colour rendering index (CRI): 80
- Lifetime up to 30,000 hour(s)
- Electrical class I
- Operating Voltage Range: 240Vac

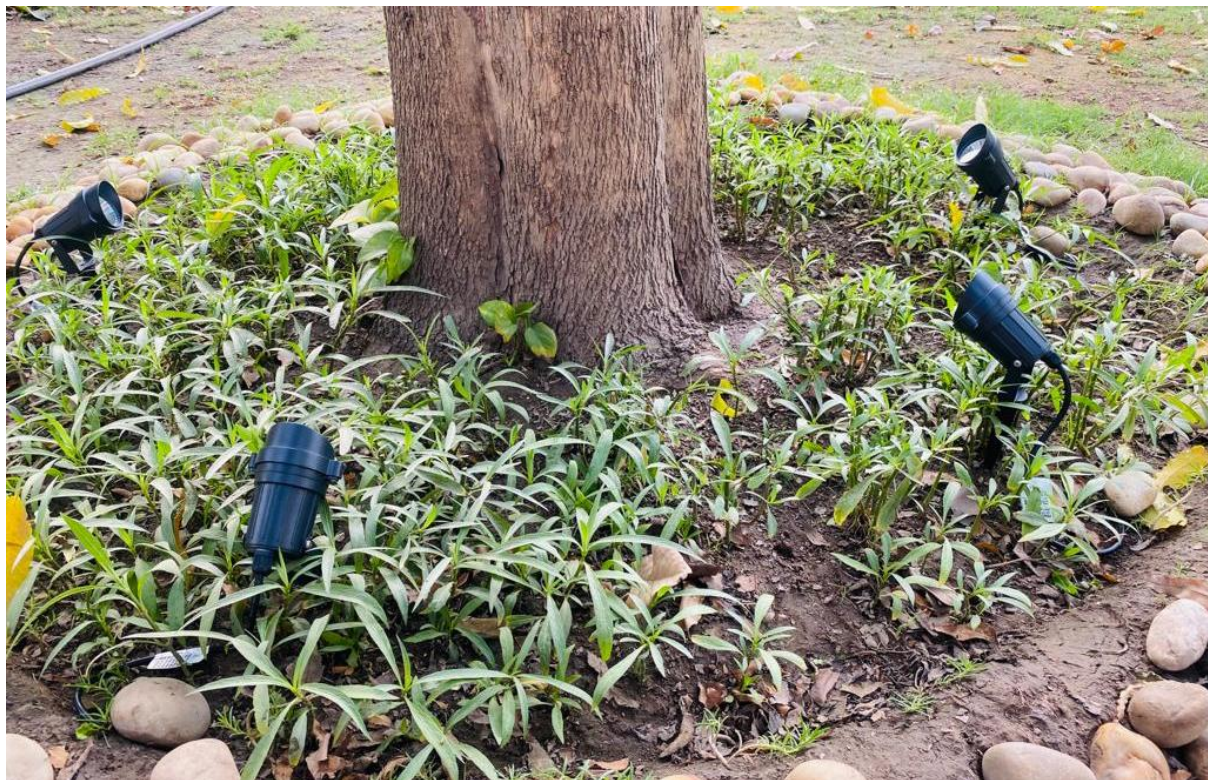
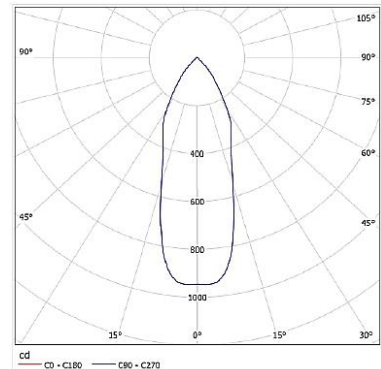
**RATING & EFFICACY**

Catalogue Reference	Wattage (W)	CCT (K)	CRI	System Efficacy (Lm/W)
PENZA - 5W	5W	3000	80	70
PENZA - 7W	7W	3000	80	70
PENZA - 9W	9W	3000	80	70
PENZA - 12W	12W	3000	80	70

- The system efficacy & power consumption (wattage) of the luminaire are the values at 25°C ambient temperature, as initially tested and are dependent on environmental conditions, like temperature and may vary with specific configurations. Efficacy values are subject to ±7% tolerance at rated voltage.
- Data subjected to change as we keep on adopting latest technologies to keep in sync with market, please consult us.
- Products for special application are also available, Please contact us for details.

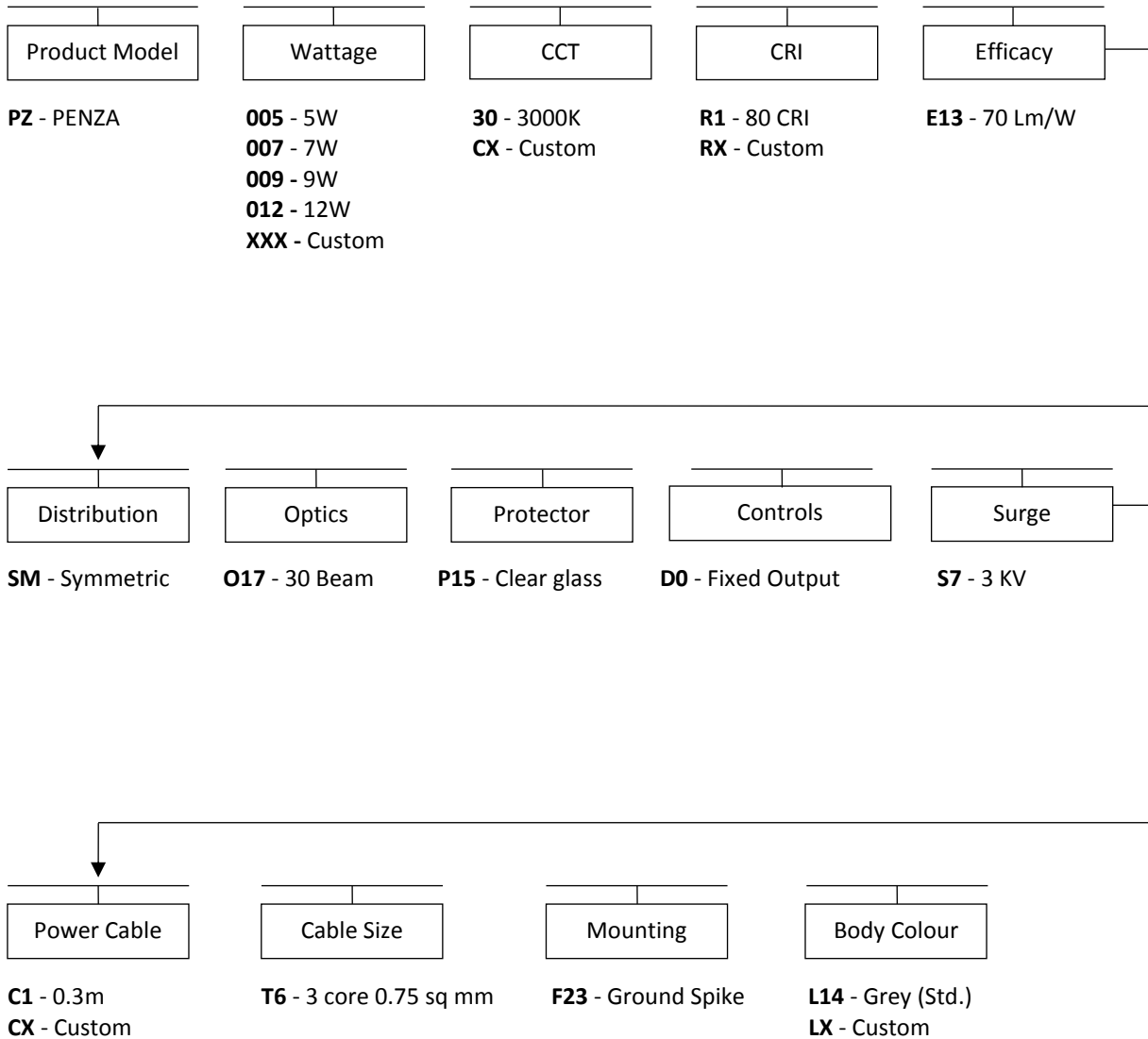
**Light Distributions**

- Excellent photometry for ambiance creation



**KESSELEC ORDERING CODE (KOC)**

**EXAMPLE:** PZ-009-30-R1-E13-SM-O17-P15-D0-S7-C1-T6-F23-L14



\* Custom requirement for each category is to be defined.