# Product description

## **1.1 Description**

Tree of light created with a threefold objective: targeting light downwards, energy efficiency and offering an optional number of luminaires at differing heights and positions. The high efficiency of the LED system affords excellent energy-efficiency, accurate control of emitted light, and the option to adjust the light according to the requirements of each project. Long useful life of over 60,000 hours.

### 1.2 Luminaire characteristics



## 1.3 Material and finishes

Extruded aluminium body with paint finish. Clamp and cap made of injection aluminium with paint finish.

Extruded aluminium interior heat sink with black anodised finish.

Tempered glass diffuser.

The tubular pole, available in differing diameters and heights, can be made as follows: Singlesection poles, height 4.70 m and 6.00 m, Ø 127 mm, made of hot-dip galvanised steel with paint finish. Two-section poles, height 8.20 m, lower section Ø 152 mm and upper section Ø 127 mm, both made of hot-dip galvanised steel with a paint finish for 5 luminaires at different heights.

Two-section poles joined by screws, height 8.20 m, lower section Ø 152 mm, made of hot-dip galvanised steel and painted, and upper section Ø 129 mm made of AISI 304 polished stainless steel.

Extruded aluminium	Extruded aluminium	Extruded aluminium
Painted	Painted	Painted
RAL 9006	RAL 9007	RAL 7024

The poles and clamps are manufactured with the same painted finish options as the luminaire.

**Design options** 



### 2.1 Connection



## 2.2 Pole configurations







Light unit



## 3.1 Lamp

Optical unit with LED technology with light distribution refractor lenses. Adjustable electronic fittings.







24 LED

Board

48 LED Board

B:
LED
configuration

Colour temperature (°K)	3000k (min.)	-CRI80	4000K (min.)	-CR170
nº LED	24	48	24	48
Operating current	350	350	350	350
(mA)	500	500	500	500
Nominal lamp power	23	46	23	46
(W)	33	66	33	66
System power	28	52	28	52
(W)	40	74	40	74
Luminaire luminous	2.313	4.438	2.804	5.248
flux (lm/W)	3.270	6.071	3.900	7.191
Luminaire efficacy	83	85	100	100
(Im/W)	82	82	98	97

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## 3.2 Light distribution



\* According to IESNA classification (Illuminating Engineering Society of North America)



Light unit	3.4 Programming options			
3	1-10 V system	Allows remote control of the luminous flux between 10% and 100% using an analogue signal (Vi≥8V: 100% / Vi≤1V:10%)		
	Dali system (Digital Adressable Lighting Interface)	This is a very reliable digital bi-directional system to regulate the luminous flux and receive data on the status of the light plates for maintenance purposes. The luminaires can be reprogrammed remotely using auxiliary devices to change the initial programming pattern.		
	Dynadimmer	The flow of light can be adjusted according to the time of day to save energy. An example of dimming with Dynadimmer: Until 11pm: luminaire function 100% 11pm to 5am: luminaire function 70% After 5am: luminaire function 90%		
	AmpDim (phase-cut dimming)	This type of dimming does not require an additional control line. A standard controller is connected between the power line and the electronic equipment. The voltage variation can control the flow between 1% and 100%.		