

DATA SHEET

PX800-T

PxArt+ 06 Track
PxArt+ 12 Track
PxArt+ 18 Track

Device description

PX800-T is a professional LED illuminator designed for illumination of museum exhibitions or displays. Thanks to the application of the most modern semiconductor SSL LED light sources and advanced control electronics, a high class illuminator was created which meets very high requirements for museum and exhibition lighting. Its most important advantages include a complete lack of ultraviolet radiation emission, trace amounts of infrared radiation, a very high factor of CRI color capturing, smooth adjustment of color temperature of emitted light, large brightness and small energy consumption. Modern electronics allowed to create a lamp that is devoid of the effect of "light vibration" (*flicker free* technology) in the full control range, which makes it useful in the television industry.

The device features a base which allows for mounting it in GLOBAL Trac® Pulse Control bus bars, provided with an additional control line.

Two individual addresses allocated to each lamp allow for independent adjustment of its brightness and color temperature, regardless of the settings of other lamps. Through push buttons located on the lamp casing it is possible to operate it manually (e.g. in case of connecting the lamp to bus bars without a control line).

Highly-effective LEDs made by Osram Oslon® are used in the lamp with an efficient control system, through which the lamp emits small amounts heat.

The lamp casing renders it possible to change the direction of its beacon in two axes.

Models available

Below is a description of the PX800-T model designations with their explanation:

PX800-T – AA – XX – Z

AA – version:	XX – beam angle	Z – housing colors:
06 – 6 LEDs	10 – 10°	1 – gray
12 – 12 LEDs	20 – 20°	2 – black
18 – 18 LEDs	30 – 30°	3 – white
	40 – 40°	
	EL* – elliptical lenses	
	WW** – Wall Washer	

* - not available for the PX800-T_06 lamp
** - not available for the PX800-T_06 and PX800-T_12 lamp

PxArt+ 06 Track



PxArt+ 12 Track

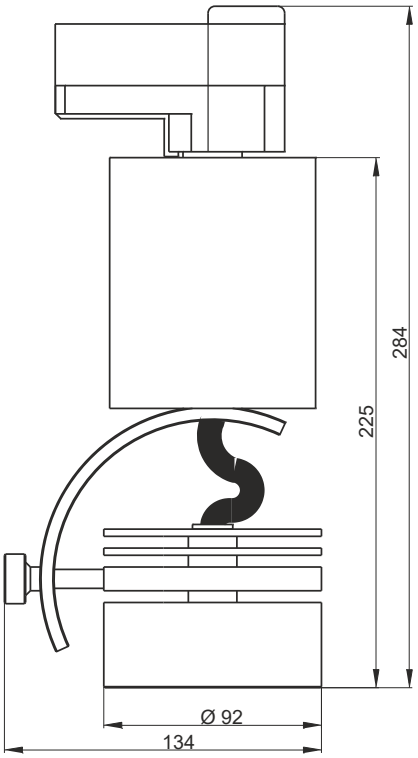


PxArt+ 18 Track

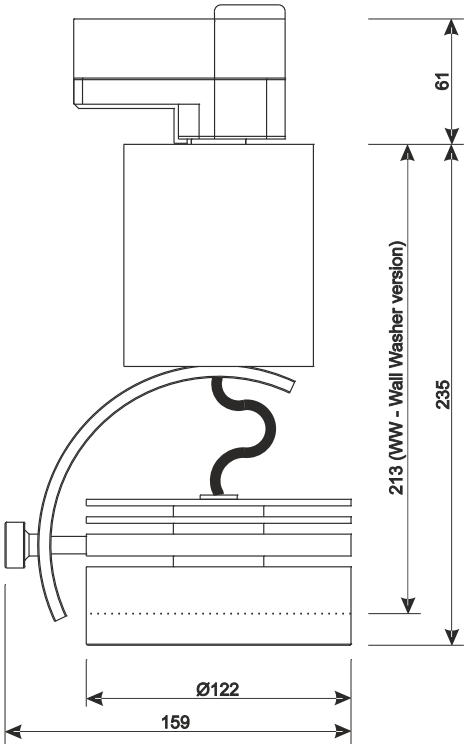


Technical drawing

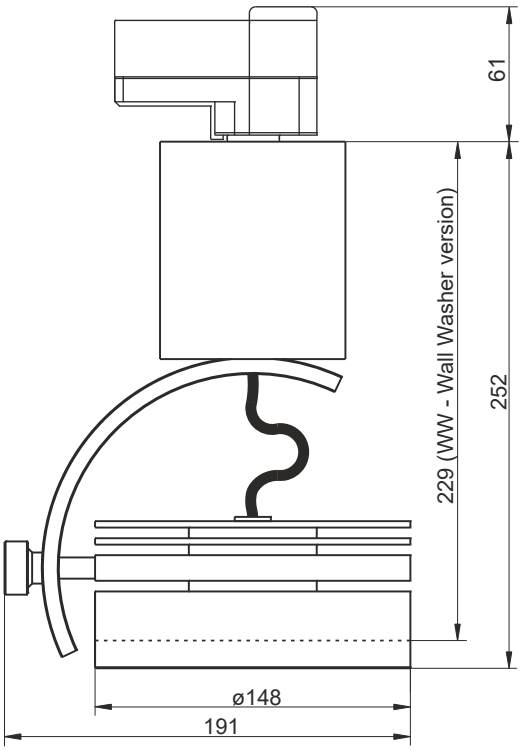
PxArt+ 06 Track



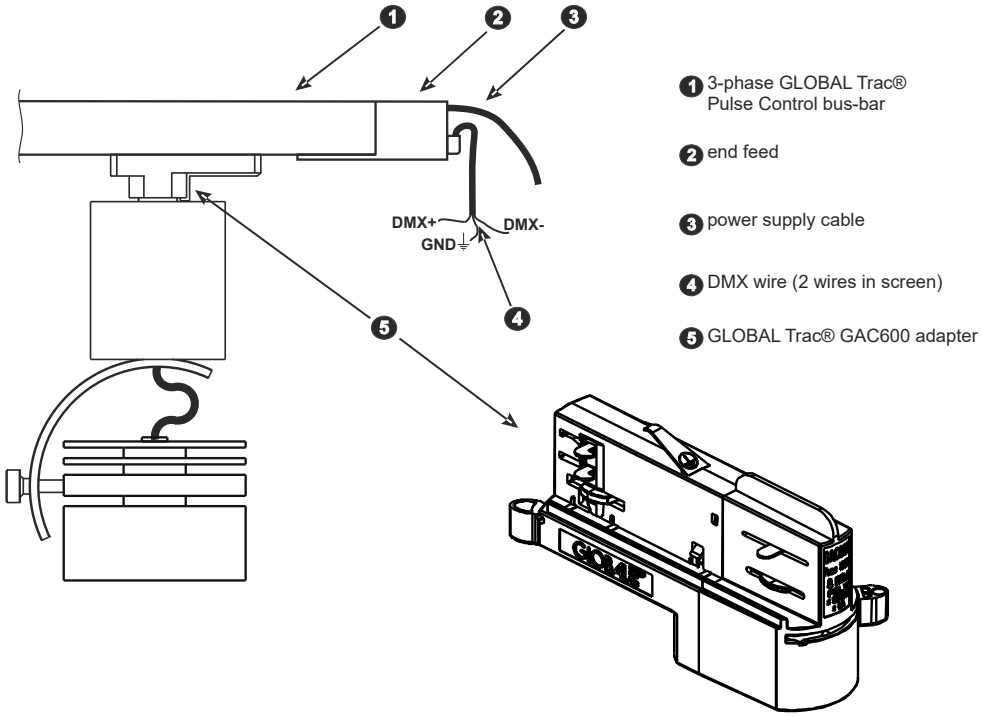
PxArt+ 12 Track



PxArt+ 18 Track



Connection diagram



1. 3-phase GLOBAL Trac® Pulse Control bus-bar
2. end feed
3. power supply cable
4. DMX wire (2 wires in screen)
5. GLOBAL Trac® GAC600 adapter

Technical data

type	PX800-T
power supply	230V AC
number of diodes	6 / 12 / 18
power consumption	PX800-T-06: 11W PX800-T-12: 20W PX800-T-18: 25W
max. temperature rise housing	+30°C
LEDs lifespan	50000h
beam angle	10°, 20°, 30°, 40°, EL* (10 x 45°), WW** (50 x 110°)
color temperature	2700 – 5000K
range of brightness adjustment	0 – 100%
CRI index	min. 90
control	DMX, RDM
programmable scenes	1
mounting	GLOBAL Trac® Pulse Control
available housing colors	gray, black, white
weight	PX800-T-06: 1.3kg PX800-T-12: 1.7kg PX800-T-18: 2.4kg
dimensions	height PX800-T-06: 225mm diameter PX800-T-06: 92mm height PX800-T-12: 235mm diameter PX800-T-12: 122mm height PX800-T-18: 252mm diameter PX800-T-18: 148mm

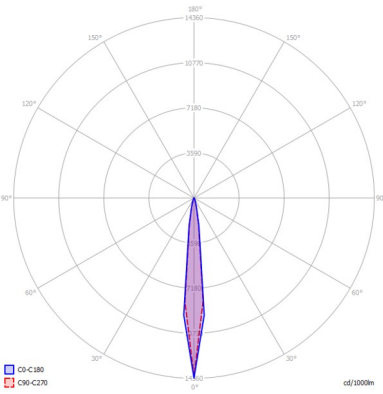
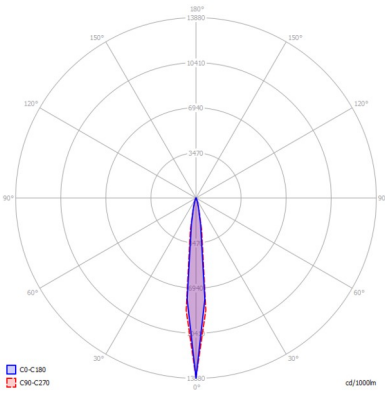
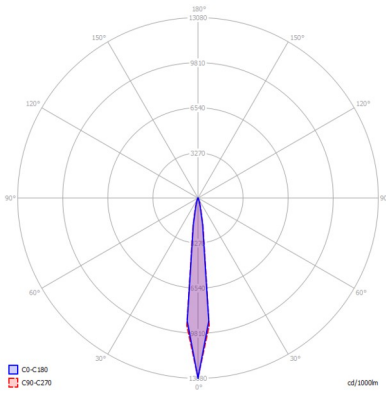
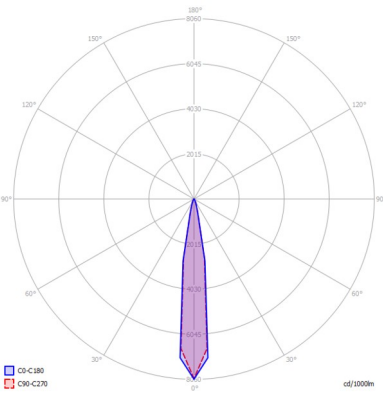
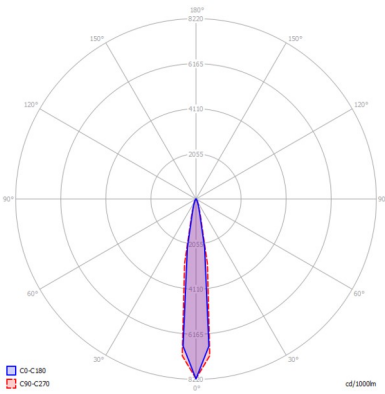
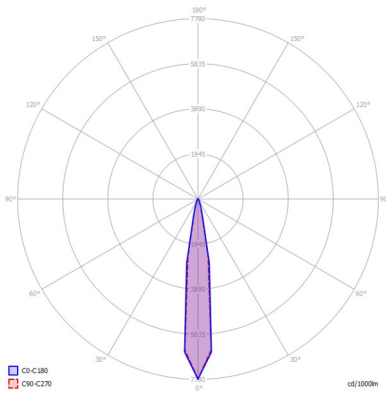
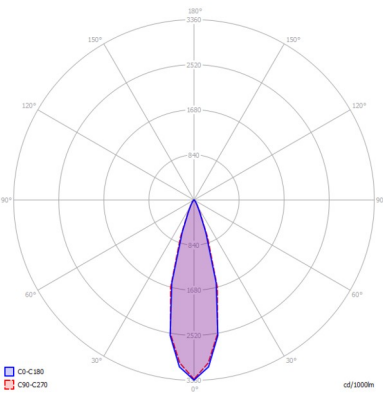
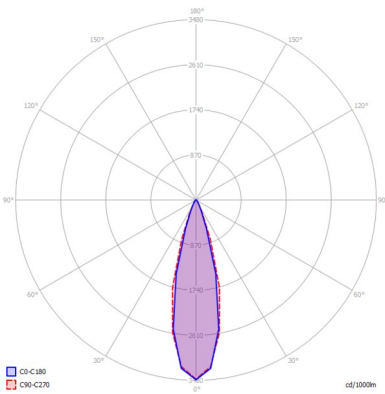
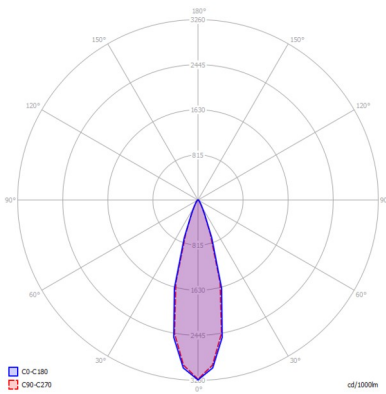
* - not available for the PX800-T_06 lamp

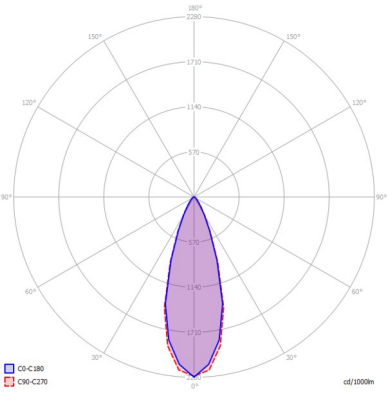
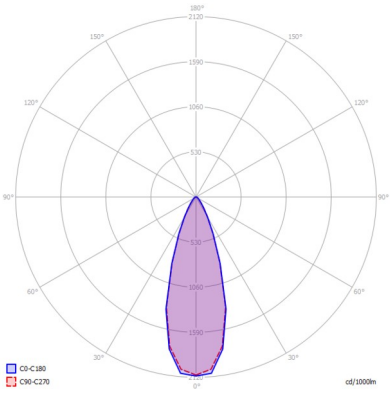
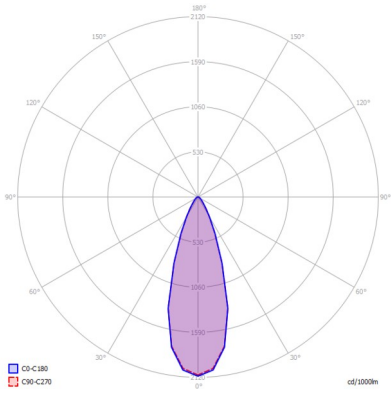
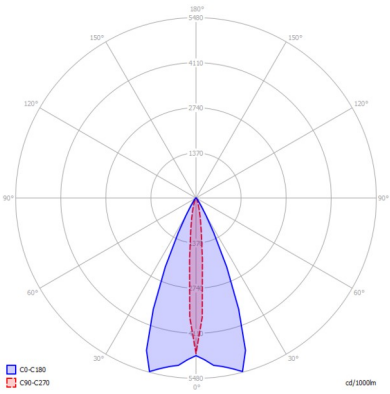
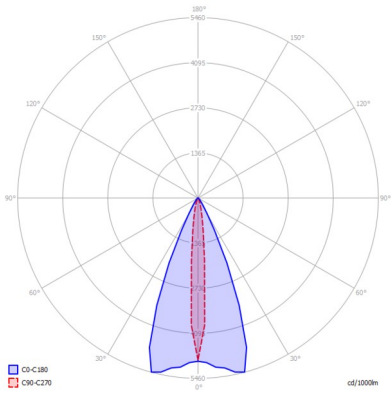
** - for a lamp equipped with WW (Wall Washer) optics the look of the reflector differs slightly (dimensions also) – not available for the PX800-T_06 and PX800-T_12 lamp

Lighting parameters

The table below shows the luminous flux of individual lamps and the lenses used in them **[lm]**:

	10°	20°	30°	40°	EL	WW
PX800-T_06	1259	1215	1165	1044	X	X
PX800-T_12	1825	1672	1613	1567	1550	X
PX800-T_18	2509	2453	2373	2187	2089	1940

	PX800-T_06	PX800-T_12	PX800-T_18
10°			
20°			
30°			

40°			
EL	X		
WW	X	X	