PXM®

DATA SHEET

PxArt+ 12

Catalog number: **PX391**

Spectral characteristics of emitted light

(graph: in intensity vs wave lenght (nm), x-axis 360 to 760 nm, y-axis 0,000 to 0,060)
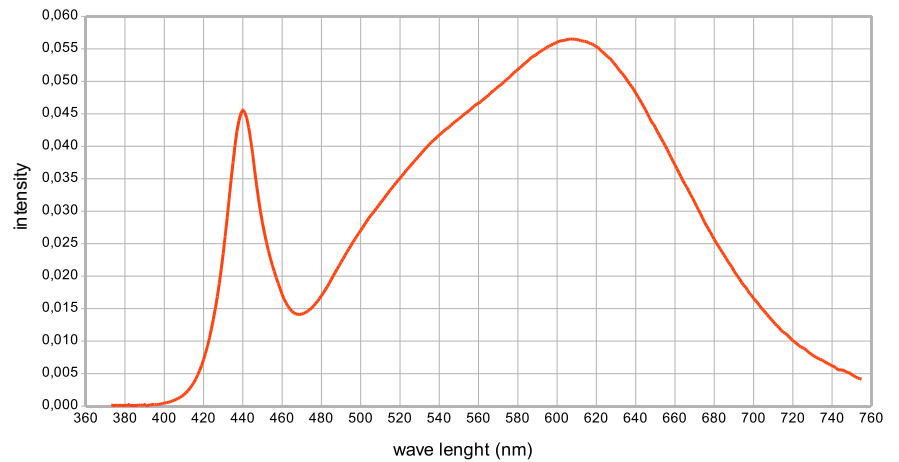
Product description

PxArt+ 12 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 colour capturing, smooth adjustment of colour temperature of emitted light, large brightness and small energy consumption.

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 colour 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 OsramOslon® are used in the lamp with an efficient control system, through which the lamp emits small amounts of heat.

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

Technical Data

Type:	PX391
Power:	230 V AC
Number of LEDs:	12
Power input:	17,5 W
Max. increase of the housing temp.:	+ 30° C
Luminous flux:	1200 lm
Lifetime of diodes:	50 000 h
Angles of reflectors:	10°, 20°, 30°, 40°, EL(10x45°), WW*(50x110°)
Colour temperature:	2700÷4500 K (6000 K on order)
Brightness regulation extension:	0÷100%
CRI colour rendering index:	min. 90
Control protocol:	DMX-512 / RDM
Available housing colours:	Grey, black and white
Weight:	1,65 kg
Dimensions:	Width: 159 mm Height: 235 mm Diameter of the reflector: 121,5 mm

### Manual control push buttons and lamp parameter setting socket

Parameter setting connection (using PX277)

Colour temperature adjustment

Brightness adjustment
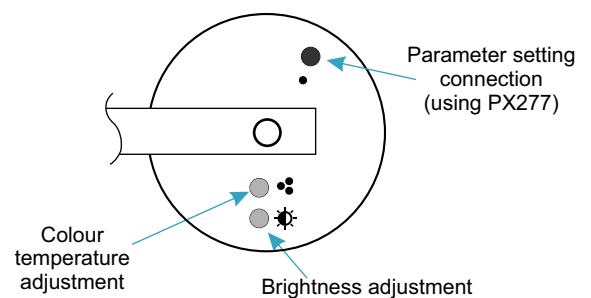
Programmed scenes:	1
Number of control channels:	2 (brightness and colour temperature)
Fixing:	GLOBAL Trac® Pulse control bus bar
Manual control:	yes
Signal control lamp DMX-512:	yes
Individual channel addressing function:	yes

*For the lamp equipped with the WW(Wall Washer) type optics, the light appearance and its dimensions differ slightly.
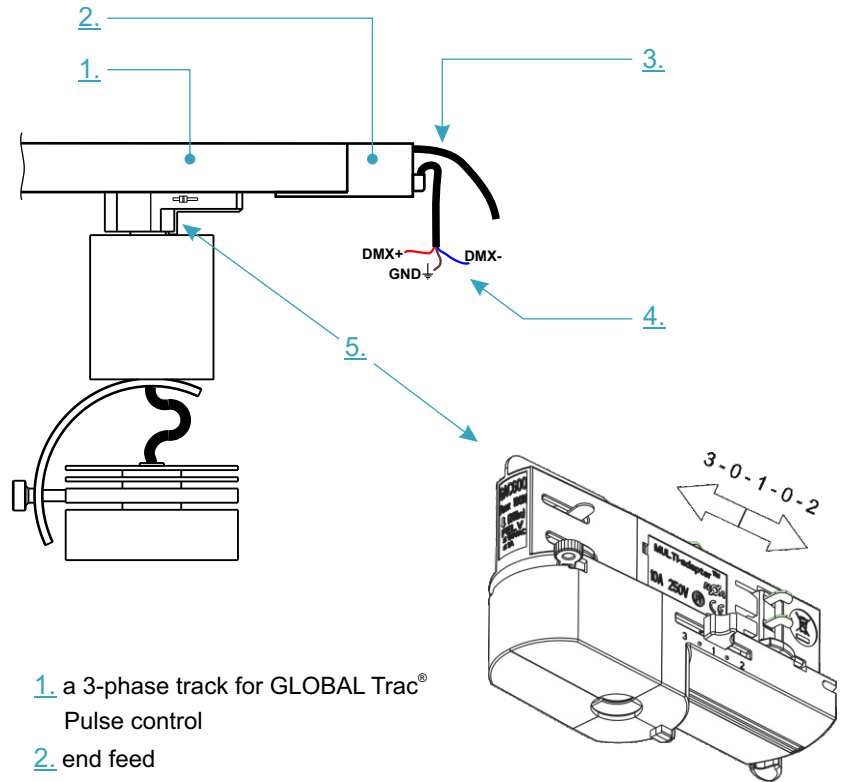
The lamp is also available in the RGB version on order.

Technical drawing

61

235

213 (version WW- wallwasher)

Ø121,5

159
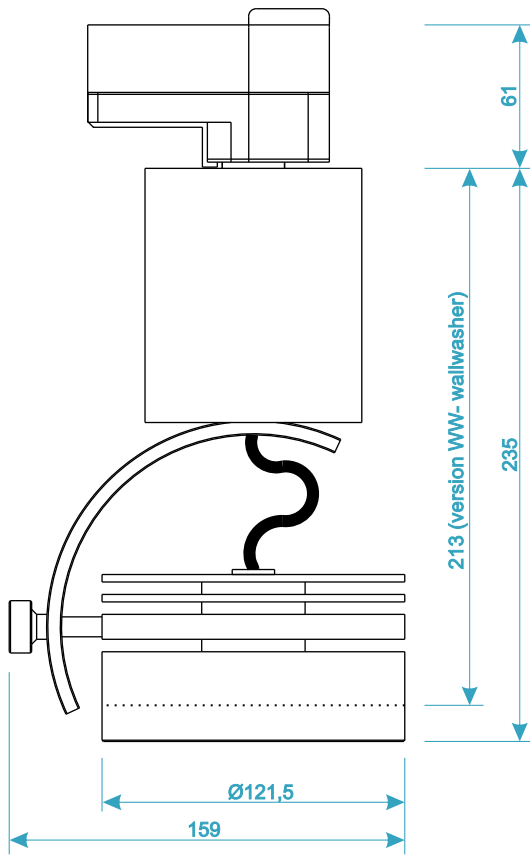
Dimensions in millimetres

Connection diagram

2.

1.

3.

4.

5.

DMX+   DMX-
GND

3 - 0 - 1 - 0 - 2

1. a 3-phase track for GLOBAL Trac® Pulse control
2. end feed
3. power cable
4. DMX cable (shielded cable, 2-core cable)
5. GLOBAL Trac GAC 600 adapter

Angles of luminous flux distribution

Light parameters:

Beaconing angle

10°

2350 lx
ø0,53m

5050 lx
ø0,35m

19300 lx
ø0,18m

20°

1070 lx
ø1,05m

2350 lx
ø0,7m

9200 lx
ø0,35m

3m

2m

2m

1m

1m

30°

480 lx
ø1,59m

980 lx
ø1,06m

4700 lx
ø0,53m

40°

220 lx
ø2,19m

450 lx
ø1,46m

1820 lx
ø0,73m

3m

2m

2m

1m

1m