



# Arano – light box

## Arano TPS640/642/644

Arano is a range of luminaires for TL5 fluorescent lamps and LED light sources, featuring Philips' micro-optics. The patented micro-optic with 3D lamellae combines a miniaturist design with optimum performance in terms of light distribution, visual comfort and efficiency. And it is fully in compliance with the latest office-lighting norm (EN12464-1). Surface-mounted, suspended, free-standing and wall-mounted versions are available – some with direct/indirect lighting – to create a bright, welcoming ambience. Multiple Arano luminaires can be linked to create line arrangements.

### Benefits

- Miniaturist design with optimum performance in terms of light distribution, visual comfort and efficiency
- Creates a bright, welcoming ambience with surface-mounted, suspended, free-standing and wall-mounted versions, some with direct/indirect lighting
- Complies fully with the latest office-lighting standards

### Features

- Miniaturist design
- TL5 fluorescent lamps
- Micro-optic with 3-D lamellae
- Fully compliant with office-lighting standard EN12464-1
- Mounting individually or in lines

### Application

- Offices
- Department stores

### Specifications

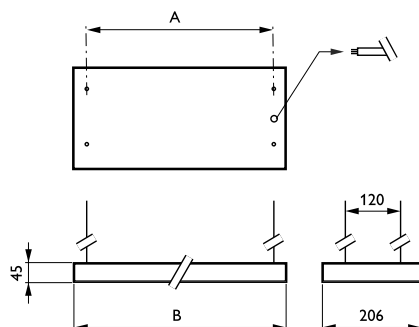
Type	TPS640 (direct lighting)
	TPS642 (direct 70% / indirect 30%)
	TPS644 (direct 30% / indirect 70%)

Light source	Fluorescent:
	- 1 x or 2 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W
Lamp included	Yes (lamp color 830 or 840)
	No

<b>Gear</b>	Electronic, 220 - 240 V / 50 - 60 Hz: - High Frequency Performer (HFP) - High Frequency Regulator, DALI (HFD) - High Frequency Regulator (HFR) - High Frequency Regulator, touch-switch (HFD-T)
<b>Housing configuration (for line arrangements)</b>	Line end (LE), for ending a line Line feature phase 1 (LF), for insertion in a line
<b>Optic</b>	High-gloss optic, 3D micro-lamellae, very high-reflective (C8-VH) High-gloss optic, 3D micro-lamellae (C8) Semi-high-gloss optic, 3D micro-lamellae, very high-reflective (D8-VH) Semi-high-gloss optic, 3D micro-lamellae (D8) Matt mirror, ribbed cross louvers (M2)
<b>Optical cover</b>	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)
<b>Option</b>	Emergency lighting: 3 hours (EL3) Lighting controls: - ActiLume multi controller (ACL) - Luxsense daylight controller micro (LXM) Euro fuse (FU) included

<b>Material</b>	Housing: natural anodized aluminum (ALU) or in white (WH) End caps: natural anodized aluminum (ALU) or in white (WH) Optic: aluminum Optical cover: - AC-MLO: PMMA, PC-MLO: polycarbonate
<b>Installation</b>	Individual or in line; suspended mounting with a set of two double steel-wire suspensions (SMS) or with a set of two single steel-wire suspensions, both with metal-like power cord, 150 cm, and ceiling caps
<b>Remarks</b>	MLO optic ensures optimum light distribution and full glare control in all viewing directions compliant with the current norm for indoor working places (EN12464-1, UGR < 19, L < 1000 cd/m) Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring

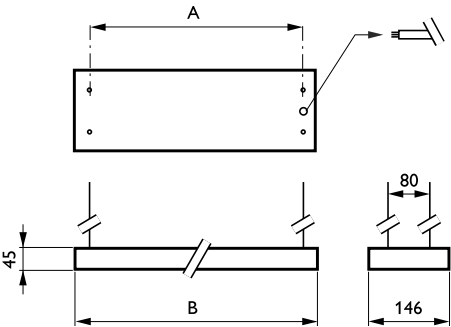
## Dimensional drawing



Product
TPS640 2x35W/840 HFP M2 SMS WH
TPS642 2x28W/840 HFP AC-MLO SMS WH
TPS642 2x28W/840 HFP D8 SMS WH
TPS640 2x35W/840 HFP C8 SMS WH
TPS642 2x35W/840 HFP C8 SMS WH
TPS642 2x35W/840 HFP D8 SMS ALU
TPS642 2x28W/840 HFP M2 SMS ALU
TPS640 2x28W/840 HFP AC-MLO SMS WH
TPS642 2x35W/840 HFP M2 SMS WH
TPS640 2x35W/840 HFP AC-MLO SMS WH
TPS640 2x35W/840 HFP M2 SMS ALU
TPS642 2x35W/840 HFP AC-MLO SMS WH
TPS640 2x35W/840 HFP D8 SMS WH
TPS642 2x35W/840 HFP D8 SMS WH
TPS640 2x28W/840 HFP M2 SMS WH
TPS640 2x35W/840 HFP D8 SMS ALU
TPS640 2x28W/830 HFP AC-MLO SM2 ALU
TPS640 2x28W/840 HFP D8 SMS WH
TPS640 2x28W/840 HFP M2 SMS ALU
TPS640 2x28W/840 HFP C8 SMS WH
TPS642 2x28W/840 HFP C8 SMS WH

# Arano TPS640/642/644

## Dimensional drawing

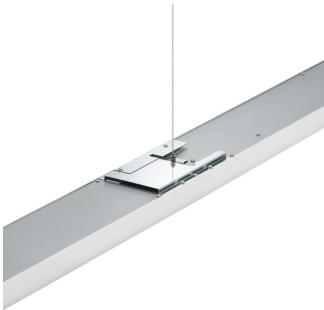


Product
TPS640 1x35W/840 HFP D8 SMS WH
TPS642 1x35W/840 HFP D8 SMS WH
TPS640 1x35W/840 HFP D8 SMS ALU
TPS640 1x35W/840 HFP AC-MLO SMS ALU
TPS640 1x35W/840 HFP C8 SMS WH
TPS642 1x35W/840 HFP D8 SMS ALU
TPS642 1x35W/840 HFP C8 SMS WH
TPS640 1x35W/840 HFP M2 SMS WH
TPS642 1x35W/840 HFP AC-MLO SMS WH

## Product details



Arano suspended luminaires can be connected in a line arrangement. Dedicated line luminaires are available



Arano suspended luminaires can be connected in a line arrangement



Double-steel-wire suspension set with ceiling fixation and ceiling caps (SMS). Fast fine adjustment can be performed with a clutch device. A metal-like power cord is included



Set of two single-steel-wire suspensions with ceiling fixation (SM2). One ceiling cap is included for the metal-like power cord

