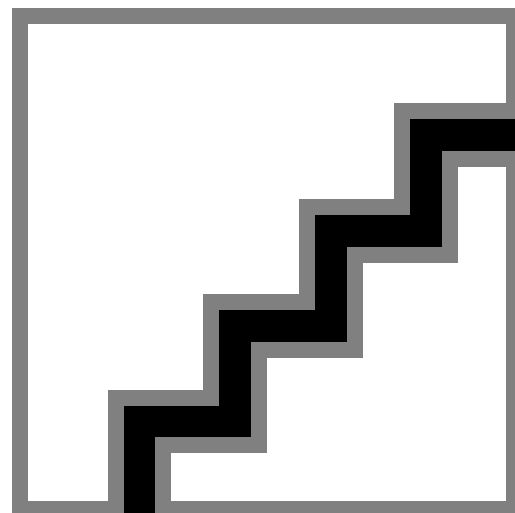




Arano – light box

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

Arano TPS640/642/644

Gear	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)
Housing configuration (for line arrangements)	Line end (LE), for ending a line
	Line feature phase 1 (LF), for insertion in a line
Optic	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)
Optical cover	Acrylate micro lens optic (AC-MLO)
	Polycarbonate micro lens optic (PC-MLO)
Option	Emergency lighting: 3 hours (EL3)
	Lighting controls:
	- ActiLume multi controller (ACL)
	- Luxsense daylight controller micro (LXM)
	Euro fuse (FU) included

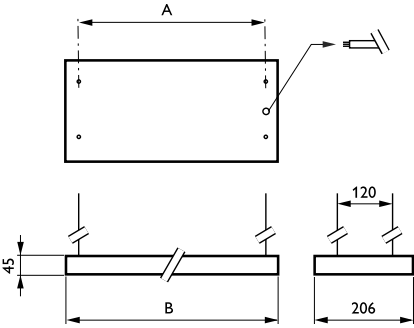
Material	Housing: natural anodized aluminum (ALU) or in white (WH)
	End caps: natural anodized aluminum (ALU) or in white (WH)
	Optic: aluminum
	Optical cover:
	- AC-MLO: PMMA, PC-MLO: polycarbonate
Installation	Individual or in line; suspended mounting with a set of two double steel-wire suspensions (SMS) or with a set of two single steel-wire suspensions, both with metal-like power cord, 150 cm, and ceiling caps
Remarks	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

Versions



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with high-gloss optic with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

Dimensional drawing

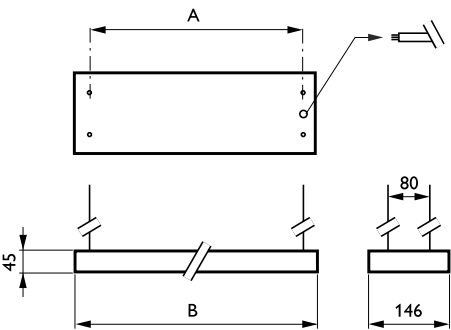


Product
TPS642 2x49W/840 HFP C8-VH SMS ALU
TPS642 2x49W/840 HFP M2 SMS ALU
TPS642 2x49W/840 HFP D8 SMS ALU
TPS642 2x49W/840 HFP C8 SMS ALU
TPS642 2x35W/840 HFP AC-MLO FU SMS ALU
TPS642 2x35W/840 HFP M2 FU SMS ALU
TPS642 2x35W/840 HFP D8-VH SMS ALU
TPS642 2x35W/840 HFP C8-VH SMS ALU
TPS642 2x28W/840 HFP AC-MLO FU SMS ALU
TPS642 2x28W/840 HFP M2 FU SMS ALU
TPS642 2x28W/840 HFP D8 FU SMS ALU
TPS642 2x28W/840 HFP D8-VH SMS ALU
TPS640 2x35W/840 HFP D8 SMS ALU
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TPS642 2x28W/840 HFR C8 SMS WH
TPS642 2x28W/840 HFP C8 SMS WH
TPS640 2x35W/840 HFP PC-MLO SMS ALU
TPS640 2x28W/840 HFP PC-MLO SMS ALU
TPS640 2x35W/840 HFP M2 SMS ALU
TPS642 2x49W/830 HFP D8-VH SMS ALU
TPS640 2x35W/830 HFP AC-MLO SMS ALU
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TPS640 2x35W/830 HFP D8-VH SMS ALU
TPS642 2x28W/840 HFP AC-MLO SMS WH
TPS640 2x35W/840 HFP AC-MLO SMS ALU
TPS640 2x28W/840 HFP AC-MLO SMS ALU
TPS640 2x35W/840 HFP AC-MLO SMS WH
TPS640 2x28W/840 HFP AC-MLO SMS WH

Dimensional drawing

Product
TPS642 2x54W/830 HFR M2 SM2 ALU
TPS642 2x54W/830 HFR D8 SM2 ALU
TPS642 2x54W/830 HFP AC-MLO SM2 ALU
TPS642 2x54W/830 HFP D8 SM2 ALU
TPS642 2x28W/830 HFR AC-MLO SM2 ALU
TPS642 2x28W/830 HFR M2 SM2 ALU
TPS642 2x28W/830 HFR D8 SM2 ALU
TPS642 2x28W/830 HFP AC-MLO SM2 ALU
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TPS642 2x49W/830 HFP M2 SMS ALU
TPS642 2x49W/830 HFP D8 SMS ALU



Product
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TPS640 1x28W/840 HFP M2 SMS ALU
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TPS642 1x28W/830 HFR D8 SM2 ALU

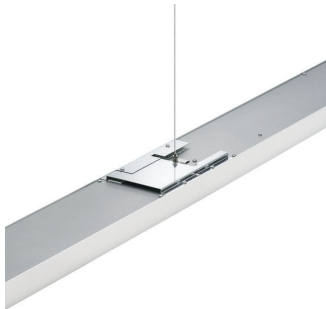
Dimensional drawing

Product
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TPS640 1x54W/830 HFR AC-MLO SM2 ALU
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Product details



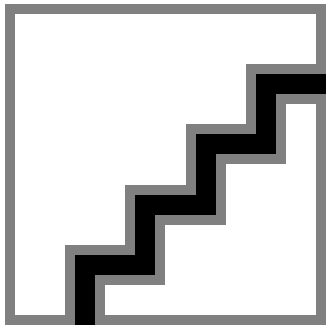
Arano suspended luminaires can be connected in a line arrangement. Dedicated line luminaires are available



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



Miniaturized controls (ActiLume) can be integrated into the micro optics with lamellae

Operating and Electrical

Input Voltage	230 to 240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class I
Emergency lighting	-
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Gear	HFP
Kombipack	Lamp(s) included
Lamp family code	TL5
Embedded control	-
Number of light sources	2 pcs
Product Family Code	TPS642

Mechanical and Housing

Color	Aluminum
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Approval and Application

Order Code	Full Product Name	Ingress protection code
910501238903	TPS642 2x28W/840 HFP PC-MLO SMS ALU	IP40
910501275003	TPS642 2x28W/840 HFP AC-MLO SMS ALU	IP40
910501324703	TPS642 2x54W/840 HFP C8 SMS ALU	IP20

General Information

Order Code	Full Product Name	Optical cover/lens type	Glow-wire test	Lamp power	Optic type
910501238903	TPS642 2x28W/840 HFP PC-MLO SMS ALU	Polycarbonate micro lens optic	Temperature 850 °C, duration 5 s	28 W	-
910501275003	TPS642 2x28W/840	Acrylate micro-lens optic	Temperature 650 °C, duration 5 s	28 W	-

Order Code	Full Product Name	Optical cover/lens type	Glow-wire test	Lamp power	Optic type
	HFP AC-MLO SMS ALU				
910501324703	TPS642 2x54W/840 HFP C8 SMS ALU	-	Temperature 850 °C, duration 5 s	54 W	High-gloss optic 3D micro-lamellae

