



Suspended and
surface-mounted luminaires

Selection guide – Suspended and surface-mounted luminaires

Luminaire family	Product range	Page	Mounting			Light distribution	
			Suspended 	Surface-mounted 	Free standing	Direct 	Direct/indirect 
Strato 	TPH710	3.10		•		•	
Savio 	TPS760/762/764	3.18	•			•	•
	TPS770/772	3.20	•			•	•
	TCS760	3.22		•		•	
	TCS770	3.24		•		•	
Rotaris 	TPS740/745	3.28	•				•
	TCS740	3.30		•		•	
Celino 	TPS680/682	3.34				•	•
	TCS680	3.38		•		•	
Arano 	TPS640/642/644	3.42	•			•	•
	TPS646, Nordic	3.54	•				•
	TCS640	3.48		•		•	
	TCS649, asymmetric	3.52		•			
ThinMark 	TPS580	3.58	•			•	
X-tendolight 	TPS498	3.62	•			•	•
	TCS398 195 mm wide	3.68	•	•		•	
	TCS398 311 mm wide	3.74	•			•	
	TCS398 CLL	3.73	•	•		•	•
	TCS398 Square	3.76		•		•	
	FCS398 Square	3.92		•			
EFix 	TPS262	3.82	•				•
	TCS260	3.86	•	•		•	•
TCS257 	TCS257	3.90		•		•	
Finess 	TCS198	3.96		•		•	

Product range	Light distribution			Number of lamps	Lamps			
	Indirect 	Asymmetric 	Double asymmetric 		Fluorescent			Compact fluorescent
					TL5 	TL5-C 	TL-D 	PL-L 
Strato								
TPH710				4x2, 4x3	•			
Savio								
TPS760/762/764				2,4	•			
TPS770/772				3,6	•			
TCS760				2,4	•			
TCS770				3,6	•			
Rotaris								
TPS740/745				1		•		
TCS740				1		•		
Celino								
TPS680/682				1,2	•			
TCS680				1,2	•			
Arano								
TPS640/642/644				1,2				
TPS646, Nordic				3	•			
TCS640				1,2,3,4	•			
TCS649, asymmetric		•		1,2	•			
ThinMark								
TPS580				1,2	•			
X-tendolight								
TPS498				1,2	•		•	
TCS398 195 mm wide		•	•	1	•		•	
TCS398 311 mm wide			•	2	•		•	
TCS398 CLL			•	1,2	•		•	
TCS398 Square				3,4	•		•	
FCS398 Square				2,3				•
EFix								
TPS262				1,2	•			
TCS260				1,2	•			
TCS257								
TCS257				2,3,4	•			
Finess								
TCSI98				1,2			•	

Selection guide – Suspended and surface-mounted luminaires

Luminaire family	Product range	Page	Mounting		Free standing	Light distribution		
			Suspended 	Surface-mounted 		Direct 	Direct/indirect 	
Centura2								
	TCS160	3.102		•		•		
Modella								
	TCS125	3.106		•		•		
TCS147								
	TCS147	3.108		•		•		
TCS047								
	TCS047	3.110		•		•		
SuperOmni								
	TCH481	3.112	•	•		•		
Wall-mounted luminaires								
Savio								
	TWS760	3.116		•				
Arano								
	TWS640	3.120		•				
Celino								
	TWS680	3.122		•				
Free floor-standing luminaires								
Savio								
	FFS764	4.4			•		•	
	TFS764	4.4			•		•	
Arano								
	FFS644	4.8			•		•	
	TFS644	4.8			•		•	
Celino								
	FFS684	4.12			•		•	

Product range	Light distribution			Number of lamps	Lamps			
	Indirect 	Asymmetric 	Double asymmetric 		Fluorescent			Compact fluorescent
					TL5 	TL5-C 	TL-D 	PL-L 
Centura2								
TCSI60				1,2,4			•	
Modella								
TCSI25				1,2	•		•	
TCSI147								
TCSI47				2,4			•	
TCS047								
TCS047				2,4			•	
SuperOmni								
TCH481		•		2,4	•		•	•
Wall-mounted luminaires								
Savio								
TWS760				2	•			
Arano								
TWS640				1	•			
Celino								
TWS680				1	•			
Free floor-standing luminaires								
Savio								
FFS764				3				•
TFS764				3,4	•			
Arano								
FFS644				2,3				•
TFS644				4	•			
Celino								
FFS684				2				•



Philips MASTER TL5 – the perfect fit every time

Philips invented the T5 fluorescent concept in the 1990s, making Philips MASTER TL5 lamps the original 16 mm lamps. Philips has MASTER TL5 lamps to suit every application, as well as an extensive portfolio of MASTER TL5 luminaires, gear and controls.

MASTER TL5 lamps are operated on HF gear and offer the following benefits:

- up to 28% less energy consumption than T8 lamps on electromagnetic gear
- maximum energy efficiency: up to 104 lm/W
- very good color rendering
- long life of 19,000 hours (10% failure rate).

For a complete overview of all our MASTER TL5 lamps, we refer to page 12.14.



Best environmental choice

Environmentally, Philips MASTER TL5 lamps and gear offer the highest energy efficiency for fluorescent lighting, resulting in the lowest CO₂ emissions. All products are RoHS-compliant. MASTER TL5 lamps use less glass, metal and packaging, and their lower weight offers transport and recycling benefits.

www.philips.com/mastertl5



Innovative luminaires

Philips has a history of innovative advances in optic design, including the renowned OLC (Omni-directional Luminance Control) optics introduced at the time of the launch of the MASTER TL5 lamp. Continuing this tradition, our latest luminaires feature OLC micro optics. These allow luminaires to be miniaturist in design, with optimum performance in terms of light distribution, visual comfort and efficiency.



Lighting controls for MASTER TL5 lamps

Philips offers control systems that switch the lights off when an area is vacated and/or react to the level of daylight by adjusting the artificial light.



MASTER TL5 lamps with Philips electronic (HF) gear

By using Philips TL5 electronic (HF) gear you can be sure that the lamp and gear work perfectly together, because they have been designed, developed, tested and optimized for each other. (HF) gear maximizes energy savings, improves user comfort by eliminating start-up flicker and strobe effects, improves safety with over-voltage detection and extends lamp life.



Philips ActiViva – get activated

Good lighting doesn't only enable us to see, it also affects how we feel. On dull, dark days, the absence of bright light can dampen our mood and make us feel as miserable as the weather. But a ray of sunshine is sometimes all it takes to lift our spirits and make us feel invigorated. For several years now we've been working with leading universities to understand the highly complex relationship between light and well-being.

This has led to the development of Philips ActiViva lamps. These revolutionary new lamps contain an optimized amount of blue light and in this way make people feel more energized. So instead of feeling tired, people are able to stay alert and focused to concentrate on the task at hand..

ActiViva Natural lamps

provide natural, cool light that contains 25% more blue light than existing cool-daylight lamps, and combine well with other light sources in existing installations. They are available in TL5 and TL-D versions.

**ActiViva Active lamps**

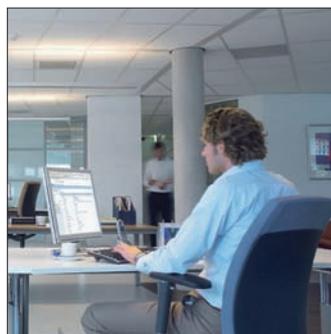
are available in TL5 and provide extremely cool light with 85% more blue light than current cool-daylight lamps. Due to the high blue light content, these lamps can create a real sky effect.

All types are retro-fittable into existing fittings, making them quick and easy to install.

www.philips.com/activiva



With Philips ActiViva lamps



With traditional lamps

**MASTER TL5 ActiViva****Active and Natural**

- 24 W, 49 W and 54 W
- Colour Rendering Index >80
- Lumen output:
 - 24 W: 1650
 - 49 W: 4100
 - 54 W: 4250

**MASTER TL-D ActiViva****Natural**

- 18 W, 36 W and 58 W
- Colour Rendering Index >80
- Lumen output:
 - 18 W: 1300
 - 36 W: 3250
 - 58 W: 5000

Strato



Strato – my sky

Strato is a modular light ceiling that brings the natural, appealing dynamic of daylight – with its changing color temperatures – into shops, offices and other public areas. It also offers dynamic constellations of color for imaginative, dedicated lighting ambiances. With its discreet design and high-quality materials, this light ceiling integrates harmoniously with the interior architecture.

The 1200 x 1200 mm Strato module has a translucent PMMA cover with an integrated patented diffuser to create a virtually homogeneous luminous surface. The cover can be suspended via a damped spring locking system to facilitate easy maintenance. Multiple Strato modules can be connected.

Strato's modularity enables it to be tailored to the specific layout of the space and to adapt to any subsequent changes to that layout. And its minimal depth (165 mm) means that it can be used in rooms with relatively low ceilings. Strato can be suspended or wall-mounted.

Strato comes in two versions:

Strato Sky features 4 x 2 x TL5 28 W lamps and light colors 827 and 865 for color mixing.

Strato Rainbow features 4 x 3 x TL5 28 W lamps and light colors red, green and blue for color mixing.

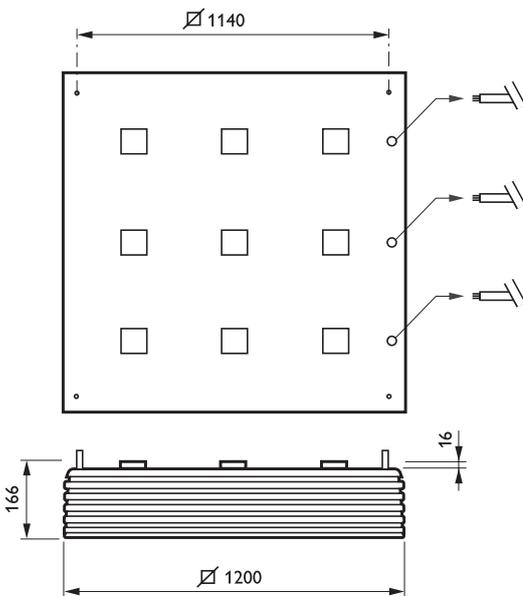
www.philips.com/lighting

Strato	
Type	TPH710
Light source	Fluorescent: Sky version: 4 x 2 x MASTER TL5 / G5 / 28 W Rainbow version: 4 x 3 x TL5 / G5 / 28 W
Lamp included	Yes (lamp color RGB or 827/865)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Regulator (HFR) or DALI (HFD)
Option	Lighting controls: customized solutions possible

Material	Housing: sides from extruded aluminum profiles, steel top cover Cover: two layer PMMA (with integrated diffuser) Optics: high-purity aluminum mirrors
Installation	Surface (wall or ceiling): screw mounting Suspended: with various suspension sets Luminaire modules can be connected to one another with mounting accessories
Accessory	Suspension sets, mounting brackets
Remarks	Cover can be suspended via a damped spring locking system (easy maintenance)
Main applications	Shopping malls, areas with missing daylight, office, hospitality



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TPH710



Strato TPH710, modular lighting panel with a translucent acrylate cover with an integrated diffuser

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPH710 12xTL5-28W/RGB HFD	33.40	213511 00
TPH710 12xTL5-28W/RGB HFR	33.40	213528 00
TPH710 8xTL5-28W/827/865 HFD	31.60	213535 00
TPH710 8xTL5-28W/827/865 HFR	31.60	213542 00

Please contact your local Philips representative for additional configurations

Accessories

Product ID	EOC
ZPH710 MB-SW (4PCS)	214044 00
ZPH710 CP-SW (2PCS)	214051 00
ZPH710 CPL-SW	214075 00
ZPH710 SMB (4PCS)	214082 00
ZPH710 CPX-SW	214068 00

The cover can be suspended via a damped spring locking system to facilitate maintenance.



Savio TPS760/762/764/770/772, TCS760/770



Savio – pure light

Featuring Philips' patented micro-lens optic technology, Savio is a complete luminaire range that offers the ideal combination of stylish design and optimum performance for both task and general lighting.

Savio has an edge-to-edge lighting appearance with a uniform and comfortable brightness impression – a real 'surface of light'. The micro-lens optic consists of a single plate and is embedded in a housing made of high-quality natural anodized aluminum. Savio ensures optimum light distribution and full glare control in compliance with the latest office-lighting norm (EN 12464-1).

Savio luminaires with Dynamic Lighting keep us feeling active by creating dynamic artificial light that varies over the course of the day or is set according to personal preference.

Savio is available as a full range: suspended, surface-mounted, recessed, free-standing and wall-mounted.

www.philips.com/lighting

Savio surface-mounted



Savio free floor-standing



Savio wall-mounted



Savio suspended



Savio recessed



Set of four single steel-wire suspensions with ceiling fixation (SM4). A separate ceiling cap is included for the metal-like power cord. The set is delivered along with the square luminaire versions.



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. The set is delivered along with the rectangular luminaire versions.





Savio – surface of light

Besides outstanding lighting performance, aesthetic appeal and architectural integration were key drivers in the development of Savio. The patented micro-lens optic provides a uniform light distribution, ensuring an even and comfortable brightness impression. Completing the effect of an edge-to-edge 'surface of light', the micro-lens optic is secured by a translucent rim around the luminaire.

Savio's design also allows multiple luminaires to be connected in a line or block arrangement, ensuring maximum freedom in application and configuration.

Micro-lens optic

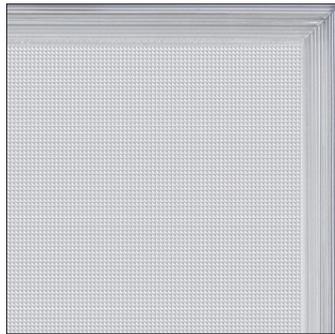
With the new patented micro-lens optic (MLO), the lamps are not directly visible and full glare control from all viewing angles is a reality (Omnidirectional Luminance Control, OLC). The micro-lens optic is highly efficient and meets the latest office standards: $L_m < 1000 \text{ cd/m}^2$ in all viewing directions at $\gamma \geq 65^\circ$ and $UGR_r < 19$ (EN 12464-1).

This means no disturbing glare on PC or laptop screens, regardless of where they are positioned in the room.

The micro-lens optic provides a uniform light distribution, ensuring an even and comfortable brightness impression – a real 'surface of light'. The micro-lens optic is secured by a translucent rim around the luminaire.

The patented micro-lens optic design uses conical lenses with inverted tops that are positioned in a square array for the best possible glare control. The optic fully justifies the designation 'micro' since there are over 35 high-precision lenses per square centimeter.

Edge-to-edge lighting



The principle



The cone



The trend towards multi-skilled knowledge workers and flattening hierarchies will transform tomorrow's office. Office spaces will take on a more social role of bringing knowledge workers together in physical proximity. They will be places where people come together to think, communicate and create. This vision has driven the design and development of Savio, with freedom in application and configuration being a key objective. Its design allows multiple luminaires to be connected in a line or block arrangement.

Line arrangement



Block arrangement



Savio	
Type	TPS760 (direct lighting, standard version) TPS762 (direct 70% / indirect 30% lighting, standard version) TPS764 (direct 30% / indirect 70% lighting, standard version)
Light source	Fluorescent: 2 x or 4 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W
Lamp included	Yes, lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840 No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer; Intelligent (HFP-I) High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR) High Frequency Regulator; touch-switch (HFD-T)
Optical cover	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector
Option	Diffuser fitted Open housing (HO) Emergency lighting: 3 hours (EL3) Lighting controls: ActiLume multi controller (ACL) Euro fuse (FU) included
Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature (LF), for insertion in a line
Material	Housing: anodized aluminum Optical cover: PMMA (optional is polycarbonate) Rim: polycarbonate (translucent)

Installation

Rectangular versions:

Individual or line; suspended mounting with a set of two double steel-wire suspensions (SMS) or with a set of two triangular steel-wire suspensions (SMT), both with metal-like power cord, 150 cm, and ceiling caps

Square versions:

Individual; suspended mounting with a set of four single steel-wire suspensions including a metal-like power cord, 150 cm and ceiling cap (SM4)

Square versions in block arrangement:

Suspended mounting with a set of single steel-wire suspensions including a metal-like power cord, 150 cm, and ceiling cap (SBM)

Fast fine adjustment with clutch device (Reutlinger)

Accessory

Coupling set for square block arrangement

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_r, 19, L_m < 1000 cd/m² at γ > 65°)

Luminaires standard delivered without diffuser (ND)

Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring

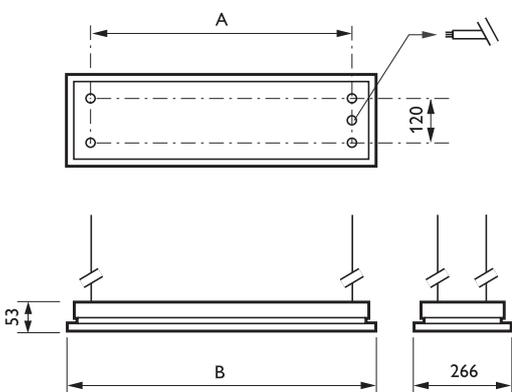
Dedicated ready to install versions available (KIT)

Main applications

Office, department stores

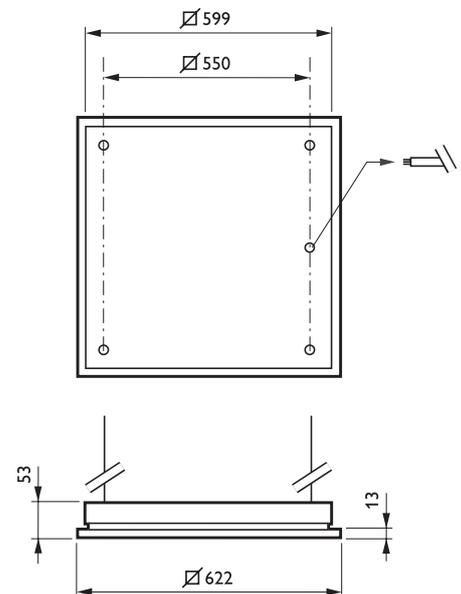


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1100	1259
35W, 49W, 80W	1400	1559

TPS760/762/764 2 x TL5, TPS770/772 3 x TL5



TPS760/762/764 3 x TL5



Savio TPS760/762/764 suspended luminaire with PMMA micro-lens optic (AC-MLO) for direct or direct/indirect lighting



Savio TPS760/762/764 suspended luminaire with PMMA micro-lens optic (AC-MLO) for direct or direct/indirect lighting

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS760 2x54W/840 HFP ND AC-MLO SMS	7.80	756257 00
TPS762 2x28W/840 HFP ND AC-MLO SMS	7.80	756448 00
TPS764 2x54W/840 HFP ND AC-MLO SMS	7.80	756868 00
TPS772 3x28W/827/865 HFD AC-MLO SMS	7.70	759135 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS760 4x14W/840 HFP AC-MLO SM4	8.20	749877 00
TPS762 4x14W/840 HFP AC-MLO SM4	8.20	749921 00
TPS770 6x14W/827/865 HFD AC-MLO SM4	9.90	750934 00
TPS772 6x14W/827/865 HFD AC-MLO SM4	9.90	751382 00

Please contact your local Philips representative for additional configurations

The micro-lens optic provides a uniform and comfortable light distribution



Natural anodized aluminum housing with translucent rim



Savio	
Type	TPS770 (direct lighting, Dynamic Lighting version) TPS772 (direct 70% / indirect 30% lighting, Dynamic Lighting version)
Light source	Fluorescent: 3 x or 6 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54 W
Lamp included	Yes, lamp color 827/865, 827/451 (ActiViva Natural) or 827/452 (ActiViva Active)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Regulator, DALI (HFD)
Optical cover	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector
Option	Open housing (HO) (only in TPS772 version) Emergency lighting: 3 hours (EL3) Lighting controls: Color Variation Controller (CVC) Euro fuse (FU) included
Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature (LF), for insertion in a line
Material	Housing: anodized aluminum Micro-lens optic: PMMA (optional is polycarbonate) Rim: polycarbonate (translucent)

Installation

Rectangular versions:

Individual or in line; suspended mounting with a set of two double steel-wire suspensions (SMS) or with a set of two triangular steel-wire suspensions (SMT), both with metal-like power cord, 150 cm, and ceiling caps

Square versions:

Individual; suspended mounting with a set of four single steel-wire suspensions including a metal-like power cord, 150 cm and ceiling cap (SM4)

Square versions in block arrangement:

Suspended mounting with a set of single steel-wire suspensions including a metal-like power cord, 150 cm, and ceiling cap (SBM)

Fast fine adjustment with clutch device (Reutlinger)

Accessory

Coupling set for square block arrangement

Remarks MLO optic ensures optimum light distribution and full glare control in all viewing directions compliant with the current norm for indoor working places (EN 12464-1, UGR_r 19, L_m < 1000 cd/m² at γ > 65°)

Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring

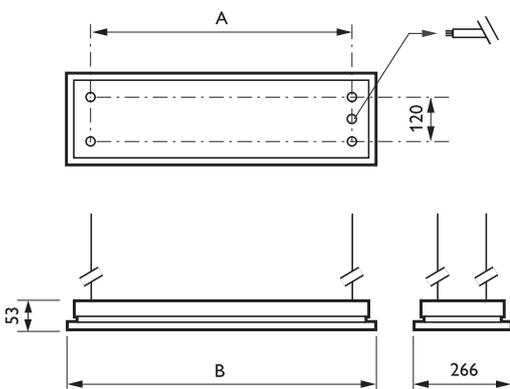
Dedicated ready to install versions available (KIT)

Main applications

Office, department stores

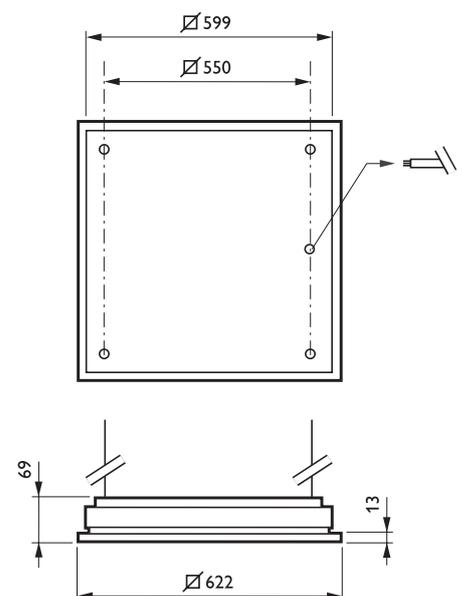


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1100	1259
35W, 49W, 80W	1400	1559

TPS760/762/764 2 x TL5, TPS770/772 3 x TL5



TPS770/772 6 x TL5



Savio TPS770/772 suspended luminaire with PMMA micro-lens optic (AC-MLO) for direct or direct/indirect lighting, with Dynamic Lighting facility and CVC

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS770 3x54W/827/865 HFD AC-MLO CVC SMS	7.70	747576 00
TPS772 3x28W/827/865 HFD AC-MLO CVC SMS	7.70	759142 00
TPS772 3x35W/827/865 HFD AC-MLO CVC SMS	9.40	759180 00

Please contact your local Philips representative for additional configurations



Savio TPS770/772 suspended luminaire with PMMA micro-lens optic (AC-MLO) for direct or direct/indirect lighting, with Dynamic Lighting facility and CVC

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS770 6x14W/827/865 HFD AC-MLO CVC SM4	9.90	750941 00

Please contact your local Philips representative for additional configurations

Accessories



Power cord in metal design, 5-wire, length 10 m

Product ID	EOC
ZPH760 C10000-5x0.75	790190 00



Accessories for coupling piece X-shape (4 x 90 degrees) and cable, length 1.5 m

Product ID	EOC
ZPH760 CPX C1500	750316 00

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. The set is delivered along with the rectangular luminaire versions.



Set of four single steel-wire suspensions with ceiling fixation (SM4). A separate ceiling cap is included for the metal-like power cord. The set is delivered along with the square luminaire versions



The Savio Dynamic Lighting luminaire for personal light is delivered with an integrated controller (ActiLume) to adjust the lighting level and color temperature.



Savio suspended square luminaires can be coupled in a block arrangement. Four square luminaires are needed, as well as a coupling set, which includes all coupling and suspension elements required to build a block arrangement.

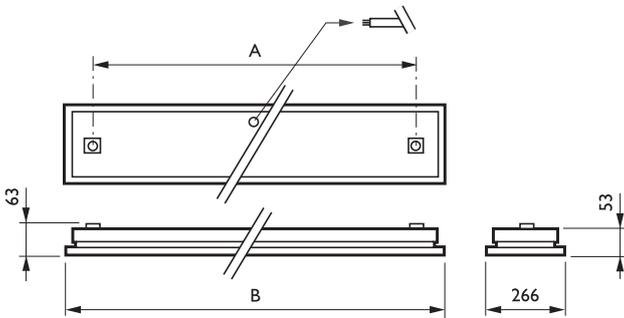


Savio	
Type	TCS760 (standard version)
Light source	Fluorescent: 2 x or 4 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W
Lamp included	Yes, lamp color 45 I (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840 No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR) High Frequency Regulator; touch-switch (HFD-T)
Optical cover	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector
Option	Diffuser fitted Emergency lighting: 3 hours (EL3) Lighting controls: Actilume multi controller (ACL) Euro fuse (FU) included
Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature (LF), for insertion in a line

Material	Housing: anodized aluminum Micro-lens optic: PMMA (optional is polycarbonate) Rim: polycarbonate (translucent)
Installation	Individual or in line (rectangular types), mounting by screw fixing
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 _r 19, L _m < 1000 cd/m ² at γ > 65°) Luminaires standard delivered without diffuser (ND) Dedicated line arrangement luminaires (LE and LF types) include through-wiring facility Dedicated ready to install versions available (KIT)
Main applications	Office, department stores

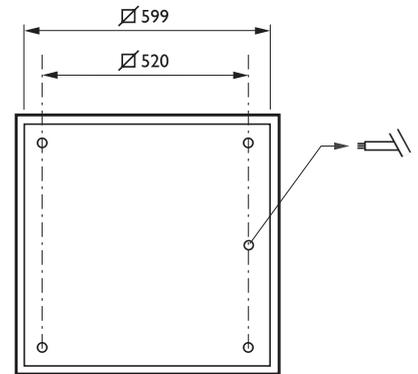


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS760 2 x TL5, TCS770 3 x TL5

	A	B
28W, 54W	1100	1259
35W, 49W, 80W	1400	1559



TCS760 4 x TL5



Savio TCS760 surface-mounted luminaire with PMMA or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS760 2x35W/840 HFP PC-MLO	10.50	746531 00
TCS760 2x54W/830 HFP AC-MLO	8.80	747446 00

Please contact your local Philips representative for additional configurations



Savio TCS760 surface-mounted luminaire with PMMA or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS760 4x24W/840 HFP ND AC-MLO	7.20	493831 00
TCS760 4x14W/830 HFP AC-MLO	8.20	747460 00
TCS760 4x14W/840 HFD ND AC-MLO	7.20	560275 00
TCS760 4x14W/840 HFD ND AC-MLO ACL	7.20	560282 00

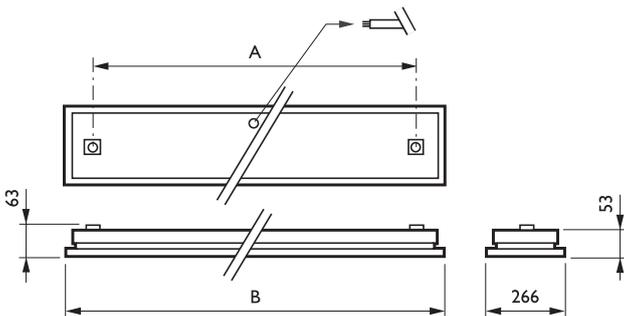
Please contact your local Philips representative for additional configurations



Savio			
Type	TCS770 (Dynamic Lighting version)	Material	Housing: anodized aluminum Micro-lens optic: PMMA (optional is polycarbonate) Rim: polycarbonate (translucent)
Light source	Fluorescent: 3 x or 6 x MASTER TL5 / G5 / 14, 28, 35, 49, 54, W	Installation	Individual or in line (rectangular types), mounting by screw fixing
Lamp included	Yes, lamp color 827/865, 827/451 (ActiViva Natural) or 827/452 (ActiViva Active)	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 _r 19, L _m < 1000 cd/m ² at γ > 65°) Dedicated line arrangement luminaires (LE and LF types) include through-wiring facility Dedicated ready to install versions available (KIT)
Gear	Electronic, 220 - 240V / 50 - 60 Hz: High Frequency Regulator, DALI (HFD)	Main applications	Office, department stores
Optical cover	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)		
Connection	Push-in connector (PI)		
Option	Emergency lighting: 3 hours (EL3) Lighting controls: ColorVariation Controller (CVC) Euro fuse (FU) included		
Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature (LF), for insertion in a line		

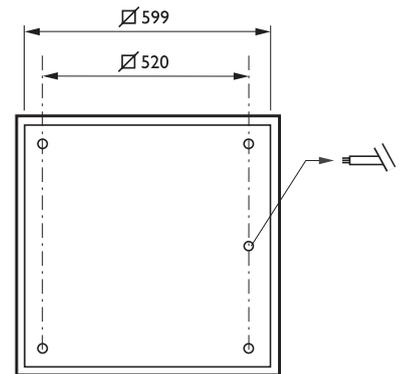


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1100	1259
35W, 49W, 80W	1400	1559

TCS760 2 x TL5, TCS770 3 x TL5



TCS770 6 x TL5



Savio TCS770 surface-mounted luminaire with PMMA or polycarbonate micro-lens optic (AC-MLO/PC-MLO) with Dynamic Lighting facility and CVC

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS770 3x28W/827/865 HFD AC-MLO CVC	7.70	758909 00
TCS770 3x35W/827/865 HFD AC-MLO CVC	9.40	758947 00

Please contact your local Philips representative for additional configurations



Savio TCS770 surface-mounted luminaire with PMMA or polycarbonate micro-lens optic (AC-MLO/PC-MLO) with Dynamic Lighting facility and CVC

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS770 6x14W/827/865 HFD AC-MLO CVC	9.90	750699 00

Please contact your local Philips representative for additional configurations

The Savio Dynamic Lighting luminaire for personal light is delivered with an integrated controller (Actilume) to adjust the lighting level and color temperature.



Rotaris TPS740/745, TCS740



Rotaris – the perfect form

The defining visual characteristic of the Rotaris product range, which is based on the innovative TL5 Circular lamp, is its concentric circles. The semi-high-gloss aluminum centerpiece is surrounded by an opal or clear lamp cover, the inside of which has a prismatic structure, again in concentric circles. Continuing outwards, the high-reflectance optic is made of the same semi-high-gloss aluminum. Finally, the optic continues in the outer rim and the housing since it is all made out of one single piece of material.

With the surface-mounted version, some light is directed towards the ceiling to create a smooth transition between the ceiling and the luminaire. The suspended versions offer a choice of direct or direct/indirect light distribution. Glare is controlled in all viewing directions by Omnidirectional Luminance Control technology.

Within the Rotaris family, a complete range of surface-mounted, recessed and suspended luminaires is available.

www.philips.com/lighting

Rotaris suspended



Rotaris surface-mounted



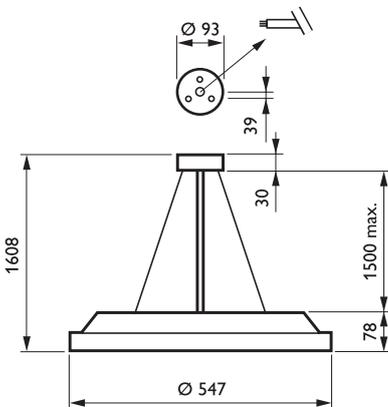
Rotaris recessed



Rotaris			
Type	TPS740 (direct lighting) TPS745 (direct / indirect lighting)		Euro fuse (FU) included
Light source	Compact fluorescent: 1 x MASTER TL5 Circular / 2GX13 / 60 W		Dedicated centre pieces: prepared for Fugato Micro, Fugato Mini, Fugato Compact or smoke detector
Lamp included	Yes (lamp color 830 or 840)	Material	Frame: steel
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)		Components: polycarbonate Reflector: anodized aluminum, semi-high-gloss
Optical cover	Opal cover (O) Prismatic cover (P)	Installation	Individual; suspended mounting with a triple steel- wire suspension set including a metal-like power cord (SM3) Fast fine adjustment with clutch device (Reutlinger)
Infill plate / centre piece	Standard (IP) Enlarged (IPL) Perforated (IPP)	Accessory	Blue inlay sheet
Connection	Push-in connector (PI)	Remarks	Glare control in all viewing directions is based on the Omnidirectional Luminance Control (OLC) technology, complying with the current office lighting norms (EN 12464-1, $L_m < 1000 \text{ cd/m}^2$ at $\gamma > 65^\circ$)
Color	White (WH) Aluminum (ALU)	Main applications	Office, retail
Option	Emergency lighting: 1 hour (EL1), 3 hours (EL3) Lighting controls: Luxsense daylight controller (LX), ActiLume multi controller (ACL)		



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TPS740/745



Rotaris TPS740/745 suspended luminaire for direct and direct/indirect lighting respectively

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS740 TL5C60W/840 HFP P SM3 IP ALU	3.00	635606 00
TPS745 TL5C60W/840 HFP P SM3 IP ALU	3.00	635613 00

Please contact your local Philips representative for additional configurations



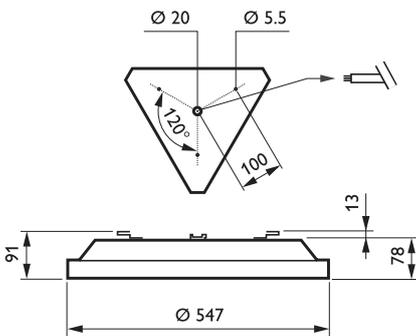
Rotaris TCS740

Rotaris	
Type	TCS740
Light source	Compact fluorescent: 1 x MASTER TL5 Circular / 2GX13 / 60 W
Lamp included	Yes (lamp color 830 or 840)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)
Optical cover	Opal cover (O) Prismatic cover (P)
Infill plate / centre piece	Standard (IP) Enlarged (IPL)
Connection	Push-in connector (PI)
Color	White (WH) Aluminum (ALU)

Option	Emergency lighting: 3 hours (EL3) Lighting controls: ActiLume multi controller (ACL) Euro fuse (FU) included Dedicated centre pieces: prepared for smoke detector
Material	Frame: steel Components: polycarbonate Reflector: anodized aluminum, semi-high-gloss
Installation	Individual; locking the luminaire into pre-mounted ceiling plate (delivered with the luminaire)
Accessory	Blue inlay sheet
Main applications	Office, retail



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS740



Rotaris TCS740 surface-mounted luminaire

Preferred selection

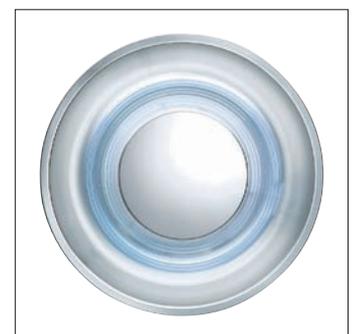
Product ID	Weight (kg)	European Order Code (EOC)
TCS740 TL5C60W/840 HFP P IP ALU	3.00	635590 00

Please contact your local Philips representative for additional configurations

Accessories

Product ID	Description	EOC
ZBS740 F-BL	Blue inlay sheet	633145 00

Aluminum centerpiece and clear prismatic lamp cover combined with blue inlay sheet accessory





Celino TPS680/682, TCS680



Celino – light beam

Celino is a complete luminaire range that reflects the market trend towards miniaturization and architectural integration, while at the same time delivering a significant advance in optical performance.

Celino features Philips' aluminum micro optic with 3D lamellae, which ensures optimum visual comfort and efficiency in compliance with the latest office-lighting norm (EN 12464-1).

Made of natural anodized aluminum, the housing of Celino is a mere 71 mm wide and has die-cast-aluminum end caps. The design allows multiple luminaires to be connected in a line arrangement.

Celino is available as a full range – suspended, surface-mounted, free-standing, recessed and wall-mounted – for maximum freedom in application.

www.philips.com/lighting



Celino suspended



Celino recessed TBS692



Celino free floor-standing



Celino wall-mounted



Celino surface-mounted



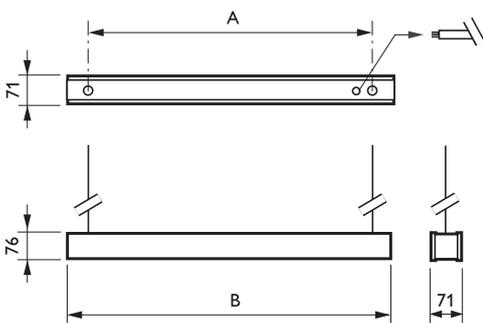
Celino recessed TBS690



Celino			
Type	TPS680 (direct lighting) TPS682 (direct 70% / indirect 30% lighting)	Option	Emergency lighting: 3 hours (EL3) Lighting controls: Luxsense daylight controller micro (LXM) ActiLume multi controller (ACL) Euro fuse (FU) included
Light source	Fluorescent: 1 x or 2 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W	Material	Housing: natural anodized aluminum (ALU) End caps: die-cast aluminum Optic: aluminum Optical cover: AC-MLO: PMMA, PC-MLO: polycarbonate
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No	Installation	Individual or in line; suspended mounting with a set of two single steel-wire suspensions (SM2), with metal-like power cord, 150 cm, and ceiling caps Fast fine adjustment with clutch device (Reutlinger)
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)	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 _r , 19, L _m < 1000 cd/m ² at γ > 65°) Dedicated line arrangement luminaires (LE and LF types), for 1-lamp housing only, include all connection and suspension parts and through-wiring
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) High gloss optic, 3D micro-lamellae (D8) Matt mirror; ribbed cross louvers (M2)	Main applications	Offices, education, healthcare, retail
Optical cover	Acrylate micro lens optic (AC-MLO) Polycarbonate micro lens optic (PC-MLO)		
Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature phase I (LF), for insertion in a line		

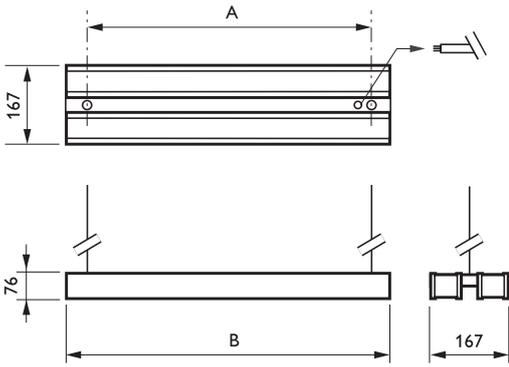


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TPS680 1 x TL5

	A	B
28W, 54W	1120	1220
35W, 49W, 80W	1420	1520



TPS680 2 x TL5

	A	B
28W, 54W	1120	1220
35W, 49W, 80W	1420	1520



Celino TPS680/682 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)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 1x28W/840 HFP C8 SM2 ALU	3.30	747088 00
TPS680 1x35W/840 HFP C8 SM2 ALU	4.00	747118 00
TPS682 1x49W/840 HFP C8 SM2 ALU	4.00	753829 00
TPS682 1x54W/840 HFP C8 SM2 ALU	3.20	753881 00
TPS682 1x80W/840 HFP C8 SM2 ALU	4.00	757513 00

Please contact your local Philips representative for additional configurations



Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 1x28W/840 HFP D8 SM2 ALU	3.20	747095 00
TPS680 1x35W/840 HFP D8 SM2 ALU	4.00	747125 00
TPS680 1x54W/840 HFP D8 SM2 ALU	3.20	753362 00
TPS682 1x54W/840 HFP D8 SM2 ALU	3.20	753904 00
TPS682 1x80W/840 HFP D8 SM2 ALU	4.00	757537 00

Please contact your local Philips representative for additional configurations



Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 1x28W/840 HFP M2 SM2 ALU	3.20	747101 00
TPS680 1x35W/840 HFP M2 SM2 ALU	4.00	747132 00
TPS682 1x49W/840 HFP M2 SM2 ALU	4.00	753867 00
TPS682 1x54W/840 HFP M2 SM2 ALU	3.20	753928 00
TPS682 1x80W/840 HFP M2 SM2 ALU	4.00	757551 00

Please contact your local Philips representative for additional configurations

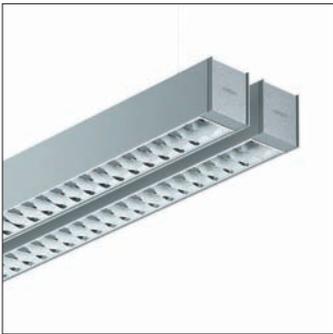


Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with acrylate or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 1x28W/840 HFP AC-MLO SM2 ALU	3.20	750026 00
TPS680 1x35W/840 HFP AC-MLO SM2 ALU	4.00	750033 00
TPS682 1x49W/840 HFP AC-MLO SM2 ALU	4.00	753874 00
TPS682 1x54W/840 HFP AC-MLO SM2 ALU	3.20	753935 00
TPS682 1x80W/840 HFP AC-MLO SM2 ALU	4.00	757568 00

Please contact your local Philips representative for additional configurations

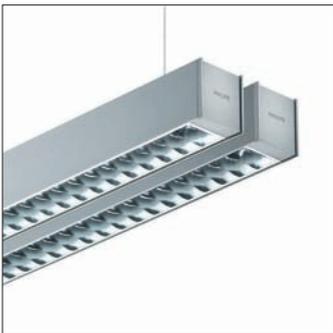


Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with high-gloss optics with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 2x28W/840 HFP C8 SM2 ALU	6.70	747149 00
TPS682 2x35W/840 HFP C8 SM2 ALU	7.60	747330 00
TPS682 2x49W/840 HFP C8 SM2 ALU	8.30	754062 00
TPS682 2x54W/840 HFP C8 SM2 ALU	6.70	754123 00

Please contact your local Philips representative for additional configurations

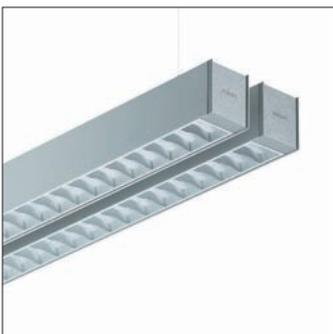


Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with semi-high-gloss optics with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 2x28W/840 HFP D8 SM2 ALU	6.70	747156 00
TPS680 2x35W/840 HFP D8 SM2 ALU	8.30	747187 00
TPS682 2x35W/840 HFP D8 SM2 ALU	8.30	747347 00
TPS682 2x49W/840 HFP D8 SM2 ALU	8.30	754086 00
TPS682 2x54W/840 HFP D8 SM2 ALU	6.70	754147 00

Please contact your local Philips representative for additional configurations



Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with matt high-quality aluminum optics with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS680 2x28W/840 HFP M2 SM2 ALU	6.70	747163 00
TPS680 2x35W/840 HFP M2 SM2 ALU	8.30	747194 00
TPS682 2x35W/840 HFP M2 SM2 ALU	8.30	747354 00
TPS682 2x49W/840 HFP M2 SM2 ALU	8.30	754109 00
TPS682 2x54W/840 HFP M2 SM2 ALU	6.70	754161 00

Please contact your local Philips representative for additional configurations



Celino TPS680/682 suspended luminaire for direct and direct/indirect lighting respectively, with acrylate or polycarbonate micro-lens optics (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS682 2x80W/840 HFP AC-MLO SM2 ALU	8.30	493497 00
TPS680 2x28W/840 HFP AC-MLO SM2 ALU	6.70	750040 00
TPS680 2x35W/840 HFP AC-MLO SM2 ALU	8.30	750057 00
TPS682 2x49W/840 HFP AC-MLO SM2 ALU	8.30	754116 00
TPS682 2x54W/840 HFP AC-MLO SM2 ALU	6.70	754178 00

Please contact your local Philips representative for additional configurations

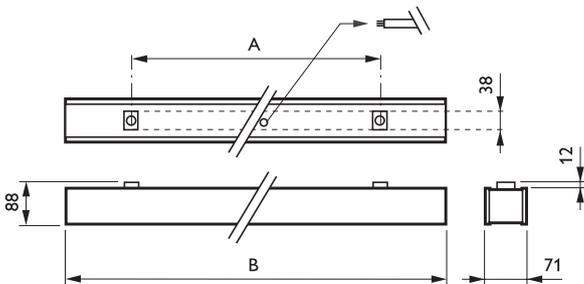


Celino	
Type	TCS680
Light source	Fluorescent: 1 x or 2 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR) High Frequency Regulator; touch-switch (HFD-T)
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) 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)
Connection	Push-in connector Cable, length 200 cm, with plug CEE7

Housing configuration (for line arrangements)	Line end (LE), for ending a line Line feature (LF), for insertion in a line
Option	Emergency lighting: 3 hours (EL3) Lighting controls: Luxsense daylight controller micro (LXM) ActiLume multi controller (ACL) Euro fuse (FU) included
Material	Housing: natural anodized aluminum End caps: die-cast aluminum Optic: aluminum Cover: AC-MLO: PMMA, PC-MLO: polycarbonate
Installation	Individual or in line, by clicking the luminaire into pre-screwed ceiling brackets to the ceiling
Remarks	MLO optic ensures optimum light distribution and full glare control in all viewing directions compliant with the current norm for indoor working places (EN 12464-1, UGR _r , 19, L _m < 1000 cd/m ² at γ > 65°) Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring
Main applications	Offices, education, healthcare, retail

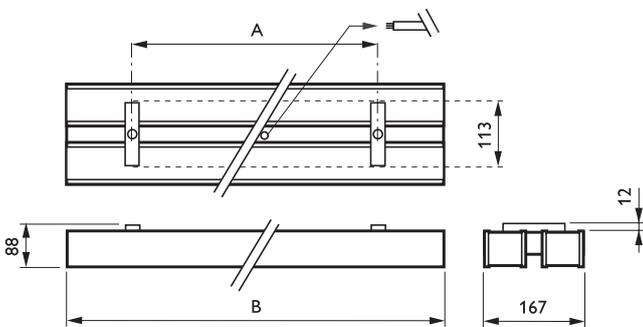


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS680 1 x TL5

	A	B
28W, 54W	1000	1220
35W, 49W, 80W	1300	1520



TCS680 2 x TL5

	A	B
28W, 54W	1000	1220
35W, 49W, 80W	1300	1520



Celino TCS680 surface-mounted luminaire with high-gloss optic with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 1x28W/840 HFP C8 ALU	3.20	746920 00
TCS680 1x35W/840 HFP C8 ALU	4.00	746951 00
TCS680 1x49W/840 HFP C8 ALU	4.00	752747 00
TCS680 1x54W/840 HFP C8 ALU	3.20	752808 00
TCS680 1x80W/840 HFP C8 ALU	4.00	752860 00

Please contact your local Philips representative for additional configurations



Celino TCS680 surface-mounted luminaire with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 1x28W/840 HFP D8 ALU	3.20	746937 00
TCS680 1x35W/840 HFP D8 ALU	4.00	746968 00
TCS680 1x49W/840 HFP D8 ALU	4.00	752761 00
TCS680 1x54W/840 HFP D8 ALU	3.20	752822 00
TCS680 1x80W/840 HFP D8 ALU	4.00	752884 00

Please contact your local Philips representative for additional configurations



Celino TCS680 surface-mounted luminaire with matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 1x28W/840 HFP M2 ALU	3.20	746944 00
TCS680 1x35W/840 HFP M2 ALU	4.00	746975 00
TCS680 1x49W/840 HFP M2 ALU	4.00	752785 00
TCS680 1x54W/840 HFP M2 ALU	3.20	752846 00
TCS680 1x80W/840 HFP M2 ALU	4.00	752907 00

Please contact your local Philips representative for additional configurations



Celino TCS680 surface-mounted luminaire with acrylate or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 1x28W/840 HFP AC-MLO ALU	3.20	749983 00
TCS680 1x35W/840 HFP AC-MLO ALU	4.00	749990 00
TCS680 1x49W/840 HFP AC-MLO ALU	4.00	752792 00
TCS680 1x54W/840 HFP AC-MLO ALU	3.20	752853 00
TCS680 1x80W/840 HFP AC-MLO ALU	4.00	752914 00

Please contact your local Philips representative for additional configurations

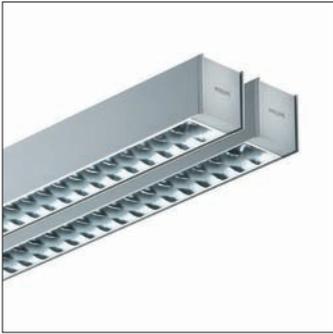


Celino TCS680 surface-mounted luminaire with high-gloss optics with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 2x80W/840 HFP C8-VH ALU	8.30	493510 00
TCS680 2x28W/840 HFP C8 ALU	6.70	746982 00
TCS680 2x35W/840 HFP C8 ALU	8.30	747019 00
TCS680 2x49W/840 HFP C8 ALU	8.30	753041 00
TCS680 2x54W/840 HFP C8 ALU	6.70	753102 00

Please contact your local Philips representative for additional configurations

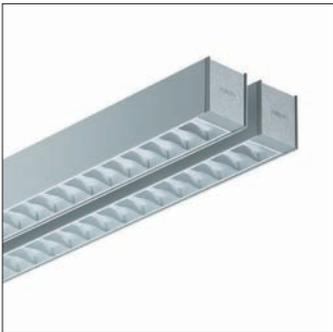


Celino TCS680 surface-mounted luminaire with semi-high-gloss optics with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 2x80W/840 HFP D8-VH ALU	8.30	493503 00
TCS680 2x28W/840 HFP D8 ALU	6.70	746999 00
TCS680 2x35W/840 HFP D8 ALU	8.30	747026 00
TCS680 2x49W/840 HFP D8 ALU	8.30	753065 00
TCS680 2x54W/840 HFP D8 ALU	6.70	753126 00

Please contact your local Philips representative for additional configurations



Celino TCS680 surface-mounted luminaire with matt high-quality aluminum optics with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 2x80W/840 HFP M2 ALU	8.30	493527 00
TCS680 2x28W/840 HFP M2 ALU	6.70	747002 00
TCS680 2x35W/840 HFP M2 ALU	8.30	747033 00
TCS680 2x49W/840 HFP M2 ALU	8.30	753089 00
TCS680 2x54W/840 HFP M2 ALU	6.70	753140 00

Please contact your local Philips representative for additional configurations



Celino TCS680 surface-mounted luminaire with acrylate or polycarbonate micro-lens optics (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS680 2x80W/840 HFP AC-MLO ALU	8.30	493534 00
TCS680 2x28W/840 HFP AC-MLO ALU	6.70	750002 00
TCS680 2x35W/840 HFP AC-MLO ALU	8.30	750019 00
TCS680 2x49W/840 HFP AC-MLO ALU	8.30	753096 00
TCS680 2x54W/840 HFP AC-MLO ALU	6.70	753157 00

Please contact your local Philips representative for additional configurations

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





Arano TPS640/642/644, TCS640/649, TPS646



Arano – light box

Arano is a range of luminaires for TL5 fluorescent lamps, 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.

www.philips.com/lighting

Arano suspended



Arano Nordic suspended



Arano free floor-standing



Arano wall-mounted



Arano surface-mounted

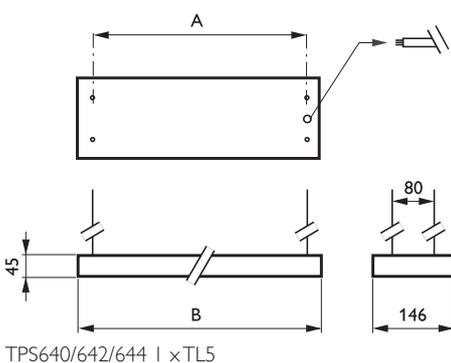


Arano	
Type	TPS640 (direct lighting) TPS642 (direct 70% / indirect 30%) TPS644 (direct 30% / indirect 70%)
Light source	Fluorescent: 1 x or 2 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 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 I (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)

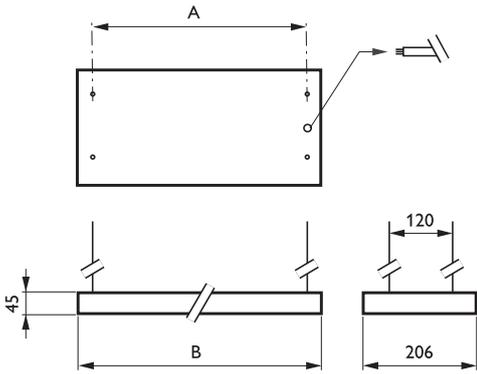
Option	Emergency lighting: 3 hours (EL3) Lighting controls: ActiLume multi controller (ACL) Luxsense daylight controller micro (LXM) Euro fuse (FU) included
Material	Housing: natural anodized aluminum (ALU) or in white (WH) End caps: natural anodized aluminum (ALU) or in white (WH) Optic: aluminum Optical 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 (EN 12464-1, $UGR_r, 19, L_m < 1000 \text{ cd/m}^2$ at $\gamma > 65^\circ$) Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring
Main applications	Office, department stores



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1207	1252
35W, 49W, 80W	1507	1552



TPS640/642/644 2 x TL5



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)



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with matt high-quality aluminum optic with profiled lamellae (M2)

	A	B
28W, 54W	1207	1252
35W, 49W, 80W	1507	1552

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS642 1x35W/840 HFP C8 SMS ALU	4.20	746395 00
TPS642 1x54W/840 HFP C8 SMS ALU	3.40	754338 00
TPS640 1x49W/840 HFP C8 SMS ALU	4.20	755410 00
TPS640 1x54W/840 HFP C8 SMS ALU	3.40	755472 00
TPS640 1x80W/840 HFP C8 SMS ALU	4.20	755526 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS640 1x28W/840 HFP D8 SMS ALU	3.40	746050 00
TPS640 1x35W/840 HFP D8 SMS ALU	4.20	746081 00
TPS640 1x54W/840 HFP D8 SMS ALU	3.40	755489 00
TPS642 1x54W/840 HFP D8 SMS ALU	3.40	754345 00
TPS642 1x80W/840 HFP D8 SMS ALU	4.20	754390 00
TPS642 1x49W/840 HFP D8 SMS ALU	4.20	757483 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS642 1x80W/840 HFP M2 SMS ALU	4.20	493640 00
TPS640 1x54W/840 HFP M2 SMS ALU	3.40	493756 00
TPS640 1x28W/840 HFP M2 SMS ALU	3.40	746067 00
TPS642 1x35W/840 HFP M2 SMS ALU	4.20	746418 00
TPS642 1x49W/840 HFP M2 SMS ALU	4.20	757490 00

Please contact your local Philips representative for additional configurations



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with acrylate or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS640 1x35W/840 HFP AC-MLO SMS ALU	4.20	750170 00
TPS642 1x80W/840 HFP AC-MLO SMS ALU	4.20	754420 00
TPS644 1x49W/840 HFP AC-MLO SMS ALU	4.20	754680 00
TPS644 1x80W/840 HFP AC-MLO SMS ALU	4.20	754703 00
TPS640 1x54W/840 HFP AC-MLO SMS ALU	3.40	755519 00

Please contact your local Philips representative for additional configurations



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)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS640 2x28W/840 HFP C8 SMS ALU	4.40	746104 00
TPS642 2x35W/840 HFP C8 SMS ALU	5.50	746456 00
TPS642 2x49W/840 HFP C8 SMS ALU	5.50	754550 00
TPS642 2x54W/840 HFP C8 SMS ALU	4.40	754611 00
TPS640 2x49W/840 HFP C8 SMS ALU	5.50	755694 00

Please contact your local Philips representative for additional configurations

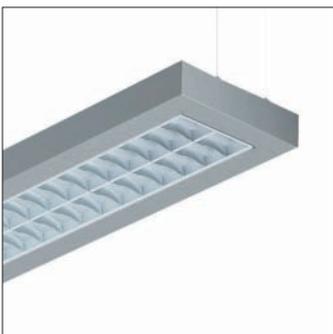


Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS642 2x35W/840 HFP D8 SMS ALU	5.50	746463 00
TPS642 2x80W/840 HFP D8-VH SMS ALU	5.50	493589 00
TPS642 2x28W/840 HFP D8-VH SMS ALU	4.40	754444 00
TPS642 2x49W/840 HFP D8 SMS ALU	5.50	754567 00
TPS642 2x54W/840 HFP D8 SMS ALU	4.40	754628 00

Please contact your local Philips representative for additional configurations



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS642 2x80W/840 HFP M2 SMS ALU	5.50	493602 00
TPS640 2x54W/840 HFP M2 SMS ALU	4.40	493763 00
TPS642 2x28W/840 HFP M2 SMS ALU	4.40	746449 00
TPS642 2x35W/840 HFP M2 SMS ALU	5.50	746470 00
TPS642 2x49W/840 HFP M2 SMS ALU	5.50	754574 00

Please contact your local Philips representative for additional configurations



Arano TPS640/642/644 suspended luminaire for direct and direct/indirect lighting respectively, with acrylate or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

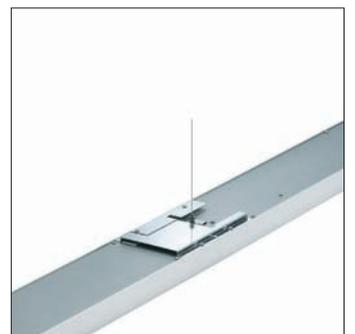
Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS640 2x80W/840 HFP AC-MLO SMS ALU	5.50	493572 00
TPS642 2x28W/840 HFP AC-MLO SMS ALU	4.40	750231 00
TPS640 2x35W/840 HFP AC-MLO SMS ALU	5.50	750255 00
TPS642 2x49W/840 HFP AC-MLO SMS ALU	5.50	754604 00
TPS640 2x54W/840 HFP AC-MLO SMS ALU	4.40	755779 00

Please contact your local Philips representative for additional configurations



Arano suspended luminaires can be connected in a line arrangement

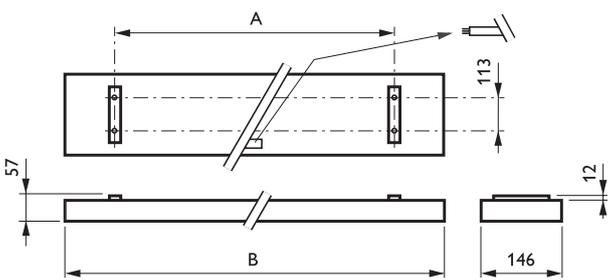


Arano	
Type	TCS640
Light source	Fluorescent: 1 x, 2 x, 3 x or 4 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator; 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 I (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 Connection: cable, length 200 cm, with plug CEE7 (CCE) Infill plate (Infill Profile)
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 (rectangular types), mounting by screw fixing
Remarks	MLO optic ensures optimum light distribution and full glare control in all viewing directions compliant with the current norm for indoor working places (EN 12464-1, UGR _r , 19, L _m < 1000 cd/m ² at γ > 65°) Dedicated line arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring
Main applications	Office, department stores

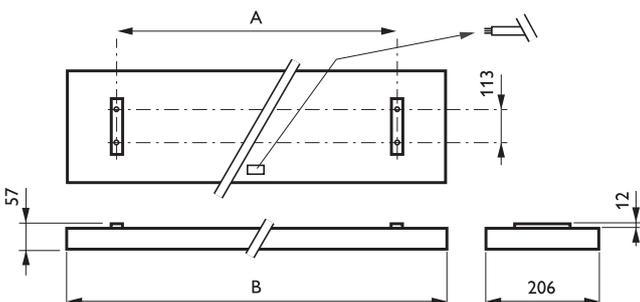


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



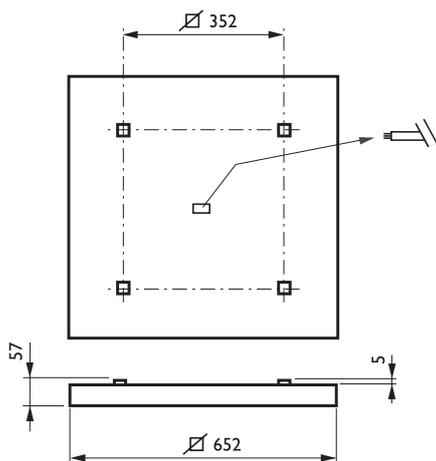
TCS640 1 x TL5

	A	B
28W, 54W	1000	1252
35W, 49W, 80W	1300	1552



TCS640 2 x TL5

	A	B
28W, 54W	1000	1252
35W, 49W, 80W	1300	1552



TCS640 3, 4 x TL5



Arano TCS640 surface-mounted luminaire with high-gloss optic with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)



Arano TCS640 surface-mounted luminaire with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH) optic

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 1x28W/840 HFP C8 ALU	3.40	745640 00
TCS640 1x35W/840 HFP C8 ALU	4.20	745671 00
TCS640 1x49W/840 HFP C8 ALU	4.20	754819 00
TCS640 1x54W/840 HFP C8 ALU	3.40	754871 00
TCS640 1x80W/840 HFP C8 ALU	4.20	754925 00
TCS640 2x80W/840 HFP C8-VH ALU	5.50	493671 00
TCS640 2x28W/840 HFP C8 ALU	4.40	745701 00
TCS640 2x35W/840 HFP C8 ALU	5.50	745732 00
TCS640 2x49W/840 HFP C8 ALU	5.50	755090 00
TCS640 2x54W/840 HFP C8 ALU	4.40	755151 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 1x28W/840 HFP D8 ALU	3.40	745657 00
TCS640 1x35W/840 HFP D8 ALU	4.20	745688 00
TCS640 1x49W/840 HFP D8 ALU	4.20	754826 00
TCS640 1x54W/840 HFP D8 ALU	3.40	754888 00
TCS640 1x80W/840 HFP D8 ALU	4.20	754932 00
TCS640 2x28W/840 HFP D8 ALU	4.40	745718 00
TCS640 2x35W/840 HFP D8 ALU	5.50	745749 00
TCS640 2x49W/840 HFP D8-VH ALU	5.50	755144 00
TCS640 2x54W/840 HFP D8-VH ALU	4.40	755199 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 1x54W/840 HFP M2 ALU	3.40	493787 00
TCS640 1x80W/840 HFP M2 ALU	4.20	493800 00
TCS640 1x28W/840 HFP M2 ALU	3.40	745664 00
TCS640 1x35W/840 HFP M2 ALU	4.20	745695 00
TCS640 1x49W/840 HFP M2 ALU	4.20	754833 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with PMMA or polycarbonate micro-lens optic (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 1x28W/840 HFP AC-MLO ALU	3.40	754772 00
TCS640 1x35W/840 HFP AC-MLO ALU	4.20	754802 00
TCS640 1x49W/840 HFP AC-MLO ALU	4.20	754864 00
TCS640 1x54W/840 HFP AC-MLO ALU	3.40	754918 00
TCS640 1x80W/840 HFP AC-MLO ALU	4.20	754963 00
TCS640 2x80W/840 HFP AC-MLO ALU	5.50	493695 00
TCS640 2x28W/840 HFP AC-MLO ALU	4.40	750125 00
TCS640 2x35W/840 HFP AC-MLO ALU	5.50	750132 00
TCS640 2x49W/840 HFP AC-MLO ALU	5.50	755120 00
TCS640 2x54W/840 HFP AC-MLO ALU	4.40	755175 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with matt high-quality aluminum optics with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 2x80W/840 HFP M2 ALU	5.50	493688 00
TCS640 2x54W/840 HFP M2 ALU	4.40	493794 00
TCS640 2x28W/840 HFP M2 ALU	4.40	745725 00
TCS640 2x35W/840 HFP M2 ALU	5.50	745756 00
TCS640 2x49W/840 HFP M2 ALU	5.50	755113 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with high-gloss optics with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 3x14W/840 HFP C8 ALU	5.90	745763 00
TCS640 3x14W/840 HFP C8-VH ALU	5.90	755205 00
TCS640 4x14W/840 HFP C8 ALU	5.90	745794 00
TCS640 4x14W/840 HFP C8-VH ALU	5.90	755267 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with semi-high-gloss optics with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 3x14W/840 HFP D8 ALU	5.90	745770 00
TCS640 3x14W/840 HFP D8-VH ALU	5.90	755212 00
TCS640 4x14W/840 HFP D8 ALU	5.90	745800 00
TCS640 4x14W/840 HFP D8-VH ALU	5.90	755274 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with matt high-quality aluminum optics with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 3x14W/840 HFP M2 ALU	5.90	745787 00
TCS640 4x14W/840 HFP M2 ALU	5.90	745817 00

Please contact your local Philips representative for additional configurations



Arano TCS640 surface-mounted luminaire with PMMA or polycarbonate micro-lens optics (AC-MLO/PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS640 3x24W/840 HFP AC-MLO ALU	5.90	493701 00
TCS640 3x14W/840 HFP AC-MLO ALU	5.90	755229 00
TCS640 4x24W/840 HFP AC-MLO ALU	5.90	493718 00
TCS640 4x14W/840 HFP AC-MLO ALU	5.90	755281 00

Please contact your local Philips representative for additional configurations

Arano TCS649, asymmetric



Arano asymmetric – high-performance wall-washer

Arano asymmetric is a wall-washer luminaire incorporating 1 or 2 TL5 fluorescent lamps. Its best-in-class lighting performance ensures a uniform light distribution, fully compliant with the current norms for office, school and shop lighting. Featuring the Arano family design aesthetic, this luminaire is available in white and aluminum finishes.

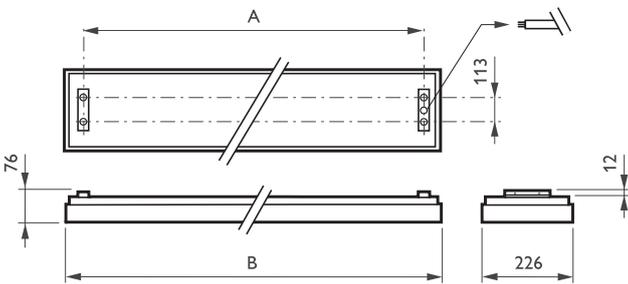
www.philips.com/lighting

Arano	
Type	TCS649
Light source	Fluorescent: 1 x or 2 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W
Lamp included	Yes (827, 830 or 840)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR)
Optic	Wall-washer; asymmetrical mirror (A)

Option	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
Installation	Individual, mounting by screw fixing
Main applications	Office, schools, department stores

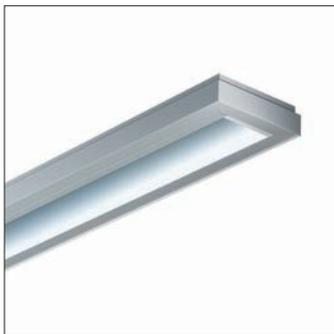


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1194	1281
35W, 49W, 80W	1494	1581

TCS649



Arano TCS649 surface-mounted luminaire with asymmetric beam (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS649 1x54W/840 HFP A ALU	5.00	787879 00
TCS649 1x35W/840 HFP A ALU	6.00	787909 00
TCS649 1x49W/840 HFP A ALU	6.00	787930 00
TCS649 1x80W/840 HFP A ALU	6.00	787961 00

Please contact your local Philips representative for additional configurations



Arano TCS649 surface-mounted luminaire with asymmetric beam (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS649 1x28W/840 HFP A WH	5.00	788296 00
TCS649 1x54W/840 HFP A WH	5.00	788326 00
TCS649 1x35W/840 HFP A WH	6.00	788357 00
TCS649 1x49W/840 HFP A WH	6.00	788388 00
TCS649 1x80W/840 HFP A WH	6.00	788418 00

Please contact your local Philips representative for additional configurations

Arano Nordic TPS646



Arano Nordic – direct/indirect light box

Arano Nordic TPS646 is a range of luminaires for TL5 fluorescent lamps, featuring Philips' micro-optics. The patented micro-optic with 3-D 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 (EN 12464-1).

Arano Nordic completes the Arano family with an efficient option for direct/indirect lighting with a 3-lamp system (30% down, 70% up), providing a pleasant indirect lighting atmosphere. It also offers personal control, allowing users to change the ratio between direct/indirect lighting and the light intensity (dimnable).

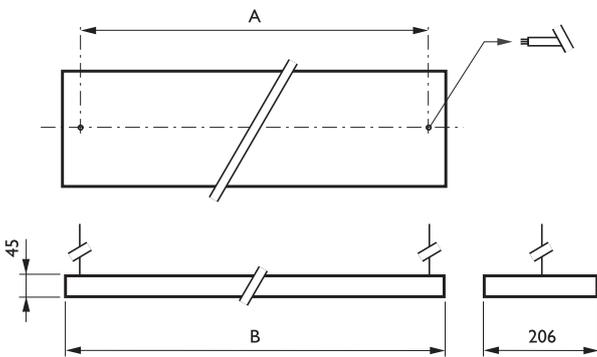
www.philips.com/lighting

Arano	
Type	TPS646
Light source	Fluorescent: MASTER TL5 / G5 / 28, 35, 49, 54 W
Lamp included	Yes (lamp color 830 or 840) No
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)
Optic	Semi-high-gloss optic, 3D micro-lamellae (D8) Matt mirror; ribbed cross louvers (M2)
Optical cover	Acrylate micro lens optic (AC-MLO)
Option	Lighting controls: ActiLume multi controller (ACL) Luxsense daylight controller micro (LXM) Connection: cable, length 200 cm, with plug CEE7 (CCE) Individual pull switch control for direct and indirect light

Material	Housing: natural anodized aluminum (ALU) or in white (WH) Optic: aluminum Optical cover: AC-MLO cover: PMMA
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
Accessory	Remote controls
Remarks	TPS646 ensures optimum light distribution and full glare control in all viewing directions compliant with the current norm for indoor working places (EN12464-1, UGR _r 16, L _m < 1000 cd/m ² at >> 65°)
Main applications	Office



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1200	1270
35W, 49W	1500	1570

TPS646



Arano Nordic TPS646 suspended luminaire with semi-high-gloss optic with 3D micro-lamellae (D8) or high-reflectance 3D micro-lamellae (D8-H)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS646 3x35W/830 HFP D8 2PSW CCE SM1 ALU	6.10	217931 00
TPS646 3x35W/830 HFR-T D8 BSW C-5 SM2	6.10	218143 00
TPS646 3x35W/830 HFR-T D8 2DSW C-3 SM2	6.10	218167 00

Please contact your local Philips representative for additional configurations



Arano Nordic TPS646 suspended luminaire with micro-lens optic (MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS646 3x35W/830 HFP MLO C-3 SM2 ALU	6.10	218051 00
TPS646 3x49W/830 HFD MLO C-5 SM2 ALU	6.10	218501 00

Please contact your local Philips representative for additional configurations



ThinMark



ThinMark – straightforward performance

ThinMark TPS580 is a suspended luminaire range that reflects the market trend towards miniaturization and architectural integration, while at the same time delivering a significant advance in optical performance.

ThinMark features Philips' aluminum micro optic with 3D lamellae, which ensures optimum visual comfort and efficiency in compliance with the latest office-lighting norm (EN 12464-1). The range delivers maximum performance in a compact functional natural anodized aluminum housing and is available in single and double length units.

www.philips.com/lighting

ThinMark TPS580 suspended luminaire with ActiLume lighting control



ThinMark TPS580 suspended luminaire; adjustable suspension point

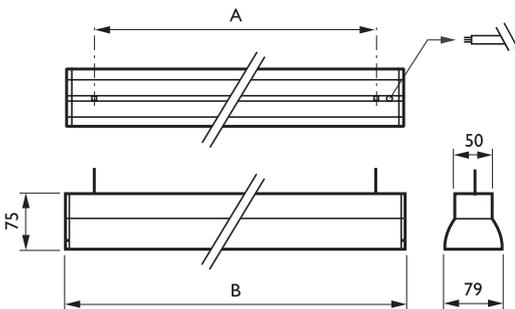


ThinMark	
Type	TPS580
Light source	Fluorescent: 1 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W 2 x 1 x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W (double length units)
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)
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) Opal cover (O)
Connection	Push-in connector (PI)
Option	Lighting controls: ActiLume multi controller (ACL)
Material	Housing: anodized aluminum End-cap: polycarbonate Optic: aluminum Optical cover: AC-MLO: PMMA, PC-MLO and O: polycarbonate
Installation	Individual; suspended mounting with a set of two single steel-wire suspensions including a metal-like power cord (SM2) Fast fine adjustment with clutch device (Reutlinger)
Main applications	Offices



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TPS580



ThinMark TPS580 suspended luminaire with high-gloss optic with 3D micro-lamellae (C8) or very high-reflectance 3D micro-lamellae (C8-VH)

	A	A	B
1x28W, 1x54W	600	1100	1176
1x35W, 1x49W, 1x80W	700	1400	1476
2x1x28W, 2x1x28W AC-MLO, 2x1x54W, 2x1x54W AC-MLO	1171	2271	2347
2x1x35W, 2x1x35W AC-MLO, 2x1x49W, 2x1x49W AC-MLO, 2x1x80W, 2x1x80W AC-MLO	1471	2871	2947
2x1x28W O, 2x1x54W O	1053	2153	2229
2x1x35W O, 2x1x49W O, 2x1x80W O	1353	2753	2829

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS580 1x28W/840 HFP C8 SM2	2.60	491561 00
TPS580 1x54W/840 HFP C8 SM2	2.60	491578 00
TPS580 1x80W/840 HFP C8 SM2	3.40	491585 00

Please contact your local Philips representative for additional configurations



ThinMark TPS580 suspended luminaire with semi-high-gloss optic with 3D micro-lamellae (D8) or very high-reflectance 3D micro-lamellae (D8-VH)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS580 1x28W/840 HFP D8 SM2	2.60	491486 00
TPS580 1x54W/840 HFP D8 SM2	2.60	491493 00
TPS580 1x80W/840 HFP D8 SM2	3.40	491509 00

Please contact your local Philips representative for additional configurations



ThinMark TPS580 suspended luminaire with matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS580 1x28W/840 HFP M2 SM2	2.60	491325 00
TPS580 1x54W/840 HFP M2 SM2	2.60	491332 00
TPS580 1x80W/840 HFP M2 SM2	3.40	491349 00

Please contact your local Philips representative for additional configurations



ThinMark TPS580 suspended luminaire with PMMA micro-lens optic (AC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS580 1x54W/840 HFP AC-MLO SM2	2.60	491387 00
TPS580 1x80W/840 HFP AC-MLO SM2	3.40	491394 00
TPS580 1x28W/830 HFP AC-MLO SM2	2.60	493299 00
TPS580 1x35W/840 HFP AC-MLO SM2	3.40	796826 00

Please contact your local Philips representative for additional configurations



ThinMark TPS580 suspended luminaire with opal diffuser (O)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS580 1x35W/840 HFP O SM2	3.40	796840 00
TPS580 1x49W/840 HFP O SM2	3.40	796857 00
TPS580 2x1x28W/840 HFP O SM2	4.40	491455 00
TPS580 2x1x54W/840 HFP O SM2	4.40	491462 00
TPS580 2x1x80W/840 HFP O SM2	5.60	491479 00

Please contact your local Philips representative for additional configurations

X-tendolight TPS498 TL5



X-tendolight – designed for your applications

X-tendolight TPS498 TL5 is a high-performance suspended luminaire for 1 or 2 TL5 fluorescent lamps with a wide range of high-performance optics. Direct and direct/indirect versions are available. The luminaires can be mounted individually or in configurations. They also come with a choice of ballast types and lamps, and extra features can be added, such as emergency lighting, lighting controls, etc.

This luminaire range is also available with TL-D lamps.

www.philips.com/lighting

X-tendolight surface-mounted FCS398



X-tendolight surface-mounted TCS398



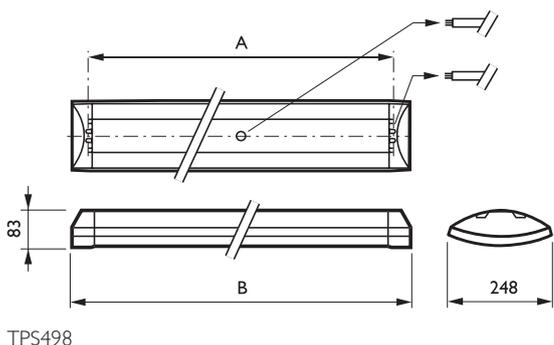
X-tendolight TPS498 suspended



X-tendolight	
Type	TPS498 (direct and direct / indirect)
Light source	Fluorescent: 1 x or 2* x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W *two lamps in one-lamp housing
Lamp included	Yes (lamp color 45 I (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer; Intelligent (HFP-I) High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR)
Light distribution	Direct lighting (D) Direct / Indirect lighting (D/I)
Optic	High-gloss optic, high-reflective, with top reflector (T C6-H) High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic 50° (C6) Semi-high-gloss optic, high-reflective, with top reflector (T D6-H) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt optic, high-reflectance with top reflector (T M6-H) Matt optic, high-reflectance (M6-H) Matt optic, double parabolic louvers, closed (M6) Matt optic, double parabolic louvers, asymmetric (M6-A) Matt optic, double parabolic, bi-directional 30° (M6-BD30) Matt optic, double parabolic, bi-directional 45° (M6-BD45) Matt mirror; ribbed cross louvers (M2) Matt mirror; ribbed louver; wide beam (M2-WB) Matt mirror; ribbed louver; asymmetric (M2-A) Matt mirror; ribbed louver; bi-directional 30° (M2-BD30)
Optic	Matt mirror; ribbed louver; bi-directional 45° (M2-BD45) Lamellae louver; flat cross louvers (L1) Mirror with decorative green louvers (M-DGN) Asymmetrical mirror (A)
Optical cover	Decorative opal cover (OD)
Connection	Push-in connector; outside lamp compartment
Housing configuration (for line configurations)	Line feature phase I (LF), for insertion in a line
Option	Closed housing (DC) Emergency lighting: 3 hours (EL3), 14 W lampholder (E14) Lighting controls: Luxsense daylight controller (LX) ActiLume multi controller (ACL) Euro fuse (FU) included Protection foil (FL) to protect the luminaire during installation Counterweight (CW) to balance the luminaire
Material	Housing: powder painted steel, white or silver (SI) Corner pieces: ABS, white or silver
Installation	Individual; in line or in a configuration, suspended mounting with various suspension sets or tubing Fast fine adjustment with clutch device (Reutlinger) or screw device
Accessory	Suspension sets, coupling piece, swivel device, end caps, counter weight
Remarks	Dedicated line and configuration arrangement luminaires (LE and LF types) include all connection and suspension parts and through-wiring (1 and 3 phase versions)
Main applications	Office, retail, recreational, public buildings



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



	A	B
28W, 54W	1188	1306
35W, 49W	1488	1606



X-tendolight TPS498 suspended luminaire with OLC high-gloss high-quality aluminum optic with 3D lamellae (C6) or high-reflectance 3D lamellae (C6-H) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 2xTL5-28W/830 HFP C6-H FL	4.60	423647 00
TPS498 2xTL5-35W/830 HFP C6-H FL	5.20	423821 00
TPS498 1xTL5-35W/830 HFP C6 FL	5.10	708065 00
TPS498 2xTL5-35W/830 HFP C6 FL	5.20	629704 00
TPS498 1xTL5-35W/830 HFP D/I C6	5.10	707907 00
TPS498 1xTL5-49W/830 HFP D/I C6	5.10	707914 00

Please contact your local Philips representative for additional configurations



X-tendolight TPS498 suspended luminaire with OLC semi-high-gloss high-quality aluminum optic with 3D lamellae (D6) or high-reflectance 3D lamellae (D6-H) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 2xTL5-28W/840 HFP D6 FL	4.60	629674 00
TPS498 2xTL5-35W/840 HFP D6 FL	5.20	629735 00
TPS498 2xTL5-49W/840 HFP D6 FL	5.20	629780 00

Please contact your local Philips representative for additional configurations



X-tendolight TPS498 suspended luminaire with OLC matt high-quality aluminum optic with 3D lamellae (M6) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 2xTL5-28W/840 HFP M6 FL	4.60	629681 00

Please contact your local Philips representative for additional configurations



X-tendolight TPS498 suspended luminaire with matt high-quality aluminum optic with profiled lamellae (M2) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 2xTL5-49W/840 HFP D/I M2	5.20	634821 00

Please contact your local Philips representative for additional configurations



X-tendolight TPS498 suspended luminaire with asymmetric beam (A) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 1xTL5-35W/830 HFP A FL	5.10	709758 00
TPS498 1xTL5-49W/830 HFP A FL	5.10	709765 00

Please contact your local Philips representative for additional configurations



X-tendolight TPS498 suspended luminaire with decorative opal cover (OD) and end caps (set of 2) available in white and silver (ZPS498 EP); needed with line feature luminaires (LF) only

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS498 1xTL5-35W/830 HFP OD	5.10	704876 00
TPS498 1xTL5-49W/830 HFP OD	5.10	704883 00
TPS498 1xTL5-35W/830 HFP D/I OD	5.10	707983 00
TPS498 1xTL5-49W/830 HFP D/I OD	5.10	707990 00

Please contact your local Philips representative for additional configurations

X-tendolight TPS498 suspended luminaire with tapered ceiling cap and 400 mm suspension tube and adaptor (ZCS398 CC-T400/CC-T400-AD)



X-tendolight TPS498 suspended luminaire, with wire suspension set with fast fine adjustment with screw device; rectangular ceiling cap included; cable length 1500 mm, 1.2 m² (ZPH301 US)



X-tendolight TPS498 suspended luminaire, with wire suspension set with fast fine adjustment with clutch device; rectangular ceiling cap included; cable length 1500 mm, 1.2 m² (ZPH401 US)



X-tendolight TPS498 suspended luminaire, with wire suspension set with fast fine adjustment with clutch device; tapered ceiling cap included; cable length 1500 mm, 1.5 m² (ZPH501 US)



Accessories



Suspension tube with adaptor, length 400 mm, tapered ceiling cap included and available in silver (SI)

Product ID	EOC
ZCS398 CC-T400-AD SI	622224 99



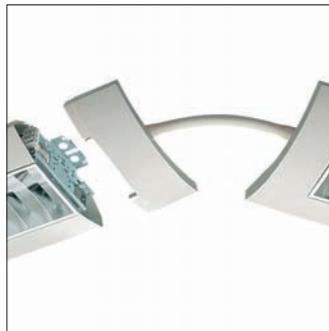
Wire suspension set with fast fine adjustment with clutch device (ZPH401/402 US) or screw device (ZPH301 US). Rectangular ceiling cap included. Available in white (WH) and silver (SI). Cable length 1500 mm, 1.2 mm²

Product ID	EOC
ZPH301 US WH	596068 00
ZPH301 US SI	636634 00
ZPH401 US WH	596075 00
ZPH401 US SI	636658 00
ZPH402 US WH	750262 00
ZPH402 US ALU	750279 00



Wire suspension set with fast fine adjustment with clutch device. Available in white (WH) and silver (SI). Tapered ceiling cap included. Cable length 1500 mm, 1.5 mm²

Product ID	EOC
ZPH501 US WH	636665 99
ZPH501 US SI	636689 99



X-tendolight TPS498 suspended luminaire, with cable duct (white color only) with an adjustable angle of 90-270°; end caps and 5 wires are included (ZPS498 CPF)

Product ID	EOC
ZPS498 CPF WH	427478 00



X-tendolight TPS498 suspended luminaire, with coupling piece available in white (WH) and silver (SI) to create straight lines (ZPS498 CP)

Product ID	EOC
ZPS498 CP WH	427461 00
ZPS498 CP SI	634579 00



X-tendolight TPS498 suspended luminaire, with end caps (set of 2) available in white (WH) and silver (SI) (ZPS498 EP); needed with line feature luminaires (LF) only

Product ID	EOC
ZPS498 EP SI (2PCS)	631585 00
ZPS498 EP WH (2PCS)	629230 00



Counterweights to paste inside the luminaire (ZCS398 CW350). In most cases not needed, depending on the kind of gear and number of lamps used, and only with 1-point suspensions (ZPH501) and mounting on light-lines

Product ID	EOC
ZCS398 CW350	631684 99



E14 lamp socket for emergency lighting

Product ID	EOC
ZCS398 ELU-E14-2	614892 99

X-tendolight TCS398 TL5



X-tendolight – designed for your applications

X-tendolight TCS398 TL5 is a high-performance luminaire for 1, 2, 3 or 4 TL5 fluorescent lamps, with a wide range of optics. It is available in direct and direct/indirect versions and can be surface-mounted or suspended. There is also a choice of ballast types and lamps, and extra features can be added, such as emergency lighting, lighting controls, etc. The luminaires can be mounted individually or in configurations.

This luminaire range is also available with TL-D lamps.

www.philips.com/lighting

X-tendolight FCS398 surface-mounted



X-tendolight TCS398 surface-mounted



X-tendolight TPS498 suspended



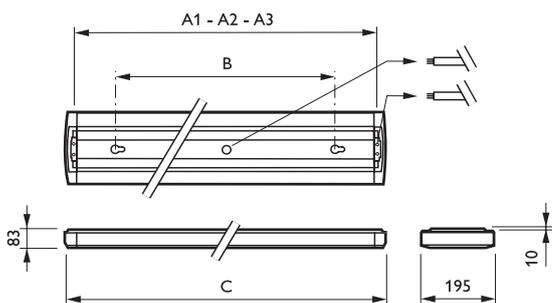
X-tendolight TCS398 TL5

X-tendolight	
Type	TCS398 (195 mm width)
Light source	Fluorescent: 1 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54, 80 W 2* x MASTER TL5 / G5 / 28, 35, 49, 54 W *two lamps in 1-lamp housing (HIL)
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR)
Light distribution	Direct lighting (D) Direct / Indirect lighting (D/I)
Optic	High-gloss optic, high-reflective, with top reflector (T C6-H) High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, high-reflective, with top reflector (T D6-H) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt optic, high-reflective, with top reflector (T M6-H) Matt optic, high-reflective (M6-H) Matt optic, double parabolic louvers, closed (M6) Matt optic, double parabolic louvers, asymmetric (M6-A) Matt optic, double parabolic, bi-directional 30° (M6-BD30) Matt optic, double parabolic, bi-directional 45° (M6-BD45) Matt mirror; ribbed cross louvers (M2) Matt mirror; ribbed louver; wide beam (M2-WB) Matt mirror; ribbed louver; asymmetric (M2-A) Matt mirror; ribbed louver; bi-directional 30° (M2-BD30)

Optic	Matt mirror; ribbed louver; bi-directional 45° (M2-BD45) Lamellae louver; flat cross louvers (L1) Mirror with decorative green louvers (M-DGN) Asymmetrical mirror (A)
Optical cover	Decorative opal cover (OD)
Connection	Push-in connector; either outside or inside lamp compartment BESA box
Color	White Silver (SI) (optional)
Option	Emergency lighting: 3 hours (EL3), 14 W lampholder (E14) Lighting controls: Luxsense daylight controller (LX) ActiLume multi controller (ACL) Euro fuse (FU) included Protection foil (FL) to protect the optic during installation Counterweight (CW) to balance the luminaire
Material	Housing: powder coated steel, white or silver Corner pieces: ABS, white or silver
Installation	Individual; screw mounting or optional with suspension accessories Configurations: screw mounting or optional with suspension accessories dedicated line-feature luminaire types (LF types) with 1 or 3 phase feed-through wiring and no end caps to be used (LF1 or LF3)
Accessory	Suspension sets, coupling pieces, swivel devices, end caps, mounting bracket, counter weight
Remarks	Direct closed (DC) option is available in LF luminaire types
Main applications	Office, retail, recreational, public buildings



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS398 1, 2 x TL5

	Suspension		Surface Mounting		Total length
	Wire suspension	Tube suspension	Outside mounting	Inside mounting	
	A1	A2	A3	B	C
14W	588	603	611	410	658
24W	588	603	611	410	658
28W	1188	1203	1211	900	1258
35W	1488	1503	1511	1200	1558
49W	1488	1503	1511	1200	1558
54W	1188	1203	1211	900	1258
80W	1488	1503	1511	1200	1558

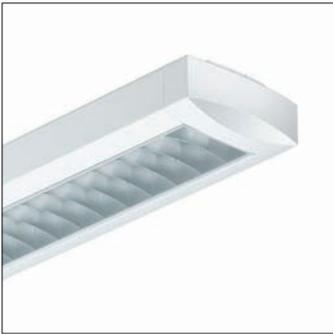


X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and OLC semi-high-gloss high-quality aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 1xTL5-28W/830 HFP D6 FL	4.30	624846 00
TCS398 1xTL5-35W/830 HFP D6 FL	4.80	624914 00
TCS398 2xTL5-28W/840 HFP H1L D6 FL	4.30	627373 00
TCS398 2xTL5-35W/840 HFP H1L D6 FL	4.90	627397 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and OLC matt high-quality aluminum optic with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 2xTL5-28W/840 HFP H1L M6 FL	4.30	627359 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 1xTL5-28W/830 HFP M2 FL	4.30	707228 00
TCS398 1xTL5-35W/830 HFP M2 FL	4.80	707235 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and white painted aluminum optic with flat lamellae (L1)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 1xTL5-28W/830 HFP L1 FL	4.30	707426 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and asymmetric beam (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 1xTL5-28W/840 HFP A FL	4.30	640113 00
TCS398 1xTL5-35W/840 HFP A FL	4.80	640120 00
TCS398 1xTL5-49W/840 HFP A FL	4.80	640137 00
TCS398 1xTL5-54W/840 HFP A FL	4.30	640144 00
TCS398 1xTL5-80W/840 HFP A FL	4.80	640151 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and decorative opal cover (OD)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 1xTL5-35W/830 HFP OD	4.80	707457 00
TCS398 1xTL5-49W/830 HFP OD	4.80	707464 00
TCS398 1xTL5-54W/830 HFP OD	4.30	707471 00

Please contact your local Philips representative for additional configurations

X-tendolight TCS398 suspended/ surface-mounted luminaire: two lamps in one-lamp housing (HIL)



X-tendolight TCS398 suspended/ surface-mounted luminaire with Luxsense, the economical energy saver

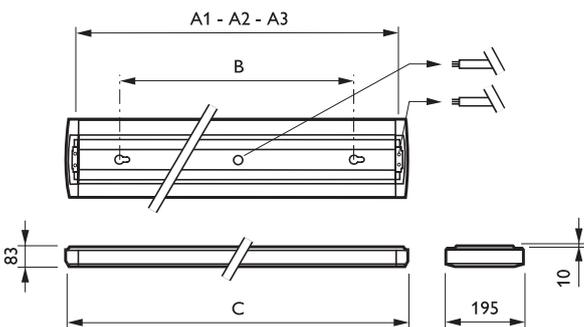


X-tendolight	
Type	TCS398 (light-line)
Light source	Fluorescent: 1 x or 2* x MASTER TL5 / G5 / 28, 35, 49, 54, 80 W *two lamps in one-lamp housing (H1L)
Lamp included	No Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) (optional)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer; Intelligent (HFP-I) High Frequency Performer (HFP) High Frequency Regulator; DALI (HFD) High Frequency Regulator (HFR)
Housing	Line-end luminaire with 1- or 3-phase feed-through wiring and one end cap (LE1/3) Line-middle luminaire with 1- or 3-phase feed-through wiring and no end caps (LM1/3)
Light distribution	Direct lighting (D)
Optic	High-gloss optic, high-reflective, with top reflector (T C6-H) High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, high-reflective, with top reflector (T D6-H) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt mirror; ribbed cross louvers (M2)

Connection	Push-in connector; either outside or inside lamp compartment BESA box
Color	White Silver (SI) (optional)
Option	Lighting controls: Luxsense daylight controller (LX) ActiLume multi controller (ACL) Euro fuse (FU) included
Material	Housing: powder painted steel, white or silver Corner pieces: ABS, white or silver
Installation	Individual; screw mounting or optional with suspension accessories Configurations: screw mounting or optional with suspension accessories dedicated line-feature luminaire types (LF types) with 1 or 3 phase feed-through wiring and no end caps to be used (LF1 or LF3)
Accessory	Suspension set, end caps
Remarks	No protective foil on luminaire since connection for suspension in from inside only
Main applications	Office, retail, recreational, public buildings



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS398 1, 2 x TL5

	Surface Mounting		Suspension	
	Line-end		Line -end	Line-middle
	A	B	D	E
28W	1217	589	1182	1177
35W	1519	740	1484	1479
49W	1217	589	1182	1177
54W	1519	740	1484	1479
80W	1519	740	1484	1479



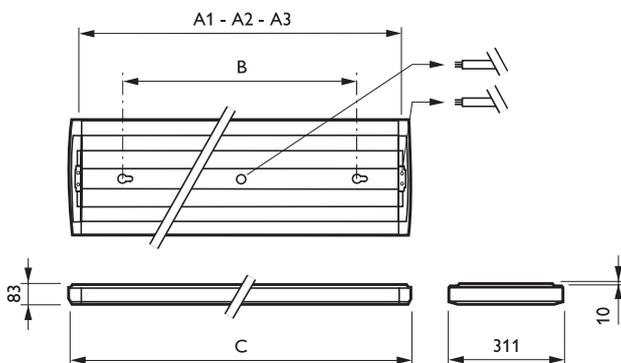
Line-end (LE) and line-mid (LM) luminaires are coupled without accessories and can be mounted onto the ceiling from the inside. Light-line luminaires have through-wiring included.

X-tendolight TCS398 TL5

X-tendolight	
Type	TCS398 (311 mm width)
Light source	Fluorescent: 2 x MASTER TL5 / G5 / 14, 24, 28, 35, 49, 54 W
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)
Light distribution	Direct lighting
Optic	High-gloss optic, high-reflective, with top reflector (T C6-H) High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, high-reflective, with top reflector (T D6-H) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt optic, high-reflective, with top reflector (T M6-H) Matt optic, high-reflective (M6-H) Matt optic, double arabolic louvers, closed (M6) Matt optic, double parabolic louvers, asymmetric (M6-A) Matt optic, double parabolic, bi-directional 30° (M6-BD30) Matt mirror; ribbed cross louvers (M2) Matt mirror; ribbed louver; wide beam (M2-VVB) Matt mirror; ribbed louver; asymmetric (M2-A) Matt mirror; ribbed louver; bi-directional 30° (M2-BD30) Lamellae louver; flat cross louvers (L1)
Optical cover	Mirror with decorative green louvers (M-DGN) Matt mirror; flat cross louvers for Promotelec (MI-PR)
Connection	Push-in connector; either outside or inside lamp compartment BESA box
Color	White Silver (SI) (optional)
Option	Emergency lighting: 3 hours (EL3), 14 W lampholder (E14) Lighting controls: Luxsense daylight controller (LX) ActiLume multi controller (ACL) Euro fuse (FU) included Protection foil (FL) to protect the optic during installation
Material	Housing: powder coated steel, white or silver Corner pieces: ABS, white or silver
Installation	Individual; screw mounting or optional with suspension accessories Configurations: screw mounting or optional with suspension accessories dedicated line feature luminaire types (LF types) with 1 or 3 phase feed-through wiring and no end caps to be used (LF1 or LF3)
Accessory	Suspension sets, coupling pieces, swivel devices, end caps, mounting bracket, counter weight
Main applications	Office, retail, recreational, public buildings



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS398 2 x TL5

	Suspension		Surface Mounting		Total length C
	Wire suspension A1	Tube suspension A2	Outside mounting A3	Inside mounting B	
14W	588	603	611	410	658
24W	588	603	611	410	658
28W	1188	1203	1211	900	1258
35W	1488	1503	1511	1200	1558
49W	1488	1503	1511	1200	1558
54W	1188	1203	1211	900	1258
80W	1488	1503	1511	1200	1558



X-tendolight TCS398 surface-mounted basic (BASIC) or line-feature (LF) luminaire with TL5 fluorescent lamp(s) and OLC semi-high-gloss high-quality aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 2xTL5-35W/840 HFP D6 FU FL	6.30	432762 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic (BASIC) or line-feature (LF) luminaire with TL5 fluorescent lamp(s) and matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

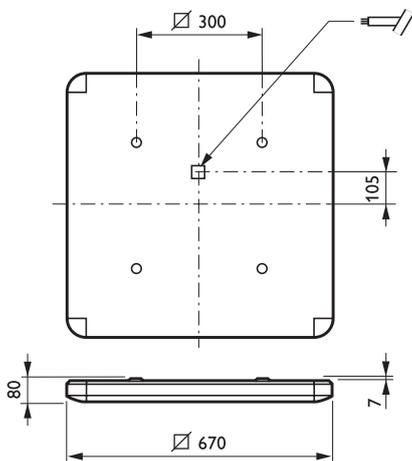
Product ID	Weight (kg)	European Order Code (EOC)
TCS398 2xTL5-49W/840 HFP M2 FU CBESA	6.30	630342 00

Please contact your local Philips representative for additional configurations

X-tendolight	
Type	TCS398 (square)
Light source	Fluorescent: 3 x or 4 x MASTER TL5 / G5 / 14, 24 W
Lamp included	Yes (lamp color 451 (ActiViva Natural), 452 (ActiViva Active), 827, 830 or 840) No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)
Optic	High-gloss optic, high-reflective, with top reflector (T C6-H) High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, high-reflective, with top reflector (T D6-H) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt optic, high-reflective, with top reflector (T M6-H) Matt optic, high-reflective (M6-H) Matt optic, double parabolic louvers, closed (M6)
Optical cover	Matt mirror; ribbed cross louvers (M2) Lamellae louver; flat cross louvers (L1) Mirror with decorative green louvers (M-DGN) Decorative opal cover (OD)
Connection	Push-in connector; only at inside lamp compartment BESA box
Color	White Silver (SI) (optional)
Option	Emergency lighting: 1 hour (EL1), 3 hours (EL3), 14 W lampholder (E14) Lighting controls: Luxsense daylight controller (LX) ActiLume multi controller (ACL) Euro fuse (FU) included
Material	Housing: powder coated steel, white or silver Corner pieces: ABS, white or silver
Installation	Individual; screw mounting
Remarks	No protective foil on luminaire since connection for suspension in from inside only
Main applications	Office, retail, recreational, public buildings



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS398 3, 4 x 14, 24 W



X-tendolight TCS398 surface-mounted basic luminaire with TL5 fluorescent lamp(s) and OLC high-gloss high-quality aluminum optic with 3D lamellae (C6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 3xTL5-14W HFP C6	5.60	627762 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and OLC semi-high-gloss high-quality aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 3xTL5-14W/840 HFP D6	5.60	627786 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic luminaire with TL5 fluorescent lamp(s) and OLC matt high-quality aluminum optic with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 3xTL5-14W HFP M6	5.60	627779 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic luminaire with TL5 fluorescent lamp(s) and matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 3xTL5-14W/830 HFP M2	5.60	706818 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic (BASIC) luminaire with TL5 fluorescent lamp(s) and decorative opal cover (OD)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 3xTL5-14W/830 HFP OD	5.60	706979 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted luminaire with TL5 fluorescent lamp(s) and OLC high-gloss high-quality aluminum optic with 3D lamellae (C6) or high-reflectance 3D lamellae (C6-H)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 4xTL5-14W/830 HFP C6	5.60	706689 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic (BASIC) luminaire with TL5 fluorescent lamp(s) and matt high-quality aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 4xTL5-14W/830 HFP M2	5.60	706849 00

Please contact your local Philips representative for additional configurations



X-tendolight TCS398 surface-mounted basic (BASIC) luminaire with TL5 fluorescent lamp(s) and white painted aluminum optic with flat lamellae (L1)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS398 4xTL5-14W/830 HFP L1	5.60	706924 00

Please contact your local Philips representative for additional configurations

Accessories



Suspension tube with adaptor, length 400 mm (ZCS398 CC-T400-AD) or 1000 mm (ZCS398 CC-T1000-AD) or without adaptor, length 400 mm (ZCS398 CC-T400) or 1000 mm (ZCS398 CC-T1000), tapered ceiling cap included and available in white (WH) and silver (SI)

Product ID	EOC
ZCS398 CC-T400-AD WH	619828 99
ZCS398 CC-T400-AD SI	622224 99
ZCS398 CC-T400 WH	619781 99
ZCS398 CC-T400 SI	622187 99
ZCS398 CC-T1000-AD SI	704227 00



Wire suspension set with fast fine adjustment with clutch device (ZPH401 US) or screw device (ZPH301 US). Rectangular ceiling cap included. Available in white (WH) and silver (SI). Cable length 1500 mm, 1.2 mm²

Product ID	EOC
ZPH301 US WH	596068 00
ZPH301 US SI	636634 00
ZPH401 US WH	596075 00
ZPH401 US SI	636658 00



Wire suspension set with fast fine adjustment with clutch device. Available in silver (SI) and white (WH). Tapered ceiling cap included. Cable length 1500 mm, 1.5 mm²

Product ID	EOC
ZPH501 US SI	636689 99



X-tendolight TCS398 luminaires with I-point wire-suspension swivel device with adjustable angle of 90-270°; tapered ceiling cap and end caps are included; for I-lamp housing 195 mm versions, in white color only (ZCS398 CC-SW-SD)

Product ID	EOC
ZCS398 CC-SW-SD WH	619804 00



X-tendolight TCS398 luminaires with I-point tube-suspension swivel device with adjustable angle of 90-270°; tapered ceiling cap and end caps are included; for I-lamp housing 195 mm versions, in white color only (ZCS398 CC-T400-SD)

Product ID	EOC
ZCS398 CC-T400-SD WH	619811 00



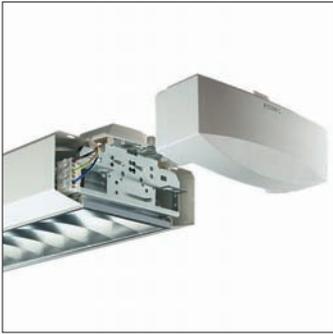
X-tendolight TCS398 luminaire, with cable duct (white color only) for I-lamp housing 195 mm version, and an adjustable angle of 90-270°; end caps and 5 wires are included (ZCS398 CPF)

Product ID	EOC
ZCS398 CPF	421391 00



X-tendolight TCS398 luminaire with coupling piece to create straight lines; for I-lamp housing 195 mm versions (ZCS398 CP-S) and for 2-lamp 311 mm versions (ZCS398 CP-T). Both available in white (WH) and silver (SI)

Product ID	EOC
ZCS398 CP-S WH	605104 00
ZCS398 CP-T WH	605937 99
ZCS398 CP-S SI	631592 00
ZCS398 CP-T SI	631677 99



X-tendolight TCS398 luminaire, with end caps (set of 2); for 1-lamp housing 195 mm versions (ZCS398 EP-S) and for 2-lamp 311 mm versions (ZCS398 EP-T), needed with line-feature luminaires (LF) only. Both available in white (WH) and silver (SI)

Product ID	EOC
ZCS398 EP-S WH (2PCS)	629193 00
ZCS398 EP-S SI (2PCS)	629209 00
ZCS398 EP-T WH (2PCS)	629216 00
ZCS398 EP-T SI (2PCS)	629223 00



X-tendolight TCS398 luminaire with bracket to mount the luminaire on a TTX400 light-line rail; for both for 195 mm and 311 mm luminaire versions (ZCS398 MB-TTX400)

Product ID	EOC
ZCS398 MB-TTX400	634548 99



Counterweights to paste inside the luminaire (ZCS398 CW350). In most cases not needed, depending on the kind of gear and number of lamps used, and only with 1-point suspensions (ZPH501) and mounting on light-lines

Product ID	EOC
ZCS398 CW350	631684 99



E14 lamp socket for emergency lighting

Product ID	EOC
ZCS398 ELU-E14-2	614892 99
ZCS398 ELU-E14-4	614915 99



EFix TPS262, TCS260



EFix TPS262/TCS260 – for a greener office

The EFix TL5 luminaire range is a dedicated, affordable choice of innovative lighting that enables massive energy savings to be made when old electromagnetic installations are replaced by the latest Philips technology. The range's optical performance complies with the latest EN-12464 norms, ensuring improved lighting quality in every application.

Used in combination with high-frequency gear, Philips MASTER TL5 lamps enable substantial energy savings to be made. These savings can be further increased by using a Luxsense daylight controller integrated into the luminaire.

The practical design of EFix combines both surface-mounted (TCS260) and suspended (TPS262) luminaires in one design. Thanks to the luminaire's easily removable top cover, the beam can be adjusted to provide direct or direct/indirect lighting. EFix is supplied with lamps and is ready to install, minimizing installation time.

EFix recessed TBS260 completes Philips' range of luminaires for general lighting applications in offices and shops.

www.philips.com/lighting

EFix suspended TPS262



EFix surface mounted TCS260



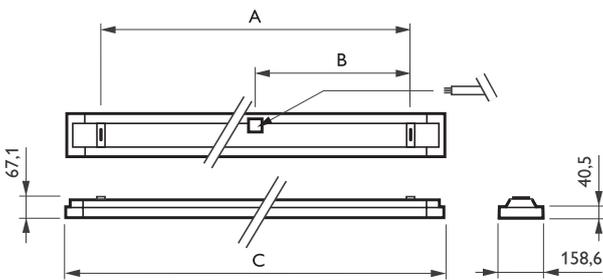
EFix suspended mounted TPS262

Type	TPS262
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)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator (HFR)
Optic	High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, double parabolic (D6) Matt optic, double parabolic louvers, closed (M6) Matt mirror; ribbed cross louvers (M2)
Connection	Push-in connector

Color	White, RAL9016 (WH) Silver, RAL9006 (SI)
Option	Lighting controls: Luxsense daylight controller (LX)
Material	Housing: pre-lacquered steel Optic: pre-lacquered steel or aluminum End cap: polycarbonate
Installation	Individual or in line; suspended mounting with a set of two triangular steel-wire suspensions (SMT), both with metal-like power cord, 150 cm, and ceiling caps
Accessory	Coupling piece, ZCS260 CP
Remarks	Delivered with lamps, suspension set and push-in connector



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TPS262

	A	B	C
28W, 54W	1000	500	1241
80W	1300	650	1541



EFix TPS262 suspended luminaire with OLC high-gloss aluminum optic with 3D lamellae (C6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS262 1x54W/840 HFP C6 SMT SI	3.14	613469 00
TPS262 2x28W/830 HFP C6 SMT WH	3.27	613421 00

Please contact your local Philips representative for additional configurations



EFix TPS262 suspended luminaire with OLC semi-high-gloss aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS262 1x54W/840 HFP D6 SMT SI	3.14	613476 00
TPS262 1x80W/840 HFP D6 SMT SI	4.15	614220 00
TPS262 2x54W/840 HFP D6 SMT SI	3.31	613506 00
TPS262 2x80W/840 HFP D6 SMT SI	4.50	614237 00

Please contact your local Philips representative for additional configurations



EFix TPS262 suspended luminaire with OLC matt aluminum optic with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS262 1x28W/830 HFP M6 SMT WH	3.11	613407 00
TPS262 2x28W/830 HFP M6 SMT WH	3.27	613445 00

Please contact your local Philips representative for additional configurations



EFix TPS262 suspended luminaire with matt aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TPS262 1x54W/840 HFP M2 SMT SI	3.07	613483 00

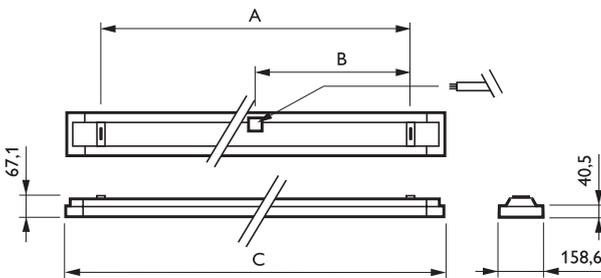
Please contact your local Philips representative for additional configurations

EFix TCS260	
Type	TCS260
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)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer Intelligent (HFPI) High Frequency Performer (HFP) High Frequency Regulator (HFR)
Optic	High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, double parabolic (D6) Matt optic, double parabolic louvers, closed (M6) Matt mirror, ribbed cross louvers (M2) Asymmetrical mirror (A)
Connection	Push-in connector; from outside

Color	White, RAL9016 (WH) Silver, RAL9006 (SI)
Option	Lighting controls: Luxsense daylight controller (LX)
Material	Housing: pre-lacquered steel Optic: pre-lacquered steel or aluminum End cap: polycarbonate
Installation	Individual or in line; clicking the luminaire into pre-screwed ceiling brackets
Accessory	Suspension set delivered with electrical cable, ZCS260 SME WH or SI
Remarks	Delivered with lamps, push-in connector and ceiling brackets



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS260

	A	B	C
28W, 54W	1000	500	1241
35W, 49W, 80W	1300	650	1541



EFix TCS260 surface-mounted luminaire with OLC high-gloss aluminum optic with 3D lamellae (C6)



EFix TCS260 surface-mounted luminaire with OLC high-gloss aluminum optic with 3D lamellae (C6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x35W/840 HFP C6 WH	3.75	611991 00
TCS260 1x49W/840 HFP C6 WH	3.76	612042 00
TCS260 1x54W/840 HFP C6 WH	3.09	612097 00
TCS260 2x28W/840 HFP C6 WH	3.22	612196 00
TCS260 2x35W/840 HFP C6 WH	3.94	612233 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x35W/840 HFP C6 SI	3.75	612400 00
TCS260 1x54W/840 HFP C6 SI	3.09	612509 00
TCS260 1x28W/840 HFP C6 SI	3.06	612356 00
TCS260 1x49W/840 HFP C6 SI	3.76	612455 00
TCS260 2x35W/840 HFP C6 SI	3.94	612646 00
TCS260 2x28W/840 HFP C6 SI	3.22	612608 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with OLC semi-high-gloss aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x28W/840 HFP D6 WH	3.06	611953 00
TCS260 1x35W/840 HFP D6 WH	3.75	612004 00
TCS260 1x54W/840 HFP D6 WH	3.09	612103 00
TCS260 2x28W/840 HFP D6 WH	3.22	612202 00
TCS260 2x35W/840 HFP D6 WH	3.94	612240 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with OLC semi-high-gloss aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x28W/840 HFP D6 SI	3.06	612363 00
TCS260 1x35W/840 HFP D6 SI	3.75	612417 00
TCS260 1x54W/840 HFP D6 SI	3.09	612516 00
TCS260 2x28W/840 HFP D6 SI	3.22	612615 00
TCS260 2x35W/840 HFP D6 SI	3.94	612653 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with matt aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x54W/840 HFP M2 WH	2.98	612127 00
TCS260 1x28W/840 HFP M2 WH	2.98	611977 00
TCS260 1x35W/840 HFP M2 WH	3.64	612028 00
TCS260 1x49W/840 HFP M2 WH	3.64	612073 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with matt aluminum optic with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x35W/840 HFP M2 SI	3.64	612431 00
TCS260 1x54W/840 HFP M2 SI	2.98	612530 00
TCS260 1x28W/840 HFP M2 SI	2.98	612387 00
TCS260 1x49W/840 HFP M2 SI	3.64	612486 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with asymmetrical reflector (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 1x28W/840 HFP A SI	3.13	612394 00
TCS260 1x35W/840 HFP A SI	3.79	612448 00
TCS260 1x49W/840 HFP A SI	3.80	612493 00
TCS260 1x54W/840 HFP A SI	3.14	612547 00
TCS260 1x80W/840 HFP A SI	3.79	612592 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with OLC high-gloss aluminum optic with 3D lamellae (C6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 2x28W/830 HFP C6 SI	3.22	611786 00
TCS260 2x49W/830 HFP C6 SI	4.00	611861 00
TCS260 2x35W/840 HFP C6 SI	3.94	612646 00
TCS260 2x54W/840 HFP C6 SI	3.27	612721 00
TCS260 2x80W/840 HFP C6 SI	4.12	614343 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with OLC semi-high-gloss aluminum optic with 3D lamellae (D6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 2x28W/830 HFP D6 SI	3.22	611793 00
TCS260 2x49W/830 HFP D6 SI	4.00	611878 00
TCS260 2x54W/840 HFR D6 LX SI	3.31	614305 00
TCS260 2x80W/840 HFP D6 SI	4.12	614350 00
TCS260 2x35W/840 HFR D6 LX SI	4.03	614572 00

Please contact your local Philips representative for additional configurations



EFix TCS260 surface-mounted luminaire with OLC matt aluminum optic with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS260 2x35W/840 HFP M6 SI	3.94	612660 00
TCS260 2x54W/840 HFP M6 SI	3.27	612745 00
TCS260 2x28W/840 HFP M6 SI	3.22	612622 00
TCS260 2x49W/840 HFP M6 SI	4.00	612707 00

Please contact your local Philips representative for additional configurations

Cover plate - direct/indirect light distribution can be achieved simply by removing the top reflector



Easy installation with ceiling bracket and external push-in connection



EFix TPS262/TCS260 surface-luminaire with Luxsense lighting control



EFix TPS262/TCS260 2x TL5



EFix TPS262/TCS260 1x TL5



TCS257



TCS257 – the flat performer

TCS257 is a low-height (only 55 mm) surface-mounted luminaire for TL5 fluorescent lamps for office and retail applications. It features high-performance miniature optics which combine high efficiency (up to 70%), optimized delta-shaped light beam and OLC all-around glare control ($L_m < 1000 \text{cd/m}^2$ at $\gamma \geq 65^\circ$ and $UGR_R < 19$). Used in conjunction with electronic gear they reduce energy consumption to give a very low W/m^2 .

TCS257	
Type	TCS257
Light source	Fluorescent: 2 x MASTER TL5 / G5 / 28 W (rectangular version) 3 x or 4 x MASTER TL5 / G5 / 14 W (square version)
Lamp included	No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: Electronic Ballast Standard (EBS) Electronic Ballast Economy (EBE), 28 W version only
Optic	High-gloss optic, double parabolic, closed (C6) Semi-high-gloss optic, double parabolic (D6) Matt mirror; ribbed cross louvers (M2)

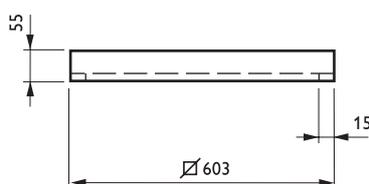
Optical cover	Prismatic cover (P) Opal cover (O)
Connection	Screw connection
Option	Available on request: Emergency lighting, 3 hours Gear; High Frequency Performer or Regulator Lamp types, 24 W, 35 W, 49 W, 54 W, 80 W Connection, Wieland
Material	Housing: post-painted steel, white RAL9010 Optic: high-grade anodized aluminum Optical cover: PET
Installation	Individual; screw to the ceiling
Main applications	Office, retail

 IP 20
  IP 40 for cover types
  960°C
  650°C for cover types


Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS257 2 x TL5



TCS257 3, 4 x TL5



TCS257 surface-mounted luminaire with TL5 fluorescent lamps and OLC high-gloss high-quality optics with 3D lamellae (C6)

Please contact your local Philips representative for ordering codes

X-tendolight FCS398



X-tendolight FCS398 – designed for your applications

X-tendolight FCS398 is a square surface-mounted luminaire, available in three different sizes for PL-L and PL-S fluorescent lamps. It provides a wide range of ballast types and a choice of different high-performance optics and covers, including Omnidirectional Luminance Control (OLC) optics.

Together with the X-tendolight TPS498 and TCS398 this FCS398 completes the X-tendolight luminaire range.

www.philips.com/lighting

X-tendolight FCS398 surface-mounted



X-tendolight TCS398 surface-mounted



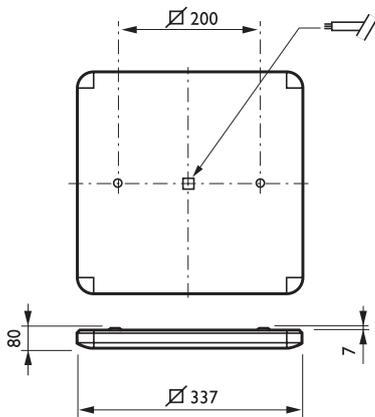
X-tendolight TPS498 suspended



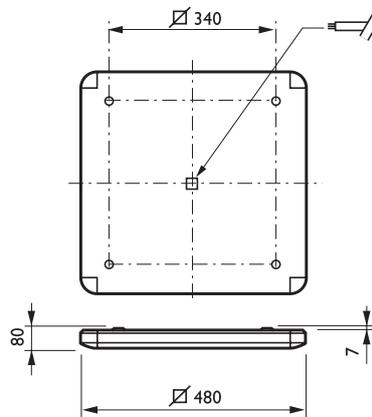
X-tendolight			
Type	FCS398	Optic	High-gloss optic, high-reflective (C6-H) High-gloss optic, double parabolic (C6) Semi-high-gloss optic, high-reflective (D6-H) Semi-high-gloss optic, double parabolic (D6) Matt optic, high-reflective (M6-H) Matt optic, double parabolic louvers, closed (M6) Matt mirror, ribbed cross louvers (M2) Lamellae louver; flat cross louvers (L1) Mirror with decorative green louvers (M-DGN)
Light source	Compact fluorescent: 2 × MASTER PL-S 4 Pin / 2G7 / 11 W (square 337 mm) 2 × MASTER PL-L 4 Pin / 2G11 / 18 W (square 337 mm) 2 × MASTER PL-L 4 Pin / 2G11 / 36 W (square 480 mm) 3 × MASTER PL-L 4 Pin / 2G11 / 40, 55 W (square 670 mm)	Optical cover	Decorative opal cover (OD)
Lamp included	Yes (lamp color 830 or 840) No	Connection	Push-in connector
Gear	Electro magnetic (low loss), 230 or 240 V / 50 Hz: Inductive, parallel compensated (IC) Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator (HFR) High Frequency Matchbox (HFM)	Color	White Silver (SI) (optional)
		Option	Euro fuse (FU) included
		Material	Housing: powder painted steel, white or silver Corner pieces: ABS, white or silver
		Installation	Individual; screw mounting
		Main applications	Office, retail, recreational, public buildings



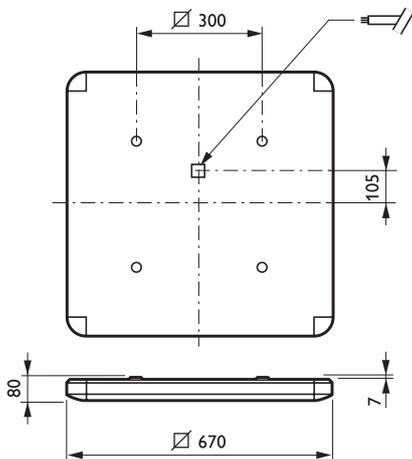
Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



FCS398 2 × 11, 18W



FCS398 2 × 36W



TCS398 3 × 40, 55W



X-tendolight FCS398 surface-mounted luminaire with OLC high-gloss high-quality aluminum optic with 3D lamellae (C6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
FCS398 2xPL-L36W HFP C6	3.10	421025 00
FCS398 2xPL-L18W IC C6	2.00	495910 00
FCS398 2xPL-L36W IC C6	3.80	495958 00

Please contact your local Philips representative for additional configurations

Finess



Finess – functional basics

Finess TCS198 is a functional luminaire for 1, 2 or 4 TL-D fluorescent lamps and offers a choice of 5 different optics for general/low-glare lighting requirements. The luminaire is supplied complete with optic and pre-installed lamp(s); a 1- or 3-hour emergency lighting circuit is available as an option. Finess TCS198 can be mounted individually or in-line and is also suitable for suspension.

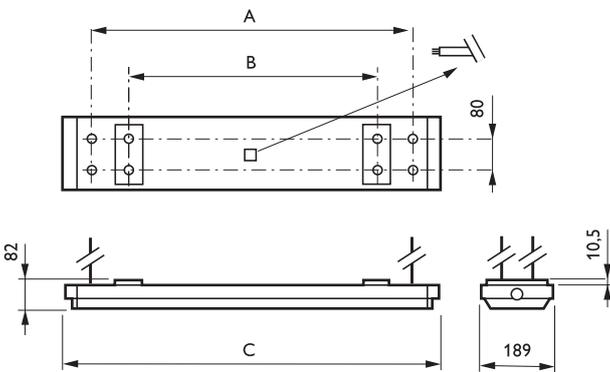
www.philips.com/lighting

Finess	
Type	TCS198 (rectangular and square version) TCS198 KIT (rectangular; ready to install version)
Light source	Fluorescent: 1 x, 2 x, 3 x or 4 x MASTERTL-D / G13 / 18, 36, 58 W
Lamp included	Yes (lamp color 830 or 840) (optional) No
Gear	Electro magnetic (low loss), 230 or 240 V / 50 Hz: Inductive (I) Inductive with additional connection block for capacitor (IK) Inductive with additional connection block for capacitor in parallel (IKP) Inductive, parallel compensated (IC) Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator (HFR) Electronic Included (EI)
Optic	High-gloss optic, double parabolic, limit 1000 cd (C6-1000cd) Matt optic, double parabolic louvers (M6)

	Matt mirror; ribbed cross louvers (M2) Lamellae louver; flat cross louvers (L1) Asymmetrical mirror (A) Matt mirror; flat cross louvers (M1)
Connection	Push-in connector
Option	Euro fuse (FU) included Emergency lighting: 1 hour (EL1), 3 hours (EL3) Ready-to-install versions (KIT), inclusive lamp(s) and installation material Counterweight (CW) to balance the luminaire
Material	Housing: pre-lacquered steel, white End caps: plastic
Installation	Individual or in line; screw mounting or clicking the luminaire into pre-screwed ceiling brackets (ready-to-install) Suspension facility optional
Accessory	Suspension set
Main applications	Office, retail, industry, recreational, public buildings

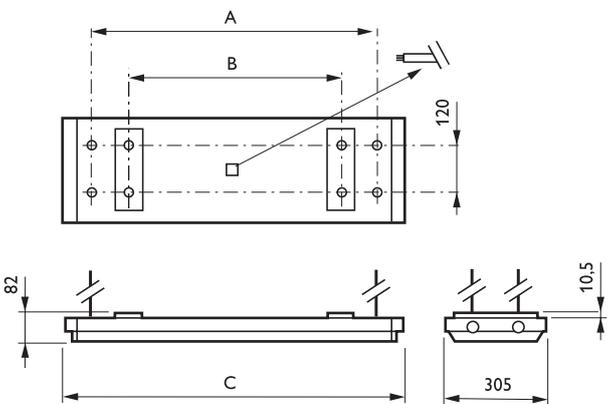


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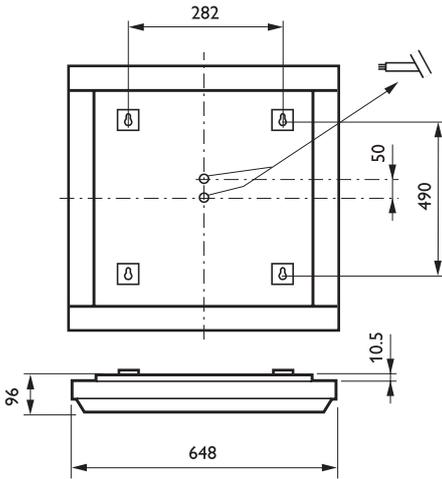
TCS198 1 x TL-D (KIT)

	A	B	C
36W	1100	900	1257
58W	1400	1200	1557



TCS198 2 x TL-D (KIT)

	A	B	C
18W		450	647
36W	1100	900	1257
58W	1400	1200	1557



TCSI98 3,4 x TL-D



Finess TCSI98 surface-mounted luminaire with OLC high-gloss high-quality aluminum optics with 3D lamellae, limit 1000 cd (C6-1000 cd)



Finess TCSI98 surface-mounted luminaire with white painted aluminum optic with flat lamellae (L1)



Finess TCSI98 surface-mounted luminaire with asymmetric beam (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI98 1xTL-D36W IC C6-1000 LR	3.31	694931 00
TCSI98 1xTL-D58W IC C6-1000 LR	4.00	694955 00
TCSI98 1xTL-D36W HFP C6-1000 LR	3.00	694979 00
TCSI98 1xTL-D58W HFP C6-1000 LR	3.40	694993 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI98 1xTL-D36W I LI	3.40	284941 00
TCSI98 1xTL-D36W HFP LI	3.40	285832 00
TCSI98 1xTL-D58W HFP LI	3.80	285931 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI98 1xTL-D36W IC A	2.86	687544 00
TCSI98 1xTL-D58W IC A	4.24	687551 00
TCSI98 1xTL-D36W HFP A	3.20	687568 00
TCSI98 1xTL-D58W HFP A	3.60	687575 00

Please contact your local Philips representative for additional configurations



Finess TCS198 surface-mounted luminaire with OLC high-gloss high-quality aluminum optics with 3D lamellae, limit 1000 cd (C6-1000 cd)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS198 2xTL-D36W IC C6-1000 LR	5.14	694948 00
TCS198 2xTL-D58W IC C6-1000 LR	6.37	694962 00
TCS198 2xTL-D36W HFP C6-1000 LR	3.87	694986 00
TCS198 2xTL-D58W HFP C6-1000 LR	4.84	695006 00

Please contact your local Philips representative for additional configurations



Finess TCS198 surface-mounted luminaire with OLC matt high-quality aluminum optics with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS198 2xTL-D18W I M6	2.52	284675 00
TCS198 2xTL-D36W IC M6	5.14	284842 00
TCS198 2xTL-D58W IC M6	6.38	284897 00
TCS198 2xTL-D36W HFP M6	3.87	285917 00
TCS198 2xTL-D58W HFP M6	4.84	286013 00

Please contact your local Philips representative for additional configurations



Finess TCS198 surface-mounted luminaire with matt high-quality aluminum optics with profiled lamellae (M2)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS198 2xTL-D18W I M2	2.43	284668 00
TCS198 2xTL-D36W IC M2	4.92	284835 00
TCS198 2xTL-D58W IC M2	6.00	284880 00
TCS198 2xTL-D36W HFP M2	3.65	285900 00
TCS198 2xTL-D58W HFP M2	4.45	286006 00

Please contact your local Philips representative for additional configurations



Finess TCS198 surface-mounted luminaire with OLC high-gloss high-quality aluminum optics with 3D lamellae, limit 1000 cd (C6-1000 cd)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS198 4xTL-D18W IC C6-1000 LR	4.44	695020 00
TCS198 4xTL-D18W HFP C6-1000 LR	3.70	695037 00

Please contact your local Philips representative for additional configurations



Finess TCS198 surface-mounted luminaire with OLC matt high-quality aluminum optics with 3D lamellae (M6)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS198 4xTL-D18W IC M6	4.40	685731 00
TCS198 4xTL-D18W EI M6	3.54	685878 00
TCS198 4xTL-D18W HFP M6	3.66	685939 00

Please contact your local Philips representative for additional configurations



Easy access for fast electrical connection (KIT version)



Surface-mounting bracket supplied with kit version





Suspended and surface-mounted luminaires

Centura2



Centura – lighting essentials

Centura TCSI 60 is a surface-mounted luminaire, with a contemporary design, for general lighting in offices, schools and retail outlets.

It is a cost-efficient solution, the combination of (optional) electronic (HF) gear and easy installation allowing considerable savings on energy and maintenance. The Centura range offers a choice of TL-D lamps, three sizes of housing and four types of optic.

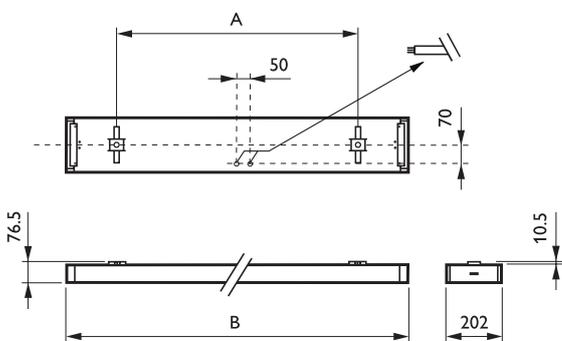
www.philips.com/lighting

Centura2	
Type	TCS160
Light source	Fluorescent: 1 x or 2 x MASTER TL-D / G13 / 36, 58 W 4 x MASTER TL-D / G13 / 18 W
Lamp included	Yes (lamp color 830 or 840) No
Gear	Electro magnetic (low loss), 230 or 240 V / 50 Hz: Inductive, parallel compensated (IC) Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) Electronic Included (EI)
Optic	High-gloss optic, double parabolic (C5) Lamellae louver, flat cross louvers (LI)

Option	Ready-to-install versions (KIT), inclusive lamp(s) and installation material
Material	Housing: pre-lacquered steel, white Corners, end caps: polycarbonate Optic: pre-lacquered steel or aluminum
Installation	Individual; screw mounting or clicking the luminaire into pre-screwed ceiling brackets (ready-to-install)
Main applications	Office, retail

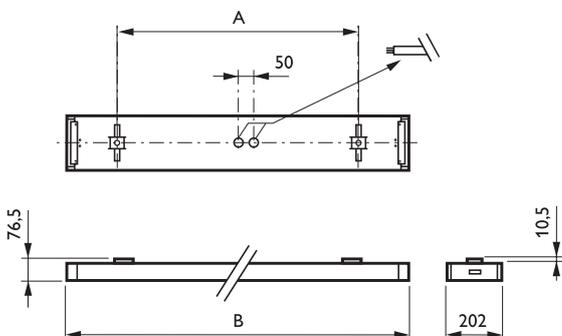


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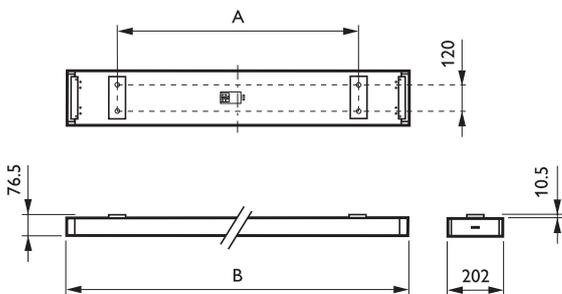
TCS160 1xTL-D

	A	B
36W	900	1267
58W	1200	1567



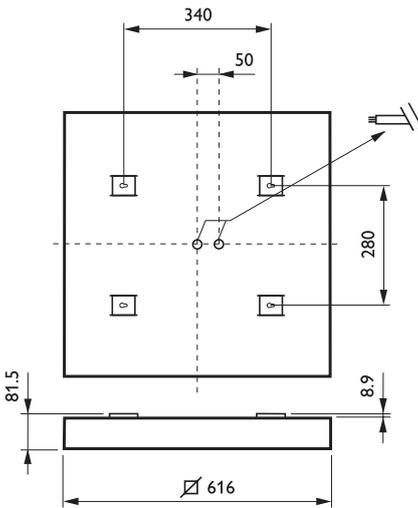
TCS160 2xTL-D

	A	B
36W	900	1267
58W	1200	1567



TCS160 2xTL-D (KIT)

	A	B
36W	900	1267
58W	1200	1567



TCSI 60 4 xTL-D

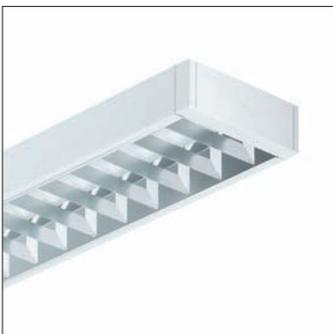


Centura2 TCSI 60 surface-mounted luminaire with white painted optic with flat lamellae (L1)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 1xTL-D36W IC L1	3.20	138114 00
TCSI 60 1xTL-D36W EI L1	2.70	138138 00
TCSI 60 1xTL-D58W IC L1	4.10	138152 00
TCSI 60 1xTL-D58W EI L1	3.50	138176 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted luminaire with high-gloss high-quality aluminum optic faceted with matt aluminum lamellae (C3)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 1xTL-D36W IC C3	2.90	138213 00
TCSI 60 1xTL-D36W EI C3	2.40	138237 00
TCSI 60 1xTL-D58W IC C3	3.80	138251 00
TCSI 60 1xTL-D58W EI C3	3.00	138275 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted luminaire with asymmetric beam (A)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 1xTL-D36W IC A	2.90	138374 00
TCSI 60 1xTL-D36W EI A	2.50	138381 00
TCSI 60 1xTL-D58W IC A	3.80	138398 00
TCSI 60 1xTL-D58W EI A	3.00	138404 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted luminaire with high-gloss high-quality aluminum optics with parabolic lamellae (C5)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 2xTL-D36W IC C5	3.80	138312 00
TCSI 60 2xTL-D36W EI C5	2.80	138329 00
TCSI 60 2xTL-D58W IC C5	5.30	138336 00
TCSI 60 2xTL-D58W EI C5	3.50	138343 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted luminaire with white painted optics with flat lamellae (L1)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 2xTL-D36W IC L1	3.70	138121 00
TCSI 60 2xTL-D36W EI L1	2.90	138145 00
TCSI 60 2xTL-D58W IC L1	5.10	138169 00
TCSI 60 2xTL-D58W EI L1	3.40	138183 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted luminaire with high-gloss high-quality aluminum optics faceted with matt aluminum lamellae (C3)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 2xTL-D36W IC C3	3.40	138220 00
TCSI 60 2xTL-D36W EI C3	2.50	138244 00
TCSI 60 2xTL-D58W IC C3	4.80	138268 00
TCSI 60 2xTL-D58W EI C3	3.20	138282 00
TCSI 60 2xTL-D36W HFP C3	2.60	138558 00
TCSI 60 2xTL-D58W HFP C3	3.10	138565 00

Please contact your local Philips representative for additional configurations



Centura2 TCSI 60 surface-mounted square luminaire with high-gloss high-quality aluminum optics with parabolic lamellae (C5)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCSI 60 4xTL-D18W IC C5	4.50	138350 00
TCSI 60 4xTL-D18W EI C5	4.70	138367 00
TCSI 60 4xTL-D18W IC C3	4.20	138299 00
TCSI 60 4xTL-D18W EI C3	3.40	138305 00
TCSI 60 4xTL-D18W IC L1	5.00	138190 00
TCSI 60 4xTL-D18W EI L1	4.30	138206 00

Please contact your local Philips representative for additional configurations

Modella



Modella – perfect blend

Modella TCSI25 is a luminaire for TL-D and TL5 linear fluorescent lamps with an attractive design to suit all interiors. It comes with a choice of smooth, easy-to-clean opal or prismatic covers. The covers can be suspended from the end caps to allow easy lamp replacement without the need for any tools.

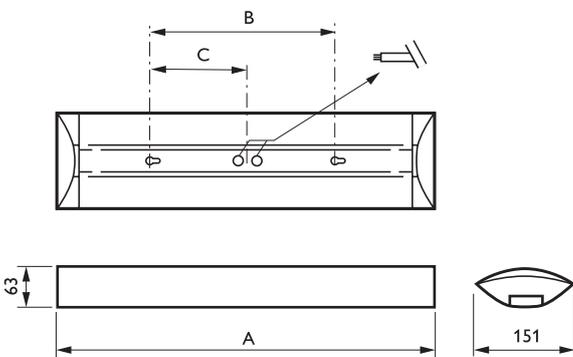
www.philips.com/lighting

Modella	
Type	TCS125
Light source	Fluorescent: 2 x or 1 x MASTER TL5 / G5 / 28, 35, 49, 54 W 2 x MASTER TL-D / G13 / 18, 36, 58 W
Lamp included	Yes (lamp color 830 or 840) No
Gear	Electro magnetic (low loss), 230 or 240 V / 50 Hz: Inductive (I) Inductive, parallel compensated (IC) Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator (HFR) Electronic Included (EI)

Optical cover	Opal cover (O) Prismatic cover (P) Prismatic cover polycarbonate (PCP)
Material	Housing: powder painted steel, white End-caps: plastic, white Cover: opal, or prismatic, internally ribbed (PMMA or PC)
Installation	Individual; screw ceiling mounting
Remarks	2 Cable-entry versions available (SH)
Main applications	Office, retail, hospitality, industry



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS125 SH

	A	B	C
18W CONV	680	450	210
18W HFP	680	450	115
28W, 54W	1242	882	530
36W	1292	930	465
35W, 49W	1542	1182	590
58W	1592	1230	615



Modella TCS125 surface-mounted luminaire with opal diffuser (O)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS125 2xTL-D36W EI O	2.20	123349 00
TCS125 2xTL-D58W EI O	2.60	123363 00
TCS125 2xTL-D18W I O	1.60	123387 00
TCS125 2xTL-D36W I O	3.10	123400 00
TCS125 2xTL-D58W I O	4.30	123424 00

Please contact your local Philips representative for additional configurations



Modella TCS125 surface-mounted luminaire with prismatic refractor (P)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCS125 2xTL-D36W EI P	2.20	123332 00
TCS125 2xTL-D58W EI P	2.60	123356 00
TCS125 2xTL-D18W I P	1.60	123370 00
TCS125 2xTL-D36W I P	3.10	123394 00
TCS125 2xTL-D58W I P	4.30	123417 00

Please contact your local Philips representative for additional configurations

TCSI47

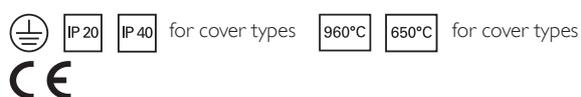


TCSI47 – for excellence and economy

TCSI47 is a surface-mounted luminaire for TL-D fluorescent lamps in office and shop applications. It features a wide range of performance optics and a low height of only 78 mm. If used with electronic gear, energy consumption is reduced by up to 25%.

TCSI47	
Type	TCSI47
Light source	Fluorescent: 2 × MASTER TL-D / G13 / 36 W (rectangular version) 4 × MASTER TL-D / G13 / 18 W (square version)
Lamp included	No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: Electronic Ballast Standard (EBS) Electronic Ballast Economy (EBE) for 2 × 36 W Electro magnetic, 230 V or 240 V / 50 Hz: Inductive (I) Parallel compensated (IC)
Optic	High-gloss optic, parabolic louvers (C5) High-gloss mirror; faceted (C3) Matt mirror; ribbed cross louvers (M2)

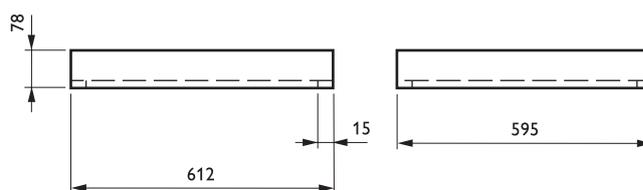
Optical cover	Prismatic cover (P) Opal cover (O)
Connection	Screw connection
Option	Available on request: Emergency lighting, 3 hours Gear: High Frequency Performer or Regulator Connection: Wieland
Material	Housing: post-painted steel, white RAL9010 Optic: anodized aluminum Optical cover: PET
Installation	Individual; screw to the ceiling
Main applications	Office, recreation, retail



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCSI47 2 × 36 W



TCSI47 4 × 18 W



TCSI47 surface-mounted luminaire with TL-D fluorescent lamps and a matt high-quality aluminum optic with profiled lamellae (M2)

Please contact your local Philips representative for ordering codes

TCS047



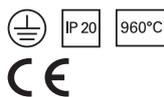
TCS047 – attractive value

TCS047 is a basic surface-mounted luminaire for TL-D fluorescent lamps in offices and shops.

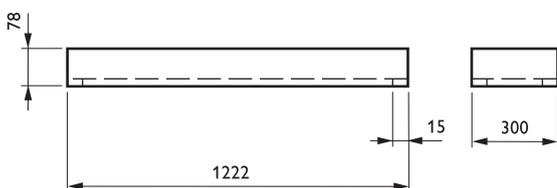
It features a low height of 78 mm. Energy consumption can be reduced by up to 25% if the luminaire is used with electronic gear.

TCS047	
Type	TCS047
Light source	Fluorescent: 2 × MASTER TL-D / G13 / 36 W (rectangular version) 4 × MASTER TL-D / G13 / 18 W (square version)
Lamp included	No
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: Electronic Ballast Economy (EBE) for 2 × 36 W Electronic Ballast Standard (EBS) for 4 × 18 W Electro magnetic, 230 V or 240 V / 50 Hz: Inductive (I) Parallel compensated (IC)
Optic	Matt mirror; profiled cross louvers (M)

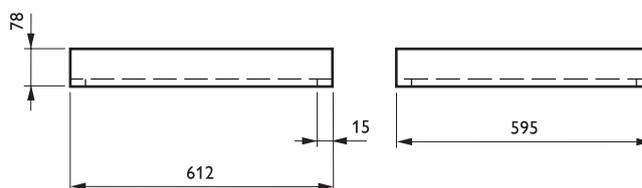
Connection	Screw connection
Option	Available on request: Emergency lighting, 3 hours Gear: High Frequency Performer or Regulator Connection: Wieland
Material	Housing: post-painted steel, white RAL9010 Optic: aluminum
Installation	Individual; screw to the ceiling
Main applications	Office, recreation, retail



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCS047 2 × TL-D



TCS047 4 × TL-D



TCS047 surface-mounted luminaire with TL-D fluorescent lamps and a matt aluminum optic with profiled lamellae (M)

Please contact your local Philips representative for ordering codes

SuperOmni



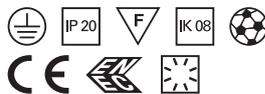
SuperOmni – impact protection

SuperOmni TCH/FCH48I is a luminaire suitable for TL-D, TL-5 and PL-L fluorescent lamps, specifically designed for multi-purpose sports halls and tennis centers. Its robust housing complete with integrated wire guard protects the lamps against ball impact. The luminaires can be surface-mounted, suspended or installed on trunking systems. The optical system features cross lamellae to prevent users looking directly into the lamps, thus reducing glare. The optical distribution can be changed to asymmetric by re-positioning the lamp holders within the optical system (TCH48I versions only).

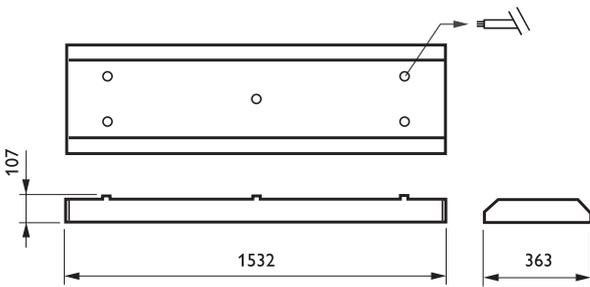
www.philips.com/lighting

	SuperOmni
Type	TCH481 (fluorescent lamp version) FCH481 (compact fluorescent version)
Light source	Fluorescent: 2 x or 3 x MASTER TL5 / G5 / 49, 80 W 2 x or 3 x MASTER TL-D / G13 / 58 W Compact fluorescent: 4 x MASTER PL-L 4 Pin / 2G11 / 55, 80 W
Lamp included	Yes (lamp color 830 or 840)
Gear	Electro magnetic (low loss), 230 or 240 V / 50 Hz: Inductive, parallel compensated (IC) Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP) High Frequency Regulator, DALI (HFD) High Frequency Regulator (HFR)
Optic	Matt mirror; ribbed cross louvers (M2) Matt mirror; ribbed louver; asymmetric (M2-A) (in fluorescent lamp version only)

Option	Emergency lighting: 3 hours (EL3) Switching: separate switching of lamps in 3-lamp version
Material	Housing: sheet steel, white Optic: aluminum, matt
Installation	Individual or in line; clicking the luminaire into pre-screwed ceiling brackets or suspended mounting with chains or on light-line systems
Accessory	Mounting brackets
Remarks	UK' within product designation for United Kingdom only
Main applications	Recreational



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TCH/FCH481



SuperOmni TCH/FCH481 sports luminaire



SuperOmni TCH/FCH481 sports luminaire

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCH481 2xTL-D-XE58W/840 HFP M2	10.00	008257 00
TCH481 2xTL-D58W IC LW M2	11.50	145891 00
TCH481 2xTL-D58W HFP M2	10.00	145907 00
TCH481 2xTL5-49W HFP M2	11.00	145921 00
TCH481 2xTL5-80W HFP M2	11.00	145945 00

Please contact your local Philips representative for additional configurations

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TCH481 3xTL-D-XE58W/840 IC M2 SW	16.00	008332 00
TCH481 3xTL-D-XE58W/840 HFP M2 SW	13.00	008349 00
TCH481 3xTL-D58W IC LW M2 SW	16.00	145969 00
TCH481 3xTL-D58W HFP M2 SW	13.00	145976 00
TCH481 3xTL5-49W HFP M2 SW	14.00	145990 00
TCH481 3xTL5-80W HFP M2 SW	14.00	146010 00

Please contact your local Philips representative for additional configurations



SuperOmni TCH/FCH481 sports luminaire

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
FCH481 4xPL-L55W HFP M2-A	9.00	147734 00
FCH481 4xPL-L80W HFP M2-A	9.00	147758 00
FCH481 4xPL-L55W/840 HFP M2	9.00	008400 00
FCH481 4xPL-L80W/840 HFP M2	9.00	008424 00
FCH481 4xPL-L55W HFP M2	9.00	146034 00
FCH481 4xPL-L80W HFP M2	9.00	146171 00

Please contact your local Philips representative for additional configurations

Accessories

Product ID	Description	EOC
ZCH481 2/4 MB-A30 (2PCS)		008509 00
ZCH481 3 MB-A30 (2PCS)		008516 00
ZCH481 2/4 MB (2PCS)		008493 00
ZCH481 3 MB (2PCS)		145884 00
ZCH481 2/4 RA SET9		008523 00
ZCH481 3 RA SET9		008530 00

Integral wire guard



Angled, 30°, mounting bracket used in conjunction with rail mounting



Angled, 30°, mounting bracket (ZCH481 MB-A30)



Rail mounting kit (ZCH481 RA)



Simple mounting bracket (ZCH481 MB)



Savio TWS760



Savio – pure light

Featuring Philips' patented micro-lens optic technology, Savio is a complete luminaire range that offers the ideal combination of stylish design and optimum performance for both task and general lighting.

Savio has an edge-to-edge lighting appearance with a uniform and comfortable brightness impression – a real 'surface of light'. The micro-lens optic consists of a single plate and is embedded in a housing made of high-quality natural anodized aluminum. Savio ensures optimum light distribution and full glare control in compliance with the latest office-lighting norm (EN 12464-1).

Savio is available as a full range: suspended, surface-mounted, recessed, free-standing and wall-mounted.

www.philips.com/lighting



Savio wall-mounted



Savio free floor-standing



Savio surface-mounted



Savio suspended



Savio recessed



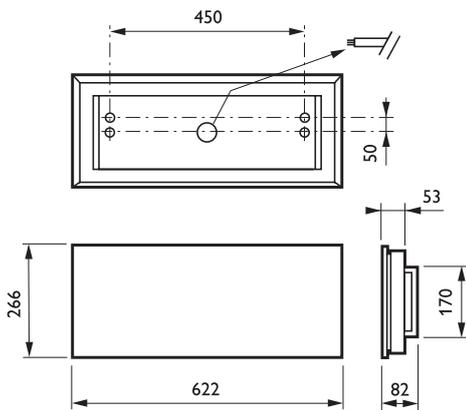
Savio TWS760

Savio	
Type	TWS760
Light source	Fluorescent: 2 x MASTER TL5 / G5 / 14 W
Lamp included	Yes (lamp color 830 or 840)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP)
Optical cover	Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector
Option	Euro fuse (FU) included

Material	Housing: anodized aluminum Micro-lens optic: polycarbonate Rim: polycarbonate (translucent)
Installation	Screw mounting, directly on surface
Remarks	Custom made solutions available on request
Main applications	Office, department stores



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TWS760



Savio TWS760 wall-mounted luminaire with polycarbonate micro-lens optic (PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TWS760 2x14W/840 HFP PC-MLO	4.40	750392.00

Please contact your local Philips representative for additional configurations



Arano TWS640



Arano – uplight box

Arano wall-mounted TWS640 is a luminaire for decorative and accent lighting, featuring TL5 fluorescent lamp technology and Philips' MLO micro-optics.

Besides the wall-mounted TWS640, the Arano range also includes surface-mounted, suspended and free floor-standing luminaires, making this product family an excellent choice with complete project solutions.

www.philips.com/lighting

Arano wall-mounted



Arano Nordic suspended



Arano free floor-standing



Arano suspended



Arano surface-mounted

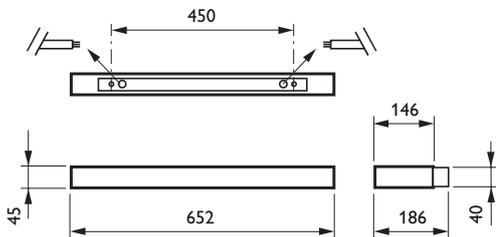


Arano	
Type	TWS640
Light source	Fluorescent: 1 x MASTER TL5 / G5 / 24 W
Lamp included	Yes (lamp color 830 or 840)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP)
Optical cover	Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector

Option	Emergency lighting: 3 hours (EL3) Euro fuse (FU) included
Material	Housing: anodized aluminum Micro-lens optic: polycarbonate Rim: polycarbonate (translucent)
Installation	Screw mounting, directly on surface
Remarks	Custom made solutions available on request
Main applications	Office, department stores



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TWS640



Arano TWS640 wall-mounted luminaire with polycarbonate micro-lens optic (PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TWS640 1xTL5-24W/830 HFP PC-MLO EL3 ALU	2.50	493138 00
TWS640 1xTL5-24W/840 HFP PC-MLO ALU	2.50	750514 00
TWS640 1xTL5-24W/830 HFP PC-MLO ALU	2.50	750521 00
TWS640 1xTL5-24W/840 HFP PC-MLO FU ALU	2.50	757865 00

Please contact your local Philips representative for additional configurations

Celino TWS680



Celino – light beam

Celino is a complete luminaire range that reflects the market trend towards miniaturization and architectural integration, while at the same time delivering a significant advance in optical performance.

Celino features Philips' aluminum micro optic with 3D lamellae, which ensures optimum visual comfort and efficiency in compliance with the latest office-lighting norm (EN 12464-1). Made of natural anodized aluminum, the housing of Celino is a mere 71 mm wide and has die-cast-aluminum end caps. The design allows multiple luminaires to be connected in a line arrangement.

Celino is available as a full range – suspended, surface-mounted, free-standing and wall-mounted – for maximum freedom in application.

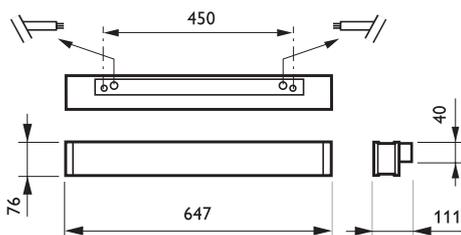
www.philips.com/lighting

Celino	
Type	TWS680
Light source	Fluorescent: 1 x MASTERTL5 / G5 / 24 W
Lamp included	Yes (lamp color 830 or 840)
Gear	Electronic, 220 - 240 V / 50 - 60 Hz: High Frequency Performer (HFP)
Optical cover	Polycarbonate micro lens optic (PC-MLO)
Connection	Push-in connector

Option	Euro fuse (FU) included
Material	Housing: natural anodized aluminum End caps: die-cast aluminum Cover: polycarbonate
Installation	Screw mounting, directly on surface
Main applications	Offices, education, healthcare, retail



Where relevant, for detailed descriptions of Lighting Controls we refer you to chapter 11, and descriptions for e.g. optics/optical covers, lamps data, photometrical diagrams, etc. to the respective sections in chapter 12.



TWS680



Celino TWS680 wall-mounted luminaire with polycarbonate micro-lens optic (PC-MLO)

Preferred selection

Product ID	Weight (kg)	European Order Code (EOC)
TWS680 1xTL5-24W/840 HFP PC-MLO ALU	2.20	750453 00
TWS680 1xTL5-24W/830 HFP PC-MLO ALU	2.20	750460 00
TWS680 1xTL5-24W/840 HFP PC-MLO FU ALU	2.20	757834 00

Please contact your local Philips representative for additional configurations

Celino wall-mounted



Celino recessed TBS692



Celino free floor-standing



Celino surface-mounted



Celino suspended



Celino recessed TBS690

