



# Intelligent Sereno – smart savings, quality light

## Intelligent Sereno TBS869/528

Customers want green buildings in order to save energy, reduce running costs and enhance their sustainability credentials. Intelligent Sereno is a TL5 recessed luminaire family, which integrates intelligent daylight linking and presence detection for automatic energy saving. At the same time, its advanced optical technology maintains the quality of light at the office norm level.

### Benefits

- Green: up to 75% reduction in CO<sub>2</sub> emissions
- Up to 75% saving on running costs
- Range of functionality: dimming, presence detection, daylight sensing; works seamlessly with other control options

### Features

- Smart energy and cost saving: automatic daylight sensing and presence detection
- Design freedom: integrated sensors keep ceiling clean
- Easy connection: foolproof connector ensures quick and reliable installation
- Excellent quality of light thanks to patented OLC (Omnidirectional Luminance Control) optical technology
- Can be applied on range of scales from single cell office to whole building

### Application

- General lighting for office buildings

### Specifications

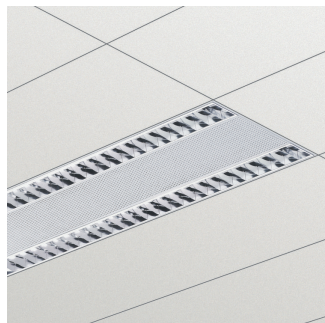
## Intelligent Sereno TBS869/528

|                            |                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type</b>                | Standard versions:<br>- TBS869 (D8, D8H, C8H optic versions)<br>- TBS528 (M8 optic version)<br>- TBS528 (opal prismatic cover version)<br>Armstrong TechZone board ceiling versions:<br>- TBS869 (D8, 1-lamp version)<br>- TBS528 (optical cover, 1-lamp version) |
| <b>Ceiling type / grid</b> | Standard versions:<br>- Exposed- and symmetrical concealed T-bar ceiling, module size in length: 600 mm<br>Armstrong ceiling versions:<br>- Angeled tegular (TLR-T24)<br>- Beveled tegular (MLK-T15)                                                              |
| <b>Light source</b>        | Fluorescent:<br>- Standard versions: 1, 2, 3 or 4 x MASTER TL5 / G5 / 14, 28, 35, 49, 54 W<br>- Armstrong ceiling versions: 1 x MASTER TL5 / G5 / 28, 35, 49, 54 W                                                                                                |

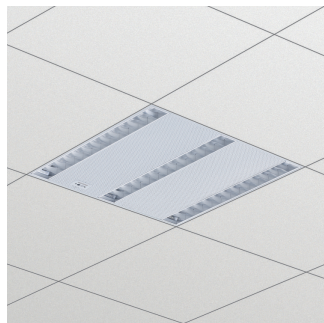
## Specifications

|                      |                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Infill plates</b> | In-fill panel, perforated, for standard versions                                                                                                                                                                                                                                                                                  |
| <b>Options</b>       | Standard versions:<br>- Controls: ActiLume multi controller (ACL) Luxsense daylight controller (LX)<br>- Fused Terminal Block (FTB)<br>Armstrong ceiling versions:<br>- ActiLume multi controller (ACL)                                                                                                                           |
| <b>Connection</b>    | Push-in connector                                                                                                                                                                                                                                                                                                                 |
| <b>Material</b>      | Standard versions:<br>- Housing: high-quality steel, painted with standard white RAL 9003<br>Armstrong ceiling versions:<br>- Housing: high-quality steel, painted white, matching Armstrong TechZone global white ceiling system<br>All versions:<br>- Optics: high-purity pre-anodized aluminum sheet in a semi-specular finish |

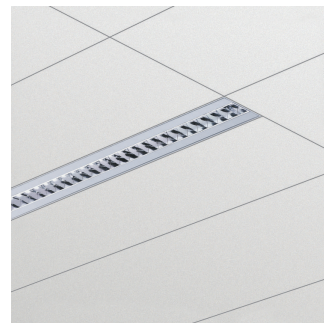
## Versions



TBS869 C 2xTL5 FTB



TBS869 C 3xTL5

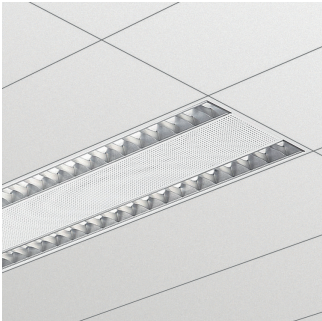


|                      |                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lamp included</b> | No                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Ballast</b>       | Electronic, High Frequency 220-240 V / 50-60 Hz:<br>- Regulator, DALI (HFD), all versions<br>- Regulator, 1-10 V (HFR), standard versions only<br>- HF-Performer (HFP), Armstrong ceiling versions only                                                                                                                                                                    |
| <b>Optic</b>         | TBS869, standard versions:<br>- Micro OLC high-efficiency semi-high-gloss optic (D8-H)<br>- Micro OLC high-efficiency high-gloss optic (C8-H) (for 1-lamp version only)<br>- Micro OLC performer semi-high-gloss optic (D8)<br>TBS869, Armstrong ceiling versions:<br>- Micro OLC performer semi-high-gloss optic (D8)<br>TBS528:<br>- Micro OLC performer matt optic (M8) |
| <b>Optical cover</b> | TBS528, standart version: opal prismatic cover (OP)<br>TBS528, Armstrong ceiling versions: opal cover (O)                                                                                                                                                                                                                                                                  |

|                     |                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Installation</b> | Standard versions:<br>- Individual; lay-in in exposed ceiling grids or with ceiling brackets in concealed ceiling grids<br>Armstrong ceiling versions:<br>- Individual; lay-in in exposed ceiling grids |
| <b>Accessories</b>  | Standard versions:<br>- Suspension bracket set, cable with male-female plugs, cable with SAA plug                                                                                                       |
| <b>Remarks</b>      | Standard versions are not applicable for Armstrong TechZone ceiling systems                                                                                                                             |

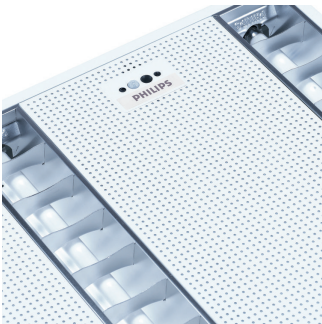
# Intelligent Sereno TBS869/528

## Versions



TBS869 C 2xTL5 IPP

## Product details



ActiLume provides daylight regulation, occupancy control and personal regulation for maximum visual comfort and automatic energy saving



Luxsense provides daylight regulation for maximum comfort and automatic energy saving



Data connector positioned outside the housing

|                          |      |
|--------------------------|------|
| Approval and Application |      |
| Ingress protection code  | IP20 |
| General Information      |      |
| Kombipack                | -    |
| Lamp family code         | TL5  |

## General Information (1/2)

| Order Code   | Full Product Name                 | Air-handling | Ceiling profile | Optical cover/lens type | Gear | Lamp power | Embedded control | Number of light sources |
|--------------|-----------------------------------|--------------|-----------------|-------------------------|------|------------|------------------|-------------------------|
| 910403630606 | TBS869 C 2xTL5-28W HFD D8 ACL FTB | -            | -               | -                       | HFD  | 28 W       | ActiLume         | 2 pcs                   |
| 910403630607 | TBS869 C 2xTL5-28W HFR D8 LX FTB  | -            | -               | -                       | HFR  | 28 W       | Luxsense         | 2 pcs                   |

| Order Code   | Full Product Name                   | Air-handling | Ceiling profile | Optical cover/lens type | Gear | Lamp power | Embedded control | Number of light sources |
|--------------|-------------------------------------|--------------|-----------------|-------------------------|------|------------|------------------|-------------------------|
| 910403630608 | TBS869 C 3xTL5-14W HFR D8 LX FTB    | -            | -               | -                       | HFR  | 14 W       | Luxsense         | 3 pcs                   |
| 910403630609 | TBS869 C 3xTL5-28W HFR D8 LX FTB    | -            | -               | -                       | HFR  | 28 W       | Luxsense         | 3 pcs                   |
| 910403630622 | TBS528 2xTL5-28W HFR M8 LX FTB      | -            | -               | -                       | HFR  | 28 W       | Luxsense         | 2 pcs                   |
| 910403630634 | TBS528 2xTL5-28W HFD M8 ACL FTB     | -            | -               | -                       | HFD  | 28 W       | ActiLume         | 2 pcs                   |
| 910403630659 | TBS528 1x28W HFP O FU WH            | -            | -               | Opal                    | HFP  | 28 W       | -                | 1 pc                    |
| 910403630660 | TBS528 1x28W HFP O FU TLR-T24 WH    | -            | Tegular T24     | Opal                    | HFP  | 28 W       | -                | 1 pc                    |
| 910403630661 | TBS528 1x28W HFP O FU MLK-T15 WH    | -            | Microlook T15   | Opal                    | HFP  | 28 W       | -                | 1 pc                    |
| 910403630662 | TBS528 1x35W HFP O FU WH            | -            | -               | Opal                    | HFP  | 35 W       | -                | 1 pc                    |
| 910403630663 | TBS528 1x35W HFP O FU TLR-T24 WH    | -            | Tegular T24     | Opal                    | HFP  | 35 W       | -                | 1 pc                    |
| 910403630664 | TBS528 1x35W HFP O FU MLK-T15 WH    | -            | Microlook T15   | Opal                    | HFP  | 35 W       | -                | 1 pc                    |
| 910403630665 | TBS528 1x49W HFP O FU WH            | -            | -               | Opal                    | HFP  | 49 W       | -                | 1 pc                    |
| 910403630666 | TBS528 1x49W HFP O FU TLR-T24 WH    | -            | Tegular T24     | Opal                    | HFP  | 49 W       | -                | 1 pc                    |
| 910403630667 | TBS528 1x49W HFP O FU MLK-T15 WH    | -            | Microlook T15   | Opal                    | HFP  | 49 W       | -                | 1 pc                    |
| 910403630668 | TBS528 1x54W HFP O FU WH            | -            | -               | Opal                    | HFP  | 54 W       | -                | 1 pc                    |
| 910403630669 | TBS528 1x54W HFP O FU TLR-T24 WH    | -            | Tegular T24     | Opal                    | HFP  | 54 W       | -                | 1 pc                    |
| 910403630670 | TBS528 1x54W HFP O FU MLK-T15 WH    | -            | Microlook T15   | Opal                    | HFP  | 54 W       | -                | 1 pc                    |
| 910403630671 | TBS869 C 1x28W HFP D8 FU WH         | -            | -               | -                       | HFP  | 28 W       | -                | 1 pc                    |
| 910403630672 | TBS869 C 1x28W HFP D8 FU TLR-T24 WH | -            | Tegular T24     | -                       | HFP  | 28 W       | -                | 1 pc                    |
| 910403630673 | TBS869 C 1x28W HFP D8 FU MLK-T15 WH | -            | Microlook T15   | -                       | HFP  | 28 W       | -                | 1 pc                    |
| 910403630680 | TBS869 C 1x35W HFP D8 FU WH         | -            | -               | -                       | HFP  | 35 W       | -                | 1 pc                    |
| 910403630681 | TBS869 C 1x35W HFP D8 FU TLR-T24 WH | -            | Tegular T24     | -                       | HFP  | 35 W       | -                | 1 pc                    |
| 910403630682 | TBS869 C 1x35W HFP D8 FU MLK-T15 WH | -            | Microlook T15   | -                       | HFP  | 35 W       | -                | 1 pc                    |
| 910403630683 | TBS869 C 1x49W HFP D8 FU TLR-T24 WH | -            | Tegular T24     | -                       | HFP  | 49 W       | -                | 1 pc                    |
| 910403630684 | TBS869 C 1x49W HFP D8 FU MLK-T15 WH | -            | Microlook T15   | -                       | HFP  | 49 W       | -                | 1 pc                    |
| 910403630685 | TBS869 C 1x49W HFP D8 FU WH         | -            | -               | -                       | HFP  | 49 W       | -                | 1 pc                    |
| 910403630686 | TBS869 C 1x54W HFP D8 FU MLK-T15 WH | -            | Microlook T15   | -                       | HFP  | 54 W       | -                | 1 pc                    |
| 910403630687 | TBS869 C 1x54W HFP D8 FU WH         | -            | -               | -                       | HFP  | 54 W       | -                | 1 pc                    |
| 910403630688 | TBS869 C 1x54W HFP D8 FU TLR-T24 WH | -            | Tegular T24     | -                       | HFP  | 54 W       | -                | 1 pc                    |
| 910403630693 | TBS869 C 2xTL5-35W HFA D8 FU IPP    | -            | -               | -                       | HFA  | 35 W       | -                | 2 pcs                   |

## General Information (2/2)

| Order Code   | Full Product Name                 | Optic type                              | Order Code   | Full Product Name                   | Optic type                              |
|--------------|-----------------------------------|-----------------------------------------|--------------|-------------------------------------|-----------------------------------------|
| 910403630606 | TBS869 C 2xTL5-28W HFD D8 ACL FTB | Semi-high-gloss optic 3D micro-lamellae | 910403630668 | TBS528 1x54W HFP O FU WH            | -                                       |
| 910403630607 | TBS869 C 2xTL5-28W HFR D8 LX FTB  | Semi-high-gloss optic 3D micro-lamellae | 910403630669 | TBS528 1x54W HFP O FU TLR-T24 WH    | -                                       |
| 910403630608 | TBS869 C 3xTL5-14W HFR D8 LX FTB  | Semi-high-gloss optic 3D micro-lamellae | 910403630670 | TBS528 1x54W HFP O FU MLK-T15 WH    | -                                       |
| 910403630609 | TBS869 C 3xTL5-28W HFR D8 LX FTB  | Semi-high-gloss optic 3D micro-lamellae | 910403630671 | TBS869 C 1x28W HFP D8 FU WH         | Semi-high-gloss optic 3D micro-lamellae |
| 910403630622 | TBS528 2xTL5-28W HFR M8 LX FTB    | Matt optic 3D micro-lamellae            | 910403630672 | TBS869 C 1x28W HFP D8 FU TLR-T24 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630634 | TBS528 2xTL5-28W HFD M8 ACL FTB   | Matt optic 3D micro-lamellae            | 910403630673 | TBS869 C 1x28W HFP D8 FU MLK-T15 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630659 | TBS528 1x28W HFP O FU WH          | -                                       | 910403630680 | TBS869 C 1x35W HFP D8 FU WH         | Semi-high-gloss optic 3D micro-lamellae |
| 910403630660 | TBS528 1x28W HFP O FU TLR-T24 WH  | -                                       | 910403630681 | TBS869 C 1x35W HFP D8 FU TLR-T24 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630661 | TBS528 1x28W HFP O FU MLK-T15 WH  | -                                       | 910403630682 | TBS869 C 1x35W HFP D8 FU MLK-T15 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630662 | TBS528 1x35W HFP O FU WH          | -                                       | 910403630683 | TBS869 C 1x49W HFP D8 FU TLR-T24 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630663 | TBS528 1x35W HFP O FU TLR-T24 WH  | -                                       | 910403630684 | TBS869 C 1x49W HFP D8 FU MLK-T15 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630664 | TBS528 1x35W HFP O FU MLK-T15 WH  | -                                       |              |                                     |                                         |
| 910403630665 | TBS528 1x49W HFP O FU WH          | -                                       |              |                                     |                                         |
| 910403630666 | TBS528 1x49W HFP O FU TLR-T24 WH  | -                                       |              |                                     |                                         |
| 910403630667 | TBS528 1x49W HFP O FU MLK-T15 WH  | -                                       |              |                                     |                                         |

## Intelligent Sereno TBS869/528

| Order Code   | Full Product Name                   | Optic type                              |
|--------------|-------------------------------------|-----------------------------------------|
| 910403630685 | TBS869 C 1x49W HFP D8 FU WH         | Semi-high-gloss optic 3D micro-lamellae |
| 910403630686 | TBS869 C 1x54W HFP D8 FU MLK-T15 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630687 | TBS869 C 1x54W HFP D8 FU WH         | Semi-high-gloss optic 3D micro-lamellae |

| Order Code   | Full Product Name                   | Optic type                              |
|--------------|-------------------------------------|-----------------------------------------|
| 910403630688 | TBS869 C 1x54W HFP D8 FU TLR-T24 WH | Semi-high-gloss optic 3D micro-lamellae |
| 910403630693 | TBS869 C 2xTL5-35W HFA D8 FU IPP    | Semi-high-gloss optic 3D micro-lamellae |

### Mechanical and Housing

| Order Code   | Full Product Name                 | Color |
|--------------|-----------------------------------|-------|
| 910403630606 | TBS869 C 2xTL5-28W HFD D8 ACL FTB | -     |
| 910403630607 | TBS869 C 2xTL5-28W HFR D8 LX FTB  | -     |
| 910403630608 | TBS869 C 3xTL5-14W HFR D8 LX FTB  | -     |
| 910403630609 | TBS869 C 3xTL5-28W HFR D8 LX FTB  | -     |
| 910403630622 | TBS528 2xTL5-28W HFR M8 LX FTB    | -     |
| 910403630634 | TBS528 2xTL5-28W HFD M8 ACL FTB   | -     |
| 910403630659 | TBS528 1x28W HFP O FU WH          | White |
| 910403630660 | TBS528 1x28W HFP O FU TLR-T24 WH  | White |
| 910403630661 | TBS528 1x28W HFP O FU MLK-T15 WH  | White |
| 910403630662 | TBS528 1x35W HFP O FU WH          | White |
| 910403630663 | TBS528 1x35W HFP O FU TLR-T24 WH  | White |
| 910403630664 | TBS528 1x35W HFP O FU MLK-T15 WH  | White |
| 910403630665 | TBS528 1x49W HFP O FU WH          | White |
| 910403630666 | TBS528 1x49W HFP O FU TLR-T24 WH  | White |
| 910403630667 | TBS528 1x49W HFP O FU MLK-T15 WH  | White |
| 910403630668 | TBS528 1x54W HFP O FU WH          | White |

| Order Code   | Full Product Name                   | Color |
|--------------|-------------------------------------|-------|
| 910403630669 | TBS528 1x54W HFP O FU TLR-T24 WH    | White |
| 910403630670 | TBS528 1x54W HFP O FU MLK-T15 WH    | White |
| 910403630671 | TBS869 C 1x28W HFP D8 FU WH         | White |
| 910403630672 | TBS869 C 1x28W HFP D8 FU TLR-T24 WH | White |
| 910403630673 | TBS869 C 1x28W HFP D8 FU MLK-T15 WH | White |
| 910403630680 | TBS869 C 1x35W HFP D8 FU WH         | White |
| 910403630681 | TBS869 C 1x35W HFP D8 FU TLR-T24 WH | White |
| 910403630682 | TBS869 C 1x35W HFP D8 FU MLK-T15 WH | White |
| 910403630683 | TBS869 C 1x49W HFP D8 FU TLR-T24 WH | White |
| 910403630684 | TBS869 C 1x49W HFP D8 FU MLK-T15 WH | White |
| 910403630685 | TBS869 C 1x49W HFP D8 FU WH         | White |
| 910403630686 | TBS869 C 1x54W HFP D8 FU MLK-T15 WH | White |
| 910403630687 | TBS869 C 1x54W HFP D8 FU WH         | White |
| 910403630688 | TBS869 C 1x54W HFP D8 FU TLR-T24 WH | White |
| 910403630693 | TBS869 C 2xTL5-35W HFA D8 FU IPP    | White |

