

THORN

MenloSoft SR

Perfectly balanced light for a stimulating office environment





Stylish looks, stimulating lighting...

Combining the benefits of a recessed luminaire with a slim suspended optic, MenloSoft SR blends upward and downward light for a simple, attractive solution to perfectly balanced office lighting

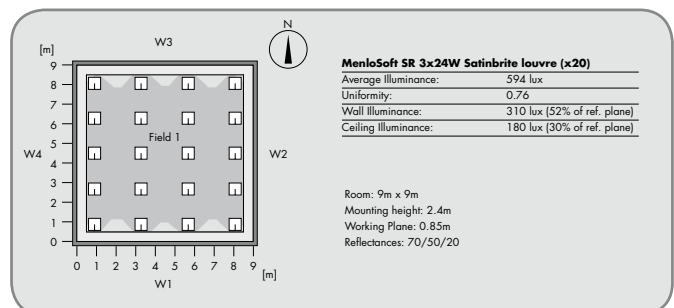
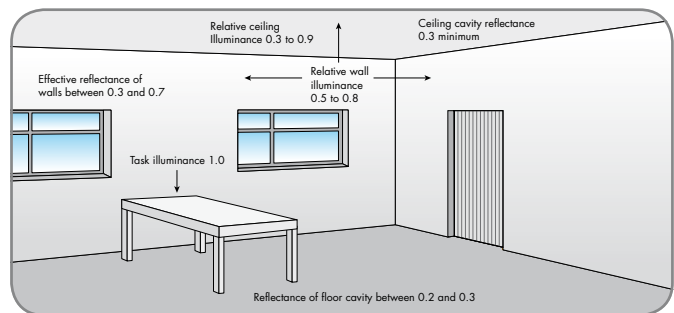
Its sleek, floating optic effectively illuminates task areas, walls and ceilings with just one stylish and efficient luminaire type that lays easily into ceiling grids, minimising lighting scheme complexity.

The result is a vibrant, comfortable working environment, which can contribute to a happier, more productive workforce.



- MenloSoft SR delivers best practice office lighting by combining a uniformly lit task area with visual interest in the wider space to create uplifting lit office environments
- Its fully recessed body and sleek suspended optic gives the impression of a floating luminaire, minimising intrusion into the room space
- As the elegant design complements our recessed MenloSoft luminaire, lighting schemes can be coordinated across various applications in the building

- Provides perfectly balanced illumination of all room surfaces without supplementary lighting – 30% of horizontal working plane illuminance on ceiling and 50% on walls
- The sophisticated optical design with a choice of louvre and diffuser optics provides efficient light output (>60%) with glare control within recommended limits for modern display screens
- Complete luminaire packed with body and optic





Satinbrite louvre



Prismtech diffuser



300 x 1200mm

Introduction to the range

An attractive and unobtrusive design producing a balance of upward and downward light to create a stimulating lit working environment

- Fully recessed body with slim profile optic, suspended 82mm below ceiling, minimises intrusion into the room space, making it suitable for low ceilings
- Versions available with central louvre or diffuser optics and microperforated side wings in MenloSoft family design, offering a choice of aesthetic appearance and performance options
- Supplied with lamps and panel mounted GST male connector for ease and speed of installation, with hinged magnetic optic for easy tool-free maintenance (for installation details please see page 14)
- Available in 600 x 600mm and 300 x 1200mm versions with unique wedge brackets included to allow installation in a wide range of ceiling types and room sizes



- Available with High Frequency or digital dimmable control gear for use with lighting controls systems for additional flexibility, with the option of integral mini Sensa head for intelligent luminaires
- 3 hour SelfTest emergency versions including diffuser, available as standard

Lamps

☰ 14-28W, T16 (FDH)
3000K linear fluorescent.
Cap: G5

Materials/Finish

Body and reflectors: white painted steel
Suspended optic: micro-perforated white painted steel wings, aluminium reflectors and partially perforated white painted steel baffle
Louvre: aluminium in Satinbrite finish
Diffuser: polycarbonate in prismatic finish
End caps: white polycarbonate

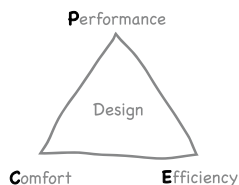
Standards

Designed and manufactured to comply with EN 60598
Emergency version with EN 605982.22
⊕ Class I Electrical
850° fire retardant
Ta 0 - 25°C
IK 03 impact resistance
IP20
⚡ (in preparation)
⚡ CE



Improving quality of life by lighting people and places

Thorn Lighting's aim is to **improve quality of life by lighting people and places**. Supporting this mission is our **PEC** programme. This provides a framework to deliver efficient and reliable lighting, contributing to a healthy and comfortable environment, and is based on the principle that three main factors influence quality in a lighting installation:



These three factors have the potential to positively or negatively affect quality of life and our natural environment:

Performance: Providing the best visual effectiveness

Efficiency: Minimising the use of energy

Comfort: Giving people satisfaction and stimulation

These PEC principles are embodied in both our product design and lighting scheme design and we need to address all three factors to really improve quality of life.

MenloSoft SR has therefore been designed to fulfil all criteria for achieving PEC in today's demanding office environments.

From its stylish yet practical design and sublime lighting performance, to its operating efficiency and ease of installation and maintenance, MenloSoft SR offers an unbeatable package for office lighting in one attractive product.

Performance

Providing the best visual effectiveness

In an office environment we need good visual effectiveness to enable us to concentrate and perform our tasks effectively and without distraction.

With an LOR of over 60% and high lumen packages from 3 or 4 T5(T16) lamps, lighting schemes using MenloSoft SR can easily be designed with good task illuminance and uniformity, allowing excellent visual performance in any part of the office. The use of T5(T16) lamps also produces excellent colour rendering ability for detailed tasks.

The sophisticated optical design of MenloSoft SR distributes light downwards and sideways in a batwing style to ensure not only horizontal illumination of the work surface but also good vertical illumination of human features and objects. Its ability to provide high contrast rendering also minimises unwanted shiny reflections in the task which can affect concentration and visibility.



Depressing and uninteresting: Traditional recessed louvre luminaires alone create a gloomy office with the 'cave effect'



Lively and visually interesting: MenloSoft SR alone lights ceiling and walls to create a more stimulating office environment

Efficiency

Minimising the use of energy

Good artificial lighting is essential to our quality of life as poor lighting can reduce our performance and comfort. However, using too much energy produces harmful levels of CO₂ emissions into our natural environment, threatening overall quality of life for the future.

Concerns over climate change and environmental damage have prompted the Energy Performance of Buildings Directive (EPBD) to set energy performance standards for all buildings in Europe. With lighting accounting for up to 20% of energy consumption, it is understandable that built-in lighting installations are an important aspect of the EPBD energy performance calculation.

With MenloSoft SR, energy efficiency is achievable without compromising the quality of lighting. Efficient lamp and gear combinations and high LOR provide luminaire efficacies up to 52 luminaire lumens/circuit Watt.

High lumen packages and broad light distribution also minimise the number of luminaires required to achieve the required lighting levels.

The EPBD also recommends using lighting controls to take advantage of our most efficient light source: the sun. People are typically away from their workstations 40% of the time and most work stations benefit from some daylight most of the day. Using MenloSoft SR with presence and daylight detectors and lighting controls can therefore dramatically reduce energy consumption by providing artificial light only when and where it is needed. This can be an important factor in achieving the target emission rate set down by the EPBD.

By integrating additional functionality into one luminaire, MenloSoft SR also allows increased efficiency of operation. The MenloSoft SR range includes versions with an integral daylight/presence detector, emergency lighting versions with an integral daylight/presence detector and emergency lighting as standard.

Comfort

Giving people satisfaction and stimulation

A key aspect of MenloSoft SR's design was to achieve the optimum light distribution for stimulating office environments. With its precise combination of upward, sideways and downward light it illuminates not only the task but also the walls and ceiling in one efficient package.

This eliminates the so-called 'cave effect' created by high task illumination and gloomy ceilings and walls which can cause discomfort to workers as their eyes periodically adjust between the two extremes.

By creating visual interest in the wider space MenloSoft SR also creates a more uplifting and stimulating atmosphere in the room, which can increase worker comfort and satisfaction and consequently reduce absenteeism.

Managing discomfort from glare is another important consideration, and MenloSoft SR's range of optics offer glare control within adequate luminance limits for modern display screens without compromising on quality of light.

Furthermore, the option of lighting controls with automatic and manual control allows users to choose the most comfortable lighting level, whilst a dual lamp colour temperature option takes comfort and control one step further (see page 9 for more detail).

With its optimum lighting performance, easy to use controls and excellent architectural integration, MenloSoft SR is the perfect choice for a vibrant and healthy office environment.



Lighting Controls to suit all applications

The MenloSoft SR range has been designed to offer lighting controls for every type and size of application. For small or simple office lighting schemes, intelligent luminaires are available with an integrated mini Sensa detector which will respond to presence and daylight fluctuations by controlling the light output.

The integrated Sensa head can control up to 4 luminaires without complex wiring or programming, providing easy plug and play lighting controls.

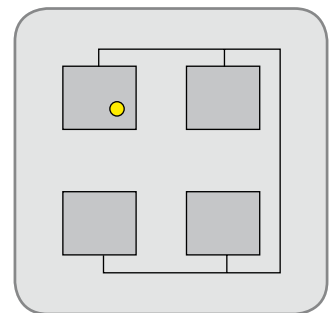
Sensa Luminaires are supplied with default control settings for presence detection. To customise luminaire settings for presence and light detection, a simple to use hand held programming tool is available which configures the luminaires remotely from the ground. For increased user control and comfort a hand held infra-red controller is available which allows the user to locally override the programmed settings to select his/her own preferred light levels.

In larger applications where central lighting management systems may be preferred, MenloSoft SR luminaires are available with digital dimmable ballasts that can be configured to be controlled by DSI signalling systems and external detector heads.

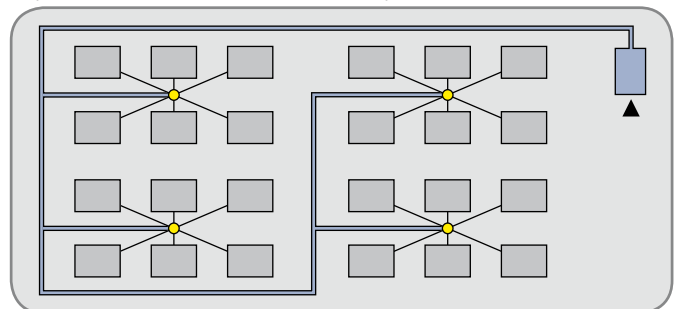
Thorn Lighting offers a range of lighting controls solutions and accessories. Contact your local sales office for further information.



Integrated Sensa Head



Integrated Sensa Head



Lighting Control System with External Sensor



Dual colour temperature

A dual lamp colour temperature option takes comfort and control one step further. Here the outer lamps providing upward light are replaced with a very cool white lamp (17000K), whilst the standard 4000K central lamp provides a normal colour temperature in the task area. Easy to use controls allow this balance of very cool and warmer light to be adjusted automatically or manually to provide changes as required or throughout the day.

Contact your local sales office for further information



Dual colour temperature

Stylish and hassle-free Emergency Lighting

European directives dictate that emergency lighting is required in all public places to enable a safe exit if the normal lighting fails. In open areas such as offices, anti-panic emergency lighting has to provide sufficient light to avoid panic in an emergency or mains failure.

Emergency lighting is of course worthless if it's not properly maintained. As a consequence there are increasingly stringent legal requirements to regularly inspect, test and maintain emergency lighting in workplaces or public buildings.

With Explorer SelfTest versions of MenloSoft SR, an integral diagnostic microprocessor monitors and automatically tests the emergency functions of the luminaire at intervals compliant with European legislation. A bi-colour LED on the luminaire indicates battery and lamp health, allowing easy and early detection of faults without the need for costly manual testing by a competent person.

Easy to install and requiring no additional cabling, SelfTest provides simple, cost-effective and reliable standalone automatic testing.

Ordering Guide

Photometrics

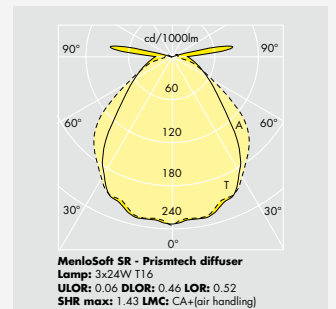
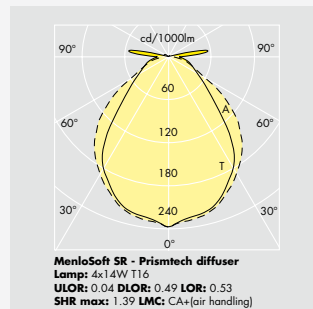
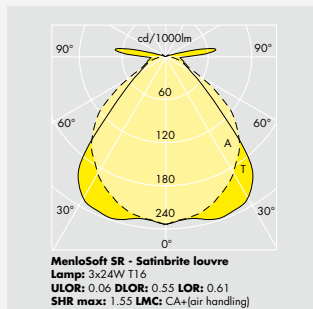
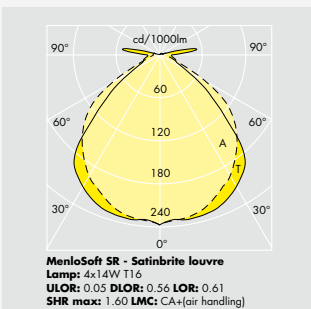
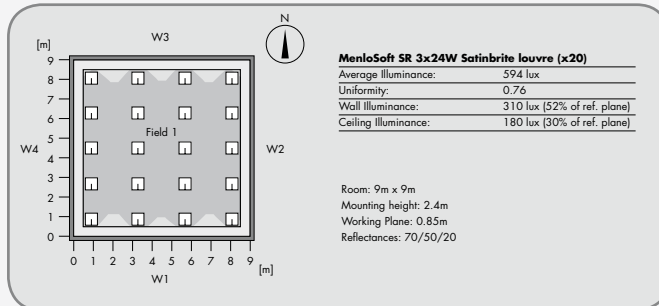
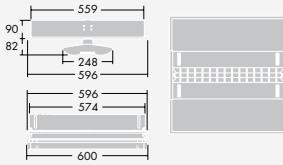
Dimensions



Satinbrite louvre



Prismtech diffuser



MenloSoft SR 600 x 600 version

Ordering Guide Supplied complete with lamps 3000K.

Description	Icos-Code	Socket	Weight (kg)	EAN Code
Satinbrite louvre				
MENLOSFT SR 3X24W HF DSB WL4 I1830	FDH	G5	8,4	50.18843.850039
MENLOSFT SR 3X24W HFD DSB WL6 I1830	FDH	G5	8,4	50.18843.850046
MENLOSFT SR 3X24W HFS DSB WL6 I1830	FDH	G5	8,4	50.18843.850169
MENLOSFT SR 4X14W HF DSB WL4 I1830	FDH	G5	8,4	50.18843.850077
MENLOSFT SR 4X14W HFD DSB WL6 I1830	FDH	G5	8,4	50.18843.850084
MENLOSFT SR 4X14W HFS DSB WL6 I1830	FDH	G5	8,4	50.18843.850206
Prismtech diffuser				
MENLOSFT SR 3X24W HF PR WL4 I1830	FDH	G5	8,5	50.18843.850053
MENLOSFT SR 3X24W HFD PR WL6 I1830	FDH	G5	8,5	50.18843.850060
MENLOSFT SR 3X24W HFS PR WL6 I1830	FDH	G5	8,5	50.18843.850183
MENLOSFT SR 4X14W HF PR WL4 I1830	FDH	G5	8,5	50.18843.850091
MENLOSFT SR 4X14W HFD PR WL6 I1830	FDH	G5	8,5	50.18843.850107
MENLOSFT SR 4X14W HFS PR WL6 I1830	FDH	G5	8,5	50.18843.850220

Emergency SelfTest with Satinbright louvre				
MENLOSFT SR 3X24W HF E3T DSB WL4 I1830	FDH	G5	9,2	50.18843.850275
MENLOSFT SR 3X24W HFD E3T DSB WL6 I1830	FDH	G5	9,2	50.18843.850282
MENLOSFT SR 4X14W HF E3T DSB WL4 I1830	FDH	G5	9,2	50.18843.850312
MENLOSFT SR 4X14W HFD E3T DSB WL6 I1830	FDH	G5	9,2	50.18843.850329

Emergency SelfTest with Prismtech diffuser				
MENLOSFT SR 3X24W HF E3T PR WL4 I1830	FDH	G5	9,3	50.18843.850299
MENLOSFT SR 3X24W HFD E3T PR WL6 I1830	FDH	G5	9,3	50.18843.850305
MENLOSFT SR 4X14W HF E3T PR WL4 I1830	FDH	G5	9,3	50.18843.850336
MENLOSFT SR 4X14W HFD E3T PR WL6 I1830	FDH	G5	9,3	50.18843.850343

HF - High Frequency, HFD - High Frequency Digital Dimmable, HFS - High Frequency, mini Senso, WL - Wieland GST type connector 3/4/5/6 pole, E3T - Emergency SelfTest

Electrical leads and connectors

Description	EAN Code
Modular distribution units for up to 10 luminaires	
DISTRIBUTION UNIT DUA 10 B	50.18843.856901
DISTRIBUTION UNIT DUS 10	50.18843.997444
Link leads for connection of luminaires to distribution units or to T-connectors, and for connecting 2 T-connectors	
CONNECT LINK 4C P4S4 4M	50.18843.837986
CONNECT LINK 4C P6S4 4M	50.18843.838013
CONNECT LINK 6C P6S6 4M B	50.18843.856918
Link lead for connection of luminaires with separate mains and control sockets to distribution unit	
CONNECT LINK 6C P6S43 4M	50.18843.856925
Start leads for connection of luminaires or T-pieces to other distributions or to mains (one bare end)	
CONNECT START 4C S4 4M	50.18843.837962
CONNECT START 6C S6 4M B	50.18843.856970
Plugs, Sockets and T-connectors	
CONNECT P4	50.18843.265796
CONNECT P6 B	50.18843.856932
CONNECT S4	50.18843.265789
CONNECT S6 B	50.18843.856949
CONNECT T4	50.18843.265819

DUA - Automatic controlled, DUS - Switch controlled, LINK - Link lead, START - Start lead, xC - Lead with x cores, Px - Male Plug with x poles, Sx - Female Socket with x poles, Tx - T connector with x poles, 4M - Lead length (4 metres), PIRLINK - Presence detector link lead

Accessories for integrated Senso versions

Description	EAN Code
SensaDigital Programming Tool	
SENSA SENP	5018843206072
SensaDigital Handheld Controller	
SENSA SENRC	5018843173893
SENP - Programmer, SENRC - Remote Controller	

Ordering Guide

Photometrics

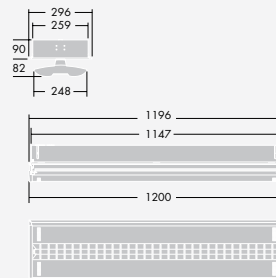
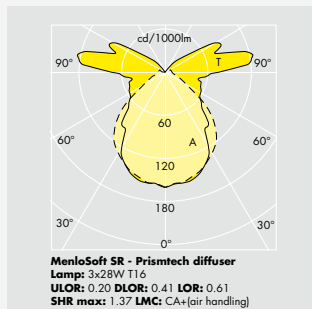
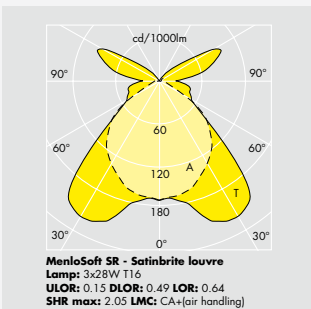
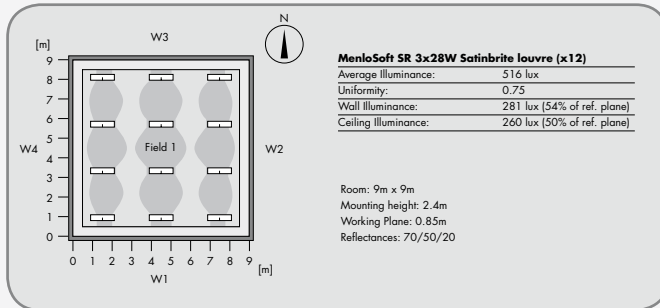
Dimensions



Satinbrite louvre



Prismtech diffuser



MenloSoft SR 300 x 1200 version

Ordering Guide Supplied complete with lamps (3000K).

Description	Ilcos- kode	Sokkel	Weight (kg)	EAN Code
Satinbrite louver				
MENLOSFT SR 3X28W HF DSB WL4 I1830	FDH	G5	10,1	50.18843.850114
MENLOSFT SR 3X28W HFD DSB WL6 I1830	FDH	G5	10,1	50.18843.850121
MENLOSFT SR 3X28W HFS DSB WL6 I1830	FDH	G5	10,1	50.18843.850244
Prismtech diffuser				
MENLOSFT SR 3X28W HF PR WL4 I1830	FDH	G5	10,2	50.18843.850138
MENLOSFT SR 3X28W HFD PR WL6 I1830	FDH	G5	10,2	50.18843.850145
MENLOSFT SR 3X28W HFS PR WL6 I1830	FDH	G5	10,2	50.18843.850268

Emergency SelfTest with Satinbright louver				
MENLOSFT SR 3X28W HF E3T DSB WL4 I1830	FDH	G5	11,2	50.18843.850350
MENLOSFT SR 3X28W HFD E3T DSB WL6 I1830	FDH	G5	11,2	50.18843.850367

Emergency SelfTest with Prismtech diffuser				
MENLOSFT SR 3X28W HF E3T PR WL4 I1830	FDH	G5	11,3	50.18843.850374
MENLOSFT SR 3X28W HFD E3T PR WL6 I1830	FDH	G5	11,3	50.18843.850381

HF - High Frequency, HFD - High Frequency Digital Dimmable, HFS - High Frequency, mini Sensa,
WL - Wieland GST type connector 3/4/5/6 pole, E3T - Emergency SelfTest

Electrical leads and connectors

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Modular distribution units for up to 10 luminaires	
DISTRIBUTION UNIT DUA 10 B	50.18843.856901
DISTRIBUTION UNIT DUS 10	50.18843.997444
Link leads for connection of luminaires to distribution units or to T-connectors, and for connecting 2 T-connectors	
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DUA - Automatic controlled, DUS - Switch controlled, LINK - Link lead, START - Start lead,
x C - Lead with x cores, Px - Male Plug with x poles, Sx - Female Socket with x poles,
Tx - T connector with x poles, 4M - Lead length (4 metres), PIRLINK - Presence detector link lead

Accessories for integrated Sensa versions

Description	EAN Code
SensaDigital Programming Tool	
SENSA SENP	5018843206072
SensaDigital Handheld Controller	
SENSA SENRC	5018843173893

SENP - Programmer, SENRC - Remote Controller

Installation/Mounting



1.



2.



3.

Suitable for lay-in installation into 15mm or 24mm exposed tee. Unique 'wedge' brackets (included) allow pull up installation into most exposed tee (max 70mm grid height), concealed fix and solid ceilings.

MenloSoft SR is supplied as a complete luminaire and has been designed to be quick and easy to install.

Product is supplied with panel mounted GST 18/4 male connector or GST 18/6 T connector on rear of body. To electrically connect luminaires, order corresponding female rewirable socket, starter lead or link lead separately (see ordering guide for details).

Simply install the body into the ceiling and electrically connect using the GST connector, before fitting the lamps and complete optic to the lamp bracket.

The optic is hinged on one side with magnetic fixings to allow easy and fast installation and maintenance.

'Wedge' brackets

Unique 'Wedge' bracket design makes installation quick and simple:

1. Place bracket in luminaire body
2. Enter wedge in bracket. Adjust bracket to required position
3. Press the wedge home

MenloSoft family



MenloSoft SR



MenloSoft



MenloSoft



MenloSoft Circular



MenloSoft SR has been designed to complement the aesthetic of our recessed MenloSoft family, which is available in a similar range of lamp, gear types and optical attachments

This allows a lighting scheme to be flexible yet coordinated by using a combination of semi-recessed and fully recessed luminaires in different rooms according to the respective lighting needs.

For full details of the MenloSoft range please contact your local Thorn representative

THORN

Lighting people and places

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