



SYLWING  BESS
SYLSPACE 

for FHE (T5) lamps

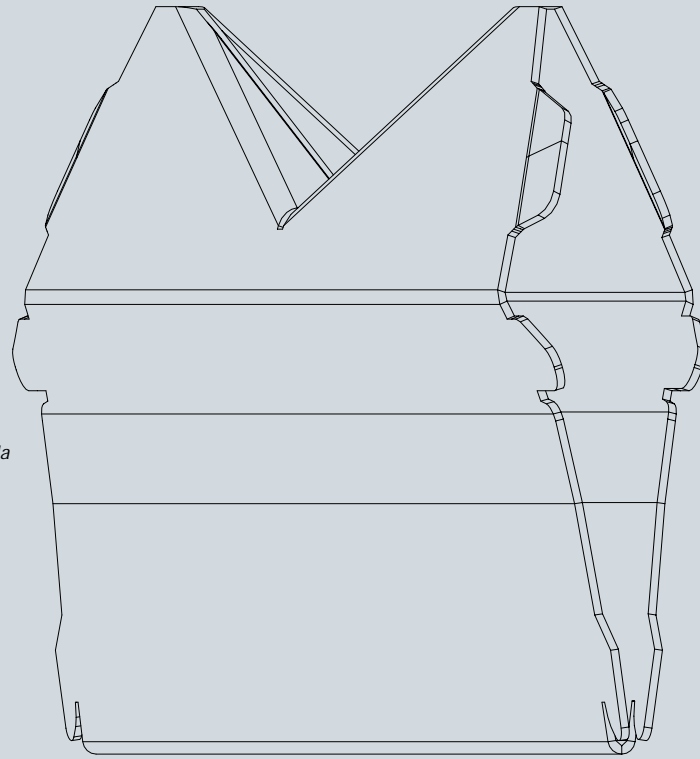
SYLVANIA

by Sylvania Lighting international

September 2002



European Patent
Number 0114191
Tri-dimensional
optic lamellae



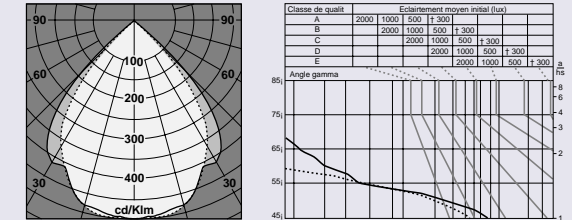
BESS V-lamella



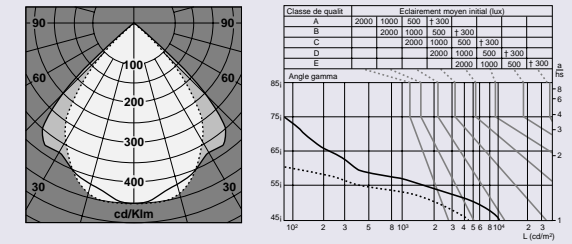
BESS optic

Code		
Sylspace 5 SR • Specular Visual 60 optic (SV60)		
SV60 214	600 x 600	0070817
SV60 314	600 x 600	0070818
SV60 414	600 x 600	0070819
SV60 128	300 x 1200	0070832
SV60 228	300 x 1200	0070833
Sylspace 5 SR • Ger • Specular Visual 60 optic (SV60)		
SV60 214	625 x 625	0070151
SV60 314	625 x 625	0070152
SV60 414	625 x 625	0070153
SV60 128	312,5 x 1250	0070154
SV60 228	312,5 x 1250	0070155
Sylspace 5 SR • Semi-Specular Parabolic optic (SSP)		
SSP 214	600 x 600	0070181
SSP 314	600 x 600	0070182
SSP 414	600 x 600	0070183
SSP 128	300 x 1200	0070186
SSP 228	300 x 1200	0070187
Sylspace 5 SR • Ger • Semi-Specular Parabolic optic (SSP)		
SSP 214	625 x 625	0070131
SSP 314	625 x 625	0070132
SSP 414	625 x 625	0070133
SSP 128	312,5 x 1250	0070134
SSP 228	312,5 x 1250	0070135
Sylspace 5 SR • Accessory		
SR Brackets set		5070890

SYLSPACE 5 SR VISUAL 60 Optic



SYLSPACE 5 SR PARABOLIC Optic SSP

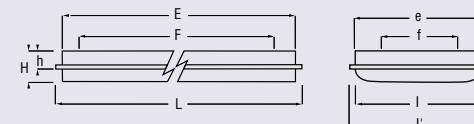


	LOR	Intensity distribution			Luminance								
		DIN 5040 T2	BZ CIBSE TM5	UTE C71-121	AFE	<200 cd/m²		<1000 cd/m²		CIBSE LG3		SHR	
						CO C90 planes	EN 12464 all C planes	UGR 7.5.2	L	T			
SYLSPACE 5 SR SV60 128	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 228	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 214	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 314	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 414	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 135	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SV60 235	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SR SSP 128	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SR SSP 228	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SR SSP 314	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SR SSP 414	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70

Dimensions (mm)

Lamp	Module	L	I	I'	E	e	F	f	H	h
2 x 14	600 x 600	596	596	260	575	574	435	130	56	31
3 x 14	600 x 600	596	596	344	575	574	435	90	56	31
4 x 14	600 x 600	596	596	2 x 260	575	574	435	500	56	31
1 x 28	300 x 1200	1196	296	175	1175	263	1035	130	56	31
2 x 28	300 x 1200	1196	296	260	1175	263	1300	130	56	31

2 x 14	625 x 625	621	621	280	575	574	435	130	56	31
3 x 14	625 x 625	621	621	344	575	574	435	90	56	31
4 x 14	625 x 625	621	621	2 x 260	575	574	435	500	56	31
1 x 28	312 x 1250	1246	309	1203	1175	263	1035	130	56	31
2 x 28	312 x 1250	1246	309	1203	1175	263	1300	130	56	31





OPTIC **BESS**

Best Sylvania System



Since arrival of the T5 lamp, there have been many new developments in the industrial and functional fixtures.

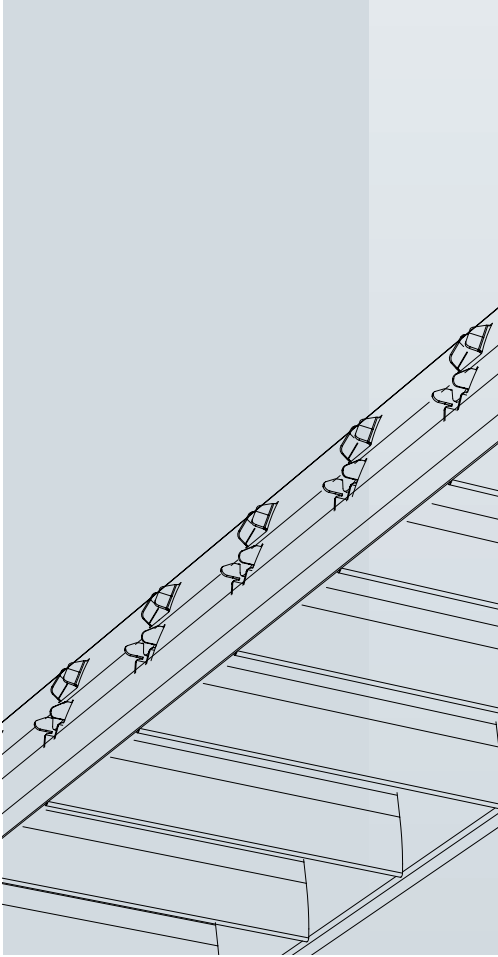
These high performance products combine unique design features with energy conservation.

SLI has been present in this market since the beginning, offering know how in lamp fixture design and manufacturing.

Now, SYLVANIA has gone one step further in launching **BESS**, a revolutionary new patented optic specifically developed for T5 lamps.

With its specific tri-dimensional shapes, **BESS** increases lamp lumen output utilization, offering both high efficiency and optimum brightness control while maximizing comfort.

All the fixtures in the brand new **SYLWING** range benefit from this innovation which insures customer satisfaction.



- New optic patent
- Designed around slim and efficient T5 lamps
- Improves energy savings while increasing light intensity
- Very high performance
- Very low brightness

Elements of innovation

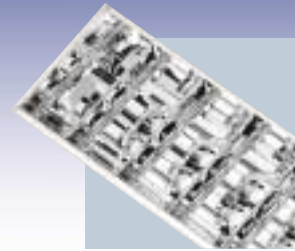
SLI has developed a new generation of optics, specifically designed to optimise light output ratio and reduce double reflection between each V cross blade. **BESS** combines a concave and convex form on both sides, perfectly designed to give the best light utilization. With its own mirror, **BESS** beats all performance records up to

84%

This new optic clearly means higher efficiency generating costs savings :

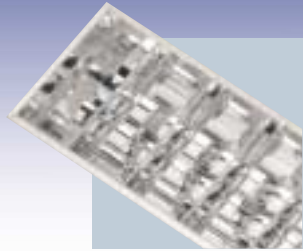
- 1 - increasing the Light Output Ratio and controlling brightness, you can easily **reduce the number of fixtures***.
- 2 - T5 technology **decreases dramatically energy consumption.**

* i.e. in a 65m² office lighting study, where 10 surface mounted 236 HF V60 fixtures were needed, SYLWING 228 & BESS4 reduce fixtures to 8 (better illuminance, same uniformity).



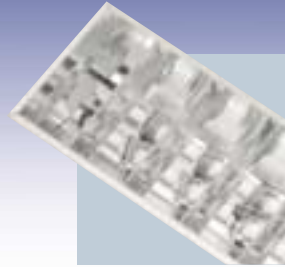
BESS 4

Specular Visual 60*
tri-dimensional optic



BESS 8

Semi-Specular V60*
tri-dimensional optic



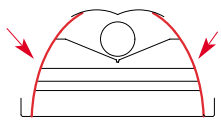
BESS 5

Satin
tri-dimensional optic

A new optic designed for higher efficiency

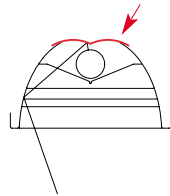
INTENSITY

Polynomial profile to optimise intensity distribution

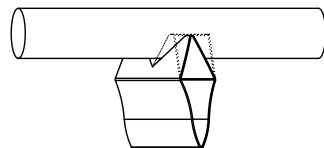


HIGH EFFICIENCY

Back mirror designed to optimise light output

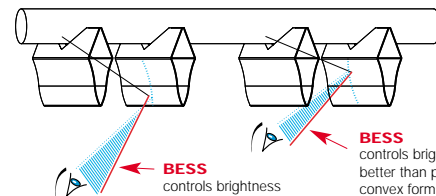


Pyramid shaped lamella finishing



BRIGHTNESS CONTROLLED

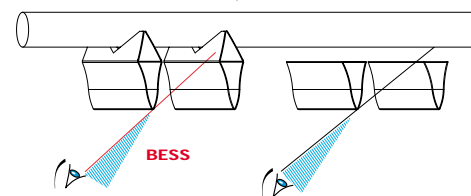
Concave and convex forms control brightness in all critical angles



BESS controls brightness better than purely concave forms

BESS controls brightness better than purely convex forms

Reduces brightness significantly in middle planes

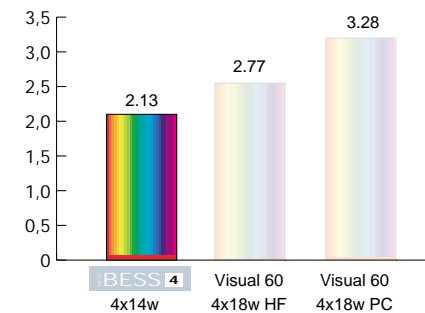


Efficiency means economy

EFFICIENCY

in W/m² / 100 lx

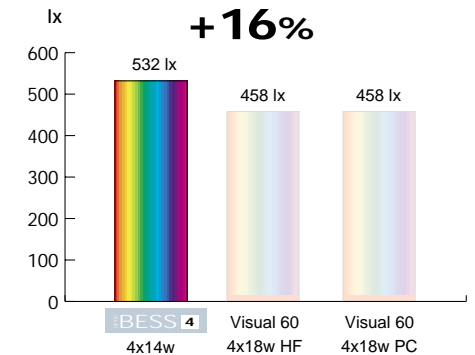
2.13



ILLUMINANCE

in %

+16%



Calculated for an office 7 5 3

*200 cd/m² at 60°



- High performance : BESS optic equipped
- Fluid lines
- Rapid installation
- Wide range to cover most applications
- Delivered as a complete equipped fixture



So thin, so elegant



CLASS	I
INGRESS PROTECTION	IP20
GLOW WIRE TEST	960°C
IMPACT ENERGY	2J-1K07
ENEC	08

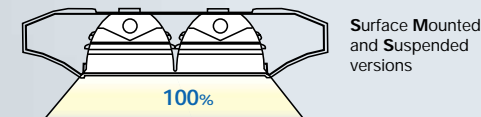
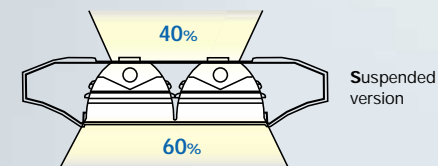
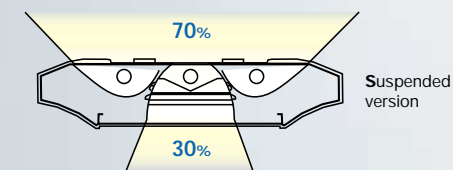


SYLWING White

SYLWING

SYLWING SMS

Innovation 2002



A new vision of lighting, SYLWING SMS has been designed to accompany BESS, to get the best in terms of louvre, and also to offer a brand new style in lighting.

SYLWING SMS is a technical luminaire, combining style, performance and slim design.

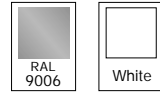
A luminaire which can be installed without removing either lamps or louvre.

- 830 or 840 lamps included.
- HF or dimmable ballast.
- Rapid connection using an automatic 3 or 5 way terminal block.
- SYLWING connections are located in product end part - except 4x14 - (see page 7).
- A "peel-off" film protects louvre during installation.

SYLWING Silver

SYLWING SM

Surface Mounted



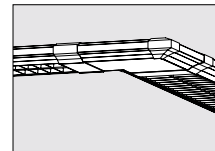
BESS 4

Specular Visual 60*
tri-dimensional optic

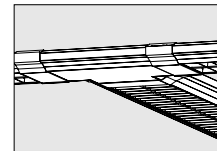


BESS 8

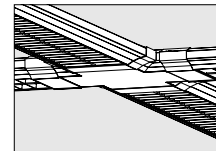
Semi-Specular V60*
tri-dimensional optic



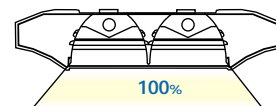
L mounting set



T mounting set



X mounting set



100%

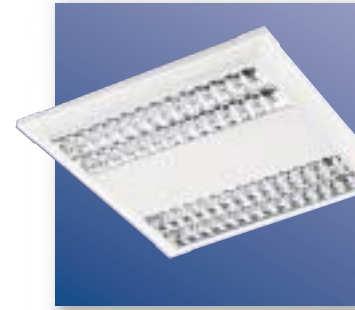


SYLWING SM Silver
Single version

SYLWING SM White
Twin version

*200 cd/m² at 60°

SYLWING SM White
4x14 (600x600)

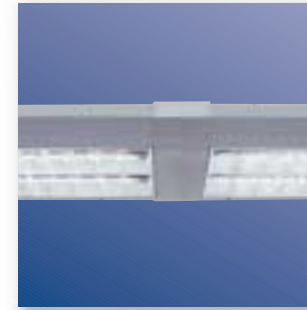


Applications

- Offices
- Meeting rooms
- School premises
- Bank counters
- High buildings
- Public buildings



SYLWING SM Silver
In-line mounting set



Body

A 52 mm rigid white or silver (RAL 9006) coated sheet steel body, reinforced with a fitted steel brace ended by an injected moulded end cap to finalise line style. Completely flat top, offering a technical design in Direct version.

BESS is fixed in place by 4 metallic springs allowing hanging during maintenance and ensuring a continuous earth connection. Individual, in-line, L,T or X structures available.

Installation & Maintenance

Two separate metallic brackets fix SYLWING SM on the ceiling through two holes for Ø6mm screws.

Mains supply through automatic terminal block.

- Fix the two brackets on the ceiling with Ø4mm screws.
- Install SYLWING SM on them, and make the supply connection.
- Put end caps on, ... SYLWING SM is ready !

Accessories

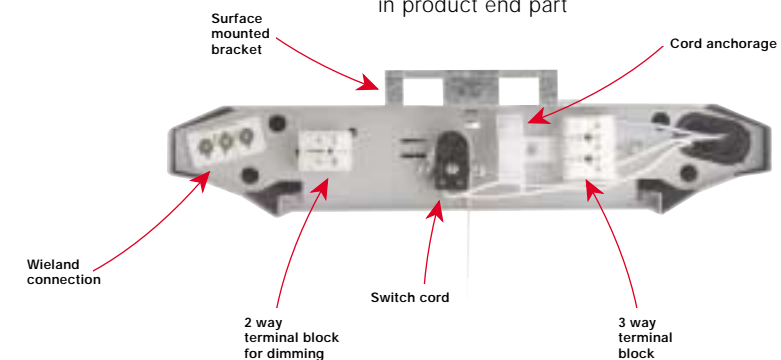
- In line, L, T, X mounting sets.
- In line set mono.
- In line set duo.
- Through wiring 3x1.5 mm² or 5x1.5 mm² cable.
- Suspension kit.
- On request :
- Wieland connections.
- Emergency kit.

Electrical Equipment

High frequency or dimmable ballast 220-240V 50-60Hz.
Automatic 3 or 5 way terminal block.
4 Ø15 mm cable entries.

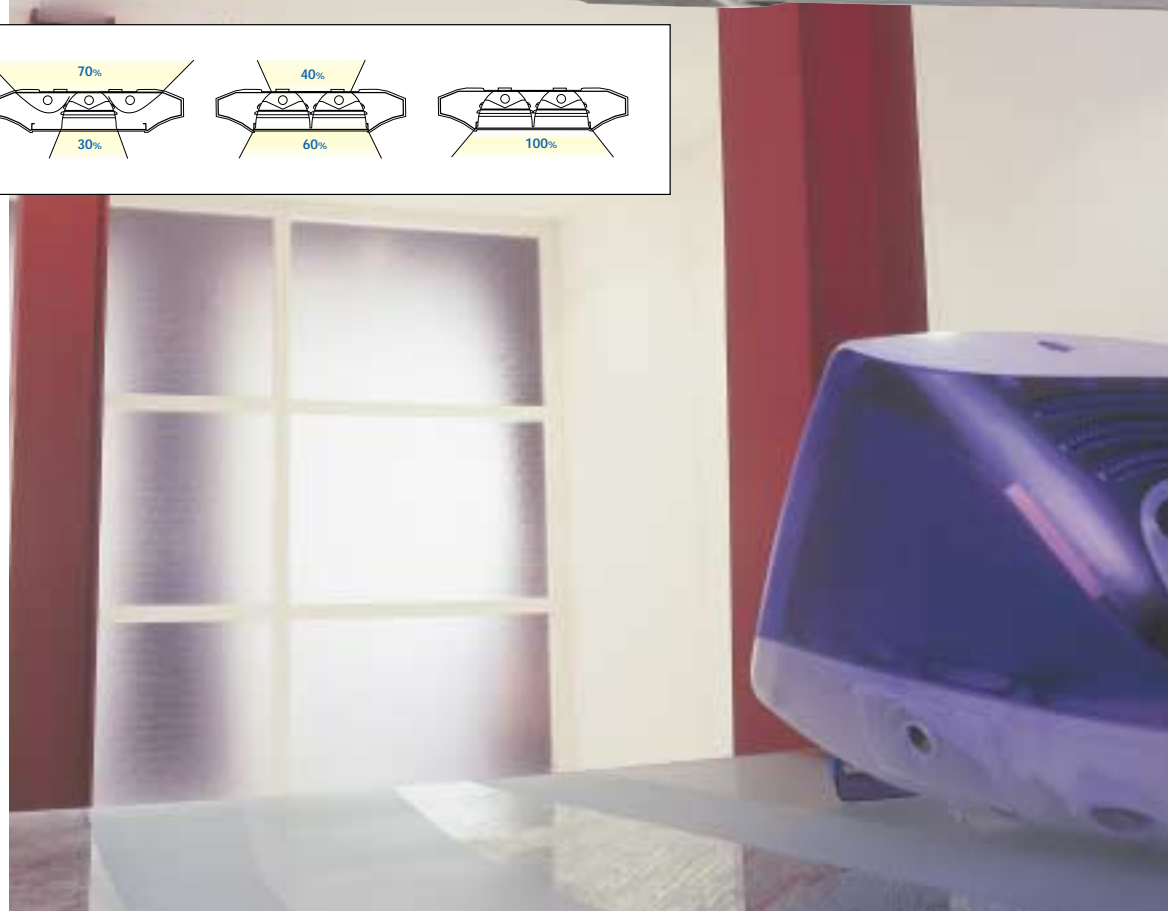
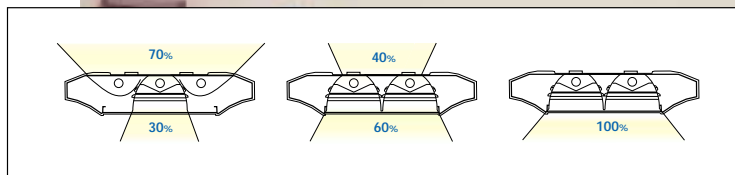
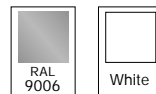
Technical data,
see pages 16 & 17

All SYLWING SMS connections are located in product end part



SYLWING S

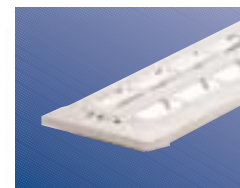
Suspended



In suspended version,
1, 2 or 3 lamps for Direct &
Direct/ indirect lighting,
a perfect fluid line !



SYLWING 3x28 Silver
Direct & indirect lighting
available with a switch
cord



SYLWING 3x28
Silver
Direct & indirect
lighting control



OPTIC BESS 4

Specular Visual 60*
tri-dimensional optic



OPTIC BESS 8

Semi-Specular V60*
tri-dimensional optic

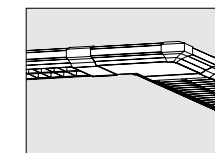
*200 cd/m² at 60°

Applications

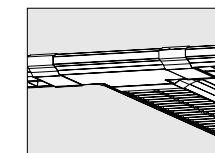
- Offices
- Meeting rooms
- School premises
- Bank counters
- High buildings
- Public buildings



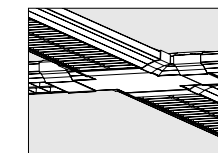
Sylwing Silver
2x28 in line



L mounting set



T mounting set



X mounting set

Body

A 52 mm rigid white or silver (RAL 9006) coated sheet steel body, reinforced with a fitted steel brace ended by an injected moulded end cap to finalise line style. Completely flat top, offering a technical design in Direct / Indirect and 3x28 versions. BESS is fixed in place by 4 metallic springs allowing hanging during maintenance and ensuring a continuous earth connection. Individual, in-line, L,T or X structures available.

Installation & Maintenance

Ceiling fixing through two holes for Ø6mm screws.
Two automatic Y suspension cables (optional) easy to install through the four key holes on the top of the fixture, the installation height is easily adjustable.
Mains supply through automatic terminal block.

- 1 Install the VARIO-CLIP suspension kit in the ceiling and in the SYLWING S end fixing holes.
- 2 Make the supply connection.
- 3 Fit end caps,...and it's done !

Accessories

- In line, L, T, X mounting sets.
 - In line set mono.
 - In line set duo.
 - Through wiring 3x1.5 mm² or 5x1.5 mm² cable.
 - Suspension kit.
- On request :
- Wieland connections.
 - Emergency kit.

Electrical Equipment

High frequency or dimmable ballast 220-240V 50-60Hz.
Automatic 3 or 5 way terminal block.
4 Ø15 mm cable entries.

Technical data,
see pages 16 & 18





- High performance : BESS optic equipped
- Precise luminance control
- Fast and easy to install
- Delivered as a complete equipped fixture

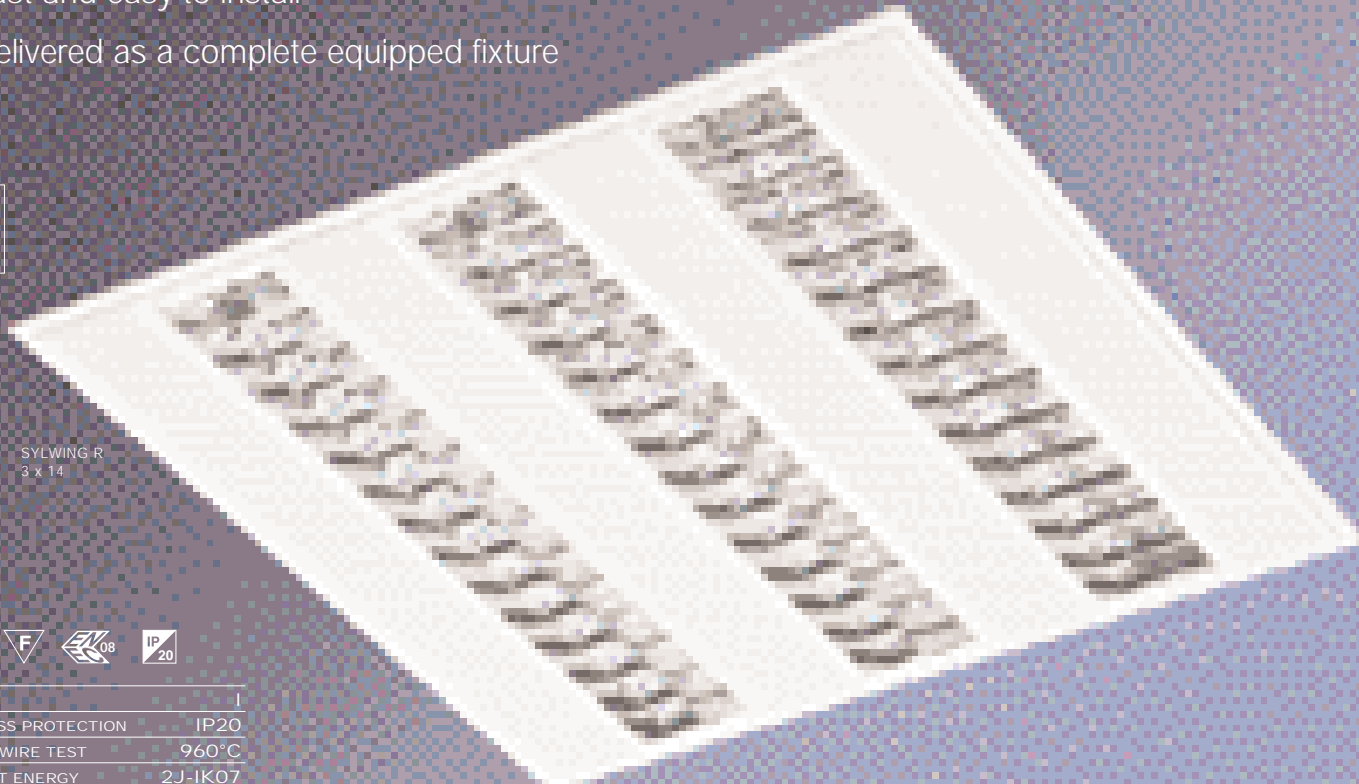


So efficient

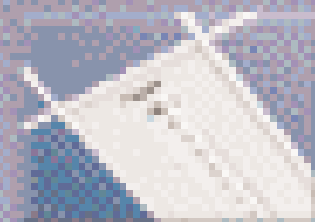
SYLWING R



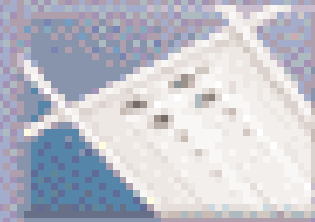
White



SYLWING R
3 x 14



SYLWING R
1 x 28



SYLWING R
2 x 28



CLASS	I
INGRESS PROTECTION	IP20
GLOW WIRE TEST	960°C
IMPACT ENERGY	2J-IK07
ENEC	08



With BESS,
no light leak
through micro-
perforated panels,
increasing fixture
finishing.



BESS 4

Specular Visual 60°
tri-dimensional optic



BESS 5

Satin
tri-dimensional optic

SYLWING

*200 cd/m² at 60°

Innovation 2002



SYLWING R is a 50mm depth fixture, suitable for 300 mm and 600 mm suspended ceiling modules. Lay-in and pull-up (with side arms suspension kit) fixture.

Body

White coated 0,8 mm sheet steel body.
Micro-perforated panels on longitudinal sides. The quadruple lamp 600 mm modules are provided with central and lateral micro-perforated panel separations.
Safely fixed to the ceiling through 4 Ø6.5 mm holes.

Installation & Maintenance

Safety fixation to the ceiling through 4 holes Ø6.5mm completes a lay-in mounting.
For pull-up mounting use complementary side arms (optional).
Mains 3 supply through automatic terminal block.

Accessories

- Set of two adjustable side arms in galvanised steel for pull-up mounting.
- On request :
- Wieland connections.
- Emergency kit.

Applications

- Offices
- Meeting rooms
- School premises
- Bank counters
- High buildings
- Public buildings

Electrical Equipment

- High frequency or dimmable ballast 220-240V 50-60Hz
- MPM connection system top located.
- 2 Ø10 mm cable entries.



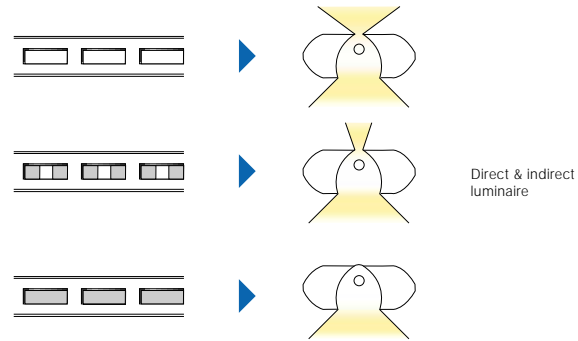
Technical data,
see page 19

SYLSPACE



NEW VERSION

- Compact line
- Individual surface or suspended
- Direct & indirect luminaire
- Rounded design
- Very low brightness louvres



Surface Mounted & Suspension

So rounded



As part of a continuous process of quality improvement, SYLSPACE 5 has been redesigned to offer a rounded single piece product, keeping its direct/indirect fixture originality.

SYLSPACE 5 SMS is a white coated sheet steel body, rounded on the optic underside, and top bend, offering a complete compact luminaire design. The optic is fixed in place by 4 metallic springs allowing hanging during maintenance and a continuous earth connection.

SYLSPACE 5 SMS is a multi-application luminaire. The adjustable sliding indirect lighting flap (see diagram on page 12) is designed to give full control of the amount of indirect light.



CLASS	I
INGRESS PROTECTION	IP20
GLOW WIRE TEST	960°C
IMPACT ENERGY	2J-IK07
ENEC	08

SYLSPACE 5 SMS
Twin version

SYLSPACE 5 SMS
Single version

Applications

- Offices
- Meeting rooms
- School premises
- Bank counters
- High buildings
- Public buildings

Installation & Maintenance

Ceiling fixing through two Ø14mm holes and two detachable washers with slot for Ø6mm screws.

Two automatic Y suspension cables (optional) easy to install through the four key holes on the top of the fixture, the installation height is easily adjustable.

Mains supply through cable entries.

Accessories

- "Y" suspension set.
- Supply cable 3 x 0.75 mm².
- On request : Emergency kit.

Electrical Equipment

- T5 warm start high frequency ballast 220-240V 50-60Hz.
- Automatic 3 way terminal block.
- 3 Ø20 mm cable entries.

Technical data, see page 20



Semi Recessed

SYLSPACE 5 SR
300 x 1200 mm / 1 x 28W



A 31 mm depth fixture suitable for 300 mm and 600 mm suspended ceiling modules. Lay-in and pull-out (with side arm suspension kit) fixture

SYLSPACE 5 SR
300 x 1200 mm / 2 x 28W



- Up to date design
- Compact
- Very low brightness louvres
- Precise luminance control
- High output ratio



Body

White coated sheet steel, U shaped semi-recessed frame. The micro-perforated front panel, including optic sets, is fixed to the body by four clips. Hanging position ensured by 2 polyamide cables. Safely fixed to the ceiling through 4 Ø6.5 mm holes.

Applications

Offices
Meeting rooms
School premises
Bank counters
High buildings
Public buildings

Electrical Equipment

High frequency
220-240V 50-60Hz.
Automatic 3 way terminal block.
2 Ø20 mm cable entries.

Installation & Maintenance

Safely fixed to the ceiling through 4 Ø6.5 mm holes to complete a lay-in mounting, for pull up mounting complementary brackets (optional) are used.
Mains supply through cable entries.
On request :
- Wieland connections.
- Dimmable ballast

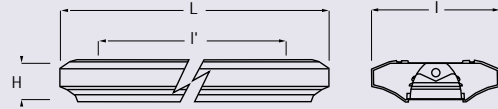
Accessories

Set of four adjustable brackets in galvanised steel for pull-up mounting.



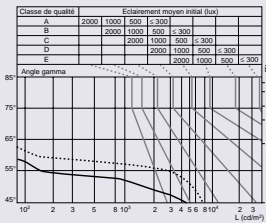
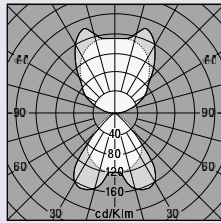
CLASS	I
INGRESS PROTECTION	IP20
GLOW WIRE TEST	960°C
IMPACT ENERGY	2J-IK07
ENEC	08

Technical data, see page 21

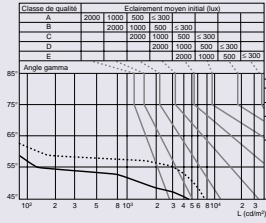
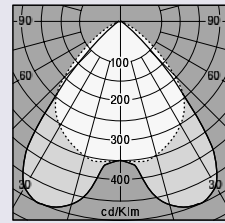


Lamp	Dimensions (mm)				Weight (kg)	
	L	l'	l	H	SM	S
1 x 28	1305	1184	197	52	3,3	-
2 x 28	1305	1184	282	52	4,4	4
1 x 35	1605	1484	197	52	4	-
2 x 35	1605	1484	282	52	5,4	4,9
3 x 28	1305	1484	282	52	5,5	5,5
4 x 14	675	NC	675	52	4,6	-

SYLWING Suspended (S) Bess 4 optic 328



SYLWING Surface mounted (SM) Bess 4 optic 328



LOR	Intensity distribution			AFE	Luminance				SHR				
	DIN	BZ	UTE		<200 cd/m²		<1000 cd/m²						
	5040 T2	CIBSE TMS	C71-121		CO C90 planes	EN 12464 all C planes	CIBSE LG3	UGR 7.5 2					
SYLWING SM BESS 4 128	84%	A60	BZ2	0.84B	BL	60°	67.5°	62.5°	CAT 3	67.5°	16	1.55	1.60
SYLWING SM BESS 4 228	84%	A60	BZ2	0.84B	BL	60°	67.5°	62.5°	CAT 3	67.5°	16	1.55	1.60
SYLWING SM BESS 4 135	84%	A60	BZ2	0.84B	BL	60°	67.5°	62.5°	CAT 3	67.5°	16	1.55	1.60
SYLWING SM BESS 4 235	84%	A60	BZ2	0.84B	BL	60°	67.5°	62.5°	CAT 3	67.5°	16	1.55	1.60
SYLWING SM BESS 4 414	82%	A60	BZ1	0.82B	BL	60°	67.5°	62.5°	CAT 3	67.5°	16	1.55	1.60
SYLWING SM BESS 8 128	83%	A60	BZ1	0.83B	BL	60°	67.5°	60.0°	CAT 3	67.5°	16	1.55	1.55
SYLWING SM BESS 8 228	83%	A60	BZ1	0.83B	BL	60°	67.5°	60.0°	CAT 3	67.5°	16	1.55	1.55
SYLWING SM BESS 8 135	83%	A60	BZ1	0.83B	BL	60°	67.5°	60.0°	CAT 3	67.5°	16	1.55	1.55
SYLWING SM BESS 8 235	83%	A60	BZ1	0.83B	BL	60°	67.5°	60.0°	CAT 3	67.5°	16	1.55	1.55
SYLWING SM BESS 8 414	81%	A60	BZ1	0.81B	BL	60°	67.5°	60.0°	CAT 3	67.5°	16	1.55	1.55
SYLWING S BESS 4 228	90%	B53	BZ3/1.00/BZ2	0.60B + 0.30T	BL	60°	67.5°	62.5°	CAT 3	67.5°	14	1.45	0.90
SYLWING S BESS 4 235	90%	B53	BZ3/1.00/BZ2	0.60B + 0.30T	BL	60°	67.5°	62.5°	CAT 3	67.5°	14	1.45	0.90
SYLWING S BESS 4 328	75%	D63	BZ2	0.28B + 0.47T	BL	60°	67.5°	62.5°	CAT 3	67.5°	11	1.55	1.60
SYLWING S BESS 8 228	89%	B53	BZ3/1.00/BZ2	0.59B + 0.30T	BL	60°	67.5°	62.5°	CAT 3	67.5°	14	1.45	0.90
SYLWING S BESS 8 235	89%	B53	BZ3/1.00/BZ2	0.59B + 0.30T	BL	60°	67.5°	62.5°	CAT 3	67.5°	14	1.45	0.90
SYLWING S BESS 8 328	75%	D63	BZ2	0.28B + 0.47T	BL	60°	67.5°	62.5°	CAT 3	67.5°	11	1.55	1.60

Accessories

Designation	Code
Sylwing SMS accessories	
Sylwing SMS supply cable 3x1.5mm² 2.5m long	5054789
Sylwing SMS supply cable 3x1.5mm² 2.5m long + plug	5054790
Sylwing through wiring cable 5x1.5mm² 28W	5054791
Sylwing through wiring cable 5x1.5mm² 35W	5054792
Sylwing through wiring cable 5x1.5mm² structure accessory	5054793
Sylwing through wiring cable 3x1.5mm² 28W	5054794
Sylwing through wiring cable 3x1.5mm² 35W	5054795
Sylwing through wiring cable 3x1.5mm² structure accessory	5054796
Sylwing through wiring cable 3x1.5mm² 28W Wieland	5054797
Sylwing through wiring cable 3x1.5mm² 35W Wieland	5054798
Sylwing through wiring cable 3x1.5mm² structure accessory Wieland	5054799
Sylwing surface mounted kit (2 brackets)	5054800

Designation	Code
Sylwing SMS accessories	
Sylwing in line kit mono suspended	5054893
Sylwing in line kit duo suspended	5054894
Sylwing in line kit mono surface mounted	5054895
Sylwing in line kit duo surface mounted	5054896
Sylwing L kit mono	5054897
Sylwing T kit mono	5054898
Sylwing X kit mono	5054899
Sylwing L kit duo	5054900
Sylwing T kit duo	5054901
Sylwing X kit duo	5054902
Sylwing male/female Wieland connectors 3 way	5051046
Sylwing suspension kit (2 pieces)	5044210

830 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing SM White • BESS 4 • 830				
Sylwing SM White B4 - 128 - 830	BESS 4	1x28	830	0054749
Sylwing SM White B4 - 228 - 830	BESS 4	2x28	830	0054750
Sylwing SM White B4 - 135 - 830	BESS 4	1x35	830	0054753
Sylwing SM White B4 - 235 - 830	BESS 4	2x35	830	0054754
Sylwing SM White B4 - 414 - 830	BESS 4	4x14	830	0054756

Sylwing SM White • BESS 8 • 830				
Sylwing SM White B8 - 128 - 830	BESS 8	1x28	830	0054757
Sylwing SM White B8 - 228 - 830	BESS 8	2x28	830	0054758
Sylwing SM White B8 - 135 - 830	BESS 8	1x35	830	0054761
Sylwing SM White B8 - 235 - 830	BESS 8	2x35	830	0054762
Sylwing SM White B8 - 414 - 830	BESS 8	4x14	830	0054764

Sylwing SM Silver • BESS 4 • 830				
Sylwing SM Silver B4 - 128 - 830	BESS 4	1x28	830	0054765
Sylwing SM Silver B4 - 228 - 830	BESS 4	2x28	830	0054766
Sylwing SM Silver B4 - 135 - 830	BESS 4	1x35	830	0054769
Sylwing SM Silver B4 - 235 - 830	BESS 4	2x35	830	0054770
Sylwing SM Silver B4 - 414 - 830	BESS 4	4x14	830	0054772

Sylwing SM Silver • BESS 8 • 830				
Sylwing SM Silver B8 - 128 - 830	BESS 8	1x28	830	0054773
Sylwing SM Silver B8 - 228 - 830	BESS 8	2x28	830	0054774
Sylwing SM Silver B8 - 135 - 830	BESS 8	1x35	830	0054777
Sylwing SM Silver B8 - 235 - 830	BESS 8	2x35	830	0054778
Sylwing SM Silver B8 - 414 - 830	BESS 8	4x14	830	0054780

Sylwing SM White • BESS 4 • D • 830				
Sylwing SM White B4 - D - 128 - 830	BESS 4	1x28	830	0054781
Sylwing SM White B4 - D - 228 - 830	BESS 4	2x28	830	0054782
Sylwing SM White B4 - D - 135 - 830	BESS 4	1x35	830	0054785
Sylwing SM White B4 - D - 235 - 830	BESS 4	2x35	830	0054786

Sylwing SM White • BESS 8 • D • 830				
Sylwing SM White B8 - D - 128 - 830	BESS 8	1x28	830	0054805
Sylwing SM White B8 - D - 228 - 830	BESS 8	2x28	830	0054806
Sylwing SM White B8 - D - 135 - 830	BESS 8	1x35	830	0054809
Sylwing SM White B8 - D - 235 - 830	BESS 8	2x35	830	0054810

Sylwing SM Silver • BESS 4 • D • 830				
Sylwing SM Silver B4 - D - 128 - 830	BESS 4	1x28	830	0054813
Sylwing SM Silver B4 - D - 228 - 830	BESS 4	2x28	830	0054814
Sylwing SM Silver B4 - D - 135 - 830	BESS 4	1x35	830	0054817
Sylwing SM Silver B4 - D - 235 - 830	BESS 4	2x35	830	0054818

Sylwing SM Silver • BESS 8 • D • 830				
Sylwing SM Silver B8 - D - 128 - 830	BESS 8	1x28	830	0054821
Sylwing SM Silver B8 - D - 228 - 830	BESS 8	2x28	830	0054822
Sylwing SM Silver B8 - D - 135 - 830	BESS 8	1x35	830	0054825
Sylwing SM Silver B8 - D - 235 - 830	BESS 8	2x35	830	0054826

840 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing SM White • BESS 4 • 840				
Sylwing SM White B4 - 128 - 840	BESS 4	1x28	840	0054829
Sylwing SM White B4 - 228 - 840	BESS 4	2x28	840	0054830
Sylwing SM White B4 - 135 - 840	BESS 4	1x35	840	0054833
Sylwing SM White B4 - 235 - 840	BESS 4	2x35	840	0054834
Sylwing SM White B4 - 414 - 840	BESS 4	4x14	840	0054836

Sylwing SM White • BESS 8 • 840				
Sylwing SM White B8 - 128 - 840	BESS 8	1x28	840	0054837
Sylwing SM White B8 - 228 - 840	BESS 8	2x28	840	0054838
Sylwing SM White B8 - 135 - 840	BESS 8	1x35	840	0054841
Sylwing SM White B8 - 235 - 840	BESS 8	2x35	840	0054842
Sylwing SM White B8 - 414 - 840	BESS 8	4x14	840	0054844

Sylwing SM Silver • BESS 4 • 840				
Sylwing SM Silver B4 - 128 - 840	BESS 4	1x28	840	0054845
Sylwing SM Silver B4 - 228 - 840	BESS 4	2x28	840	0054846
Sylwing SM Silver B4 - 135 - 840	BESS 4	1x35	840	0054849
Sylwing SM Silver B4 - 235 - 840	BESS 4	2x35	840	0054850
Sylwing SM Silver B4 - 414 - 840	BESS 4	4x14	840	0054852

Sylwing SM Silver • BESS 8 • 840				
Sylwing SM Silver B8 - 128 - 840	BESS 8	1x28	840	0054853
Sylwing SM Silver B8 - 228 - 840	BESS 8	2x28	840	0054854
Sylwing SM Silver B8 - 135 - 840	BESS 8	1x35	840	0054857
Sylwing SM Silver B8 - 235 - 840	BESS 8	2x35	840	0054858
Sylwing SM Silver B8 - 414 - 840	BESS 8	4x14	840	0054860

Sylwing SM White • BESS 4 • D • 840				
Sylwing SM White B4 - D - 128 - 840	BESS 4	1x28	840	0054861
Sylwing SM White B4 - D - 228 - 840	BESS 4	2x28	840	0054862
Sylwing SM White B4 - D - 135 - 840	BESS 4	1x35	840	0054865
Sylwing SM White B4 - D - 235 - 840	BESS 4	2x35	840	0054866

Sylwing SM White • BESS 8 • D • 840				
Sylwing SM White B8 - D - 128 - 840	BESS 8	1x28	840	0054869
Sylwing SM White B8 - D - 228 - 840	BESS 8	2x28	840	0054870
Sylwing SM White B8 - D - 135 - 840	BESS 8	1x35	840	0054873
Sylwing SM White B8 - D - 235 - 840	BESS 8	2x35	840	0054874

Sylwing SM Silver • BESS 4 • D • 840				
Sylwing SM Silver B4 - D - 128 - 840	BESS 4	1x28	840	0054877
Sylwing SM Silver B4 - D - 228 - 840	BESS 4	2x28	840	0054878
Sylwing SM Silver B4 - D - 135 - 840	BESS 4	1x35	840	0054881
Sylwing SM Silver B4 - D - 235 - 840	BESS 4	2x35	840	0054882

Sylwing SM Silver • BESS 8 • D • 840				
Sylwing SM Silver B8 - D - 128 - 840	BESS 8	1x28	840	0054885
Sylwing SM Silver B8 - D - 228 - 840	BESS 8	2x28	840	0054886
Sylwing SM Silver B8 - D - 135 - 840	BESS 8	1x35	840	0054889
Sylwing SM Silver B8 - D - 235 - 840	BESS 8	2x35	840	0054890

830 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • 830				
Sylwing S White B4 - 228 - 830	BESS 4	2x28	830	0054751
Sylwing S White B4 - 328 - 830	BESS 4	3x28	830	0054752
Sylwing S White B4 - 235 - 830	BESS 4	2x35	830	0054755

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • 830				
Sylwing S White B8 - 228 - 830	BESS 8	2x28	830	0054759
Sylwing S White B8 - 328 - 830	BESS 8	3x28	830	0054760
Sylwing S White B8 - 235 - 830	BESS 8	2x35	830	0054763

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • 830				
Sylwing S Silver B4 - 228 - 830	BESS 4	2x28	830	0054767
Sylwing S Silver B4 - 328 - 830	BESS 4	3x28	830	0054768
Sylwing S Silver B4 - 235 - 830	BESS 4	2x35	830	0054771

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • 830				
Sylwing S Silver B8 - 228 - 830	BESS 8	2x28	830	0054775
Sylwing S Silver B8 - 328 - 830	BESS 8	3x28	830	0054776
Sylwing S Silver B8 - 235 - 830	BESS 8	2x35	830	0054779

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • D • 830				
Sylwing S White B4 - D - 228 - 830	BESS 4	2x28	830	0054783
Sylwing S White B4 - D - 328 - 830	BESS 4	3x28	830	0054784
Sylwing S White B4 - D - 235 - 830	BESS 4	2x35	830	0054787

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • D • 830				
Sylwing S White B8 - D - 228 - 830	BESS 8	2x28	830	0054807
Sylwing S White B8 - D - 328 - 830	BESS 8	3x28	830	0054808
Sylwing S White B8 - D - 235 - 830	BESS 8	2x35	830	0054811

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • D • 830				
Sylwing S Silver B4 - D - 228 - 830	BESS 4	2x28	830	0054815
Sylwing S Silver B4 - D - 328 - 830	BESS 4	3x28	830	0054816
Sylwing S Silver B4 - D - 235 - 830	BESS 4	2x35	830	0054819

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • D • 830				
Sylwing S Silver B8 - D - 228 - 830	BESS 8	2x28	830	0054823
Sylwing S Silver B8 - D - 328 - 830	BESS 8	3x28	830	0054824
Sylwing S Silver B8 - D - 235 - 830	BESS 8	2x35	830	0054827

840 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • 840				
Sylwing S White B4 - 228 - 840	BESS 4	2x28	840	0054831
Sylwing S White B4 - 328 - 840	BESS 4	3x28	840	0054832
Sylwing S White B4 - 235 - 840	BESS 4	2x35	840	0054835

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • 840				
Sylwing S White B8 - 228 - 840	BESS 8	2x28	840	0054839
Sylwing S White B8 - 328 - 840	BESS 8	3x28	840	0054840
Sylwing S White B8 - 235 - 840	BESS 8	2x35	840	0054843

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • 840				
Sylwing S Silver B4 - 228 - 840	BESS 4	2x28	840	0054847
Sylwing S Silver B4 - 328 - 840	BESS 4	3x28	840	0054848
Sylwing S Silver B4 - 235 - 840	BESS 4	2x35	840	0054851

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • 840				
Sylwing S Silver B8 - 228 - 840	BESS 8	2x28	840	0054855
Sylwing S Silver B8 - 328 - 840	BESS 8	3x28	840	0054856
Sylwing S Silver B8 - 235 - 840	BESS 8	2x35	840	0054859

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • D • 840				
Sylwing S White B4 - D - 228 - 840	BESS 4	2x28	840	0054863
Sylwing S White B4 - D - 328 - 840	BESS 4	3x28	840	0054864
Sylwing S White B4 - D - 235 - 840	BESS 4	2x35	840	0054867

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • D • 840				
Sylwing S White B8 - D - 228 - 840	BESS 8	2x28	840	0054871
Sylwing S White B8 - D - 328 - 840	BESS 8	3x28	840	0054872
Sylwing S White B8 - D - 235 - 840	BESS 8	2x35	840	0054875

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • D • 840				
Sylwing S Silver B4 - D - 228 - 840	BESS 4	2x28	840	0054879
Sylwing S Silver B4 - D - 328 - 840	BESS 4	3x28	840	0054880
Sylwing S Silver B4 - D - 235 - 840	BESS 4	2x35	840	0054883

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • D • 840				
Sylwing S Silver B8 - D - 228 - 840	BESS 8	2x28	840	0054887
Sylwing S Silver B8 - D - 328 - 840	BESS 8	3x28	840	0054888
Sylwing S Silver B8 - D - 235 - 840	BESS 8	2x35	840	0054891

with switch cord

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • with switch cord • 830				
Sylwing S White B4 - 228 - 830 +C	BESS 4	2x28	830	0054905
Sylwing S White B4 - 328 - 830 +C	BESS 4	3x28	830	0054906
Sylwing S White B4 - 235 - 830 +C	BESS 4	2x35	830	0054907

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • with switch cord • 830				
Sylwing S White B8 - 228 - 830 +C	BESS 8	2x28	830	0054908
Sylwing S White B8 - 328 - 830 +C	BESS 8	3x28	830	0054909
Sylwing S White B8 - 235 - 830 +C	BESS 8	2x35	830	0054910

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • with switch cord • 830				
Sylwing S Silver B4 - 228 - 830 +C	BESS 4	2x28	830	0054911
Sylwing S Silver B4 - 328 - 830 +C	BESS 4	3x28	830	0054912
Sylwing S Silver B4 - 235 - 830 +C	BESS 4	2x35	830	0054913

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • with switch cord • 830				
Sylwing S Silver B8 - 228 - 830 +C	BESS 8	2x28	830	0054914
Sylwing S Silver B8 - 328 - 830 +C	BESS 8	3x28	830	0054915
Sylwing S Silver B8 - 235 - 830 +C	BESS 8	2x35	830	0054916

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 4 • D • with switch cord • 830				
Sylwing S White B4 - 228 - 830 D+C	BESS 4	2x28	830	0054917
Sylwing S White B4 - 328 - 830 D+C	BESS 4	3x28	830	0054918
Sylwing S White B4 - 235 - 830 D+C	BESS 4	2x35	830	0054919

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S White • BESS 8 • D • with switch cord • 830				
Sylwing S White B8 - 228 - 830 D+C	BESS 8	2x28	830	0054920
Sylwing S White B8 - 328 - 830 D+C	BESS 8	3x28	830	0054921
Sylwing S White B8 - 235 - 830 D+C	BESS 8	2x35	830	0054922

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 4 • D • with switch cord • 830				
Sylwing S Silver B4 - 228 - 830 D+C	BESS 4	2x28	830	0054923
Sylwing S Silver B4 - 328 - 830 D+C	BESS 4	3x28	830	0054924
Sylwing S Silver B4 - 235 - 830 D+C	BESS 4	2x35	830	0054925

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing S Silver • BESS 8 • D • with switch cord • 830				
Sylwing S Silver B8 - 228 - 830 D+C	BESS 8	2x28	830	0054926
Sylwing S Silver B8 - 328 - 830 D+C	BESS 8	3x28	830	0054927
Sylwing S Silver B8 - 235 - 830 D+C	BESS 8	2x35	830	0054928

830 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • 830				
Sylwing R B4 - 314 - 830	BESS 4	314	830	0054709
Sylwing R B4 - 414 - 830	BESS 4	414	830	0054710
Sylwing R B4 - 128 - 830	BESS 4	128	830	0054711
Sylwing R B4 - 228 - 830	BESS 4	228	830	0054712

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 5 • 830				
Sylwing R B5 - 314 - 830	BESS 5	314	830	0054713
Sylwing R B5 - 414 - 830	BESS 5	414	830	0054714
Sylwing R B5 - 128 - 830	BESS 5	128	830	0054715
Sylwing R B5 - 228 - 830	BESS 5	228	830	0054716

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • Ger module • 830				
Sylwing R B4 G - 314 - 830	BESS 4	314	830	0054717
Sylwing R B4 G - 414 - 830	BESS 4	414	830	0054718
Sylwing R B4 G - 128 - 830	BESS 4	128	830	0054719
Sylwing R B4 G - 228 - 830	BESS 4	228	830	0054720

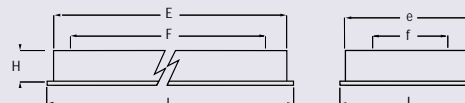
Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • D • 830				
Sylwing R B4 - D - 128 - 830	BESS 4	128	830	0054723
Sylwing R B4 - D - 228 - 830	BESS 4	228	830	0054724

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 5 • D • 830				
Sylwing R B5 - D - 128 - 830	BESS 5	128	830	0054727
Sylwing R B5 - D - 228 - 830	BESS 5	228	830	0054728

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • D • Ger module • 830				
Sylwing R B4 G - D - 128 - 830	BESS 4	128	830	0054731
Sylwing R B4 G - D - 228 - 830	BESS 4	228	830	0054732

Designation	Code
Sylwing Recessed accessory	
Sylwing T5 side arms set	5052328

D = Dimmable ballast



840 lamp

included

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • 840				
Sylwing R B4 - 314 - 840	BESS 4	314	840	0054733
Sylwing R B4 - 414 - 840	BESS 4	414	840	0054734
Sylwing R B4 - 128 - 840	BESS 4	128	840	0054735
Sylwing R B4 - 228 - 840	BESS 4	228	840	0054736

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 5 • 840				
Sylwing R B5 - 314 - 840	BESS 5	314	840	0054737
Sylwing R B5 - 414 - 840	BESS 5	414	840	0054738
Sylwing R B5 - 128 - 840	BESS 5	128	840	0054739
Sylwing R B5 - 228 - 840	BESS 5	228	840	0054740

Designation	Optic	Nr of lamps	LampT*	Code
Sylwing R • BESS 4 • D • 840				
Sylwing R B4 - D - 128 - 840	BESS 4	128	840	0054743
Sylwing R B4 - D - 228 - 840				

Sylspace 5 SMS • Visual 60 optic (SV60)

Code	Code
SV60 128	0055040
SV60 228	0055041
SV60 135	0055042
SV60 235	0055043

Sylspace 5 SMS • Parabolic Optic (SSP)

SSP 128	0055044
SSP 228	0055045
SSP 135	0055046
SSP 235	0055047

Sylspace 5 SMS • Accessories

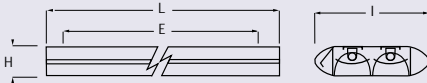
Suspension set (for one fitting)	5044210
Supply cable 3 x 0.75 mm ² + plug	5070894
Supply cable 3 x 0.75 mm ²	5070897



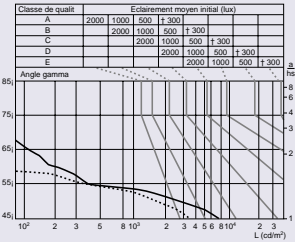
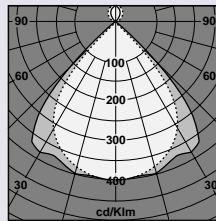
Suspension set



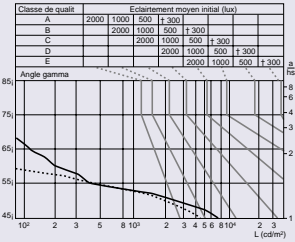
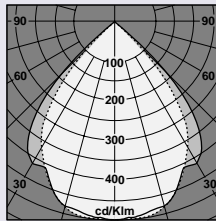
Supply cable + plug



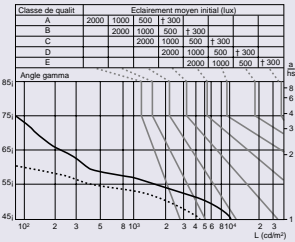
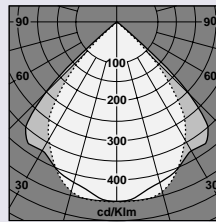
VISUAL 60 Optic Direct & Direct/Indirect



VISUAL 60 Optic Direct



PARABOLIC Optic SSP



Dimensions (mm)

Lamp	L	I	F	H
1 x 28	1172	175	1000	59
1 x 35	1472	175	1000	59
2 x 28	1172	260	1000	59
2 x 35	1472	260	1000	59

SYLSPACE 5 SMS SV60 128	LOR	Intensity distribution			Luminance					SHR			
		DIN	BZ	UTE	AFE	<200 cd/m ²		CIBSE LG3	UGR 7.5.2	L	T		
		5040 T2	CIBSE TM5	C71-121		CO C90 planes	EN 12464 all C planes						
SYLSPACE 5 SMS SV60 D/I 128	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SMS SV60 228	77%	A60	BZ1	0.68B + 0.09T	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	14	1.45	1.65
SYLSPACE 5 SMS SV60 D/I 228	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SMS SV60 135	77%	A60	BZ1	0.68B + 0.09T	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	14	1.45	1.65
SYLSPACE 5 SMS SV60 D/I 135	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SMS SV60 235	77%	A60	BZ1	0.68B + 0.09T	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	14	1.45	1.65
SYLSPACE 5 SMS SV60 D/I 235	77%	A60	BZ1	0.77B	BL	60.0°	62.5°	57.5°	CAT 2	62.5°	15	1.40	1.55
SYLSPACE 5 SMS SSP 128	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SMS SSP D/I 128	76%	B63	BZ1	0.67B + 0.09T	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SMS SSP 228	76%	A60	BZ1	0.76B	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70
SYLSPACE 5 SMS SSP D/I 228	76%	B63	BZ1	0.67B + 0.09T	BL	67.5°	67.5°	60.0°	CAT 3	67.5°	16	1.45	1.70