

softcell 3

Recessed fluorescent: LG3/LG7 Compliant T5 fluorescent system



APPLICATION

Areas requiring full LG3:2001/ LG7:2005 compliance

- Commercial offices
- Receptions
- Conference rooms
- Board rooms

Retail areas such as:

- Department stores
- Car showrooms
- Banks
- Other high street service providers

SPECIFICATION

Aerofoil

- Lamp options:
 - 500mm aerofoil – 3 or 4 x 14W
 - 600mm aerofoil – 3 or 4 x 14 or 24W
- Control gear, lamps and 3 hour integral emergency pack contained within aerofoil assembly
- Aerofoil in 0.8mm gauge perforated steel
- Finished RAL 9010
- One piece colour coded end-caps in injection moulded polycarbonate
- High frequency or high frequency dimming gear as standard
- MIRO 5 zero iridescent semi-specular curved nose louvre
- Access for maintenance in seconds. No tools required. Aerofoil assembly retained on steel cords
- No disruption to Coanda effect
- LOR 600 x 600mm; 4 x 14W – 0.64 with recessed mount, 0.67 with concealed mounting rail
- Air handling as standard 20 litres per second
- Lamps not supplied, 4000K recommended
- Flying lead and socket option for easy installation

Options

-  Easytest – integral self test version available see page 181
-  Command 3 – intelligent integrated lighting control system optional see page 197

Ceiling mounts

- 600 x 600mm and 500 x 500mm recessed ceiling mounts in 0.8mm gauge steel designed to replace a complete tile
- 600mm concealed mounting rail designed to pass through a cut tile
- 600mm surface mount



Surface ceiling mount



Concealed mounting rail



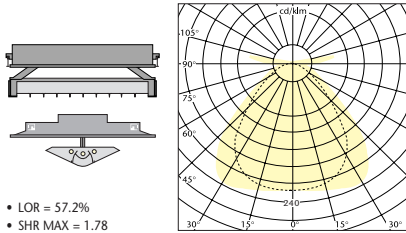
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Recessed fluorescent: LG3/LG7 Compliant T5 fluorescent system

PHOTOMETRY

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600 x 600 - RECESSED SEMI-SPECULAR
3 x 14W T5 Lamps



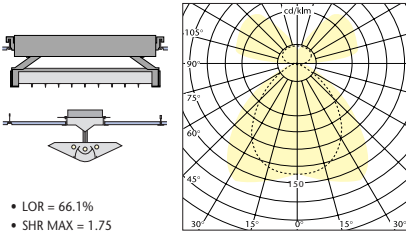
- LOR = 57.2%
- SHR MAX = 1.78

UTILISATION FACTORS UF(F) SHR NOM = 1.75

Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	N/A	0.42	0.46	0.48	0.51	0.54	0.55	0.57	0.59
0.50	0.30	0.20	N/A	0.38	0.41	0.43	0.46	0.49	0.50	0.52	0.54
0.00	0.00	0.00	N/A	0.33	0.35	0.37	0.40	0.42	0.43	0.45	0.47

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600 x 600 - RECESSED RAIL SEMI-SPECULAR
3 x 14W T5 Lamps

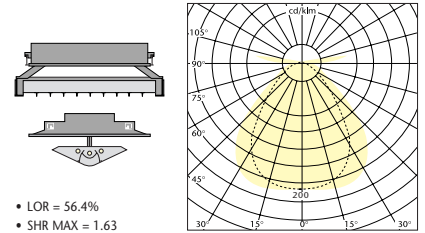


- LOR = 66.1%
- SHR MAX = 1.75

UTILISATION FACTORS UF(F)											SHR NOM = 1.50
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.36	0.41	0.45	0.47	0.51	0.54	0.56	0.58	0.60
0.50	0.30	0.20	0.29	0.33	0.36	0.39	0.42	0.45	0.46	0.49	0.50
0.00	0.00	0.00	0.20	0.23	0.25	0.26	0.28	0.30	0.31	0.32	0.33

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500 x 500 - RECESSED MOUNT
3 x 14W T5 Lamps

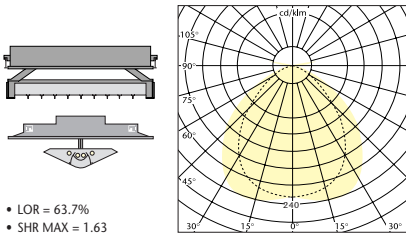


- LOR = 56.4%
- SHR MAX = 1.63

UTILISATION FACTORS UF(F)										SHR NOM = 1.50	
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.36	0.40	0.43	0.46	0.49	0.51	0.53	0.55	0.56
0.50	0.30	0.20	0.31	0.35	0.38	0.40	0.44	0.46	0.47	0.49	0.51
0.00	0.00	0.00	0.26	0.29	0.32	0.34	0.36	0.38	0.39	0.41	0.42

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600 x 600 - RECESSED SEMI-SPECULAR
4 x 14W T5 Lamps



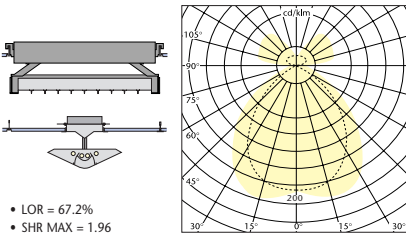
- LOR = 63.7%
- SHR MAX = 1.63

UTILISATION FACTORS UF(F) SHR NOM = 1.50

Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.42	0.47	0.51	0.54	0.58	0.60	0.62	0.64	0.66
0.50	0.30	0.20	0.37	0.42	0.46	0.48	0.52	0.55	0.56	0.59	0.60
0.00	0.00	0.00	0.32	0.36	0.40	0.42	0.45	0.48	0.49	0.51	0.52

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600 x 600 - RECESSED RAIL SEMI-SPECULAR
4 x 14W T5 Lamps

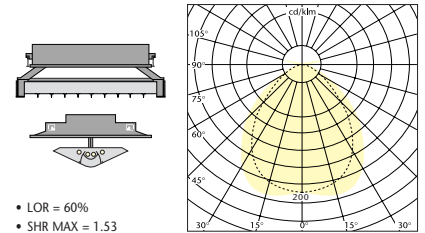


- LOR = 67.2%
- SHR MAX = 1.96

UTILISATION FACTORS UF(F)											SHR NOM = 1.50
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.40	0.45	0.49	0.51	0.56	0.58	0.60	0.62	0.64
0.50	0.30	0.20	0.34	0.38	0.42	0.44	0.48	0.50	0.52	0.54	0.55
0.00	0.00	0.00	0.26	0.29	0.32	0.34	0.36	0.37	0.38	0.40	0.41

Softcell 3

500 x 500 - RECESSED MOUNT
4 x 14W T5 Lamps



- LOR = 60%
- SHR MAX = 1.53

UTILISATION FACTORS UF(F)										SHR NOM = 1.50	
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.40	0.45	0.48	0.51	0.54	0.56	0.58	0.60	0.61
0.50	0.30	0.20	0.36	0.40	0.43	0.46	0.49	0.51	0.53	0.55	0.56
0.00	0.00	0.00	0.31	0.34	0.37	0.39	0.42	0.44	0.45	0.47	0.48

LAMP PERFORMANCE MATRIX

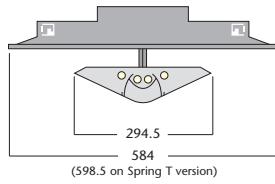
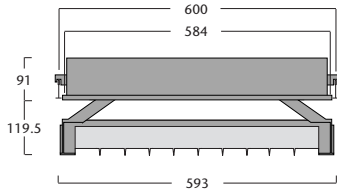
WATTAGE	IL@25°C	LAMP LIFE
1 x 14W T5	1200	20,000
1 x 24W T5	1750	20,000



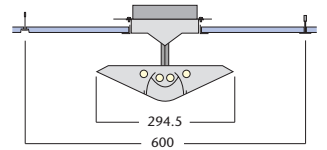
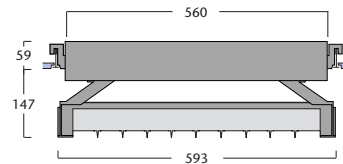
Access for maintenance in seconds

DIMENSIONS

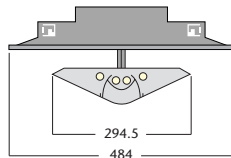
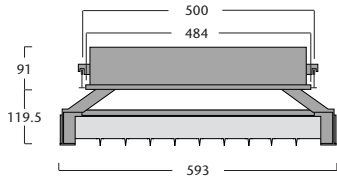
RECESSED MOUNT 600 X 600



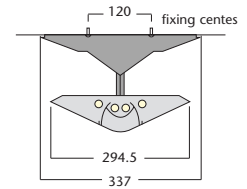
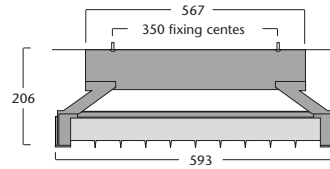
600MM CONCEALED MOUNTING RAIL



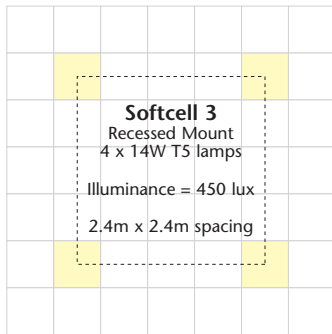
RECESSED MOUNT 500 X 500



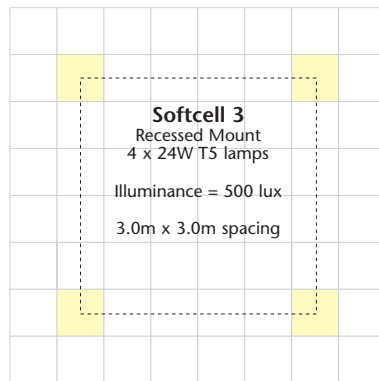
600MM SURFACE MOUNT



PERFORMANCE GUIDE



Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	2.7m
Working Plane	0.8m



Maintenance	0.8
Reflectance	70/50/20
Ceiling Height	2.7m
Working Plane	0.8m

softcell 3

Recessed fluorescent: LG3/LG7 Compliant T5 fluorescent system

ORDER CODES – SOFTCELL 3

LG3:2001/LG7:2005 COMPLIANT ENVIRONMENTS DELIVERED WITH A SINGLE SOLUTION

QuickLink **SOF3** Go

A complete luminaire requires an aerofoil and the appropriate ceiling mount. To confirm a ceiling mount can be used with a given aerofoil, check ceiling mount options in the tables below

AEROFOILS

SUPPLIED LESS LAMPS	CEILING MOUNT OPTIONS	AEROFOIL DESCRIPTION	ORDER CODE
3 x 14	A, B, C or E	600mm aerofoil	SOF3W5H314
4 x 14	A, B, C or E	600mm aerofoil	SOF3W5H414
3 x 24	A, B, C or E	600mm aerofoil	SOF3W5H324
4 x 24	A, B, C or E	600mm aerofoil	SOF3W5H424
3 x 14	D	500mm aerofoil	SOF35W5H314
4 x 14	D	500mm aerofoil	SOF35W5H414

Note: Versions with 24W T5 HO lamps exceed the LG3:2001 brightness limits but this will not be an issue with many modern screens

ANALOGUE DIMMING Substitute suffix **R** in place of the H in the order codes above

R High frequency analogue dimming gear, i.e. **SOF3W5R314**

COMMAND 3  Substitute suffix **C** in place of the H in the order codes above

C Intelligent integrated lighting control system, i.e. **SOF3W5C314**

OPTIONS Add suffix to order code

EMIN 3 hour integral emergency, i.e. **SOF3W5R314EMIN**

EASYTEST OPTION Add suffix to order code above

/ET  Integral self autotest, i.e. **SOF3W5R314/ET**

CEILING MOUNTS

OPTIONS (SEE ABOVE)	CEILING MOUNT DESCRIPTION	ORDER CODE
A	Recessed ceiling mount to replace 600 x 600 tile – exposed T	SOF3600XT
B	Recessed ceiling mount to replace 600 x 600 tile – spring T	SOF3600ST
C	Concealed mounting rail for 600 x 600 exposed T ceiling aerofoil engaging via a slot in the tile	SOF3600MRXT
D	Recessed ceiling mount to replace 500 x 500 tile – exposed T	SOF3500XT
E	Surface ceiling mount for 600mm aerofoil	SOF3600SM



Recessed ceiling mount



Surface ceiling mount



Concealed mounting rail

To specify state:

Architectural T5 luminaire offering semi-recessed and surface options in a single family aesthetic, all delivering >50% of average working plane illuminance on walls and 30% on ceilings while avoiding abrupt luminance change. Curved nose louvre to 60mm radius in MIRO 5 material. Aerofoil cross section – depth 77mm, width 295mm, with 2mm perforation. No disruption to Coanda effect – as Whitecroft Lighting SOFTCELL 3

softcell 3 mist

Recessed fluorescent: T5 Semi-recessed and surface architectural diffuser luminaire

APPLICATION

Softcell 3 Mist is designed for those applications where complete lamp concealment is required. It is commonly used in:

- Office break out areas
- Ambient retail lighting
- Corridors
- Conference rooms
- Boardrooms

SPECIFICATION

Aerofoil

- 4 x 14W T5 lamps
- Control gear, lamps and 3 hour integral emergency pack contained within aerofoil assembly
- Aerofoil in 0.8mm gauge perforated steel
- Finished RAL 9010
- One piece colour coded end-caps in injection moulded polycarbonate

- High frequency or analogue dimming gear as standard
- Positively retained profiled opal polycarbonate TP(a) diffuser
- Access for maintenance in seconds. No tools required. Aerofoil assembly retained on steel cords
- No disruption to coanda effect in either the transverse or axial direction
- Air handling as standard 20 litres per second (recessed only)

- Lamps not supplied, 4000K recommended
- Flying lead and socket option for easy installation

Options

-  Easytest – integral self test version available see page 181

Ceiling mount

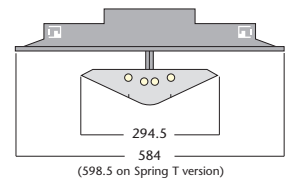
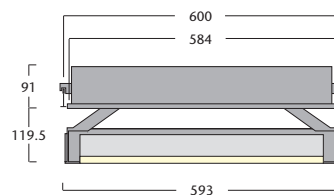
- For ceiling mount details see opposite page



LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 14W T5	1200	20,000

DIMENSIONS



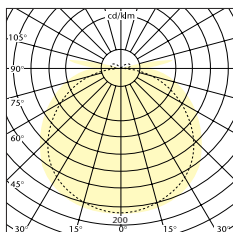
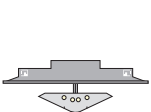
QuickLink

SOFM

Go

PHOTOMETRY

Softcell 3
OPAL DIFFUSER – RECESSED CEILING MOUNT
4 x 14W T5 Lamps



- LOR = 65.5
- SHR MAX = 1.70

UTILISATION FACTORS UF(F) Room Reflectance Room Index

C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.35	0.41	0.45	0.49	0.53	0.57	0.59	0.62	0.64
0.50	0.30	0.20	0.29	0.34	0.39	0.42	0.47	0.50	0.52	0.56	0.58
0.00	0.00	0.00	0.23	0.27	0.31	0.34	0.38	0.41	0.43	0.46	0.48

SHR NOM=1.50

ORDER CODES – SOFTCELL 3 MIST

ARCHITECTURAL DIFFUSER LUMINAIRE – AEROFOIL REFERENCE

SUPPLIED LESS LAMPS	AEROFOIL	HIGH FREQUENCY	ANALOGUE DIMMING
4 x 14W T5	600mm	SOF3PH414	SOF3PR414

Note: Ceiling mounts must be ordered separately – see opposite page for order codes. Softcell 3 Mist only for use with ceiling mount types A, B, C or E

EMERGENCY Add suffix to order code

EMIN 3 hour integral emergency, i.e. **SOF3PH414EMIN**

EASYTEST OPTION Add suffix to order code above

/ET  Integral self autotest, i.e. **SOF3PH414/ET**

To specify state:

Architectural T5 luminaire offering semi recessed and surface options in a single family aesthetic. Profiled diffuser in opal polycarbonate TP(a) material mounted centrally in an aerofoil. Aerofoil cross section – depth 77mm, width 295mm. No disruption to coanda effect of airflow in the axial or transverse direction – as Whitecroft Lighting **SOFTCELL 3 MIST**