

Diffusalux^{1:3}



36W, 58W, 70W | T8 | G13



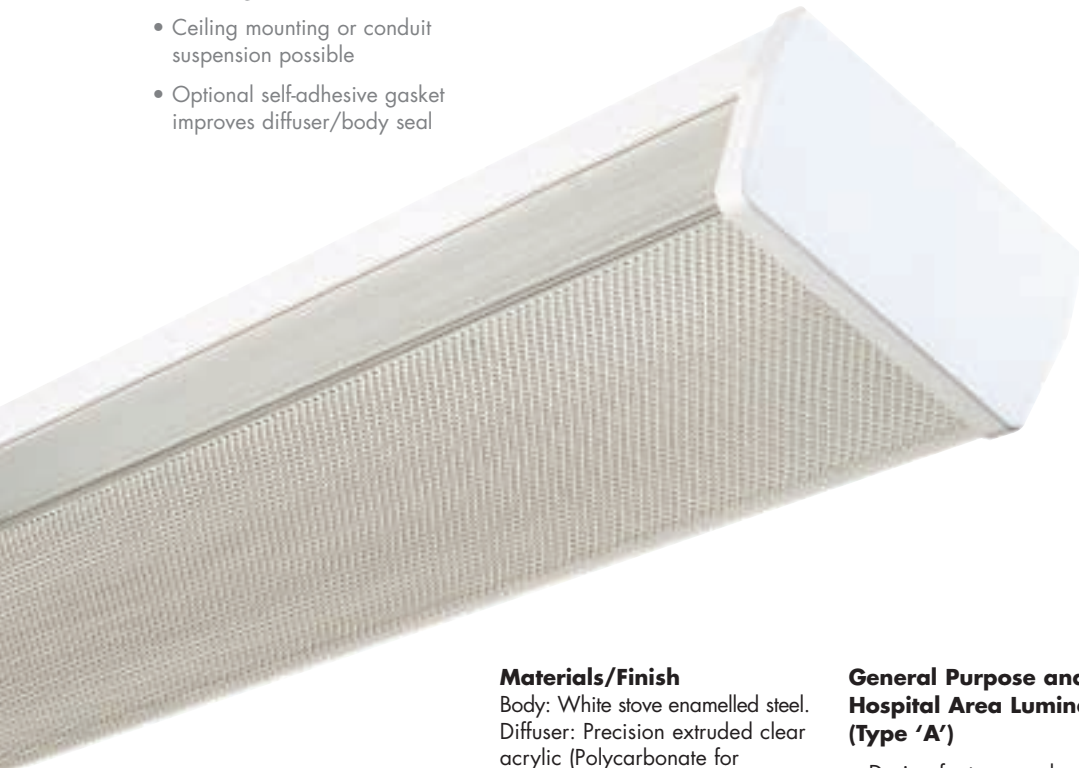
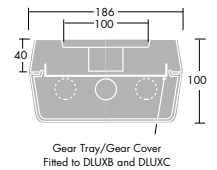
5W, 7W | TC

IP40 (surface mounted) and IP20 (suspended) | EN 60598



A range of high performance T8 fluorescent luminaires. For General Purpose and Hospital Areas (Type 'A') and 'Colleges'.

- Single and twin 1200mm, 1500mm and 1800mm sizes
- Clear acrylic prismatic diffuser gives good glare control
- Choice of high frequency electronic and switchstart control gear
- Ceiling mounting or conduit suspension possible
- Optional self-adhesive gasket improves diffuser/body seal
- Integrated emergency lighting versions available
- Digital dimming and Sensa 3 intelligent versions of College variant available



Materials/Finish

Body: White stove enamelled steel.
Diffuser: Precision extruded clear acrylic (Polycarbonate for emergency versions).

Installation/Mounting

Standard BESA fixings with central or off-set cable entry positions. 4-way large-capacity terminal block suitable for looping. Intelligent Sensa 3 version has fused 3 way terminal block with capacity for 2 x 2.5mm² cables.

General Purpose and Hospital Area Luminaire (Type 'A')

- Design features and options to suit general hospital lighting
- Photometric performance of single-lamp luminaires complies with BS4533-103.2 (photometric characteristics of luminaires for hospitals and health care buildings)
- Internal nightlight facility can be added on site
- Spring end caps for ease of maintenance
- Internal fusing for electrical isolation

Night Light

- Maintains styling of Diffusalux luminaires
- Stand-alone, night light to mount alongside the other hospital luminaires
- Available with 5/7W TC compact fluorescent lamps



Ordering Guide Lamps to be ordered separately.

Lamp type & rating	Overall length (mm)	Weight (kg) †	HF Electronic Cat. No.	Switchstart Cat. No.
Diffuslux General Purpose and Hospital (Type 'A')				
T8 1 x 36W	1261	6.4	DLUXAZ136*	DLUXAS136
T8 2 x 36W	1261	6.9	DLUXAZ236*	DLUXAS236
T8 1 x 58W	1561	6.8	DLUXAZ158*	DLUXAS158
T8 2 x 58W	1561	7.3	DLUXAZ258*	DLUXAS258
T8 1 x 70W	1825	7.5	DLUXAZ170*	DLUXAS170
T8 2 x 70W	1825	7.8	DLUXAZ270*	DLUXAS270

Diffuslux Dedicated Nightlight

TC 5/7W	220	2.1	-	DLUXNL5/7
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† Listed weight is for HF electronic versions, Switchstart approx. 0.4kg more.

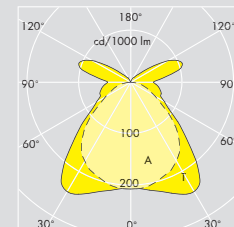
* Maintained emergency lighting versions available, prefix Cat. No. with 'EE3'.

Accessories

Description	Overall length (mm)	Cat. No.
Gasket sealing kit for all luminaire types	1200	DLUXG1200
	1500	DLUXG1500
	1800	DLUXG1800
Nightlight kit with 5/7W TC lamp		DLUXNL5/7KIT

Specification

To specify state:
High performance single/twin 36W/58W/70W fluorescent luminaire with clear acrylic diffuser and HF electronic/switchstart control gear for general purpose and hospital lighting (Type 'A').
As Thorn Diffuslux Hospital.



Cat. No. DLUX CZ 158
Lamp: 1 x 58W T8
DLOR: 0.64 LOR: 0.81
SHR max: 2.03 LMG: E

Utilisation factors UF (F)

Reflectances	Room Index							
	C	W	F	1.0	2.0	3.0	4.0	5.0
0.8	0.6	0.2	0.62	0.74	0.79	0.82	0.84	
0.5			0.58	0.71	0.77	0.80	0.82	
0.3			0.52	0.66	0.72	0.76	0.79	
0.7	0.6	0.2	0.60	0.71	0.76	0.78	0.80	
0.5			0.56	0.68	0.73	0.77	0.78	
0.3			0.51	0.64	0.70	0.73	0.76	
0.5	0.6	0.2	0.55	0.65	0.69	0.72	0.73	
0.5			0.53	0.63	0.68	0.70	0.72	
0.3			0.48	0.59	0.65	0.68	0.70	

Cat. No. EE3DLUX CZ158 Maintained 2m Escape route

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		centre to end	between centres
1.0 trans	2.5	3.00	7.40
	3.0	3.20	8.00
	3.5	3.35	8.50
1.0 axial	2.5	2.80	6.90
	3.0	3.00	7.50
	3.5	3.05	8.00

Open area

Min illum (lux)	Mounting height (m)	Max spacing (m)			
		centre to end		between centres	
		Trans	Axial	Trans	Axial
0.5	2.5	2.65	2.65	8.10	8.10
	3.0	2.90	2.90	8.70	8.70
	3.5	3.05	3.05	9.20	9.20

Diffusalux College/SensaDigital & SensaLink Digital^{3:3}

Designed to meet guidelines for lighting in schools, colleges and other educational establishments.

- Screw-fixed end caps for improved diffuser security
- Control gear is covered to protect maintenance staff
- Lamps, starter switches and fuses are all readily accessible without risk of electrical contact
- Digital dimmable Controlite versions
- Emergency versions available
- SensaDigital and SensaLink Digital intelligent version for lighting control and energy saving (see also Lighting Controls page 130)
- Choice of light level using infra-red programming tool
- Hand-held infra-red override
- Involves extremely simple set up and installation



College version



Sensa version

Specification

To specify state:
High performance/Digital Dimmable/SensaDigital/SensaLink Digital/single/twin 36W/58W/70W fluorescent luminaire with clear acrylic diffuser and HF Digital Dimmable/electronic/switchstart control gear, meeting guidelines for lighting in educational establishments. As Thorn Diffusalux College/SensaDigital/SensaLink Digital.



Ordering Guide Lamps to be ordered separately.

Lamp type & rating	Overall Length (mm)	Weight (kg) †	HF Electronic Cat. No.	Switchstart Cat. No.
Diffusalux College				
T8 1 x 36W	1261	7.2	DLUXCZ136*	DLUXCS136
T8 2 x 36W	1261	7.9	DLUXCZ236*	DLUXCS236
T8 1 x 58W	1561	7.8	DLUXCZ158*	DLUXCS158*
T8 2 x 58W	1561	8.3	DLUXCZ258*	DLUXCS258
T8 1 x 70W	1825	8.7	DLUXCZ170*	DLUXCS170*
T8 2 x 70W	1825	9.2	DLUXCZ270*	DLUXCS270

Diffusalux College Digital Dimmable Controlite Versions

T8 2 x 36W	1261	DLUXC236CLD
T8 2 x 58W	1561	DLUXC258CLD

† Listed weight is for HF electronic versions, Switchstart versions approx. 0.4kg heavier.

* Maintained emergency lighting versions available, prefix Cat. No. with 'EE3'.

Export voltages available, refer to page 553 for details.

Diffusalux College SensaDigital/SensaLink Digital Intelligent Versions

Lamp type & rating	Overall length (mm)	Weight (kg)	SensaDigital Cat. No.	SensaLink Digital Cat. No.
T8 1 x 36W	1398	6.6	IQMF DLUXC 136	SLK DLUXC 136
T8 1 x 58W	1692	7.3	IQMF DLUXC 158	SLK DLUXC 153
T8 2 x 36W	1398	6.8	IQMF DLUXC 236	SLK DLUXC 236
T8 2 x 58W	1692	7.5	IQMF DLUXC 258	SLK DLUXC 258

Emergency versions available, insert EE3 as follows SLK EE3 DLUXC 136.

Emergency Fitting Weights add 3.1kg.

Accessories

Description	Cat. No.
SensaDigital Infra-red Hand held override	S3IRHH
SensaDigital Programming tool	S3DIRPT

See pages 131-134 for SensaLink Digital system description and accessories.