

# DimSlim

(T5 dimmable lighting fixture)

FEELUX

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## *Control the light, control the mood*

Dimslim is the most undersized dimmable fluorescent lamp in the world. It now offers designers the option of providing a fully dimmable fluorescent lighting system with built-in electronic ballast, which has been engineered to be accommodated in the smallest spaces.

Utilizing the unique 3-pin fixed or flexible modular linking system, Dimslim can provide a continuous line of light. Its

dimming range is rated from 10%~100%, saving 80% of energy consumption at the lowest light level.

Dimslim is controlled by a simple wall mounted Feelux controller; TC-S1 or TC-S2, (TC-S1: intensity control only/ (TC-S1: intensity control only/ TC-S2; intensity and color temp. control, performing 49 combinations of color temperature and intensity)

It simulates the light of changing seasons and even various time of day, such as sunrise, midday and sunset.

In addition, the Dimslim is designed to be compatible with most commercial proprietary dimming systems-DALI, DSI, and DMX by utilizing the signal translator.

(T5 dimmable lighting fixture)

**DimSlim**  
FEELUX



Teistra project / Dimslim with DALI translator / Melbourne Australia 2005

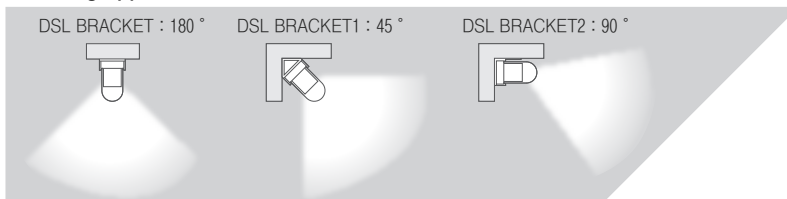
#### Features

- The world smallest dimmable fluorescent fixture
- Built-in electronic ballast with aluminum body
- Quick and easy fit 3-pin 'Bus' connection
- Dimming down to 5% of max, output
- Compatible with DALI, DSL and DMX: using signal translator

#### Benefits

- Minimum space requirement
- Maximum design capability
- Compliance with aesthetic requirements
- Reduces installation time
- Suitable for either large or small project

#### Mounting application



**Dimslim 14W fixture**  
/length 595mm (23.42 inch)

**Dimslim 21W fixture**  
/length 895mm (35.23 inch)

**Dimslim 28W fixture**  
/length 1195mm (47.04 inch)

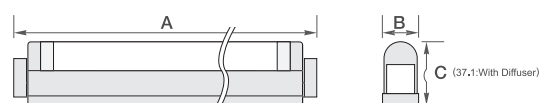




Dimslim consists of build-in ballast fixture, fluorescent bulb and polycarbonate diffuser. The diffuser protects fixture and bulb from dust and damage so that Dimslim can be excellent lighting solution for and art gallery.

Following bulbs are available upon request : 2200K, 8000K 3000K, 4000K, 6500K, Red, Blue, Yellow, Pink, Purple.

### Dimslim External Dimensions



Model No.	Lamp power (Watt)	A Length (mm)	B Width (mm)	C Height (mm)
DSL14AB23NN/T	14	595	24,2	35,6
DSL21AB23NN/T	21	895	24,2	35,6
DSL28AB23NN/T	28	1195	24,2	35,6
DSL35AB23NN/T	35	1495	24,2	35,6



**Dimslim 35W fixture**  
/length 1495mm (58.85 inch)

**Dimslim 35W fixture**  
with diffuser



### For all Dimslim

- 1) Frequency range : 50/60Hz
- 2) Voltage : 100-130V / 220-240V
- 3) Power factor : >97%(max.intensity), >70%(min.intensity)
- 4) Operation temperature : 10-45\*
- 5) Diameter : 16mm (T5)
- 6) Class of protection II
- 7) Degree of protection IP20

\* Dimmable high output version 24W, 39W, 54W available coming soon.

## Easy Connection



DSLCA/T is the direct connecting cap for DimSlim.



DimSlim is compatible for in-line connection with designated cables as well.

The following length cables are available upon request:  
150mm (6 inch), 300mm (1 feet)  
600mm (2 feet), 1200mm (4 feet)  
1800mm (6 feet).



DimSlim is completely supplied with standard mounting brackets.

## Accessories



TC-S1  
- 2 channel  
- Max. Connection : 10pcs of DimSlim per channel  
- Control range : 7 levels of each intensity  
- Input power : AC90~240V  
- Frequency : 50/60Hz  
- Output protocol : PWM 400Hz  
- Dimension : (W70 X H120 X D38)mm



TC-S2  
- 2 channel  
- Max. Connection : 10pcs of DimSlim per channel  
- Control range : 7 levels of each intensity & Kelvin temp.  
- Input power : AC90~240V  
- Frequency : 50/60Hz  
- Output protocol : PWM 400Hz  
- Dimension : (W70 X H120 X D38)mm



SR-02  
Remote controller



DSLCA/T  
direct connecting cap



DSLOPC230/T  
Powercord 1800mm (6 feet) for TC-S1 or TC-S2)



DSLPTC/T connecting cable 150mm (6 inch)  
DSLPTC1/T connecting cable 300mm (1 feet)  
DSLPTC2/T connecting cable 600mm (2 feet)  
DSLPTC4/T connecting cable 1200mm (4 feet)  
DSLPTC6/T connecting cable 1800mm (6 feet)

## ■ DimSlim Upgrade Device

### Booster



TC-S1 & TC-S2 is able to connect to a maximum of 10 pieces of DimSlim per channel, and remarkably extends the connecting capability.  
Link the Booster at the 10th DimSlim from TC-S1 or TC-S2, and 20 more pieces of fixture can be connected

- 2 Channels
- Maximum connection:  
Max.10 pcs of Dimslim/Ch
- Volt : AC90~240V
- Frequency : 50/60Hz
- Output protocol : PWM 400Hz
- Dimension : (H23 X W115 X D45)mm

### DALI/DSIDMX to DimSlim PWM Translate (Model:DTOPWM01)



DTOPWM01 will interface DimSlim PWM with any other DALI/DSI/DMX manufactured control proprietary system.

- A single DTOPWM01 can handle a total of 3,500 lamp watts.
- 4 independent PWM output signals for DimSlim
- Maximum connecting load for individual output is 10 amps/1750 lamp watts per circuit, or 50 fixtures per channel.

#### Availability :

- Translates standard DALI 4 device protocol with DALI
- Translates standard DMX 512 protocol
- Translates DSI protocol
- Volt : AC198~264V
- Frequency : 50/60Hz
- Current : 20amp~4mm<sup>2</sup> terminals
- Mechanical fixing : DIN rail clip lock
- Dimension : (H86 X W209 X D66)mm

### DA02V10 (0~10V/1~10V TO PWM translator)



- Item number : DA02V10(0~10V/1~10V to PWM translator)
- Rated Input : AC 100~24V, 50/60Hz
- Channel : 2 CH
- Maximum connection : DimSlim 10 pcs / ch
- Signal : Input : 0~10V/1~10V  
Output : PWM
- Dimension : 134\*44\*22.5 (mm)

## ■ Wireless Control



### DA02Z(decoder)

- Model : DA02Z
- Frequency : 2.4~2.4835 GHz
- Current : Max.2A per channel
- Protocol : IEEE 802.15.4RF
- Reception : -94dBm
- Output : Max.0dBm
- Input Power : AC230V 50Hz
- Load : Max 10 Dimslim per channel
- Channel : 2 channel

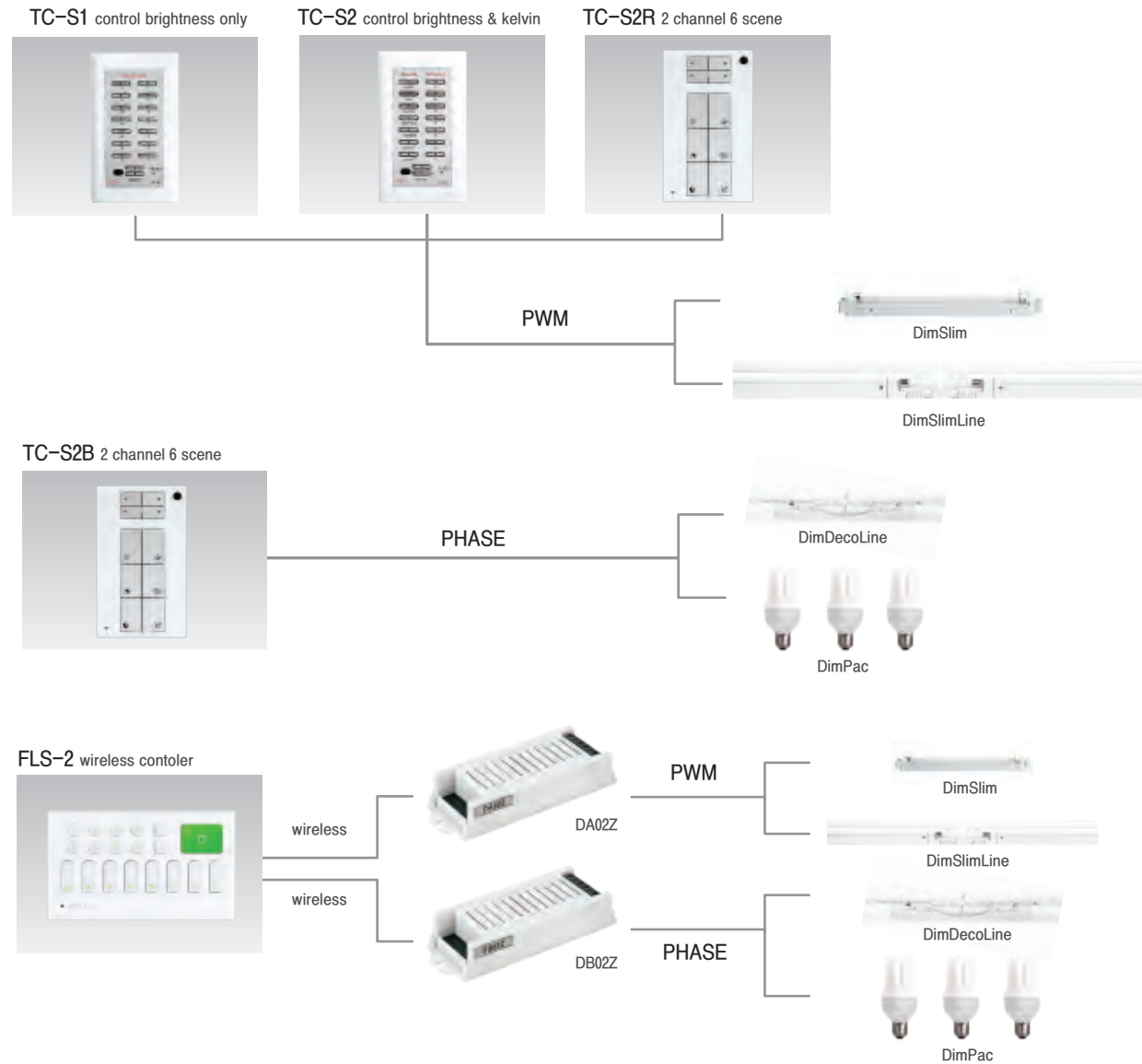


### FLS-2

- Frequency : 2.4~2.4835 GHz
- Channel : 16
- Protocol : IEEE 802.15.4RF
- Reception : -94dBm
- Output : Max.0dBm
- Power : AAA 1.5V x 2
- Battery life : 12mths

## ■ Intelligent Lighting System

### 1. Feelux Controller



### 2. Other system interface

DTOPWM01

DA02V10