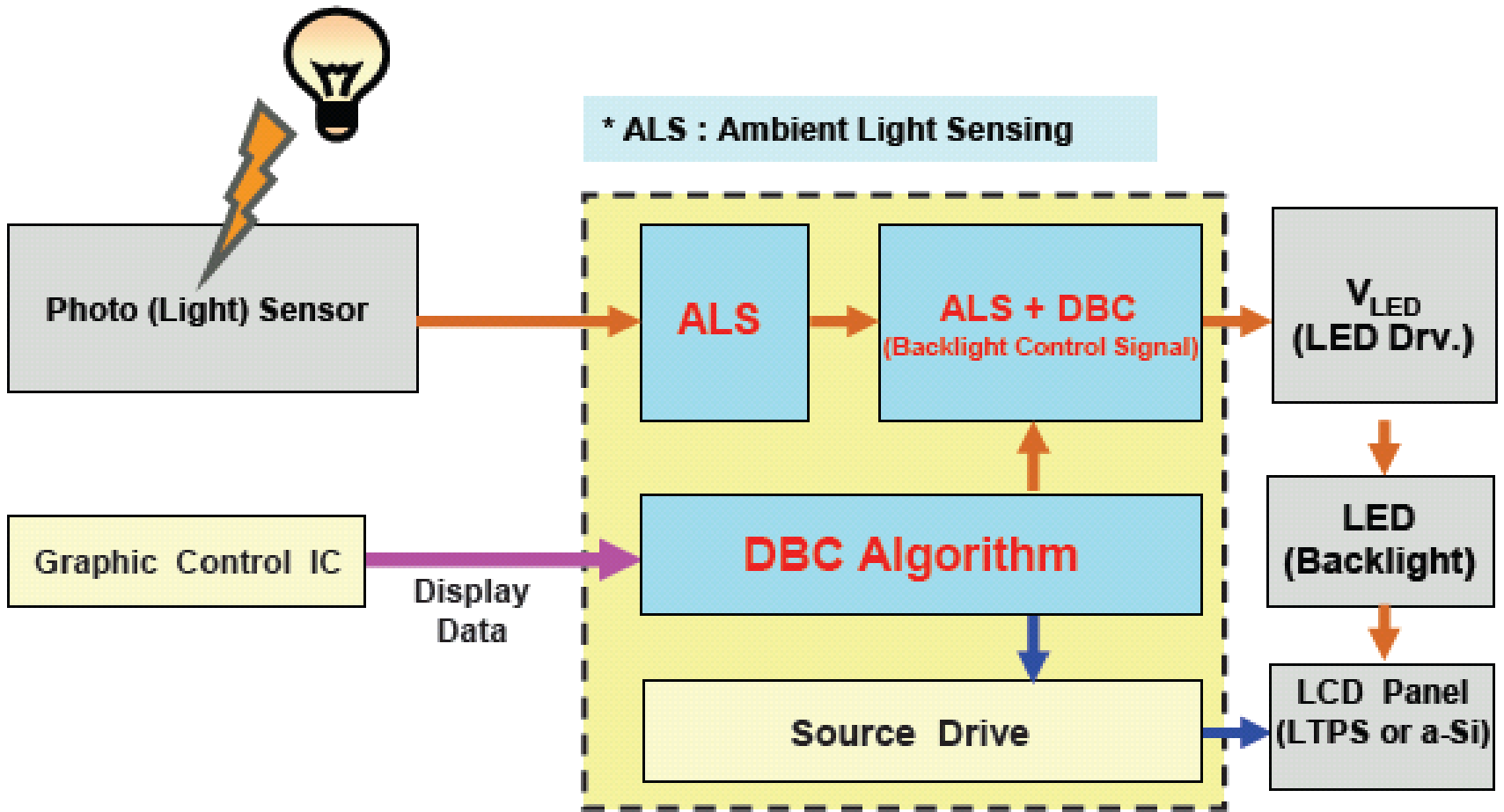

DBC = Dynamic Backlight Control

Your new TFT module with DBC can:

- Dramatically reduce power consumption;
- Increase available battery time.

Truly Model TFT-G240320UTSW-112W-E



* ALS : Ambient Light Sensing

* DBC : Dynamic Backlight Control

Basic Operation

1. Acquire ambient brightness from photo sensor
2. Analyze image pattern data with DBC algorithm
3. Control the brightness of LED by changing the source voltage output
4. Brightness level = 8 steps from 56% to 100 %
5. Reduction in power consumption depends on image pattern data

Display Quality (Still/UI Images)

Original Image



< Fig.1 Cafe >

DBC Image



Power Saving: 15.63%

Original Image



< Fig.2 Fruits >

DBC Image



Power Saving: 34.38%



< Fig.3 Face Bar >



Power Saving: 25.00%



< Fig.4 Wedding >



Power Saving: 3.13%



< Fig.5 Smoke >



Power Saving: 50.00%

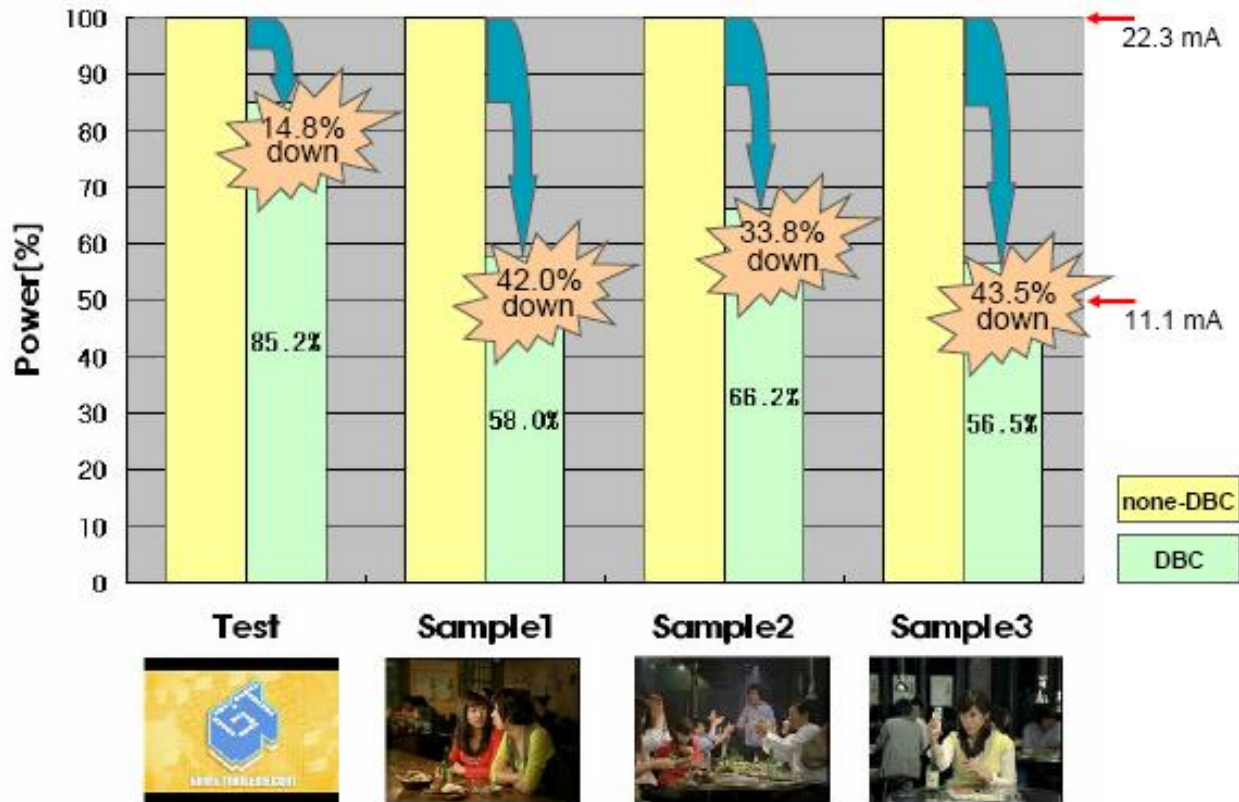


< Fig.6 Menu >



Power Saving: 6.25%

Power Savings with TFT240320-112 (Video Data)



TFT-G240320UTSW-112W-E Cr/CIE/NTSC/T Data

| | R | G | W | B | B/L |
|------|--------|--------|--------|--------|--------|
| X | 0.5616 | 0.3287 | 0.2864 | | 0.2834 |
| Y | 0.3324 | 0.5695 | 0.3121 | | 0.2791 |
| L | 48 | 161 | 244 | 0.3039 | 4271 |
| NTSC | 48.4% | Cr | 708 | T | 5.45% |

TFT-G240320UTSW-112W-E Reliability Data

TFT240320-112-TA00003-024FUT-1完
整测试报告-A



Microsoft Excel
工作表

TFT-G240320UTSW-112W-E Product Specification



Adobe Acrobat 7.0
Document
TFT240320-112 SPEC