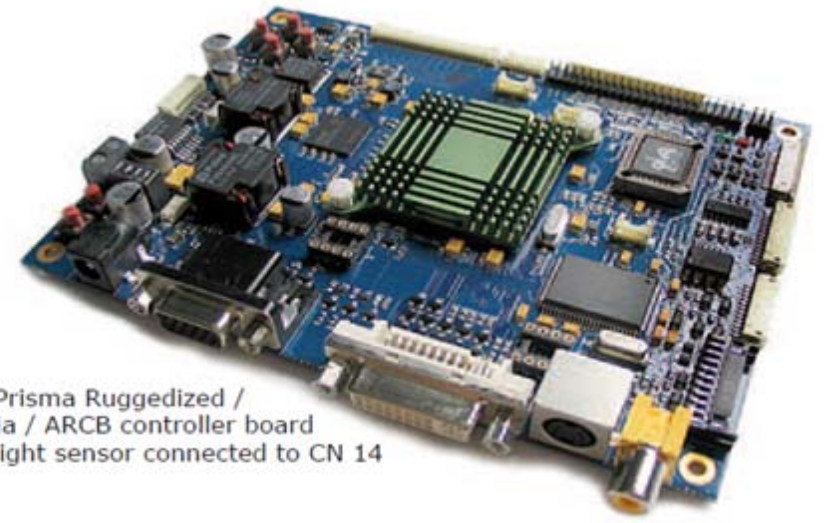


Ambient Light Sensor

Potential cost savings with Ambient Light Sensor for Prisma and ARCB Boards

Start saving on energy costs today by ordering your Prisma or ARCB controller board with our all new **Ambient Light Sensor!**



Prisma II / Prisma Ruggedized /
Prisma Media / ARCB controller board
+ Ambient light sensor connected to CN 14
+ Software

Over 50% of each year is spent in suboptimal ambient lighting conditions (darknes, overcast or rainy weather).

The **ALS** automatically adjusts the CCFD tubes to the necessary luminance for a perfect picture.

An intelligent algorithm guarantees a smooth and continuous regulation of the display´s backlight, so the adjustment of the brightness will not be noticed, (The relation of panels´ brightness and ambient lighting conditions remains the same)

Of course this algorithm is customizable for projects!



Your benefits

- Lower power consumption reduces environmentally sound
- Energy costs are reduced
- A consistently ideal luminance setting is much easier on the eyes. Constantly adjusting the brightness on a display may cause eyestrain and could lead to serious eye problems by longer time.
- Enhancement of CCFL-lifetime

Potential cost savings

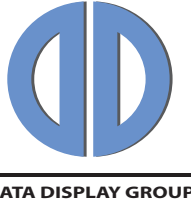
(Prisma ALS & intelligent software algorithm used in conjunction with Samsung DID panels)

Samsung DID panel	Average power consumption p.a. (kwh)			Average energy costs p.a. (0,15 EUR per kwh)		cost savings p.a. with Prisma ALS, assuming 50% non-sunshine conditions (clouds, darkness, etc.)	Price for adding ALS to Prisma boards	Approx. payback period
	with ALS (1)	without ALS (2)	highest possible (3)	with ALS	without ALS			
LTI320AA02	452	721	902	67,80 €	108,15 €	40,35 €	20,00 €	6 month
LTI400HA01 / -HA03	1000	1490	2234	150,00 €	223,50 €	73,50 €	40,00 €	6 month
LTI460HA01 / -HA03 (black bezel)	1310	2100	2596	196,50 €	315,00 €	118,50 €	60,00 €	6 month
LTI460AA03-001 (bb, 1500cd)	1730	2660	3857	259,50 €	399,00 €	139,50 €	75,00 €	6 month
LTI520HB01-001	1550	2640	3315	232,50 €	396,00 €	163,50 €	85,00 €	6 month
LTI700HD01-001	4610	5860	9631	691,20 €	879,00 €	187,50 €	95,00 €	6 month
LTI700HD02 (2000cd)	10248	12947	15155	1.537,20 €	1.942,05 €	404,85 €	200,00 €	6 month
LTI820HT-L01	5210	7410	9644	781,50 €	1.111,50 €	330,00 €	170,00 €	6 month

- 1) avg. consumption p.a.
 2) typ. values measured in lab
 3) according to max. values of Samsung spec.



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