

OptiCAL User's Guide v4.02

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Reading EEPROM

The byte at any OptiCAL EEPROM address can be read in one of two ways:

Add 128 to the address (as shown in the manual)

Send 2 bytes: the first being 'R' (52₁₆) and the second being the ASCII equivalent of the binary address

For example: to read address number 48, send two bytes: 'R' followed by '0' (ASCII 48) or send only one byte 'o' (ASCII 176 = 128+48).

NOTE: the addresses in the EEPROM table are in decimal format not Hex.

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Reading ADC Values

The command should be 'L' or 4C₁₆ and not 'R' or 52₁₆ as stated.

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Luminance Equation

The luminance equation is incorrect and should read:

$$\text{Luminance} = ((\text{ADCadjust}/524288) * \text{Vref} * 1\text{E-}6) / (\text{Rfeed} * \text{Kcal} * 1\text{E-}15)$$