

MM248

On chip sensor
Short range

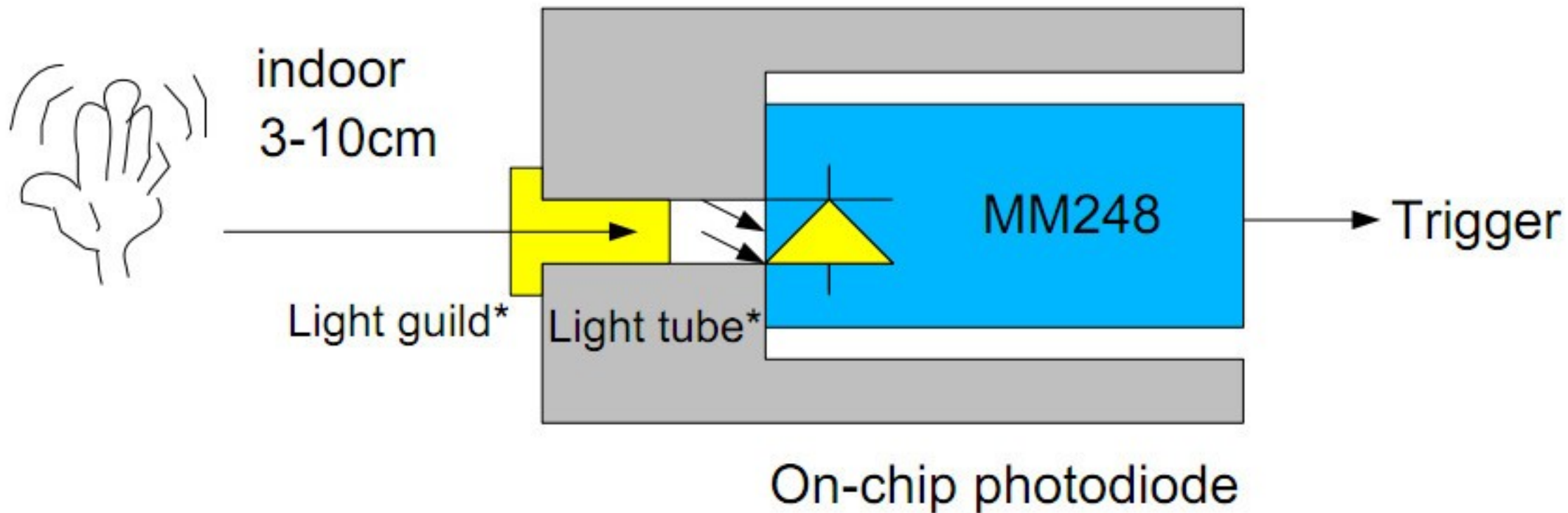
2.4V - 5.1V

Trigger signal

1R2C

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Light Sense (on chip) Trigger Short Range



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Light Sense (on chip) Trigger Short Range

Operation: there is an on-chip photo sensor to detect the change of light and generate a trigger signal under room light in the range of 3cm - 10cm

Features: Detect 25-50% change of light
Room light 300 – 700 LUX
After power up it becomes active in 2sec
It sleeps when the environment is too dark in order to save power,
the dark level can be tuned

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BOM: One resistor and two capacitors
 Two or three batteries LR44 (3V or 4.5V)
 Clear epoxy to encapsulate the IC die

Easy implementation:

Light guild : a transparent cap over the light sensor
to control the light intensity

Light tube : a black tube after the product case
to control the view angle