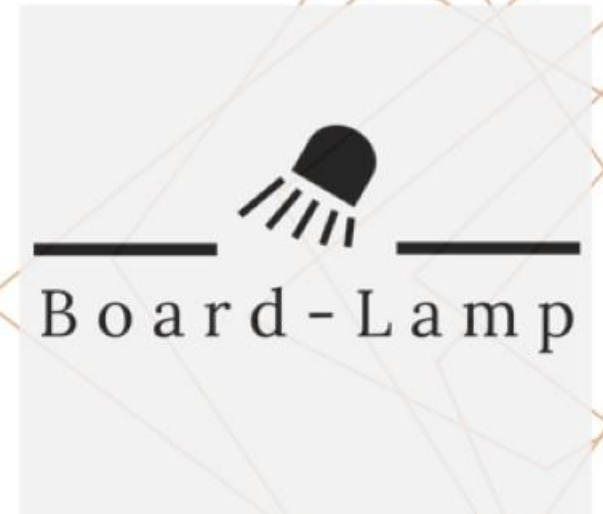
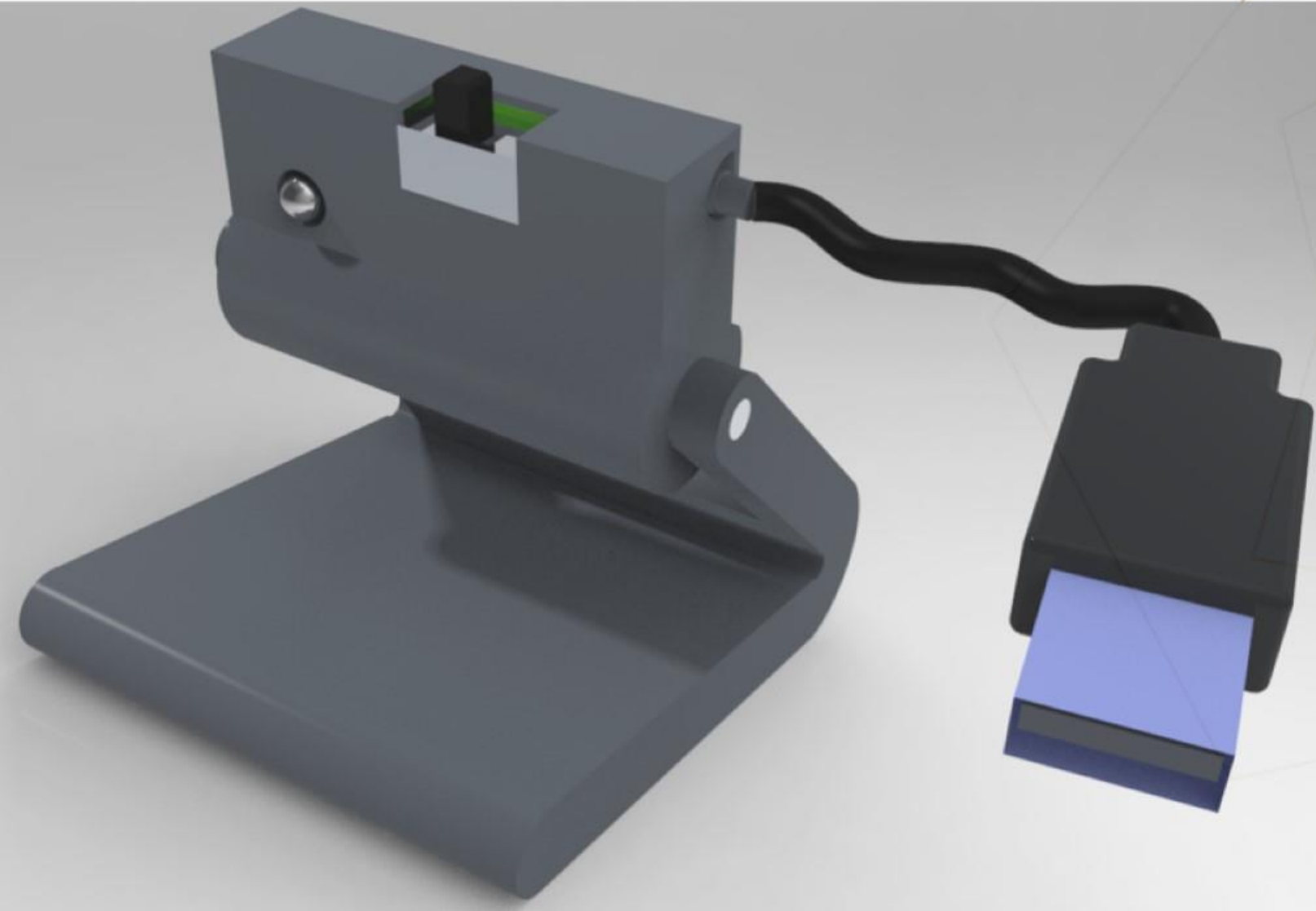




UNIVERSITY OF
LIVERPOOL

BOARD-LAMP

A Portable USB LED Light



by Aadeesh Kurde

KEY FEATURES

COMPACT

Small with sufficient light output, Portable without any tangling, Can be folded in compact shape for carrying.

USB TYPE A

Comes with USB type A, Compatible with most electronic devices via port, Can be used with PowerBank.

SNUGGLE FIT

Easily rests on laptop lid or PC monitor, Can fit with on monitors of different thickness, Thick base helps to stay light at desired angle.

FEW MOVING PARTS

Only one hinge, Less maintenance, Easily adjustable on monitor, Simple to mount, remove and pack, Durable.



LAMP ON DESK

Stays stable on table and can be used for reading/writing in dark.

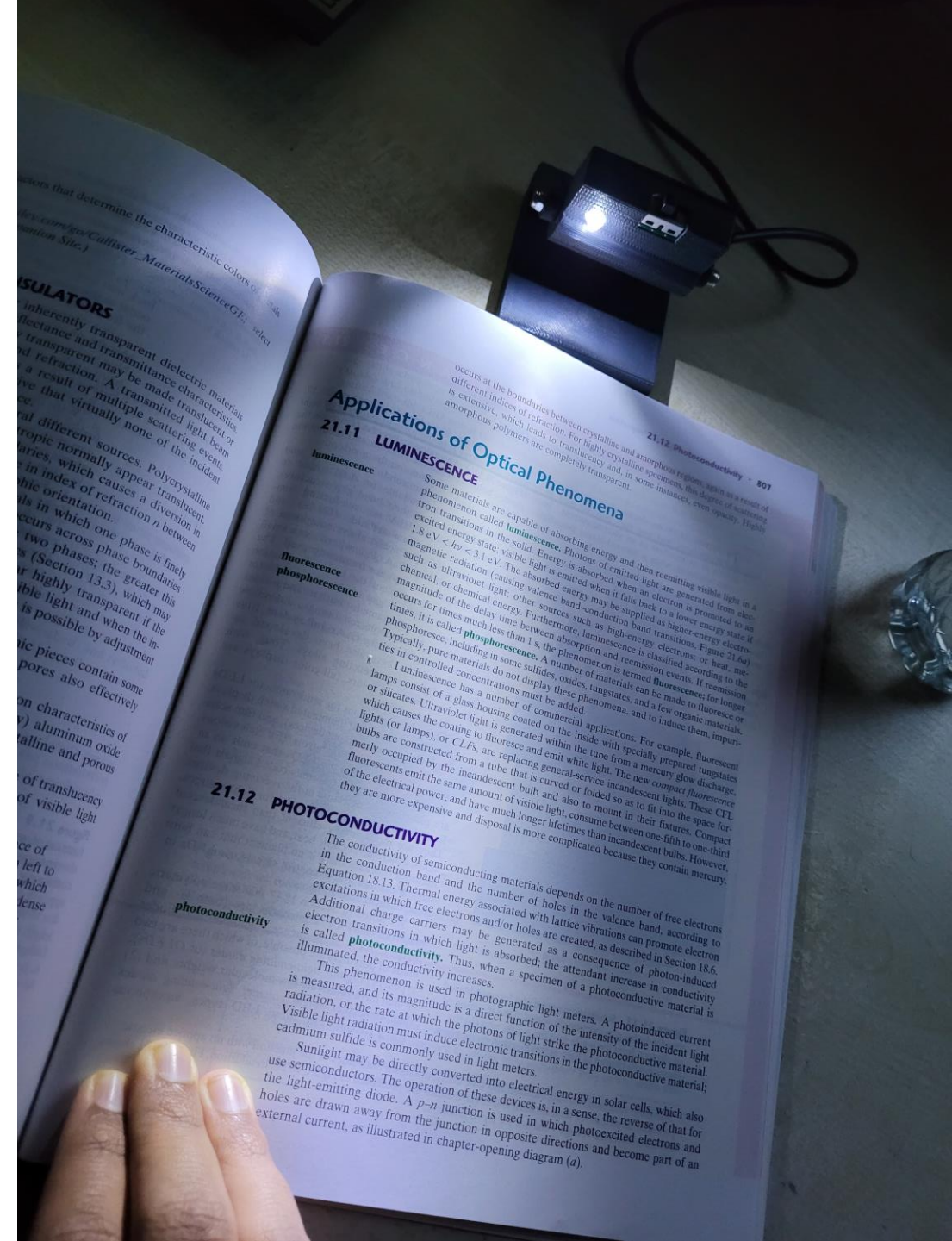
LIGHT FOR KEYBOARD

Firmly mounts on monitor for clear visibility of keyboard.

AID FOR VIDEOCALLS

Provides additional illuminance on face for better clarity.

USER INTERACTION





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USER
INTERACTION



PCB

SWITCH

BACK
COVER

LED

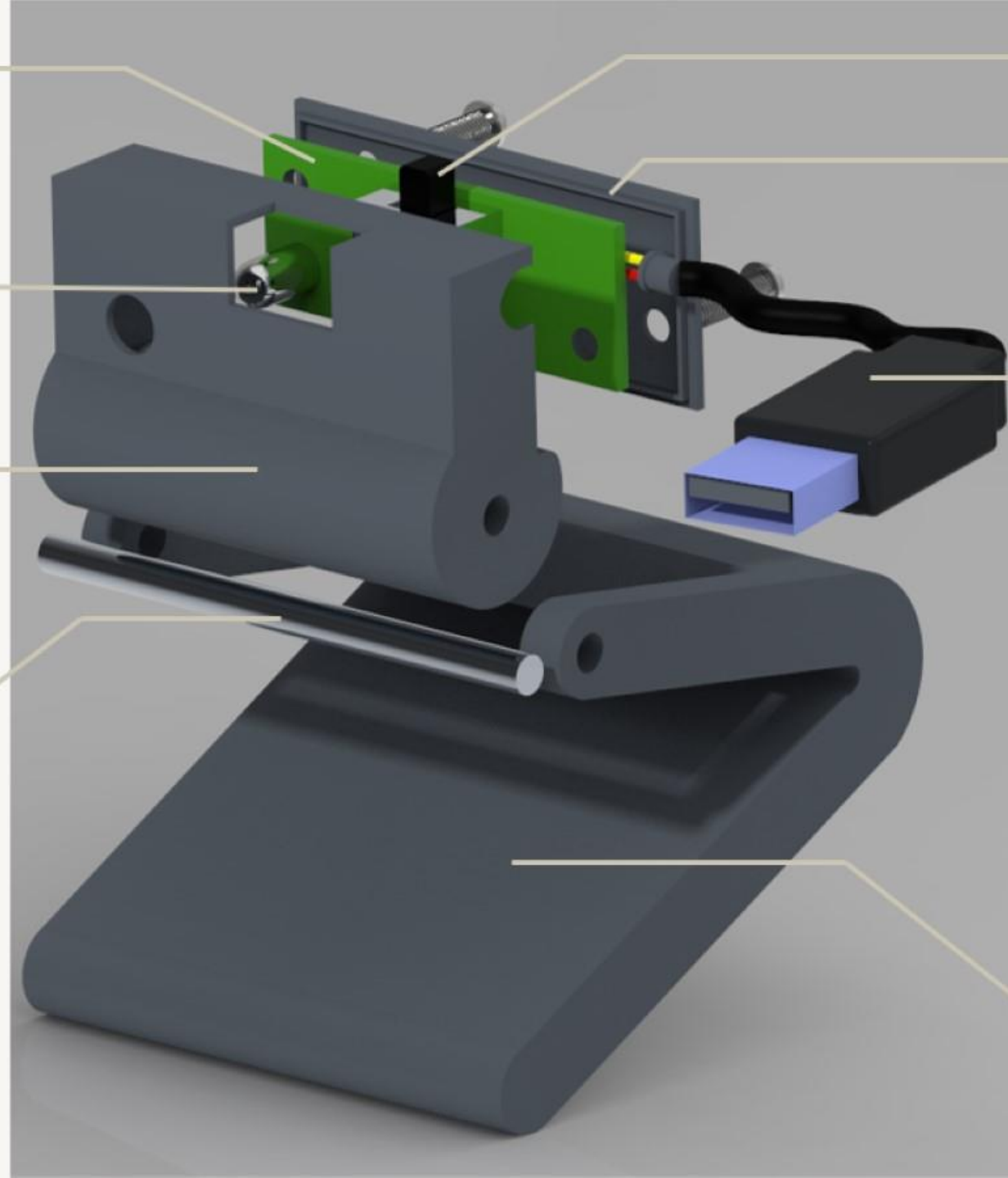
CASING

USB

PIN

SUPPORT

EXPLODED
VIEW



MATERIALS AND MANUFACTURING

Casing, Back Cover and Support

Material to be used in all of the above parts is ABS and these parts should be manufactured by injection moulding process for excellent finish and strength.
(here ABS material and FDM process is used for manufacturing)

Pin

Material to be used for pin is aluminium for lightweightness or stainless steel and should be manufactured by Drawing.
(here Stainless-Steel thread rod is used as pin)

By Aadeesh Kurde

