

# 4in1 Smartphone Flashlight Kit

## Product Introduction





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## What is TRANSBEAM?

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### *"4 in 1 Smartphone Flashlight Kit"*

*Realizing 4 different functions*

*With combinations of 5 contents*

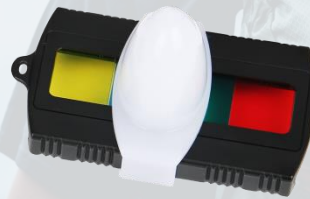
***Smartphone Accessory, Outdoor, Safety, Gift/Promotion, DIY, Toy Market***



Base Clamp



Zoom Lens



Color Filter  
(+Mood Lamp  
Cover)



Finger  
Holder



Projection  
Film

## Function1 : Flashlight Booster (Maximize brightness of smartphone LED flashlight)

## Functions

### Base Clamp

#### - Spec :

**Illuminance** : 4~13 Lux, 4 times brighter than normal smartphone LED flashlight  
(In the distance of 3M)

**Reaching Distance** : 30 M ~ 70M

#### - Use :

Going back home at night  
Fixing a car at night



*\* Measurements vary depending on smartphone model*

## Function1 : Flashlight Booster (Maximize brightness of smartphone LED flashlight) Base Clamp + Zoom Lens

## Functions

### - Spec :

**Illuminance** : 100~700 Lux, 80~200 times brighter than normal smartphone flashlight  
(In the distance of 3M)

**Reaching Distance** : 100 M ~ 200M

### - Use :

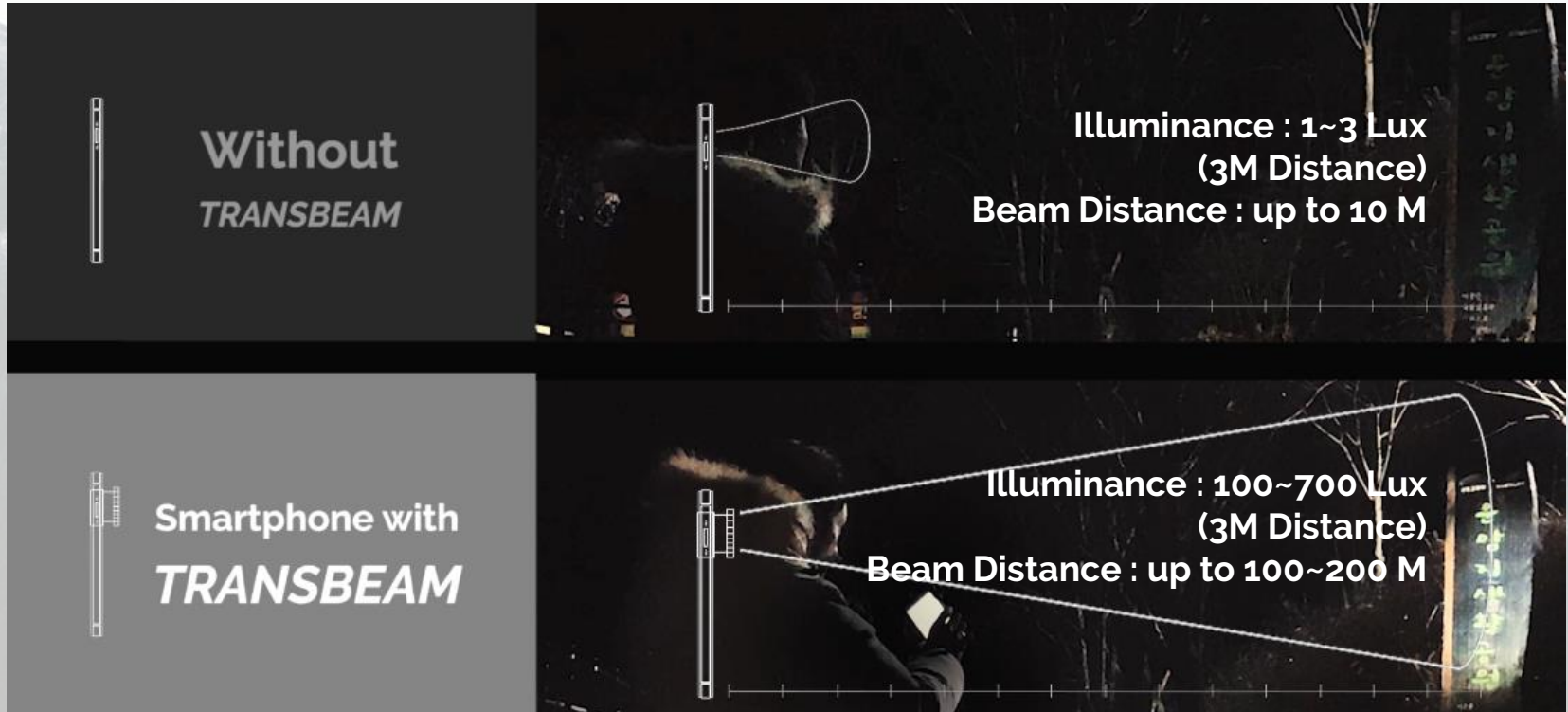
Night hiking  
Camping  
Fishing  
Traveling

*\* Measurements vary depending on smartphone model*

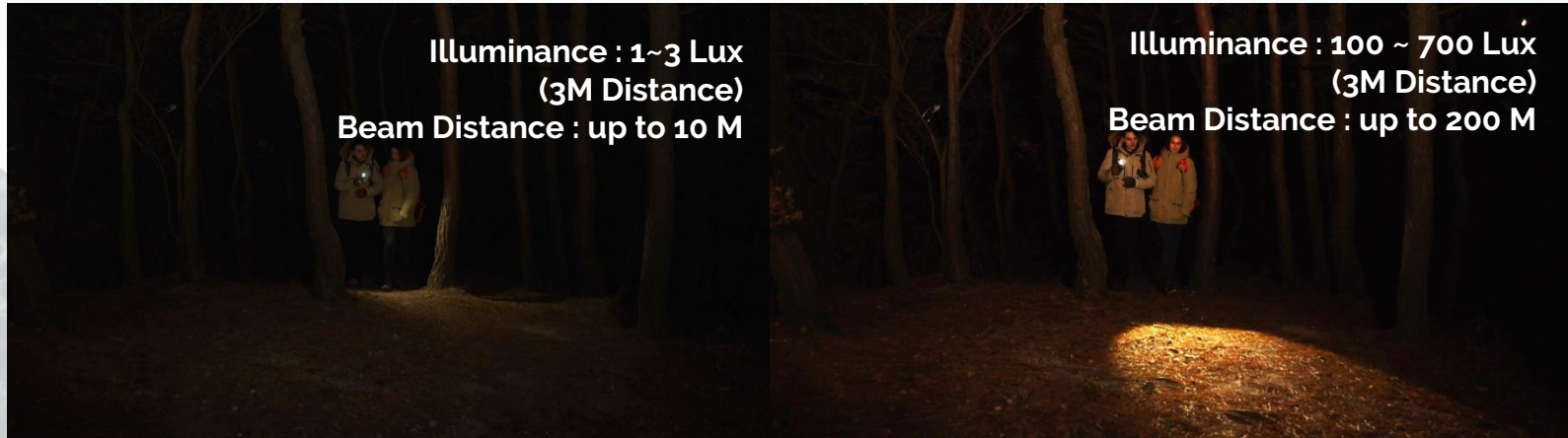


## Comparison

Without TRANSBEAM VS With TRANSBEAM



**80~200 times brighter**  
**with beam distance of up to 200M**

**BEFORE(Without Transbeam)****AFTER(With Transbeam)**

Illuminance : 100 ~ 700 Lux  
(3M Distance)  
Beam Distance : up to 200 M

*Up to 200 times brighter than using smartphone only*

**ZOOM IN****ZOOM OUT**

*Measurements vary depending on smartphone model*

## Function2 : Color Changer (Switch color to red, green, blue, amber) Base Clamp + Color Filter (+ Mood Lamp Cover)

### - Feature :

4 color lights applied to different circumstances

**Red** : Safety. Emergency signals

**Green** : Outdoor, Animals would not recognize well

**Blue** : Outdoor, Fish would not recognize well

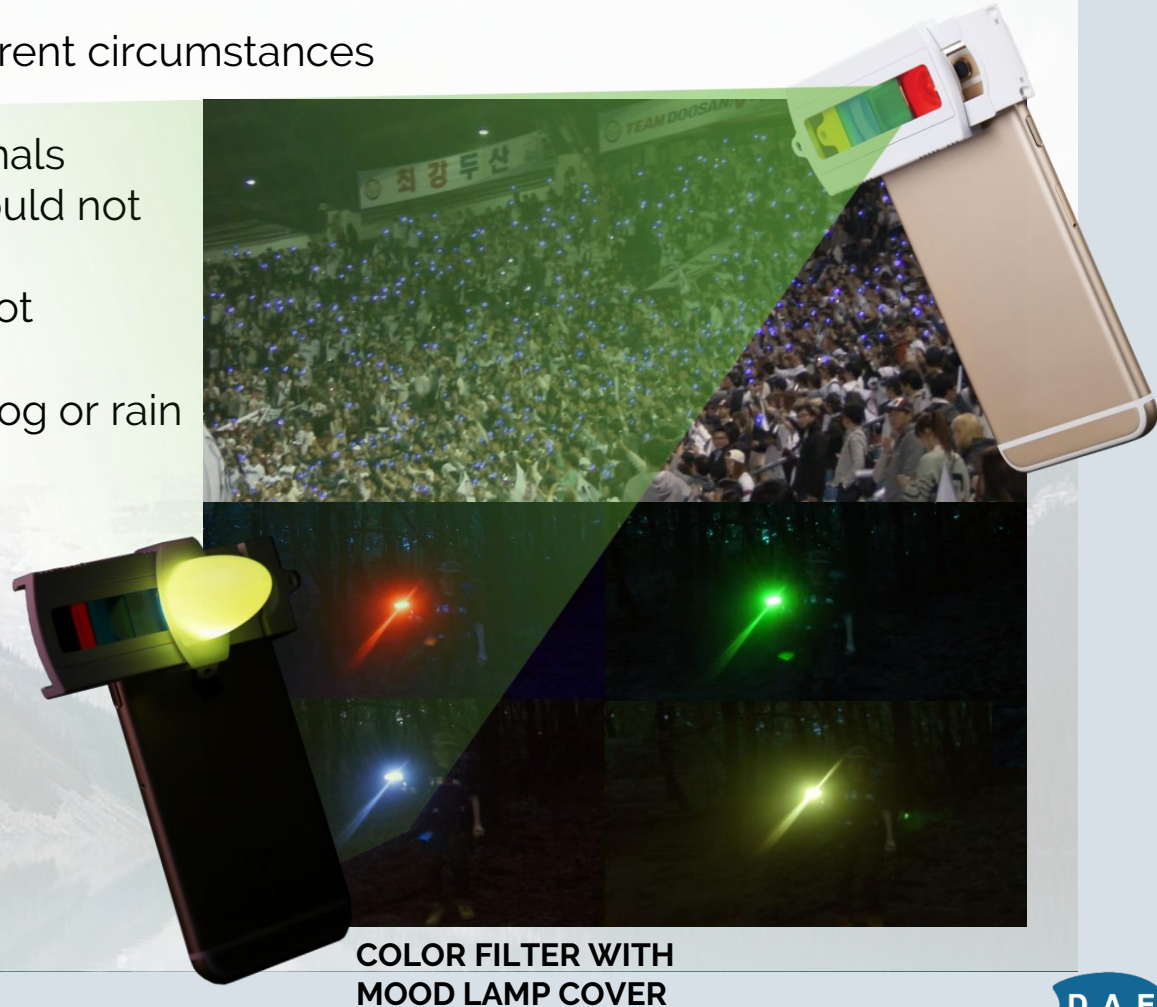
**Amber** : Safety. Clear in the fog or rain

### - Use :

Creating an atmosphere  
Cheering (Sport, concert)  
Protesting  
Party

*\* Depending on the quantity ordered,  
color of filter can be changed*

COLOR FILTER



COLOR FILTER WITH  
MOOD LAMP COVER



## Function3 : Analogue Projector (Projecting figures to wall)

Base Clamp + Zoom Lens + Projection Film

### - Use :

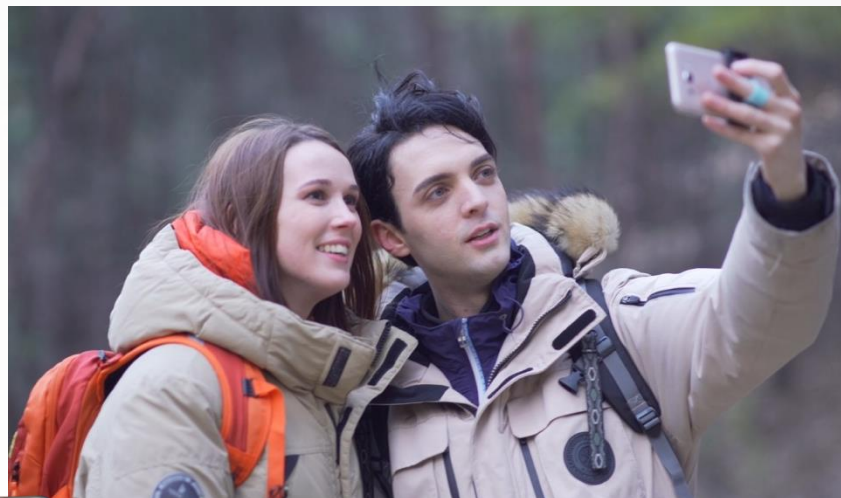
Sending messages  
Special events(Birth day, proposal,  
party, story telling etc.,)  
Education(Children's story)



\* We can provide customized films,  
Users can also make DIY films using OHP films.

## Function4 : Finger Holder Base Clamp + Finger Holder

Slide to attach 360 degree Rotatable finger holder to the base clamp, You can place the smartphone anywhere you want within the palm



# Intellectual Property List

	Patent Application Name	Application Date	Nation/ Patent Type	Application/ Registration No.
1	Mobile phone flash light concentrator	2016.11.15	South Korea, Invention Patent	10-1803835 (Registered in Nov 2017)
2	Mobile phone flash light concentrator	2016.11.15	South Korea, Design Registration	30-0933920 (Registered in Nov 2017)
3	Mobile phone flash light concentrator and color changer	2017.5.31	South Korea, Invention Patent	10-2017-0067909
4	Mobile phone flash light concentrator and color changer	2017.6.15	PCT, Patent	P17H0071
5,6, 7,8	Mobile phone flash light concentrator and color changer	2017.7.25	South Korea, Design Registration	30-2017-0034313, 30-2017-0034314, 30-2017-0034315, 30-2017-0034316
9	Mobile phone flash light concentrator and color changer	2017.11.01	China, Invention Patent	Application No. TBD

## Additional Information

### PRODUCT COMPONENTS



- A full set of TRANSBEAM consists of BASE CLAMP, ZOOM LENS, COLOR FILTER, FINGER HOLDER, 2 STRINGS, HARD POUCH, USER MANUAL.
- All the contents(photo on the left) can be kept in the hard pouch when they are not used.
- Each module has a tiny hole where you can connect it with a string(String1), Modules with the string can be attached to the neck strap(String2).
- Buyers can select the necessary modules and configure it separately for segmented marketing. It is possible to set the price according to the local situation. (For example, if you only need brightening function for night hiking, you can purchase Base Clamp and Zoom Lens)

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## Additional Information

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### COMPATIBILITY



- Compatible with any size of smartphone model with width range of 65~93mm. (Some models have limited use)
- Separate clamp pads are needed if smartphone width is smaller than 65 mm. (Customization is available based on order quantity.)

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## Additional Information

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### PRODUCT COLOR



- Main product color is black and white
- Color can be changed depending on the quantity ordered

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## Company Overview

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**Company Name :** Dong-A Eng Co.,Ltd  
**Corporate Registration Number :** 134-81-89044  
**CEO :** Byongjo Kang  
**Date Of Establishment :** 5<sup>th</sup> September 2002  
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- DONG-A ENG Co.,Ltd. is headquartered in South Korea, a factory in the Czech Republic and a repair center in Thailand.
- We have innovative ideas and own product development technologies.
- By strict quality control and production management system, we produce high quality products that are differentiated from low-priced Chinese products.
- We plan to launch various innovative products with constant research and development.