



LA SIGNALISATION  
INDUSTRIELLE SARL

# GOBO PROJECTOR LASER LINE



**Publicity  
&  
Signage**

# Index table

## **GOBO** PROJECTOR

- p 1: Intro
- p 2: Applications
- p 3: Basics
- p 4-13: Models
- p 14-15: Projection size
- p 16: Brightness
- p 17: Which projector?
- p 18: Gobo's

## **LASER** LINE

- p 19: Laser line
- p 20: Applications

# GOBO PROJECTOR

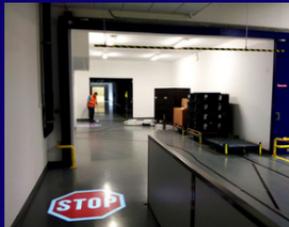


Gobo projector is an easily installed, plug and play, industrial light projection system. Signage (such as safety signs, walkways, crossings, messages, ...) and publicity (logo's, promotions, messages, ...) are brightly projected on the surface you wish.

The image is projected through a glass and metal "slide" called a GOBO.

# Applications

## SIGNAGE



## GOBO projector



## PUBLICITY



# Basics

- the first 2 numbers of the model name tell the power size of the projector, the last 2 numbers tell if the projector is waterproof or not: ex. GG-ST1520, GG-ST1565

15Watt  
IP 65  
waterproof

15Watt  
IP 20  
not waterproof

- the first 2 letters of the model name after the '-' are an indication of the type of projector model: ex. GG-ST1520

ST: means: projection is "static"

RT: means: projection can "rotate"

GC: means: one device can equip 3~7 different gobo's and change between them

- the working temperature of all projectors is between 40C°- 70C°

- in option you can have a night and day or movement sensor installed on your projector, such that the projector only works when it is dark or when there is movement

- the projector models are standard equipped with a standard plug, please let us know when another plug is necessary



# Models

## 15W STATIC / ROTATABLE

### -SPECIFICATIONS

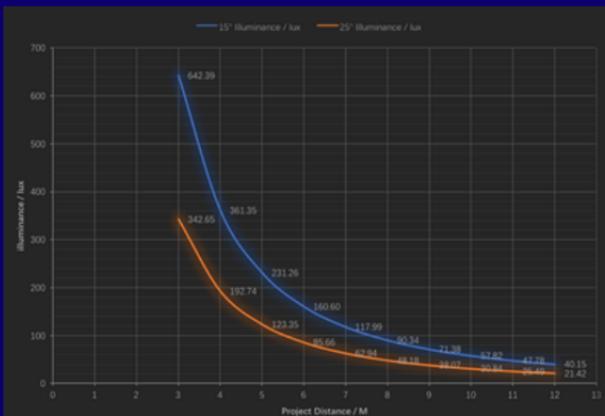


MODEL NO.	GG - ST1520 / 1565	GG - RT1520 / 1565
COLOR	BLACK	
LED CHIP	CREE	
INPUT VOLTAGE	AC 85-265V	AC 110 / 220V
GOBO SIZE	Size : 37mm - Viewable 23mm	
BEAM ANGLE	(ST) 15°/25°	(RT) 15°
IP CLASS	IP 20 / IP 65	
NET WEIGHT	880 / 1170 gram	

### -DETAILS



### -LUX STRENGTH



# Models

## 30W STATIC / ROTATABLE

### -SPECIFICATIONS

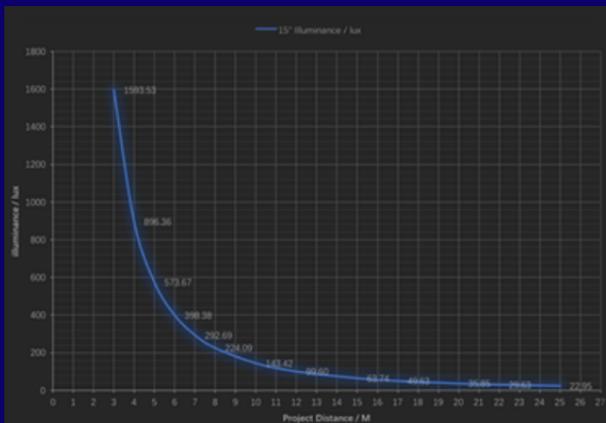


MODEL NO.	GG - ST3020 / 3065	GG - RT3020 / 3065
COLOR	BLACK	
LED CHIP	OSRAM	
INPUT VOLTAGE	AC 85-265V	AC 110 / 220V
GOBO SIZE	Size : 37mm - Viewable 23mm	
BEAM ANGLE	15°	
IP CLASS	IP 20 / IP 65	
NET WEIGHT	1200 / 1350 gram	

### -DETAILS



### -LUX STRENGTH



# Models

## 40-80W ROTATABLE

### -SPECIFICATIONS



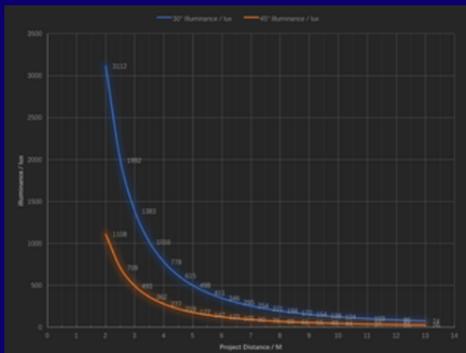
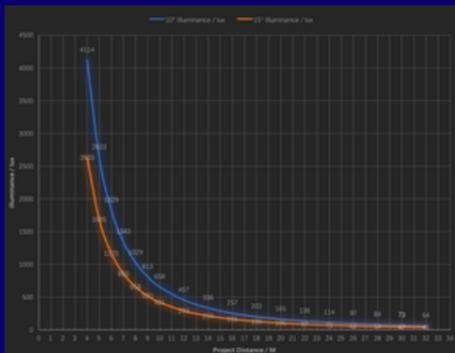
MODEL NO.	GG - RT4065	GG - RT6065	GG - RT8065
LED CHIP	40W OSRAM	60W OSRAM	80W OSRAM
NET WEIGHT	2380 gram	2685 gram	2715 gram
COLOR	BLACK		
INPUT VOLTAGE	AC 85-265V		
GOBO SIZE	Size : 37mm - Viewable 23mm		
BEAM ANGLE	10 / 15 / 30 / 50°		
IP CLASS	IP 65		

### -DETAILS



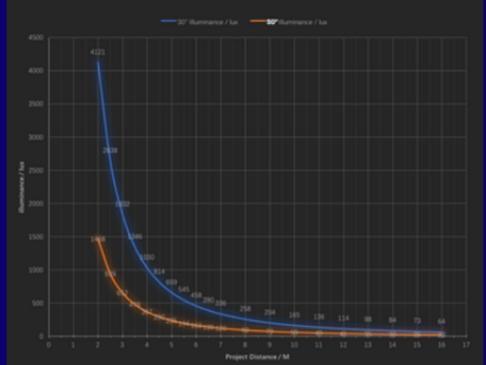
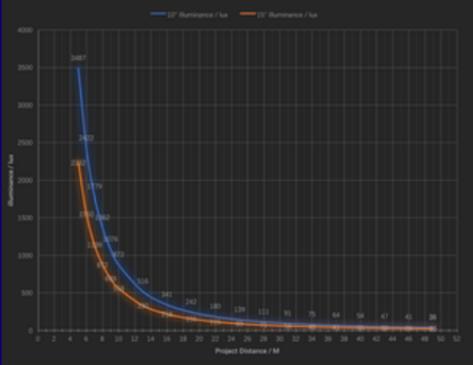
### -LUX STRENGTH

#### 40W ROTATABLE

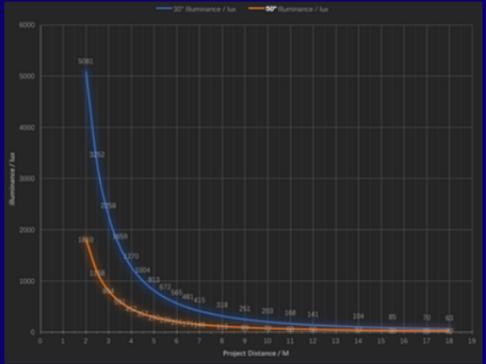
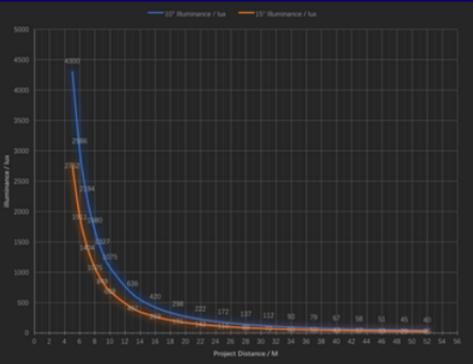


# Models

## 60W ROTATABLE



## 80W ROTATABLE



# Models

## 40-80W AUTO-SWITCH

### -SPECIFICATIONS



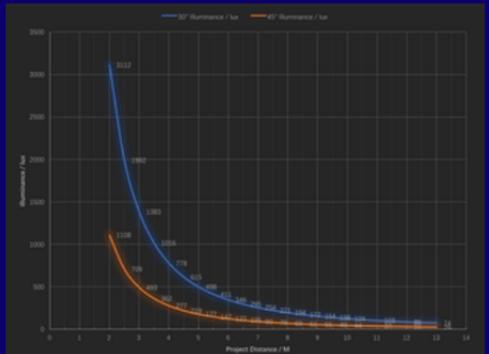
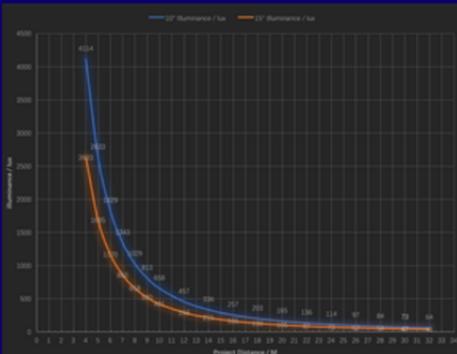
MODEL NO.	GG - GC4065	GG - GC6065	GG - GC8065
LED CHIP	40W OSRAM	60W OSRAM	80W OSRAM
NET WEIGHT	2650 gram	2750 gram	2850 gram
COLOR	BLACK		
INPUT VOLTAGE	AC 85-265V		
GOBO SIZE	Size : 30mm - Viewable 20mm		
BEAM ANGLE	13 / 30 / 50°		
IP CLASS	IP 65		

### -DETAILS



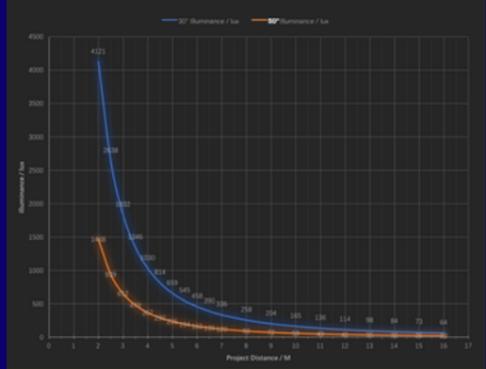
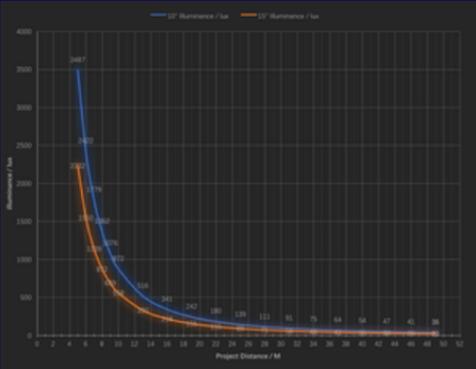
### -LUX STRENGTH

## 40W AUTO-SWITCH

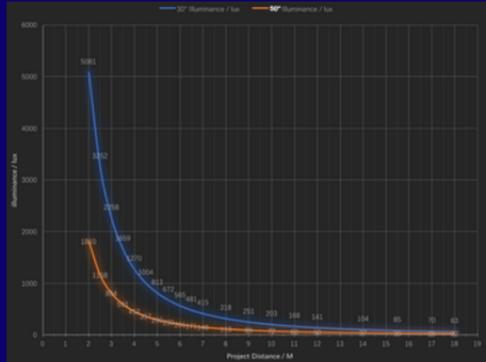
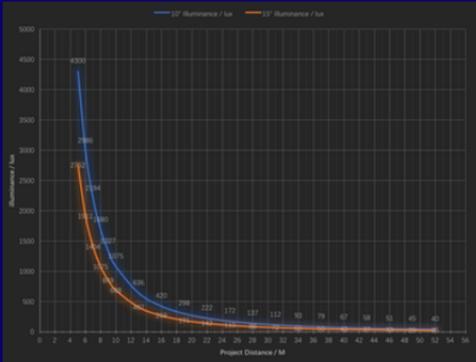


# Models

## 60W AUTO-SWITCH



## 80W AUTO-SWITCH



MAX. 3 GOBO'S SWITCHABLE  
AUTOMATICALLY



# Models

## 100-200W ROTATABLE

### -SPECIFICATIONS



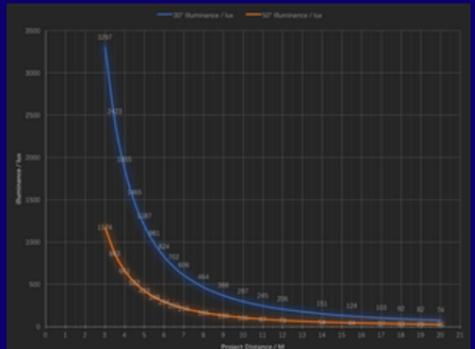
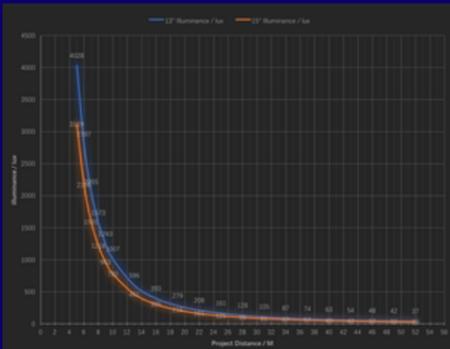
MODEL NO.	GG - RT10065	GG - RT15065	GG - RT20065
LED CHIP	100W OSRAM	150W OSRAM	200W OSRAM
NET WEIGHT	5200 gram	5325 gram	5450 gram
COLOR	BLACK		
INPUT VOLTAGE	AC 85-265V		
GOBO SIZE	Size : 45mm - Viewable 30mm		
BEAM ANGLE	15 / 30 / 50°		
IP CLASS	IP 65		

### -DETAILS



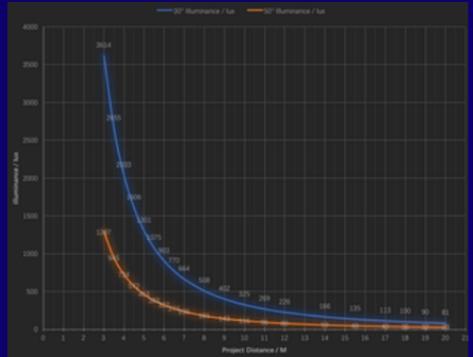
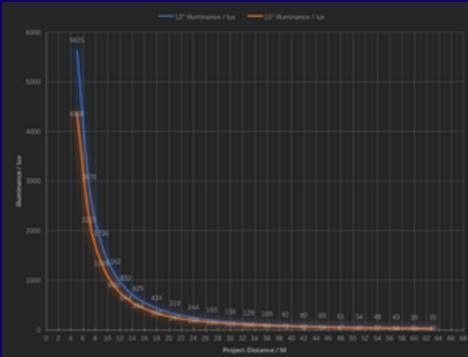
### -LUX STRENGTH

#### 100W ROTATABLE

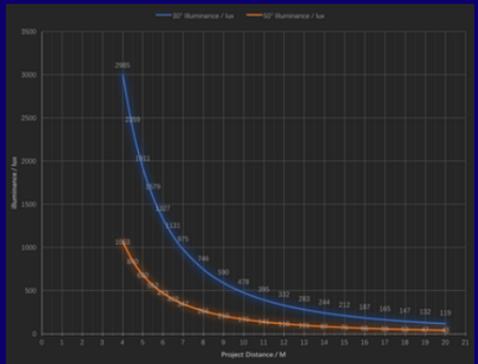
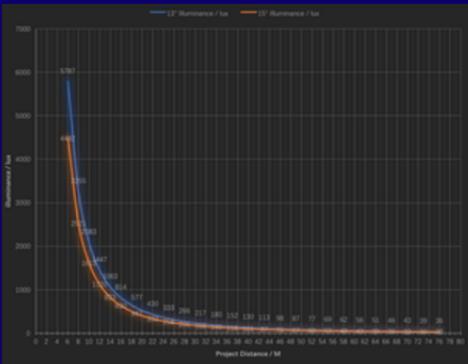


# Models

## 150W ROTATABLE



## 200W ROTATABLE



# Models

## 100-200W AUTO-SWITCH

### -SPECIFICATIONS



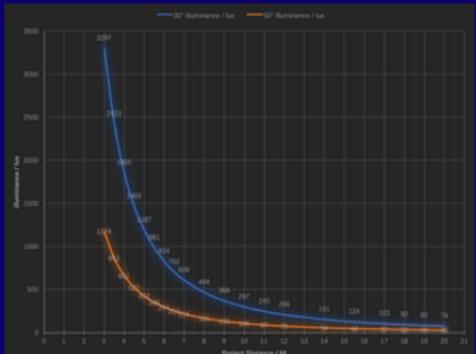
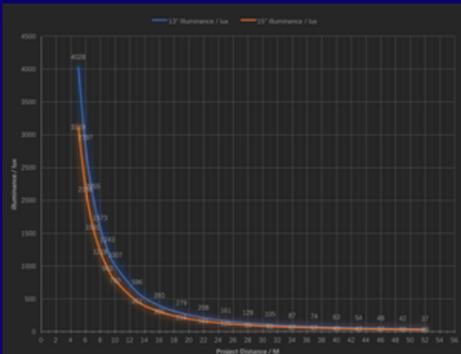
MODEL NO.	GG - GC10065	GG - GC15065	GG - GC20065
LED CHIP	100W OSRAM	150W OSRAM	200W OSRAM
NET WEIGHT	5425 gram	5525 gram	5640 gram
COLOR	BLACK		
INPUT VOLTAGE	AC 85-265V		
GOBO SIZE	Size : 30mm -Viewable 20mm - Max 7 gobo's		
BEAM ANGLE	13 / 30 / 50°		
IP CLASS	IP 65		

### -DETAILS



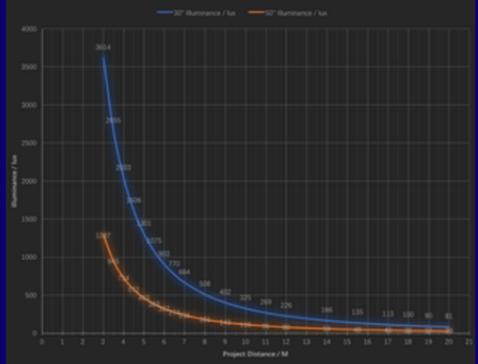
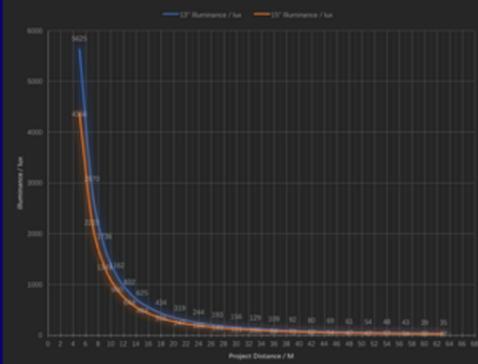
### -LUX STRENGTH

## 100W AUTO-SWITCH

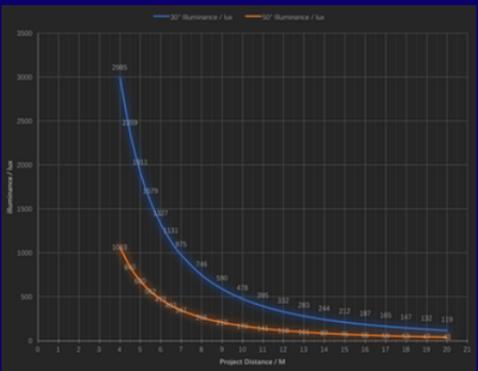
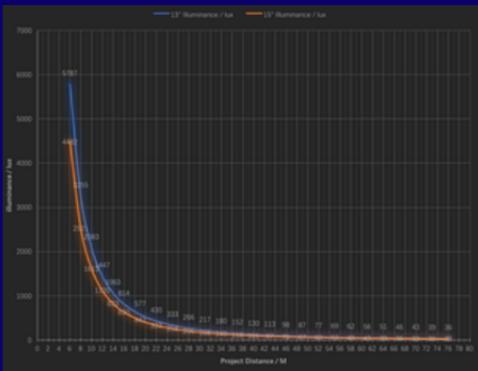


# Models

## 150W AUTO-SWITCH



## 200W AUTO-SWITCH



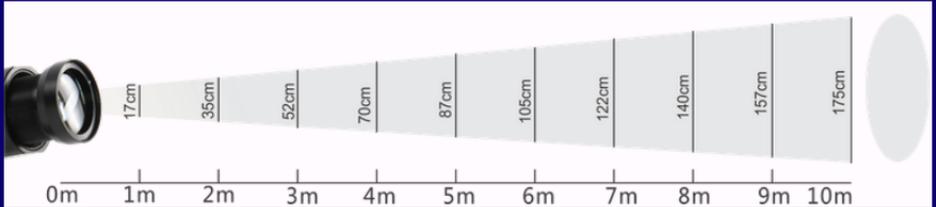
3/4/5/6/7 GOBO'S SWITCHABLE  
AUTOMATICALLY

MAX = 7



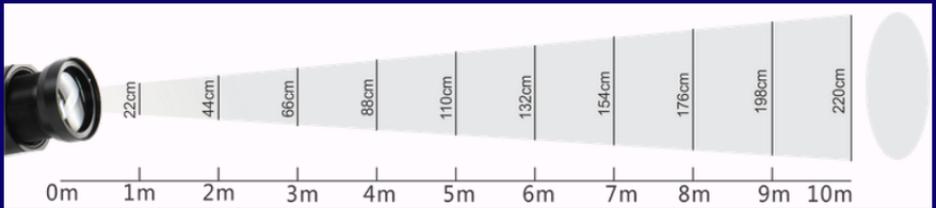
# Projection size

## BEAM ANGLE 10°



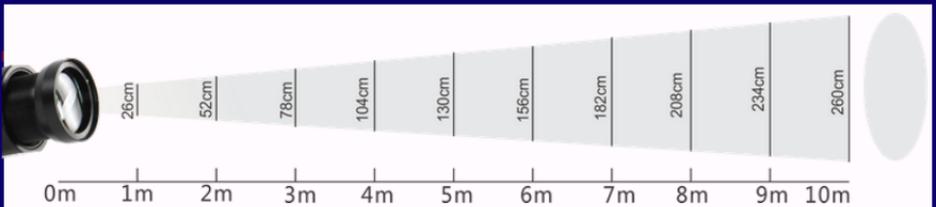
THE DISTANCE : PROJECTION SIZE = 1 : 0.175

## BEAM ANGLE 13°



THE DISTANCE : PROJECTION SIZE = 1 : 0.22

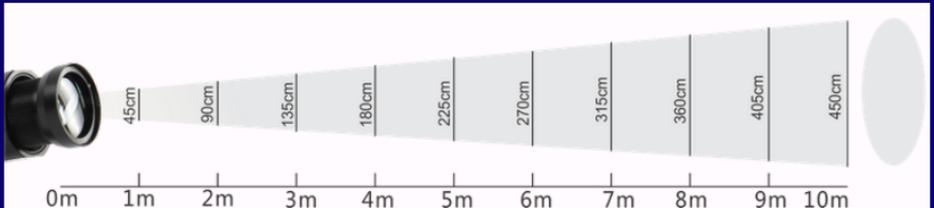
## BEAM ANGLE 15°



THE DISTANCE : PROJECTION SIZE = 1 : 0.26

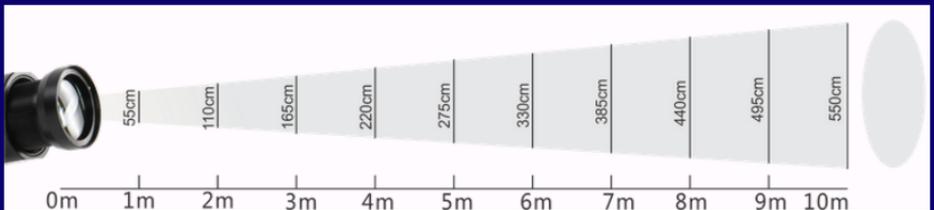
# Projection size

## BEAM ANGLE 25°



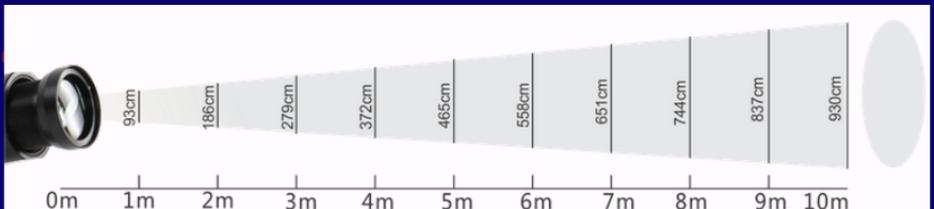
THE DISTANCE : PROJECTION SIZE = 1 : 0.45

## BEAM ANGLE 30°



THE DISTANCE : PROJECTION SIZE = 1 : 0.55

## BEAM ANGLE 50°



THE DISTANCE : PROJECTION SIZE = 1 : 0.93

# Brightness (lux)

TABLE 1

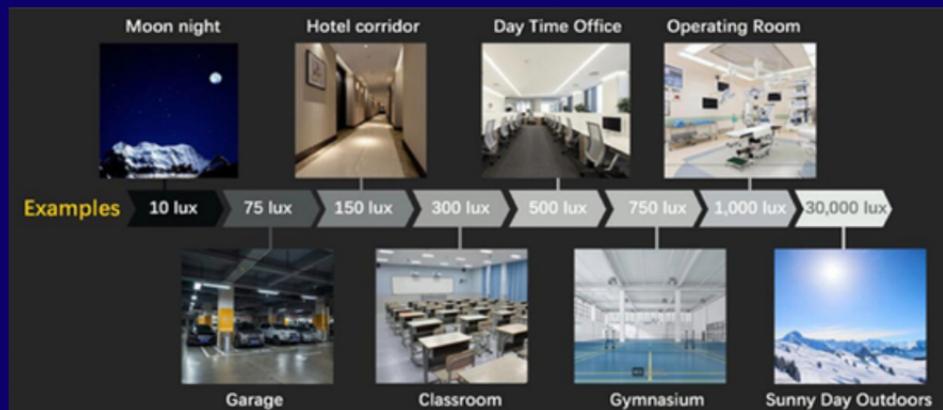


TABLE 2

Projection Lux ÷ Environment Lux	=300%	=100%	=30%	=10%	=3%
Testing effective Photos by WARTON					
Comment	Shining	Bright	Visible	Weak	Invisible
Suggestion	Super YES!	YES!	It depends	NO!	Never!

**Table 1** gives you an indication of the number of lux in a certain environment. To find the precise number of lux in your environment, you can easily download a free LUX meter app on your mobile phone.

**Table 2** gives you an indication how many times you have to multiple the lux in your environment to become a certain brightness of your projection in that environment.

# Which projector?

## HOW TO CHOOSE THE OPTIMAL PROJECTOR?

**Step 1:** Determine the number of lux in your environment and the brightness of your projection you want to achieve in this environment. Look at page 16.

**Step 2:** Once you have the number of lux that your projector needs to emit, you have to choose the distance between the projector and the projection.

Once you have these two numbers, you have to look at the different charts on pages 4-13. Once you have found one or multiple functions (a certain projection power with a certain beam angle) that correspond to these numbers, you have to choose the projection size you want at the chosen distance (Step 2).

Pages 14-15 show you the different projection sizes. You can see that the beam angle determines the projection size at a certain distance.

**Step 3:** Choose the combination of projection power (W) and beam angle (°) that gives you the number of lux, the distance and the projection size you wish.

**Step 4:** Choose if you want a projector that projects a static image (ST), a rotating image (RT) or different images (GC).

Eventually you will become the projector model you need. For example the GG-GC4065 with beam angle 30°.

# Gobo's

When you have an image of 1-4 colors, than you can transfer your image in (CDR, AI and EPS) vector format.



When you have a full color image, than you can transfer your image in a (PSD, JPG) high definition bitmap file.



The gobo's are made with a laser device, that sculptures images on glass. One glass layer corresponds with one color. After sculpturing, all the layers need to be assembled accurately to form a gobo image.

1 COLOR



2 COLORS



3 COLORS



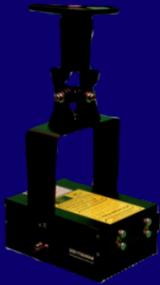
4 COLORS



FULL COLOR



# LASER LINE



Laser line is an easily installed, plug and play, industrial laser system.

It offers an alternative for surfaces and situations where paint or tapes are not possible or optimal.

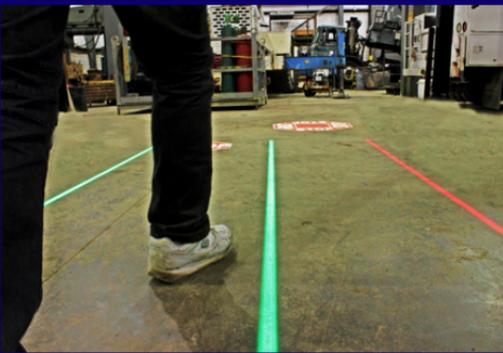
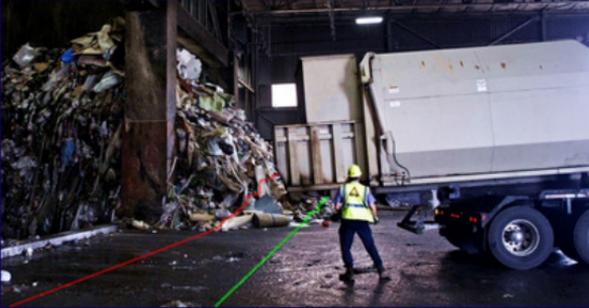
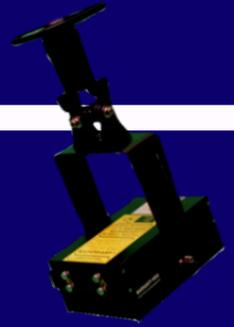
## Examples

- painted and taped walkways don't stick well on contaminated surfaces or surfaces in a cold environment
- waste processing companies, the laser line is always on top of the waste
- creation of safe zones on the ground underneath a moving overhead track crane
- .....

<b>Line colors</b>	Red / Green / Blue
<b>Covering angle</b>	90°
<b>Line projection length</b>	laser height : line length = 1 : 2 e.g. at 6m height, 12m line
<b>Net weight</b>	1.8 kg
<b>Electricity</b>	12 V (DC; 2000mA)

\* remark: the line projection length at a certain height can be reduced with an adjustable piece in front of the projection lens

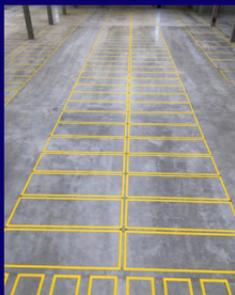
# Applications



## Signage



## Road markings





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