





#### **CREDITS**

Projects and Projection pictures Goboservice by Sunland Optics srl

Projectors concept and design Goboservice by Sunland Optics srl

Graphic concept and design PMopenlab srls (www.pmopenlab.com)





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**SERVICES** | From design to installation

# If you want a good quality image you need to know about the nature and properties of light

Goboservice is one of the world's largest customized gobo and gobo-projector manufacturers, headquartered in Italy with branches in the USA and France.

Founded in 2002, Goboservice have perfected their production techniques, and have reached the highest quality standards.





HIGH EFFICIENCY is definitely a feature that distinguishes all Goboservice projectors but it is also a fundamental element of the company mission.

Research and innovation are, therefore, primarily aimed at the development of low energy consumption and ultra-high performance projectors both in terms of brightness and image quality and definition.



04 20 20 45

BRANCHES WORLDWIDE

DISTRIBUTING COMPANIES WORLDWIDE

YEARS OF EXPERIENCE

TEAM MEMBERS



## HIGH EFFICIENCY AND BRIGHTNESS



Goboservice offers a complete range of gobo-projectors for indoor and outdoor use suitable for various applications, like projections of images or logos in museums, large-scale architectural projections, Christmas scenes and safety signs.

All models are entirely produced in Italy.











### SYMP



It is an ultra-compact LED gobo projector equipped with the latest 20 W LED, designed to enhance most indoor spaces and capable of creating intense emotions through images. Extremely easy to use, thanks to the unique gobo housing system (patent pending) that allows the gobo to be introduced, replaced and oriented without having to open the projector body, it combines versatility with high aesthetic impact and small size. Symp is the perfect solution for decorative or functional lighting in museums, sports arenas, shopping malls, as well as architectural details in hospitality and retail. Available in wall or binary versions, ready for DALI 2 and in two different optical configurations (30° and 24°). SYMP makes indoor gobo projection an exciting new lighting solution.

#### **SYMP**

#### **BODY**

Material	Aluminium + ABS
Protection Rating	Black Painting RAL 9005
Surface Finishing	IP20

#### **POWER SUPPLY**

Power Mode 220-240V 50/60Hz

#### **MAIN FEATURES**

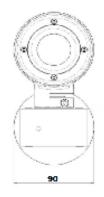
Light Source	High efficiency White COB LED		
Colour Temperature		5.000 °K	
Gobo Size		I.D. ø30mm	
Power		20 W	
Optical System	56 mm	70 mm	
Angular Apertur	30°	24°	
Optical Efficiency	30,4%	24,1%	
Total Lumen Output	903 lm	718 lm	
Luminous Efficacy	45lm/W	36 lm/W	

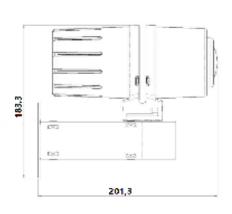
#### **CONNECTIONS**

Controllable serial power supply with DALI 2 protocol and compatible with direct insertion into the dali network

Model compatible rail version: EUROSTANDARD PLUS® RAIL 6-conductor (9000-1-B-ST)

WEIGHT 2 kg





#### **CASE STUDIES**







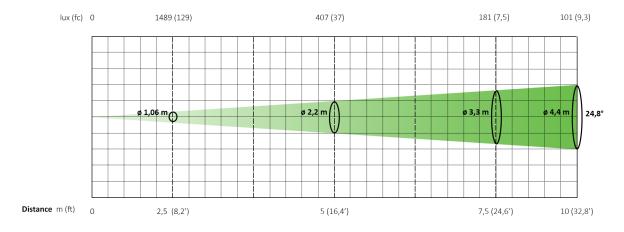




**SYMP** 

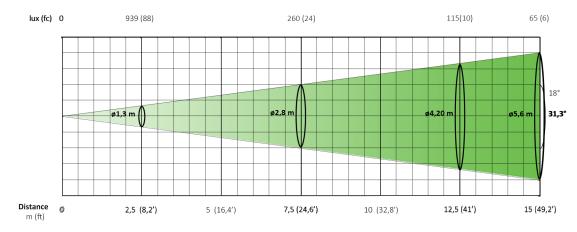
Projection Lens Focal **70 mm**- Angle aperture 24° (I.D. ø30mm)

Total lumen output: **718 lm**- Luminous efficacy: **36 lm/W**- Optical Efficiency: **24,1%** 

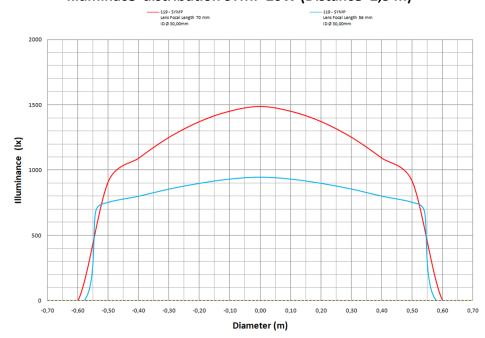


Projection Lens Focal **56 mm** - Angle aperture 30° (I.D. ø30mm)

Total lumen output: **903 lm**- Luminous efficacy: **45 lm/W**- Optical Efficiency: **30,4%** 



#### Illuminace distribution SYMP 20W (Distance=2,5 m)



## SIGNUM



Signum is a super-powerful compact LED projector designed specifically for projections in the most demanding conditions (for instance, permanent outdoor installations or harsh industrial environments) due to the absence of fans, the degree of protection of IP65 and LED life of 50.000 hours. Its functional and innovative design, makes it possible to project high quality images, logos, signs and photos.

The real surprise of this small 50W LED projector is its brightness: 2.163 lux at a distance of 5 meters (with 18° lens), making it the best energy efficiency projector on the market toda.



#### **SIGNUM**

#### **BODY**

Material	Alluminium
Protection Rating	IP65
IK Rating	IK09
Surface Finishin	Black Painting RAL 9005

#### **POWER SUPPLY**

Power mode 110-240V 50/60Hz

#### **MAIN FEATURES**

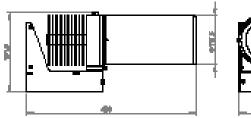
Light Source							С	ITILED COB
Colour Temperature								6.000 °K
Gobo Size						O.D.	ø37,5mm -	I.D. ø30mm
Power Mode	25W		50W			75W		Line
Luminous Flux Source	4.000		7.100 lm			9.600 lm		9.610 lm
Optical System	70 mm	56 mm	90 mm	140 mm	56 mm	90 mm	140 mm	Line Lens
Angular Aperture	25°	32°	18°	12°	32°	18°	12°	65°
Illuminance max at 5m	297	700	1825	4700	900	2325	6100	1520
Optical Efficiency	25%	56%	51%	49%	56%	51%	48%	36%
Total Lumen Output	1.000 lm	4.000 lm	3.600 lm	3.460 lm	5.400 lm	4.900 lm	4.650 lm	3.400 lm
Optical Efficiency	40 lm/W	80 lm/W	72 lm/W	69 lm/W	72 lm/W	66 lm/W	62 lm/W	45 lm/W

#### **OPTIONAL**

Controllable with the Casambi system via the Android and IOS application (ignition/shutdown - network creation - batch or individual control)

Enable WIRELESS proximity sensor (network creation up to 32 units - operation under WIFI network or in the Cloud)

#### WEIGHT 6 kg



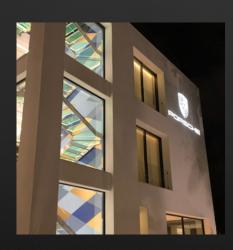


#### **CASE STUDIES**















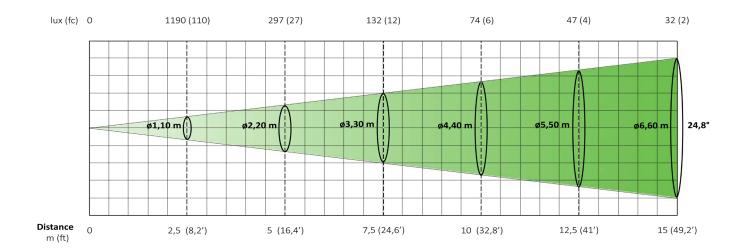




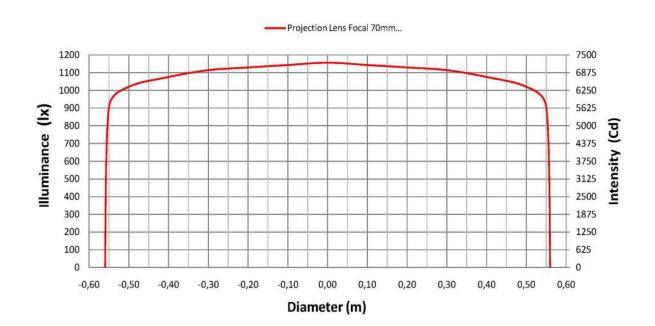
#### **SIGNUM 25W**

Projection Lens Focal **70 mm**- Angle aperture 25° (I.D. ø30mm)

Total lumen output: **1.000 lm**- Luminous efficacy: **40 lm/W**- Optical Efficiency: **25%** 



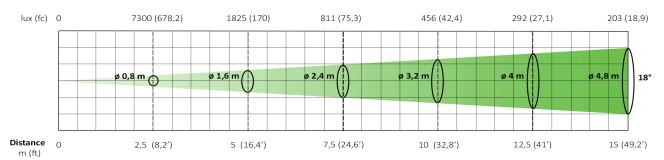
#### Illuminance distribution SIGNUM 25W (Distance = 2,5 m)



#### **SIGNUM 50W**

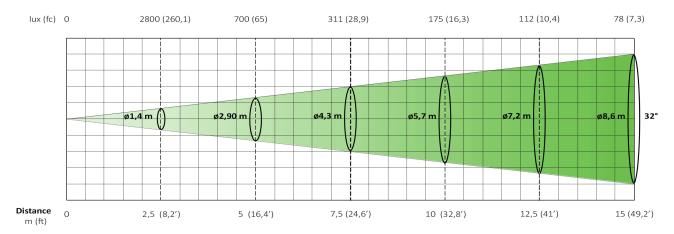
Projection Lens Focal **90 mm**- Angle aperture **18°** (I.D. ø30mm)

Total lumen output: **3.600 lm**- Luminous efficacy: **72 lm/W** - Optical Efficiency: **51%** 



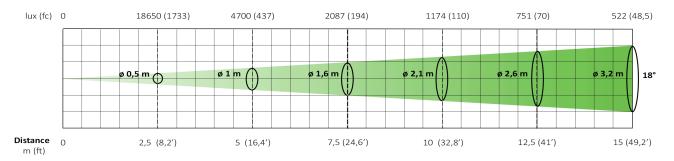
Projection Lens Focal **56 mm** - Angle aperture **32°** (I.D. Ø30mm)

Total lumen output: **4.000 lm**- Luminous efficacy: **80 lm/W**- Optical Efficiency: **56%** 



Projection Lens Focal **140 mm** - Angle aperture **12°** (I.D. ø30mm)

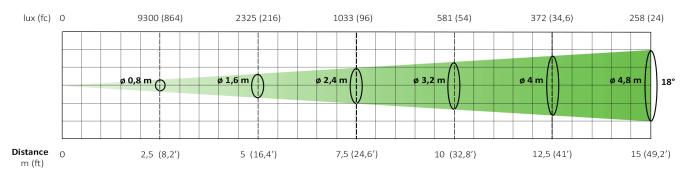
Total lumen output: **3.460 lm**- Luminous efficacy: **69 lm/W**- Optical Efficiency: **49%** 



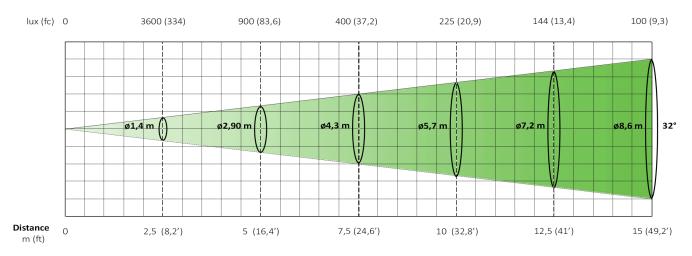
#### **SIGNUM 75W**

Projection Lens Focal **90 mm**- Angle aperture **18°** (I.D. ø30mm)

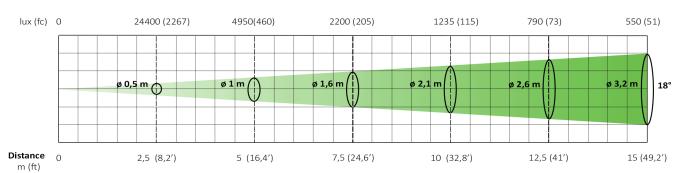
Total lumen output: **4.900 lm**- Luminous efficacy: **66 lm/W** - Optical Efficiency: **51%** 



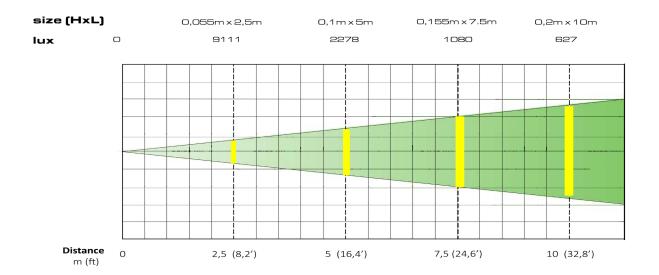
Projection Lens Focal **56 mm** - Angle aperture **32°** (I.D. ø30mm) Total lumen output: **5.400 lm**- Luminous efficacy: **72 lm/W**- Optical Efficiency: **56%** 

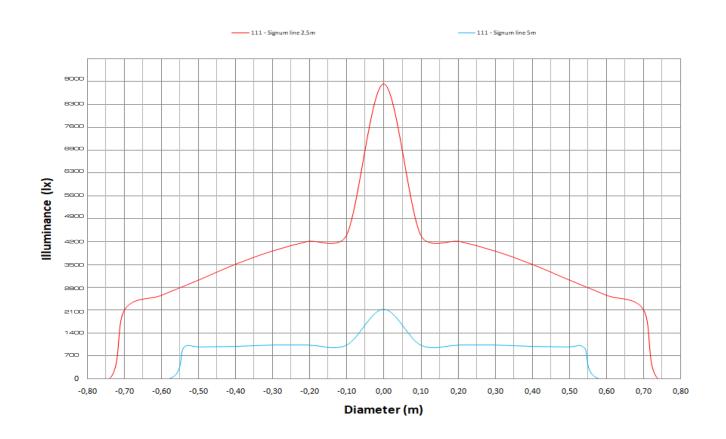


Projection Lens Focal **140 mm**- Angle aperture **12°** (I.D. ø30mm) Total lumen output: **4650 lm**- Luminous efficacy: **62 lm/W** - Optical Efficiency: **48%** 



#### **SIGNUM LINE**





## DIVUM 30K



Divum 30K is an LED projector with extraordinary performance thanks to the brand new 30.800 Lumen COB LED, ideal for brilliant projections. With its overall simplicity, compact design and a degree of protection of IP54 it's perfect for outdoor projections and Christmas effects.



#### DIVUM 30K

#### **BODY**

Material	Aluminium - Steel
Protection Rating	IP54
IK Rating	IK09
Surface Finishing	Black Painting RAL 9005

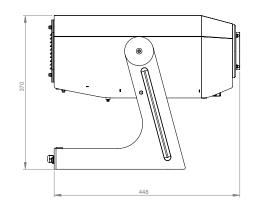
#### **POWER SUPPLY**

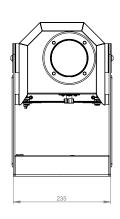
Power mode		250W
	110.240\/	50/60Hz

#### **MAIN FEATURES**

Light Source	200W CITILED COB		
Colour Temperature			6.000 °K
Luminous Flux Source			25.576 lm
Optical System	56 mm	90 mm	115 mm
Gobo Size	I.D. ø48mm	I.D. ø48mm	I.D. ø64mm
Angular Aperture	46°	30,4°	29,1°
Illuminance max at 5m	573 lux	1925 lux	2250 lux
Optical Efficiency	14,5%	38%	33%
Total Lumen Output	3.700 lm	9.600 lm	8.500 lm
Luminous Efficacy	18,5 lm/W	48 lm/W	42,5 lm/W

WEIGHT 12 kg





#### CASE STUDIES











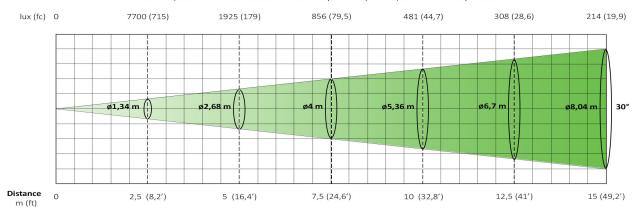






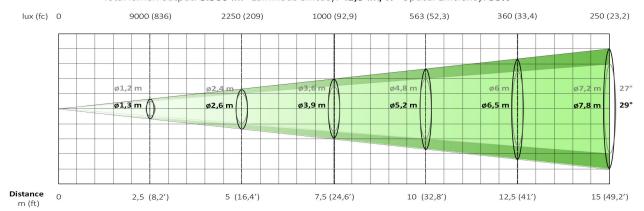
#### **DIVUM 30K**

Projection Lens Focal 90 mm- Angle aperture 30° (I.D. ø48mm)
Total lumen output: 9.600 lm- Luminous efficacy: 48 lm/W- Optical Efficiency: 38%

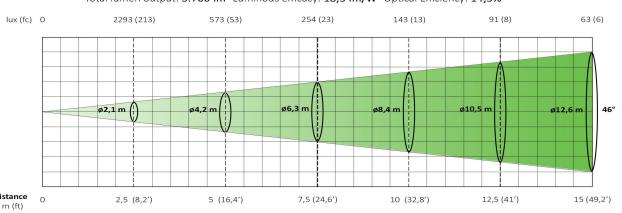


- Projection Lens Focal 115 mm- Angle aperture 27° (I.D. ø58mm)
  Total lumen output: 7.200 lm Luminous efficacy: 36 lm/W Optical Efficiency: 28%
- Projection Lens Focal 115 mm Angle aperture 29° (I.D. ø64mm)

  Total lumen output: 8.500 lm- Luminous efficacy: 42,5 lm/W- Optical Efficiency: 33%

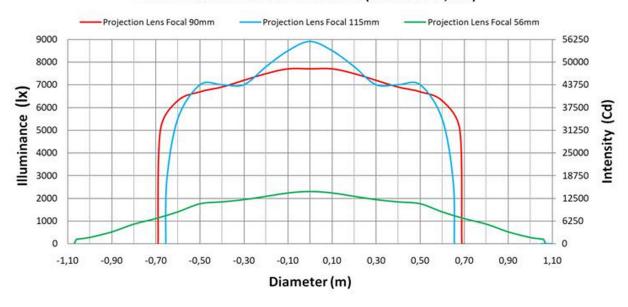


Projection Lens Focal **56 mm**- Angle aperture **46°** (I.D. Ø48mm)
Total lumen output: **3.700 lm**- Luminous efficacy: **18,5 lm/W**- Optical Efficiency: **14,5%** 



**DIVUM 30K** 

#### Illuminance distribution DIVUM 30K (Distance = 2,5 m)



## DIVUM 30K Plus



The new Divum 30K Plus adds to the recognized qualities of the standard version two new optical options that meet the requirements of the mapping and architecture market. The 140 mm (12°) can be used over distances previously inaccessible with unmatched level of detail and brightness, and the 59 mm (38.8°) incredibly efficient over small distances and capable of illuminating large-amplitude surfaces without losing brightness.



#### DIVUM 30K Plus

#### **BODY**

Material	Aluminium - Stee
Protection Rating	IP54
IK Raing	IK09
Surface Finishing	Blck Painting RAL 9005

#### **POWER SUPPLY**

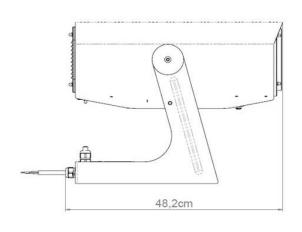
Power Mode	250W
	110-240V 50/60Hz

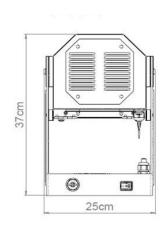
#### **MAIN FEATURES**

Light Source	200W CITILED COB			
Colour Temperature		6.000 °K		
Luminous Flux Source		25.576 lm		
Optical System	59 mm	140 mm		
Gobo Size	I.D. ø40mm	I.D. ø30mm		
Angular Aperture	38,8°	12°		
Illuminance max at 5m	835 lux	5825 lux		
Optical Efficiency	24%	11,4%		
Total Lumen Output	6.150 lm	2.925 lm		
Luminous Efficacy	30,75 lm/W	14,65 lm/W		

#### **WEIGHT**

12 kg





#### **CASE STUDIES**











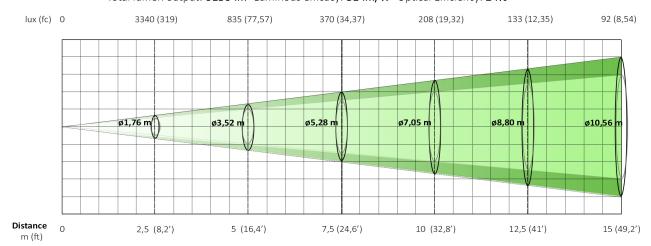






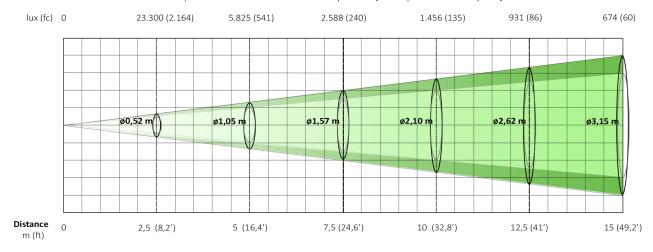
#### **DIVUM 30K Plus**

Projection Lens Focal **59 mm** - Angle aperture **38.8° (I.D. ø40mm)**Total lumen output: **6150 lm**- Luminous efficacy: **31 lm/W**- Optical Efficiency: **24%** 



Projection Lens Focal **140 mm** - Angle aperture **12°** (**I.D. ø30mm**)

Total lumen output: **2925 lm**- Luminous efficacy: **15 lm/W**- Optical Efficiency: **11,4%** 



## DIVUM 50K



Divum 50K, the latest in the Goboservice range, is a powerful projector (thanks to the 600W LED) and versatile thanks to its 8-52 photographic zoom.

The internal power supply is IP65 certified and forms an impenetrable barrier to atmospheric agents while the body, classified IP54, remains perfectly adapted to external projects even permanent. Divum ensures maximum creativity, dynamism and flexibility with a brilliant and precise reproduction of graphic drawings, logos and animations. Among the accessories: animation disc, profiler, 4-position image change.



#### DIVUM 50k

#### **BODY**

Material	Alluminium - Steel
Protection Rating	IP65/IP54
IK Rating	IK09
Insulation Class	1
Surface Finishing	Black Painting RAL 9005

#### **POWER SUPPLY**

Power Mode		66UVV
	110-240V 50.	/60Hz

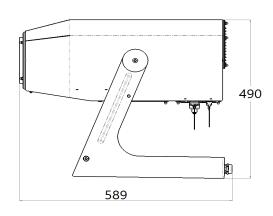
#### **MAIN FEATURES**

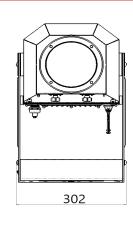
Light Source	600W CITILED COB
Colour Temperature	8880 °K
uminous Flux Source	37.100 lm
Optical System	Zoom lens (8° - 52°)
Gobo Size	ID 25 mm
Angular Aperture	8° 52°
Illuminance max at 5m	32.360 lux 980 lux
Optical Efficiency	43,6% 41,5%
Total Lumen Output	13.000 lm 16.000 lm
Lumious Efficacy	21,6 lm/W 26,6 lm/W

#### **CONTROL**

Protocol: DMX512

WEIGHT 25 kg





#### **CASE STUDIES**

















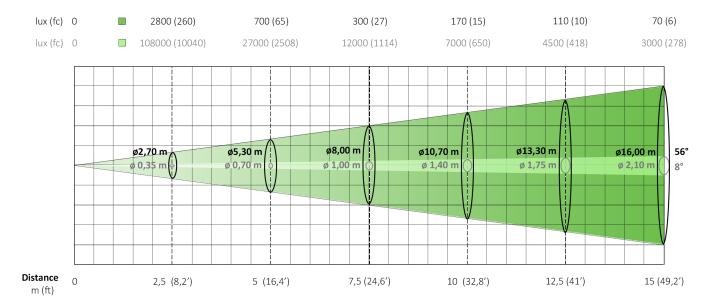
#### **DIVUM 50K**

Zoom Max- Angle aperture 52° (I.D. ø25mm)

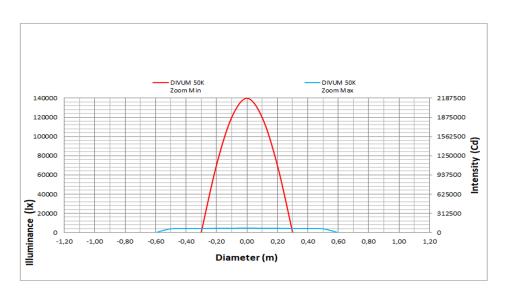
Total lumen output: **16.000 lm**- Luminous efficacy: **26,6 lm/W**- Optical Efficiency: **43,6%** 

Zoom Min- Angle aperture 8° (I.D. ø25mm)

Total lumen output: 13.000 lm- Luminous efficacy: 21,6 lm/W- Optical Efficiency: 41,5%



#### Illuminance distribution DIVUM 50K



#### **GOBOS**



Goboservice quality is recognised and appreciated worldwide.

Our gobos are made with careful attention to detail, are very bright and are made with vivid colours.

Any kind of image can be reproduced on a gobo, and a preview of the result together with a quotation can be obtained quickly.

You can buy it online by following a few simple steps, and you can be sure of CUSTOMER SERVICE and technical assistance which ARE second to none.

In the case of angled projection it is possible to correct image distortion.

#### **TYPE OF GOBOS**



BLACK AND WHITE DICHROIC GOBO



GREYSCALE DICHROIC GOBO



1 COLOUR DICHROIC GOBO



2 COLOUR DICHROIC GOBO



3 COLOUR DICHROIC GOBO



FULL COLOUR DICHROIC GOBO



**METAL GOBO** 



FREE GOBO PREVIEW



QUALIFIED TECHNICAL ASSISTANCE



CALCULATION OF DISTORTIONS FOR INCLINED PROJECTIONS



SPECIAL GOBOS FOR UNITS WITH
Philips MSD Platinum 5T-20R e Osram Sirius HRI 100W-440W



LOYALTY AND VIVIDNESS OF COLOURS



SIMPLE ONLINE PURCHASE



SHORT LEAD TIMES AND ON-TIME DELIVERY WORLDWIDE



PRODUCTION IN 24h



# STANDARD GOBOS

Goboservice offers its customers a vast catalogue of standard gobos with over 2000 images divided into categories, available online on store.goboservice.com/en

## **ARCHITECTURE**

















## **ABSTRACT & SHAPES**

















**SKY & STARS** 

















**CELEBRATION** 

















**WEDDING** 

















**NATURE** 

















**SYMBOLS & SPORT** 

















**SAFETY SIGNS** 









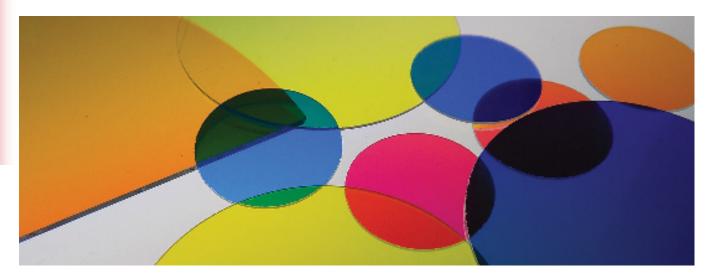








# **DICHROIC FILTERS**



Dichroic filters, widely used in the lighting industry, are composed of a substrate generally of borosilicate glass, on which a dielectric coating is deposited, i.e. an alternation of very thin layers of dielectric materials such as silicon oxide and titanium, with different refraction indices.

Such thin layers (just tens of nanometers for each layer) interact with the wavelength of light, filtering it and generating different colours accordingly.

Besides being used in highly specialised sectors, dichroic filters are used in the scenographic field and in lighting technology to colour the light and to correct the colour temperature of a light source.

#### **TECHNICAL FEATURES**

- Substrate: Borosilicate glass
- Resistance up to 450°C
- Available thicknesses: 1.1 mm and 0.5 mm. Upon request also 2 and 3 mm
- Standard sizes: all diameters between 14 and 180 mm
   On request any shape and size
- No light absorption
- Persistence of colours over time
- Spectrophotometric measurements, CIE coordinates available upon request for each filter





#### **TYPES OF FILTERS**

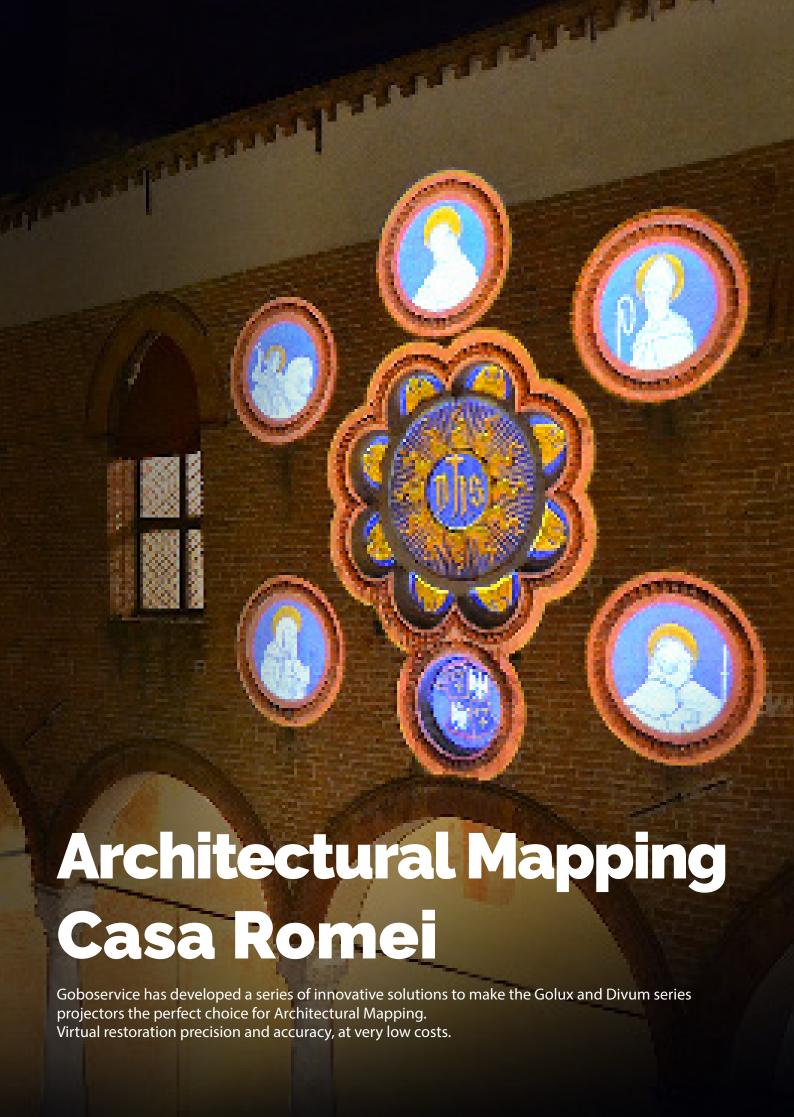
- Coloured Filters
- CYM filters
- Colour correction filters
- CRI optimisation filters
- Rotating animation
- Special coating for gobos made for short-arc lamp projectors
- Custom Filters

## **FILTER COLOURS**

Our dichroic filters are always available in 16 standard colours and in various formats.



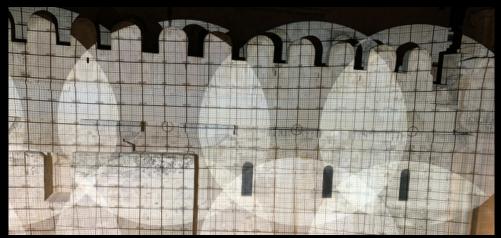














October 25, 2019 - Inauguration of projections on the Athenaion of Siracusa

# Corporate Projections Somfy's 50th

A led gobo Projector Divum 30KR was used to project the logo onto the central office building of the world leader in home automation based in France.



# Christmas Projections Trento

In Trento, the historic Palazzo Pretorio in Piazza del Duomo, was dressed in flaming red and decorated with ice and snowflakes for the Christmas holidays.

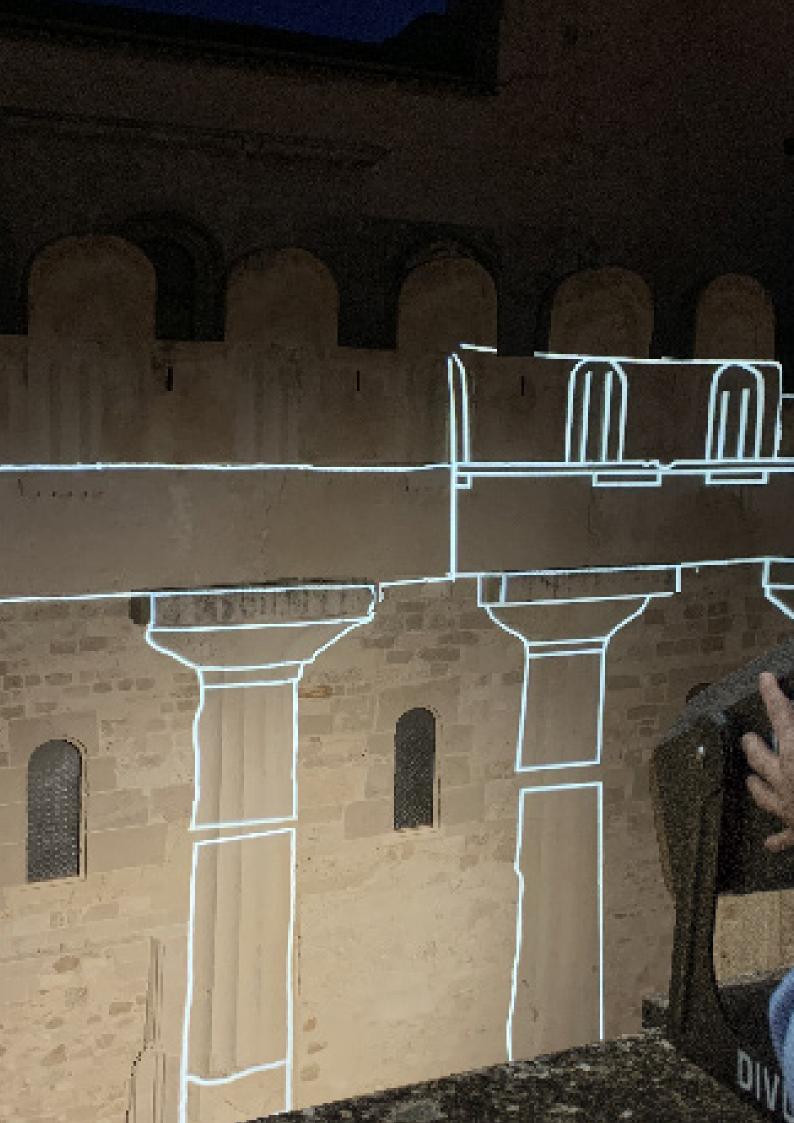
The range of effects and colours was designed by Blachere Illumination Italia with Golux Goboservice projectors to create a magical atmosphere on one of the most visited squares in Italy.

The massive walls of the palace, dating back to the 9th century AD, were illuminated by Golux projectors for over a month serving as a backdrop for the events organized by the Town Hall.











# **SERVICES**

# **IDEATION**

We start with a detailed analysis of the customer's idea, providing all types of technical and creative support.

# **DESIGN**

During the design phase, we provide dimensional and quantitative calculations, photorealistic simulations and technical indications, to create any type of projection.

# **REALIZATION**

A team of experienced and passionate architects, graphic designers, programmers and installers develop customized solutions that precisely meet your desired requirements

# INSTALLATION

The installation of the projectors is entrusted, under internal technical supervision, to a network of highly qualified professionals who always guarantee safety and efficiency.

# **SYMP**

MODÈLE	CODE
Symp M	119A300
Objectif 70 mm	1199100
Symp W	119A200
Objectif 56 mm	1199000
Symp MT	119B100
Objectif 70 mm	1199100
Symp WT	119B200
Objectif 56 mm	1199000

# **SIGNUM**

MODÈLE	CODE
Signum 25W-M	111A300
Objectif 70 mm	1119300
Signum 50W-W	111B200
Objectif 56 mm	1119200
Signum 50W-N	111B100
Objectif 90 mm	1119100
Signum 50W-XN	111B600
Objectif 140 mm	1119500
Signum 75W-W	111C200
Objectif 56 mm	1119200
Signum 75W-N	111C100
Objectif 90 mm	1119100
Signum 75W-XN	111C600
Objectif 140 mm	1119500
Signum 75W-L	111CL00
Objectif f100	1119445
Signum 50W-WR	111F200
Objectif 56 mm	1119200
Signum 50W-NR	111F100
Objectif 90 mm	1119100
Signum 75W-WR	111E200
Objectif 56 mm	1119200
Signum 75W-NR	111E100
Objectif 90 mm	1119100

# **SIGNUM**

ACCESSOIRES	CODE
Objectif 56 mm	1119200
Objectif 90 mm	1119100
Capteur de mouvement	RIL0001
Etrier de fixation (poteau)	1115000
Rallonge	CAB0019
Prise électrique Schuko IP54	SPN0001

# DIVUM 30K

# MODÈLE

Divum 30K_s	1081000
Objectif 115 mm	1089000
Rotation Gobo	1084301
Divum 30K-M	108RM00
Divum 30K_s	1081000
Objectif 56 mm	1089200
Rotation Gobo	1084301
Divum 30K-W	108RW00
ACCESSOIRES	
Objectif 56 mm	1089200
Objectif 90 mm	1089100
Objectif 115 mm	1090000
Beam Shaper (IDØ64mm)	1088000
Beam Shaper (IDØ48mm)	1088100
Effet Dynamique	1086100
Porte-gobo	1084301
Rotation Gobo	1084100
Changeur de gobos	1084200
Etrier de fixation Basic	1091000
Etrier de fixation Pro	1151000
Trépied extensible	1161000
Disque Animation Standard	108XX00
Prise électrique Schuko IP54	SPN0001

# DIVUM 50K

# MODÈLE

Divum 50K_s	1171000
Rotation Gobo	1174101
Divum 50K	117R100

# **ACCESSOIRES**

Rotation Gobo	1174101
Changeur de gobos	1174200
Rotation Gobo	1174000
Effet Dynamique	1176000
Beam Shaper	1178000
Prise électrique Schuko IP54	SPN0001
Etrier de fixation Pro	1151000
Trépied extensible	1161000
Disque Animation Standard	117XX00

REMARQUES		

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