

Vol.1.1 / ENG

GigaTera Lighting  
**Reference Book**

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***Sports Flood*** and  
*Bay Lighting*

# Alpensia Ski Jumping Center in Pyeongchang, Korea



This project targeted three competition venues within the Pyeongchang Alpensia sports park, namely the ski jumping center, biathlon course, and the cross-country course. The lighting installation work began first in the ski jumping center, where the sports lighting SUFA-A was used. Here, the twelve poles that were already there were used as is. Later, we further installed two additional poles and a temporary tower structure on the rooftop of the building called the judge's tower. In addition to sports lighting, 364 NANA 65W products were installed in the In-Run Track of the ski jumping center where the athletes start off.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA1K2	1.2kW	542ea	650.4kW
NA 65	65W	364ea	23.66kW	
Illuminance Data	Avg.			
	Over 1,600 lx			



Sports Flood Lighting  
SUFA-A / NANA



Sports Flood Lighting  
SUFA-A / SUFA-M



02

# Alpensia Biathlon & Cross-Country in Pyeongchang, Korea



In the case of the biathlon and cross-country venues, SUFA-M and SUFA-A lighting were installed in each course and competition site. The installation was performed simultaneously in the two competition venues. 91 units of NANA 65W products were installed in the shooting range and other sections of the biathlon course as well.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
(Biathlon / Cross-Country)	SFA 1K2	1.2kW	439ea / 352ea	526.8kW / 422.4kW
	SFM	-	1,282ea / 778ea	-
	NA 65	65W	91ea	5.92kW
Illuminance Data	Course		Stadium	
	Over 1,200 lx		Over 1,600 lx	

# Gangneung Oval in Korea

03



For this project, we installed 452 units of SUFA-A 1.2kW products with a color temperature of 5700K and color rendering of 90 Ra. In addition to a detachable converter, we also included a GeSS lighting control system.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA 1K2	1.2kW	452ea	542.4kW
Illuminance Data	Stadium	Main Camera	Super Slow Motion	
	Min. 1,200 lx	Min. 1,200 lx	Min. 2,000 lx	



Sports Flood Lighting  
SUFA-A





Sports Flood Lighting  
SUFA-A

## 04

# Curling Center in Gangneung, Korea



This project was an installation case where a total of 92 units of SUFA-A 1.2kW were installed that have a color temperature of 5700K. Also, a 90Ra high color rendering product was introduced, and the SUFA-A product was installed along with a remote driver separate from the power supply device, which was installed on the product.

After completing the project, the structural features of the SUFA-A 1.2kW product that was comprised of two 600W modules were praised by the installation company for the many benefits it offered when carrying out the project.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA 1K2	1.2kW	92ea	110.4kW
Illuminance Data	Stadium		Main Camera	
	Min. 1,200 lx		Min. 2,000 lx	

# Yankee Stadium in New York, USA

05



The first successful MLB stadium to ever light up with LED's was through GigaTera SUFA lights at the Seattle Mariners' Safeco Field and this success did not stop there. After first hand experience with this new technology, the Seattle Mariners announced their full-fledged support for the technology. Though the Yankees originally did not think a lighting upgrade would be necessary because they had already achieved the highest levels of lighting conditions among all baseball stadiums in the US with the new metal halides introduced during the rebuilding of the stadium in 2009, the attestation of Safeco Field stadium operators of the economic and non-economic benefits of LED technology had convinced reconsideration.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA1K0	1kW	692ea	692kW
Illuminance Data	In-field Avg.		Out-field Avg.	
	4,747 lx		4,768 lx	



Sports Flood Lighting  
SUFA-A



Sports Flood Lighting  
SUFA

06

# Seattle Mariners Safeco Field in USA



Introducing the first LED lighting system to be used in Major League Baseball after 2 years of careful inspections and preparations amidst tough competition among well-known lighting companies from around the world.

Gigalera's product proved to be ahead-of-the-curve in terms of performance and succeeded in winning the contract for the project.

The introduction of a LED and lighting system not only enables energy savings and an enhancement to the eco-friendly image of the team but also is expected to contribute to the improved athletic performance of the players.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 800	800W	578ea	462.4kW
Illuminance Data	In-field Avg.		Out-field Avg.	
	3,272 lx		2,809 lx	

# World Cup Stadium in Suwon, Korea

07



The Suwon World Cup Stadium which was fitted with 120 units of SUFA-A 1.2kW is a professional soccer stadium that was the first example of such an installation in Korea. As with other stadiums, the lighting was installed with the event lighting function available.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA 1K2	1200W	120ea	144kW
Illuminance Data	Stadium			
	Over 1,800 lx			



Sports Flood Lighting  
SUFA-A

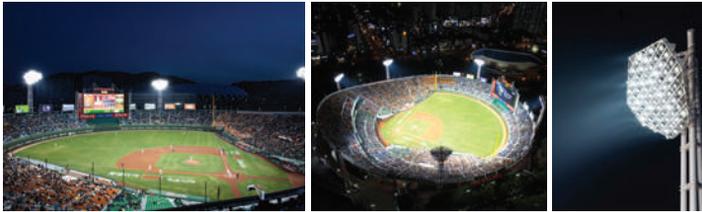




Sports Flood Lighting  
SUFA-A

08

# Sajik Baseball Stadium in Busan, Korea



This project replaced all of the main, landscape, and internal lightings of Busan Sajik Stadium, the home ground of the professional baseball team "Lotte Giants" with GigaTera LEDs. The 45-meter tower lighting system consists of 6 poles with 294 units of metal halide 2.2 kW (including ballasts) replaced with 420 units of SUFA-A 1.2 kW and 600 W.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA 600	600W	36ea	21.6kW
	SFA 1K2	1200W	384ea	460.8kW
Illuminance Data	In-field Avg.		Out-field Avg.	
	3,883 lx		2,748 lx	

# VMAC, Practice Center of Seahawks, USA

09

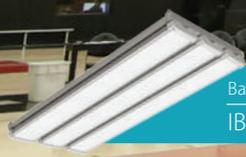


Located in Renton, Washington, the Virginia Mason Seahawks Practice Center has successfully replaced its previous metal halide high bay system for a NANA 600W LED solution. The previous system consisted of 203 fixtures of 875W Metal Halide lamps and have been replaced with 150 fixtures of 600W LED high bays. Through the reduction in wattage per fixture as well as number of fixtures needed, the energy usage has been reduced by 53% while the overall illumination levels have been improved by 122%. Smart control functions such as on/off switching and dimming have been included in the solution as well through the wirelessly communicating GeSS IPC system.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	NA 600	600W	150ea	90kW
Illuminance Data	Min.			
	970 lx			



Bay Lighting  
NANA



Bay Lighting  
IBL

## 10

# Trail Blazers in USA



Home professional basketball team of the City of Portland in USA, the Trailblazers have completed the install of IBL high bays for its practice facility.

This new lighting system has been designed to encourage the natural tendency for viewers and players to view up high toward the ceilings during games. The sharp glare that used to emanate from old systems to cause eye discomfort have completely been eliminated by the use of an indirect beams.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
IBL 400	400W	-	-

# England's Leicester Riders Stadium

11



England's Leicester Riders Stadium has installed IBL high bays to light up its interior. Through the indirect reflection of light onto the court and into the eyes of players and audiences, the IBL avoids any direct beams from glaring into any eyes.

This allows the court to be illuminated at a much brighter level than before while avoiding any risk of uncomfortably bright light. The included video below has been put together by GigaTera Germany for your viewing experience.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	IBL 200	200W	-	-



Bay Lighting  
IBL



Bay Lighting  
IBL

12

# Gunsan Indoor Tennis Court in Korea



England's Leicester Riders Stadium has installed IBL high bays to light up its interior. Through the indirect reflection of light onto the court and into the eyes of players and audiences, the IBL avoids any direct beams from glaring into any eyes.

This allows the court to be illuminated at a much brighter level than before while avoiding any risk of uncomfortably bright light. The included video below has been put together by GigaTera Germany for your viewing experience.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	IBL 500	500W	42ea	21kW
Illuminance Data	Avg.			
	1,046 lx			

# Sydney Olympic Park Tennis Center

13



In June 2014 Lamptech approached the Sydney Olympic Park Tennis Center to discuss replacing the existing metal halide lighting system with GigaTera LED's. This project marked the first installation for a broadcast quality sporting facility in Australia. The project consisted of a total of 120 Sufa 400W fittings installed at 6 courts with the primary goal of increasing existing light levels while achieving power savings and the secondary goal of lowered maintenance costs.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	120ea	48kW
Illuminance Data	Avg. 1,333 lx			



Sports Flood Lighting  
SUFA





Sports Flood Lighting  
SUFA-A



14

# Monbetsu Horsetrack in Japan



The Installation of the SUFA-A product at the Monbetsu Horsetrack was installed in Hokkaido, Japan.

The Monbetsu project consists of the installation of a total of 534 units across 5 types of products with diverse color temperatures including SUFA-A 1kW 5000K, SUFA-A 1kW 3000K, SUFA-X 500W 5000K, SUFA 400W 5000K, and MAHA 400W 5000K.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFA 1K0	1kW	480ea	480kW
	SF 400	400W	12ea	4.8kW
	SFX 500	500W	14ea	7kW
	MH 400	400W	29ea	11.6kW
Illuminance Data	Avg. 650 lx			

# Evendale Golf & Resort in Korea

15



SUFA-M products are divided into individual modules of 200W to achieve the high output of 1.2kW. When installed on the golf the uniformity luminance is far better than before. The products can also be aimed very specifically, which significantly reduces glare. This project as a strong reference, we can expect GigaTera lighting to be installed in other golf courses as well.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFM 1K2	1.2kW	310ea	372kW
Illuminance Data	Even Course 01_Green Avg.		Dale Course 01_Green Avg.	
	428 lx		473 lx	



Sports Flood Lighting  
SUFA-M

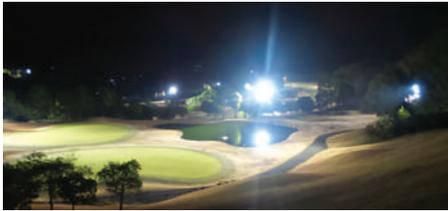


Sports Flood Lighting  
SUFA



16

# Kurate Golf Club in Japan

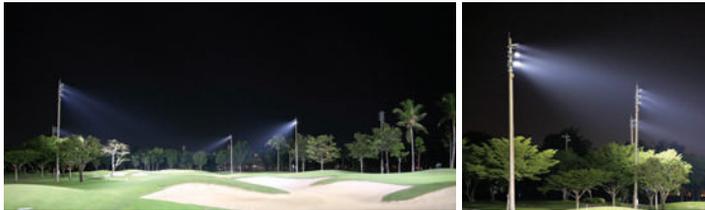


This project replaced the lightings of the PGM Golf Club Kurate Course located in Kurate, Fukuoka, Japan, where 1 kW mercury lamp was replaced with GigaTera floodlight, SUFA and MAHA. The energy savings reached 73.7%, with a surprisingly high improvement of illumination intensity of 250%, which satisfied the client. This Kurate project is the second LED lighting for a golf club in Japan and the first one in Kyushu.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 200	200W	439ea	178.6kW
	SF 400	400W	223ea	
	MA 400	400W	4ea	
Illuminance Data	Hall 01_Green Avg.		Hall 09_Green Avg.	
	70 lx		57.5 lx	

# Panya Indra Golf Club, in Thailand

17



Located in Bangkok, Thailand, Panya Indra Golf Club is an international golf club that has replaced its existing metal halide field lights with LED lighting. As a result, 64% in energy savings and over 80% in illumination improvements were achieved the expectations of the club and its stakeholders.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	860ea	344kW
Illuminance Data	Hall B1_Green Avg.		Hall C3_Green Avg.	
	248 lx		297 lx	



Sports Flood Lighting

SUFA





Sports Flood Lighting  
SUFA



18

# Naenam Life Sports Park in Korea



GigaTera's domestic partner company AGRO completed the installation of 32 units of our SUFA products on 20 M tall lighting towers using the high mast mode, in a soccer field in Naenam-myeon Life Sports Park, which is located in Gyeongju city.

After replacement with our SUFA-400W, the luminance was enhanced to a level 3 times brighter than before. The uniformity luminance is now also excellent, allowing the local residents to enjoy nocturnal sports in a pleasant lighting environment. After the product installation, the soccer field's average illuminance was measured to be 336 lux.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	32ea	12.8kW
Illuminance Data	Avg. 336 lx			

# Gayang Leports Center in Korea

19



On each of the posts of the lighting towers that are 18M tall, we installed 6 units of the SUFA 800W product and 4 units of the SUFA 400W product. There were 4 lamp posts, which means that a total of 42 units SUFA sports lighting were installed.

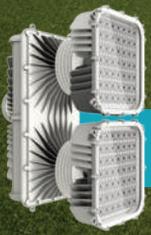
After completing the product installation, the average luminance in the soccer stadium was measured to be 376 lux. Gayang Leports Center is a space for leisure and cultural activities enjoyed by the local residents. The LED lighting products were installed with a wireless dimming control system.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	40ea	-
	SF 800	800W		-
	MH 400	400W	4ea	1.6kW
Illuminance Data	Avg.			
	376 lx			



Sports Flood Lighting  
SUFA





Sports Flood Lighting  
SUFA-X



20

# The 'Dream Ball Park' in Gijang



This is an installation case of SFX in the Dream Ball Park in Gijang, Korea.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFX 500	500W	16ea	8kW
	SFX 1K0	1000W	109ea	109kW
Illuminance Data	Park Stadium (Avg.)		Auxiliary Stadium (Avg.)	
	In-field : 808 lx	Out-field : 765 lx	In-field : 1,240 lx	Out-field : 890 lx

# Changwon Basketball Arena in Korea

21



This is an installation case of the SUFA 400W and SUFA 800W product at the Changwon Indoor Gymnasium.

Replacing the metal halide 2kW product showed an energy reduction rate of 84%. In particular, the event lighting function via the GeSS controls greatly satisfied gymnasium officials.

In this case, the lighting was installed in according to International Basketball Association (FIBA) lighting regulations. There should be no problem with hosting international event from now on.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	47ea	18.8kW
	SF 800	800W	12ea	9.6kW
Illuminance Data	Avg.			
				2,100 lx

# 곤지암리조트



Sports Flood Lighting  
SUFA



Sports Flood Lighting  
SUFA

22

# Baseball Stadium in Gyeongju, Korea



The baseball stadium in Gyeongju Life Sports Park is a baseball stadium for amateur players located in Songgok-dong, Gyeongju. The stadium recently installed GigaTera's sports light product, SUFA, for the National Women's Baseball Games and the U-12 National Boys' Baseball Games held at the stadium in 2015.

SUFA products were installed in compliance with the US NCAA (NCAA & ESPN) standards. The products offered a pleasant lighting environment during night games, which largely contributed to the success of the games held in July 2015.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	12ea	4.8kW
	SF 800	800W	92ea	73.6kW
Illuminance Data	In-field		Out-field	
	861 lx		528 lx	

# Baseball Stadium in Yanggu, Korea



To expand and diversify the base of sports for everyone, Yanggu-gun of Gangwon-do constructed an exclusive baseball stadium with its left and right fields each spanning 90 m and its center field spanning 100 m in Ha-ri, Yanggu-eup, with an invested budget of KRW 1 billion. In the stadium, Giga Tera LED sports lighting at a major league level are installed all throughout the stadium as the first of its kind in Korea. After replacing the lighting fixtures, a nighttime exhibition match was held there for the first time, and it was reported that about 200 persons, including the heads of local institutions and baseball players, participated in the lighting ceremony.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	6ea	2.4kW
SF 800	800W	50ea	40kW	
Illuminance Data	In-field		Out-field	
	674 lx		386 lx	



Sports Flood Lighting  
SUFA





Sports Flood Lighting  
SUFA

24

# Gangsang Sports Park, in Yangpyeong-gun, Korea



This is an installation case of SUFA product installed at the Gangsang Sports Park in Yangpyeong-gun, Korea.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	20ea	8kW
	SF 800	800W	50ea	40kW
Illuminance Data	In-field Avg.		Out-field Avg.	
	550 lx		305 lx	

# Korea Military Academy Tennis Courts

25



As the name suggests, the KTA Korea Military Academy Tennis Courts, located in Galmae-dong, Guri, Gyeonggi Province, is the first tennis court to be built for the joint use of civilians, namely the Korea Tennis Association, and the Korea Military Academy. The building has been designed with energy efficient MAHA400W fixtures as its primary lights for night use and a tension membrane cover to allow outside light to be used inside during the day.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	84ea	33.6kW
Illuminance Data	Avg.			
	980 lx			



Area Flood Lighting  
MAHA





Area Flood Lighting  
MAHA

## 26

# Indoor practice stadium in Korea



“S” baseball team has installed MAHA floodlights at its indoor practice stadium. This was a replacement project for products from global brand “M”. The plan is to provide wireless control capability and a maximum lux level of 1,200.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	66ea	26.4kW
Illuminance Data	In-field		Out-field	
	1,027 lx		896 lx	

# Dongrae Middle School Tennis Court in Korea



Located at Material Dongnae Middle School in Busan, South Korea, two tennis courts have been installed with MAHA-NEO products for this video presentation.

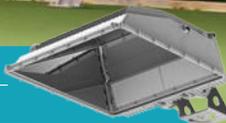
To match the school's goal to ensure athletes the same practice environment as their competition by satisfying the regulations of the Korean Tennis Association, an average light level of 1,082 lux or 100.5 FC have been achieved.

In particular, through the GeSS wireless control system, the court offers individual dimming for each court to allow for additional energy savings at custom levels.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MAN 600	600W	20ea	12kW
Illuminance Data	Avg. 1,082 lx			



Area Flood Lighting  
MAHA-NEO





Area Flood Lighting  
MAHA

28

# Ulju Cheongryang Tennis Court in Korea



The MAHA products installed at Ulju Cheongyang Dongcheon have been installed in a high-mast two-tier structure and thanks to lighting cut-offs possible by MAHA products and their overall uniform light output, we have been able to achieve an excellent level of uniformity at the tennis court.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	24	9.6kW
Illuminance Data	Avg.			
	883 lx			

# Neungseo Leports Tennis Court in Korea

29



At the Yeosu Leisure Park in South Korea, a tennis court has been newly renovated with SUFA 400W products.

The SUFA series offers a variety of beam angles for versatile lighting applicability to create the ideal environments for sports applications and is already gaining recognition both domestically and internationally. Now, GigaTera presents you the future of sports lighting.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	-	-
Illuminance Data	Court #1 Avg.	Court #2 Avg.	Court #3 Avg.	
	603 lx	615 lx	600 lx	



Sports Flood Lighting  
SUFA





Roadway / Area Flood Lighting  
SETA / MAHA



30

# Suji Respia Futsal Stadium in Korea



Suji Respia is located in the Suji district of Yongin city in Gyeonggi-do. It is a sports park for the public and to harmonize with the park's distinctive landscaping, we used a low-mast method with a height of 8.2 M. We combined two of the MAHA 300W products with one SETA 80W Security Lighting, and received reviews that the result was efficient not only for Futsal but for rendering the nocturnal lighting environment in the interior of the park.

The installed lighting included 12 units of MAHA 300W and 6 units of SETA 80W, installed on columns that were 8.2 M high. After the installation, the average luminance was 393 lux in the Futsal stadium and 60 lux in the park roads.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 300	300W	12ea	3.6kW
	SET 80	80W	6ea	480W
Illuminance Data	Futsal Stadium Avg.		Park Roads Avg.	
	393 lx		60 lux	

# Gyeongju Donggung Palace and Wolji Pond in Korea

31



MAHA 400W and SUFA 400W products have been installed in Donggung Palace and Wolji Pond, the historical site of a royal palace from the Shilla dynasty, in the city of Gyeongju.

This site previously had scenic lighting and the 1kW metal halide security lighting, and although we only replaced some of the 1kW metal halide security lighting, the average luminance tripled.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SF 400	400W	-	-
	MA 400	400W	-	-
Illuminance Data	Avg.			
	65 lx			



Sports / Area Flood Lighting  
SUFA / MAHA





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**Area** *Flood Lighting*

# Botanical garden in Gyeongju, Korea

01



GigaTera partner company AGRO has introduced the MAHA lineup as an option for lighting a botanical garden in Gyeongju city, South Korea.

A combination of 400W and 300W products have been used with a wireless dimming system. With a 80Ra color rendering index rating, visitors may now see the garden in stunning vividness even at nighttime.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 300	300W	3ea	900W
	MA 400	400W	6ea	2.4kW
Illuminance Data	Avg.			
	169 lx			



Area Flood Lighting  
MAHA





Area Flood Lighting  
MAHA

02

# Gwanseong pine beach in Korea



GigaTera's South Korea Partner, Bluekite has installed MAHA 400W in "ARGO" Gyeongju Gwanseong solbat (pine) beach.

In Gwanseong solbat beach security usage, on 15 meter six poles, 42 products were installed for an illumination level of 80 lux. Wireless dimming has also been included to enable easy dimming. In addition, at the lower end of the poles, GigaTera's decorative lighting seagull have been installed to enhance the Gwanseong solbat beach experience.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	42ea	16.8kW
Illuminance Data	Avg.			
	80 lx			

# Sydney Port in Australia

03



In this installation case, MAHA 400W product was installed with High Mast Lighting along the upper and middle sections of the pole in the International Convention Centre in Sydney, Australia.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
MA 400	400W	-	-



Area Flood Lighting

MAHA





Area / Sports Flood Lighting  
MAHA / SUFA

04

# Taman Perling Tollgate in Malaysia



Toll mine located in the Johar Bahru region.  
Replacing the lighting (Existing Sources : HPS-1200W) with LED lighting, the luminance value be increased 50%.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	-	-
	SF 400	400W	-	-
Illuminance Data	Avg.			
	57.8 lx			

# Songdo Costco in Korea

05



GigaTera's flood light option for outdoor signage lighting has been applied at a Costco location at the smart city of Songdo in South Korea.

BIFA uses efficient beam control for an advantage in projecting light much more thoroughly across target signage areas from shorter mounting arm requirements.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	BIF 50	50W	7	350W



Area Flood Lighting

BIFA

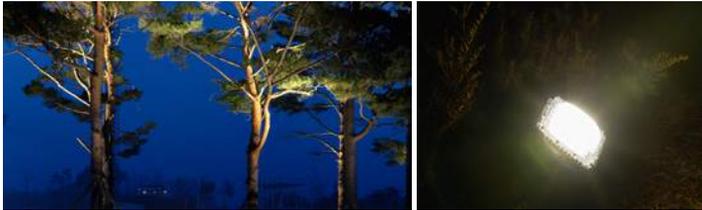




Area Flood Lighting  
SUFA-G

06

# Alpensia Tree Spot Lighting in Korea



The SUFA-G Series introduces illumination to the pine tree garden in front of Alpensia Ski Jump Tower, the stadium of the next winter Olympics.

With an efficiency level of 105 lm/W, various power output levels at 50w, 80w, and 100w, and a round cover to prevent water filling, the SUFA-G series is a versatile new solution for night gardens and landscape lighting.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SFG	-	-	-

# POSCO in Thailand

07



This is an installation case of MAHA 400W installed on the POSCO Factory in Thailand.

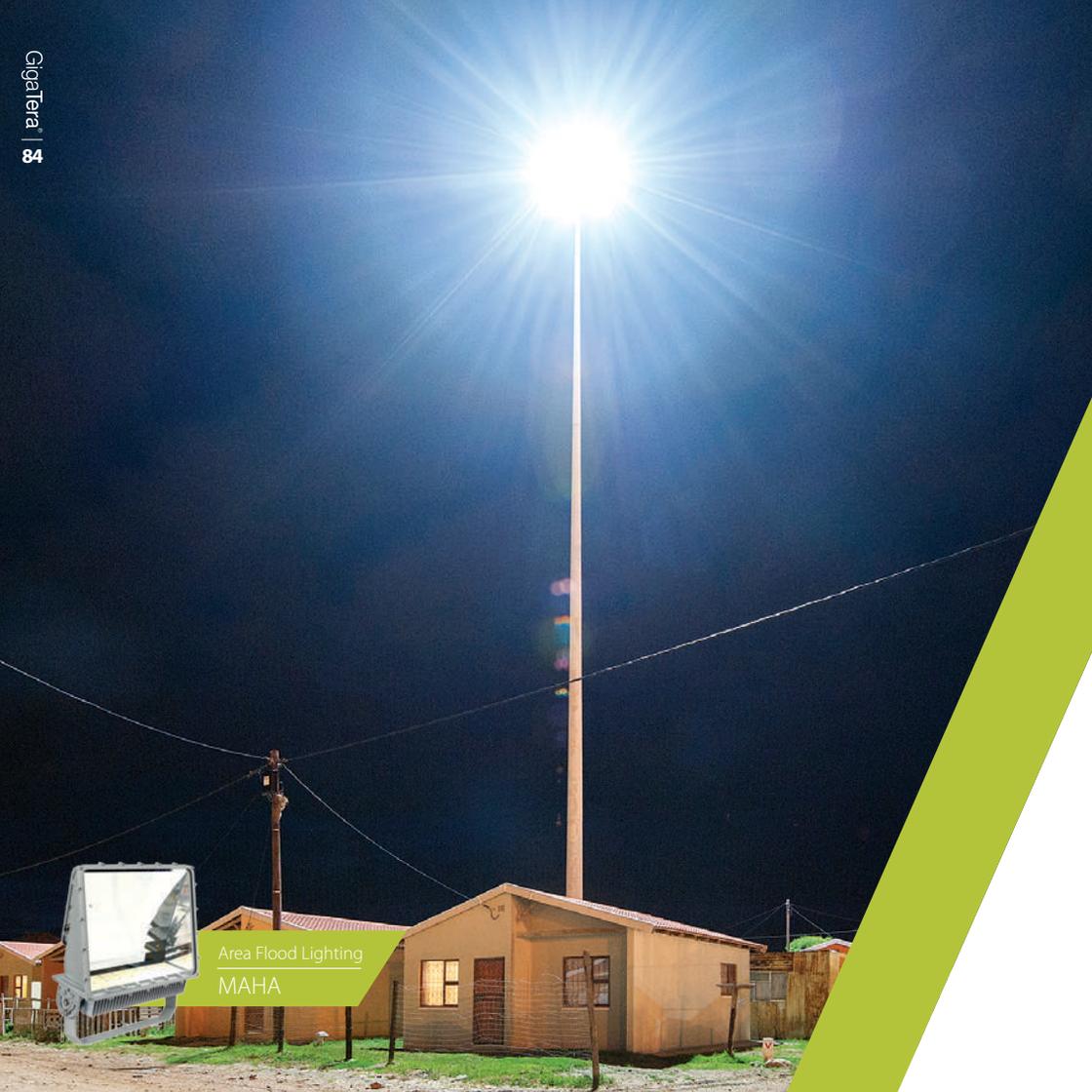
## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
MA 400	400W	-	-



Area Flood Lighting  
MAHA





Area Flood Lighting  
MAHA

08

# Residential Area in South Africa



Located in a rural area on the outskirts of Port Elizabeth, which is one of the Republic of South Africa's major seaports and is located in the south side of the country, the test site was a town that had relatively higher concerns for safety due to low overall illumination and some overly dark zones at night. To solve this problem, a new high mast solution has been adopted using GigaTera MAHA 400W products.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	400ea	160kW
Illuminance Data	Avg.			
	15 lx			

# NPE Highway in Malaysia

09



A 19.6km section of highway was constructed from the south side of Kuala Lumpur the capital of Malaysia to the Subang Jaya region to relieve the traffic congestion on the south side of Kuala Lumpur.

The government office that placed the order requested that in replacing the lighting with LED lighting, the Luminance value be increased, not only to save energy when compared to the existing lighting, but to provide a pleasant environment for drivers.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA 400	400W	-	-
Illuminance Data	Avg.			
	87,6 lx			

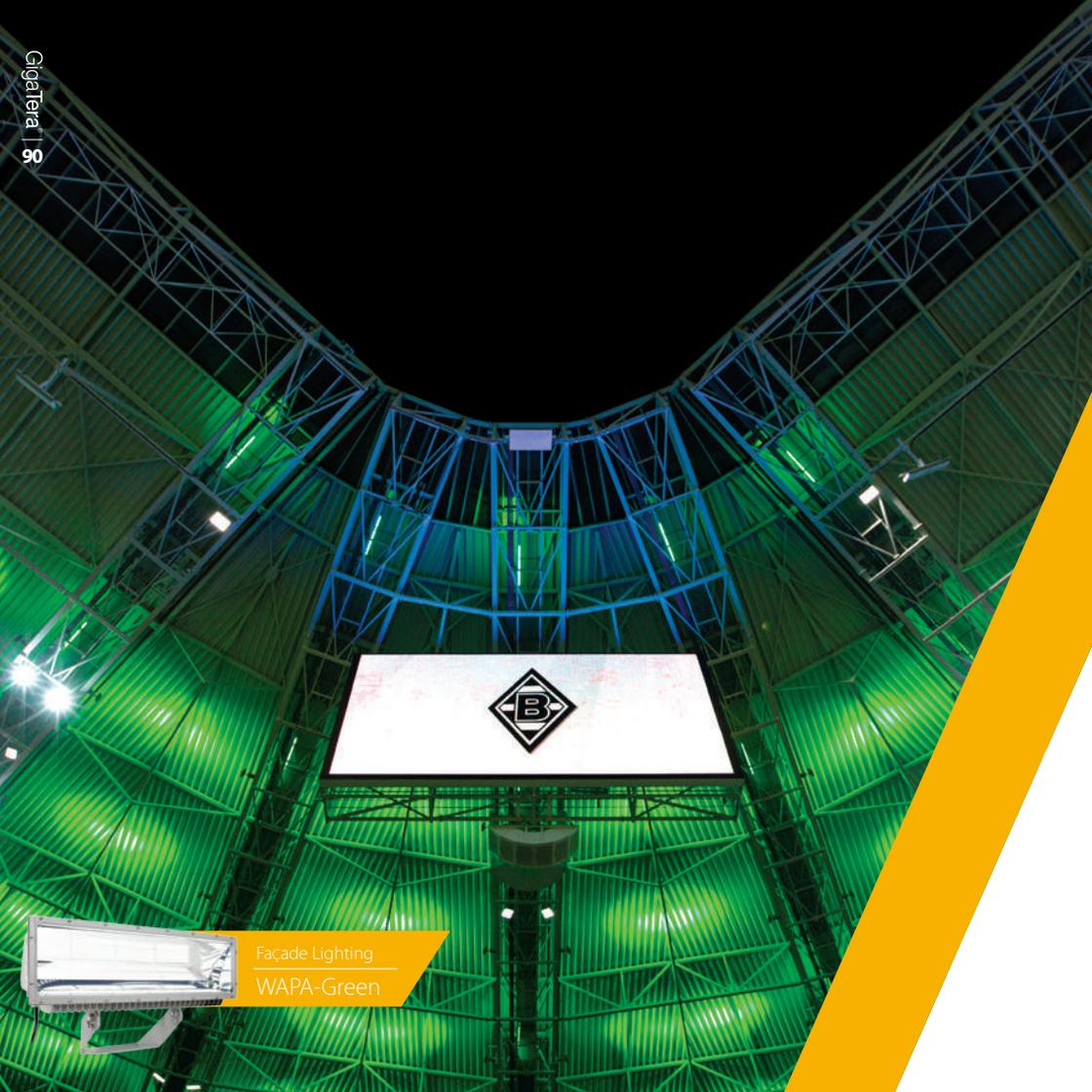


Area Flood Lighting  
MAHA



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***Façade** Lighting*



Façade Lighting  
WAPA-Green



01

# Bundesliga BMG Park in Germany



Borussia Mönchengladbach team is part of Germany's Premier Soccer team. To enhance its stadium's exterior to its team color, green, existing metal halide lamps were swapped for a LED lighting system. The switch to energy efficient LED's signals the team's vision to promote a greener future as an eco-friendly sports club.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	WP-GREEN 100	100W	55ea	5.5kW

# Incheon Bridge in Korea

02



Compared to the existing landscape lighting on the top of the bridge, the new lights at the bottom achieve a much improved level of brightness.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SFX RGB 400	400W	-	-



Façade Lighting  
SUFA-X RGB





Façade Lighting  
MAHA-RGB

03

# Palu City Jembatan Bridge in Indonesia



GigaTera's Indonesia Partner Company SESIN installed a diverse range of GigaTera lighting in The city of Palu, including floodlights, street lighting, and RGB scenic lighting. On the Jembatan bridge near the city of Palu, we installed 36 units of MAHA RGB 70W, producing dazzling nocturnal scenic lighting. Jembatan bridge has a total length of 300M and the bridge structure has a maximum height of 17 M.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA070-RGB	70W	36ea	2.52kW

# Sajik Baseball Stadium in Busan, Korea

04



The system features 9 color options through natural color conversion. With this, the MAHA-RGB façade light can be an ideal solution to enrich the appearance of buildings and landscapes. In the case of Sajik Stadium, for example, the lights stay on standard in orange to represent the home team's colors, as well as provide the option to signal various events during games such as home runs or victories for fans in the vicinity.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MA070-RGB	70W	-	-



Façade Lighting  
MAHA-RGB





Façade Lighting  
MAHA-RGB



05

# MODA Center in USA



This is an installation case of MAHA RGB 70W installed on the MODA Center in USA.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
MA070-RGB	70W	-	-

# PLUS Highway in Malaysia

06



Special project to enhance the surrounding scenery of the PLUS Highway. ASL-RGB shines in diverse colors on rock walls on either side of the highway.

The system, which comes with a master-slave operating unit, is capable of displaying different preset colors every night. It is also capable of displaying unique colors on certain holidays or national memorial days.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
ASL-RGB	400W	252ea	100.8kW



Façade Lighting  
ASL-RGB





---

**Bay** *Lighting*



Bay Lighting  
SEGA-High Power / WAPA

01

# Presidential Flight in Abu Dhabi, UAE



The Middle East branch has completed installation at the “Presidential Flight” hub of Abu Dhabi airport, which is responsible for the operation of air transport for the government and royal family of UAE. SEGA-H, MAHA, WAPA, and META products were have been selected as the LED upgrade for its hangar high bays, façade lights, and street/area lights, and have overall received a high evaluation by the customer company for significant improvements to visibility and energy savings.

In particular, for the interior of the hangar, SEH 500W products were installed at 23.15m above the ground for an average measured illumination level of 450 lux.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SEH 500	500W	154ea	77kW
WP 50	50W	93ea	4.7kW	
Illuminance Data	Avg.			
	450 lx (Hangar)			

# Hangar of Etihad Airways in UAE

02



This High-Bay Replacement project was carried out for the H1 Hangar of Etihad Airways, the National Airline of the United Arab Emirates. This hangar has the capacity to simultaneously accommodate three full-size aircrafts at any time.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SEH 500	500W	113ea	56.5kW
Illuminance Data	Avg.			
	450 lx			



Bay Lighting  
SEGA-High Power





Bay Lighting  
SEGA

03

# Motors Factory in Slovakia



This is a case of replacing the existing metal halide lighting in a Slovakian automobile production factory with eco-friendly LED lighting.

This project is a demonstration of replacing the lighting in the largest single factory in Europe and enhancing work efficiency through improving the environment of the workplace by not only achieving energy savings, but also by boosting the illumination index that falls below the EN Standard (300 Lux).

In the future, the second phase of lighting replacement will take place at the same company.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
		SE 130	130W	3,408ea
Illuminance Data (Avg.)	Section 01	Section 02	Section 03	Section 04
	358 lx	385 lx	360 lx	376 lx

# Factory in USA 04



This is an installation case of IBL 200W in the factory, USA.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
IBL 200	200W	-	-



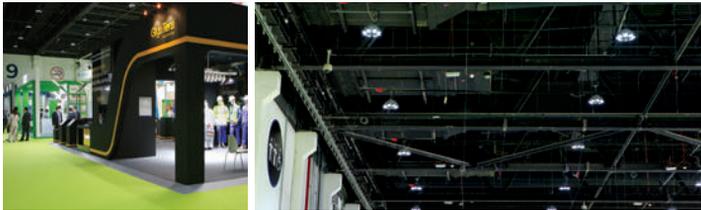
Bay Lighting  
IBL



Bay Lighting  
LN

05

# ADNEC in Abu Dhabi, UAE



The background of this case study is the largest international exhibition hall in the United Arab Emirates located in Abu Dhabi, the capital of the UAE, a fine example of the installation of a high bay lighting LN product from the GigaTera line-up that boasts superior uniformity luminance and sufficient light intensity using multi-beam width control technology. This case outlines the standards of the exhibition lighting system using GigaTera's differentiated LED bay lighting system.

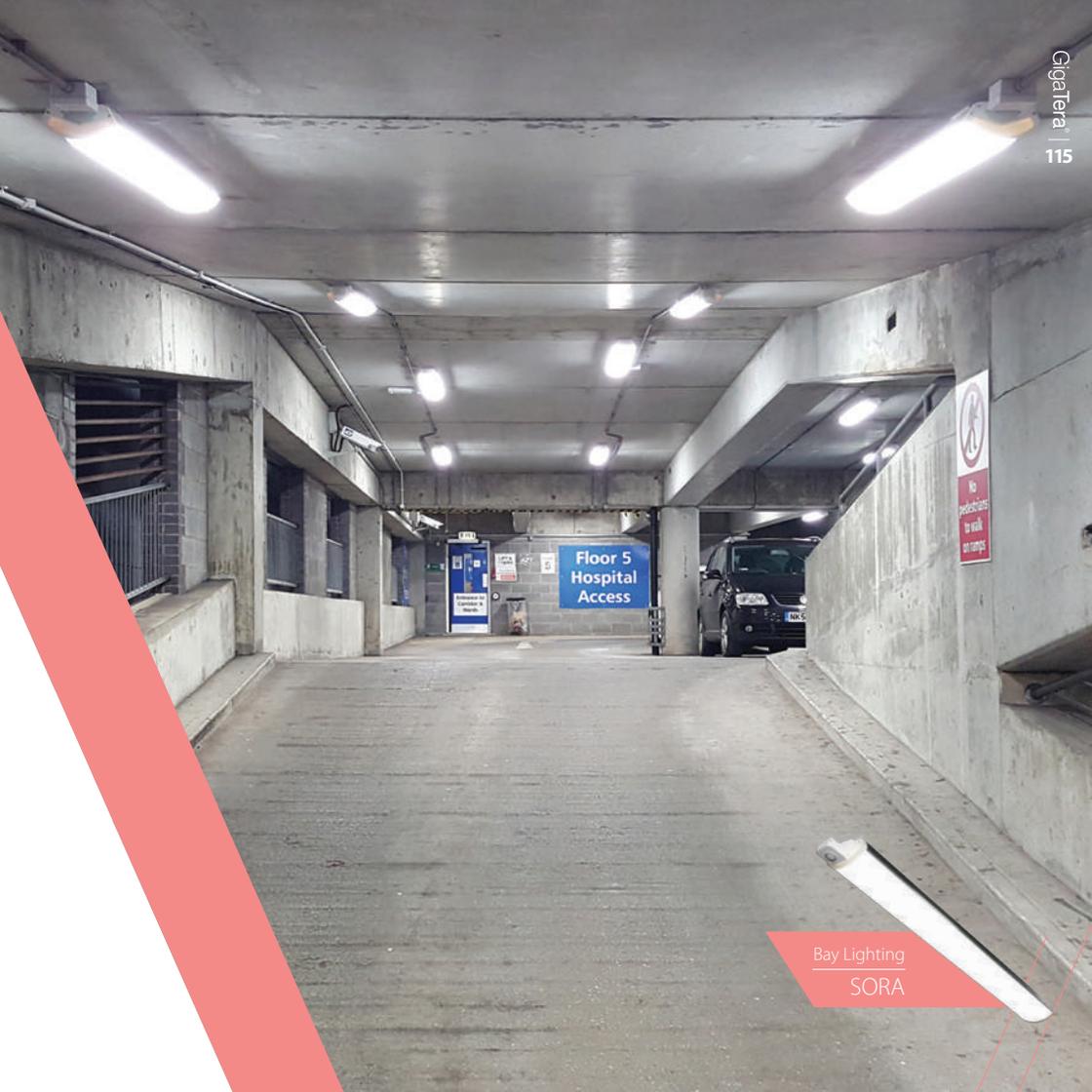
Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	LN 130	130W	1,210ea	157.3kW
Illuminance Data	Avg.			
	364 lx			

# Freeman Hospital Parking Facility in UK



GigaTera product has been installed at the Freeman Hospital located in New Castle, England. 620 units of SORA 40W product with diffuser plate type motion sensors built in were installed.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SR 40	40W	620ea	24.8kW



Bay Lighting  
SORA





Bay Lighting  
SEGA

07

# Jangan Girls Middle School Gym in Suwon, Korea



Gigatera's domestic partner Agro has installed SEGA 150W products in a newly construction gym of Jangan Girls Middle School, located in Hwaseong. After this installation, the average luminance of the gym was measured to be 606 lx, which received strongly positive feedback from the client, according to our partner company.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 150	150W	-	-
Illuminance Data	Avg.			
	606 lx			

# Kongrung Middle School Gym in Korea



SEGA 160W products applied at an interior basketball court in Seoul, South Korea, achieve through just 28 units an average of 550 lux or 51 foot-candles. Designed for cutting edge aesthetics and performance, this product series exhibits optimal performance for both warehouse and indoor gym applications.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 160	160W	28ea	4.48kW
Illuminance Data	Avg.			
	550 lx			



Bay Lighting  
SEGA



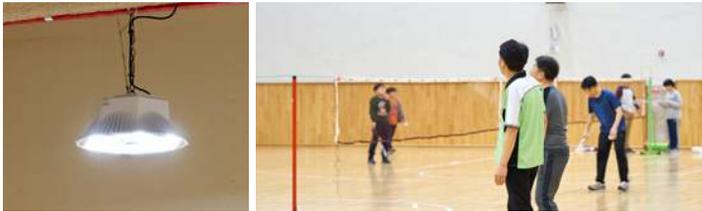


Bay Lighting  
SEGA



09

# Taeon WP Multi-purpose Venue in Korea



Here is an example of an indoor arena illuminated with SEGA's. This multipurpose facility can be used as a badminton court or a basketball court depending on the facility's schedule. SEGA 100W and 150W combine to provide optimal and elegant illumination.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 100	100W	35ea	3.5kW
	SE 150	150W	4ea	600W
Illuminance Data	Court #1 Avg.	Court #2 Avg.	Court #3 Avg.	Court#4 Avg.
	588 lux	630 lux	616 lux	604 lux

# Dongwon Steel in Czech Republic



This project was for a factory located in the Czech Republic, but run by a multi-national automotive parts company that supplies to automakers such as Hyundai Motors, Kia Motors, and Toyota. An analysis was conducted to clear up the ongoing quality issues the factory was having and it was determined that poor lighting that did not meet industry standards was one of the root causes.

This project is an example of achieving superb results beyond basic requirements by replacing existing metal halide lighting products with the GigaTera LED bay lighting system.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 160	160W	330ea	52.8kW
Illuminance Data	Avg.			
	597 lx			



Bay Lighting  
SEGA





Bay Lighting  
SEGA

11

# Yongma Logis in Korea



A newly constructed logistics center located in Anseong-si, Gyeonggi-do, South Korea, as an example of the ideal work environment possible through the SEGA series.

Though the products have been in use for over a year, the center reports zero failures and credits this as ideal for facilities with never-ending operations because of the elimination of the need for continual maintenance until the end of the product lifetime, which is over 50,000 hours. The newly illuminated plant provides an unprecedented level of workplace safety and pleasantness through proper daylighting's promotion of natural color and vision.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SE 100	100W	455ea	45.5kW

# SLX Logistics Center in Korea

12



A newly constructed logistics center located at Icheon-si, Gyeonggi-do, South Korea, is now being illuminated by the EFL. The product maintains its high efficiency while eliminating glare through an optional diffused lens system for ideal industrial illumination.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
EFL 100	100W	1,128ea	112.8kW



Bay Lighting  
EFL

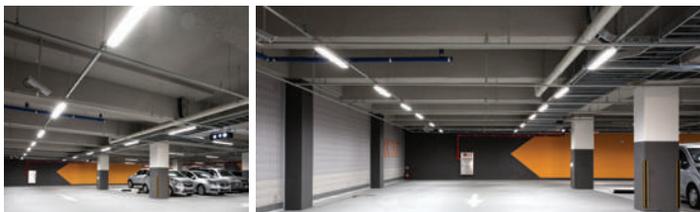




Indirect Tube Lighting  
I-Tube

## 13

# The Underground parking structure of Sebang R&D in Korea



This is an installation case of I-Tube in the underground parking structure of Sebang R&D in Korea.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
ITB 16	16W	97ea	1.6kW

# Food Court in Korea



This is an installation case of I-Tube in the Food Court.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	ITB16	16W	128ea	2kW



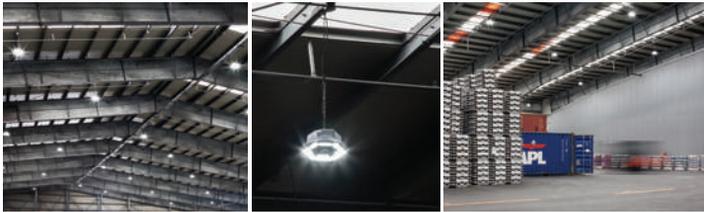
Indirect Tube Lighting  
I-Tube



Bay Lighting  
SEGA / WAPA

15

# LME Logistics center in Gamcheon, Korea



LME's warehouse has completed the installation of SEGA to add onto the existing skylights for the ideal illumination levels to create the most pleasant industrial work environment for the company's staff. The SEGA ensures the most elegant and efficient way to supplement the lighting received through the skylights.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 130	130W	147ea	19.1kW
	WP 100	100W	8ea	800W
Illuminance Data	Avg.			
	550 lx			

# SBNL Logistics center in Korea

16



The installation has been completed for a warehouse in a new port in the City of Busan, South Korea. The highest point is at the middle of the warehouse and is 15M from the ground. The SEGA was installed at a height of 12M from the ground with just 130W for a satisfactory level of uniform illumination. The exterior of the building has installed WAPA 100W to promote better visibility and nighttime safety.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 130	130W	181ea	23.5kW
	WP 100	100W	45ea	4.5kW
Illuminance Data	Avg.			
	430 lx			



5C

6A

Bay Lighting  
SEGA / WAPA

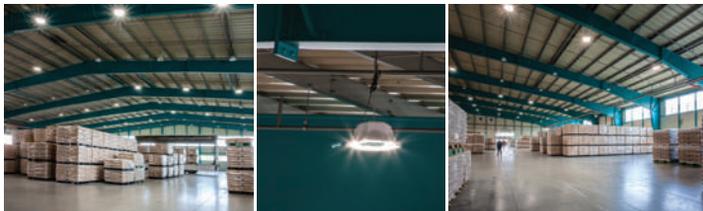




Bay Lighting  
SEGA / WAPA

17

# Gwangyang Logistics center in Korea



The SEGA lineup, with various wide beam angle options and a high efficiency level of 130 lm/W, is designed to provide optimized performance for warehouse spaces. Located in Gwangyang, South Korea, this logistics center is being evaluated for a higher property value due to the improvements in the brightness and uniformity of its new lighting design through the estimated 300 units of SEGA in use. The height of the ceilings range from 7M high at the edges of the buildings to 11M at the center of the building.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SE 130	130W	282ea	36.7kW
	WP 100	100W	12ea	1.2kW
Illuminance Data	Avg.			
	487 lx			



---

***Roadway*** *Lighting*



Roadway Lighting  
META

01

# NPE Highway in Malaysia



A 19.6km section of highway was constructed from the south side of Kuala Lumpur the capital of Malaysia to the Subang Jaya region to relieve the traffic congestion on the south side of Kuala Lumpur.

The government office that placed the order requested that in replacing the lighting with LED lighting, the luminance value be increased, not only to save energy when compared to the existing lighting, but to provide a pleasant environment for drivers.

Install Data	Model Name	Power Consume	Install Site
	MT 150	150W	NPE Highway
	MT 180	180W	NPE Highway Phase2
Illuminance Data	Avg.		
	4.810 cd/m <sup>2</sup>		

# LEKAS Highway Phase 1 in Malaysia



A 25km section of highway was constructed from the Kuala Lumpur the capital of Malaysia to the Johor Bahru region to relieve the traffic congestion.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	MT180	180W	-	-
Illuminance Data	Avg.			
	2,533 cd/m <sup>2</sup>			



Roadway Lighting  
META





Roadway Lighting  
SETA



03

# SLX Logistics Center in Korea



Located in Dukpyeong in Gyeonggi-do Province, South Korea, this logistics center has installed SETA exterior lights to provide a clean and elegant way to light up its newly constructed sites. Other categories of lighting such as EFL and WAPA have been used for this site.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SET 060	60W	44ea	2.64kW

# Sihanoukville in Cambodia

04



This is an installation case of 10 units of SETA 100W and 2 units of Seagull installed in Sihanoukville in eastern Cambodia.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SET 100	100W	10ea	1kW



Roadway Lighting  
SETA





Roadway Lighting  
META

## 05

# Yonghwang Region New City in Gyeongju



This is an installation case of META 150W at the Yonghwang Region New City in Gyeongju. The META 150W, which was installed across the new city region, not only dramatically reduced energy consumption, but also is receiving favorable reviews from on-site persons involved that the brightness is better than was expected.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
MT 150	150W	-	-

# Tohamsan Recreation Forest in Korea



GigaTera's domestic partner company AGRO has installed NM products near the seminar rooms within the recreational forest of Tohamsan, located at the foot of the mountain in the internationally famed tourist destination of Gyeongju-city. This installation project involved the installation of 13 units of the 70W NM products on lamp posts that were 6.5 M tall.

After the product installation, Gyeongju gave us positive feedback, noting that the NM product with 360-degree light distribution did not harm the surrounding scenery and the product design harmonized with the natural environment.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	NM 70	70W	13ea	910W
Illuminance Data	Avg.			
	17 lx			



Roadway Lighting  
NM



Roadway Lighting  
GIWA

07

# Private House in Korea



This is an installation case of GWA in the Private House.

Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
GIW100	100W	-	-



---

***IT Converged** Lighting*

# Round Rock City in Texas, USA



This trial installation case using the GigaTera Smart Roadway System along a main road in Round Rock, Texas, USA displayed the successful establishment of a next generation communications solution (Small Cell) that includes lighting, security and safety and is receiving rave reviews from locally involved individuals and the press.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	META-Whistle	150W	39ea	5.8kW
	SPES-SETA	120W	4ea	480W



IT Converged Lighting  
META-Whistle/SPES-SETA

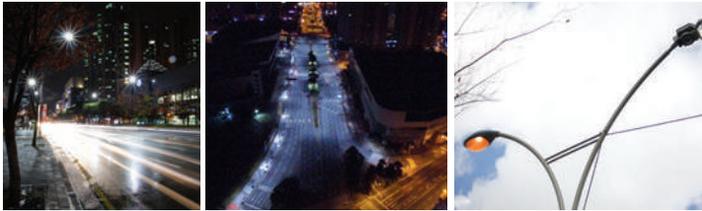




IT Converged Lighting  
SPES-SETA

## 02

# Busan Smart City in Korea



GigaTera's SPES-SETA product was installed in a section of Centum City along about 300 meters of road, and together with department store and hypermarkets that went in nearby it is located across the street from the BEXCO international exhibition center, where there is much foot traffic and nearby landmark buildings. It could be said to have the optimal conditions for a test bed.

2 units of SPES-SETA, and 2 units of SETA (LT) have been installed along the median and both sides of the 12 lane road, and 2 units of SPES-SETA were installed along the median lane. The total 39 units of SPES-SETA and 22 units of SETA were installed.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SPES-SETA	120W	39ea	4.68kW

# Toshkent, the capital of Uzbekistan

03



This project consists of a road situation monitoring system where after installing 4 units of SPES-SETA to the main road stretching from the city center to the airport, they were grouped together into a network.

The installation models include the SPES-SETA 100W products, and are equipped with a 125 lm/W luminous efficiency streetlight and PTZ dome network camera function, and the filmed video data is transmitted via Wi-Fi transmission in real time to the control center.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SPES-SETA	120W	4ea	480W



ben  
kelibsiz

Welcome

IT Converged Lighting  
SPES-SETA





IT Converged Lighting  
META-Whistle / SPES-SETA



## 04

# Ulsan KTX Station in Korea



Located near the KTX station in Ulsan, South Korea, GigaTera IT-Converged streetlights META-Whistle and SPES-SETA have been installed. To preserve an optimal view of the night sky, both lights exhibit superior light distribution cutoffs to prevent light leaking upwards into the sky.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	META-Whistle	-	-	-
	SPES-SETA	-	-	-

# Sebang R&D Center in Korea

05



Located in Anyang-si, Gyeonggi-do, South Korea, the newly constructed R&D Center of Sebang Co., is a total solution case of GigaTera lighting.

Security is prioritized at this research center and this focus has been bolstered with SETA and SPES-SETA for the benefits of security lighting and IT-convergence.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SPES-SETA	120W	4ea	480W
	SET 100	100W	16ea	1.6kW



IT Converged Lighting  
SPES-SETA





IT Converged Lighting  
SPES2

06

# Seongju Forest Outside the Castle Cultural Park



10 units of SPES2 and 2 units of SPES-AirLink have been installed in Seongju-gun, North Gyeongsang Province consisting of a complete wireless linked environment.

The SPES 2 product makes remote connection monitoring possible via smart device, and is a 'integrated safety + security, crime prevention solution' convergence product that shoots high-definition footage in Full HD using 2 network cameras.

The SPES2 product was installed in a man made forest known as the "forest outside the castle" located in Seongju-gun that has a colony of 55 Red Leaf Willows that are between 300 and 500 years old.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SPES2-080-E	100W	10ea	1kW

# Seoul National University of Science and Technology

07



This is an installation case of the SPES product for the security controls of the National University of Science and Technology in Seoul.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SPES70W	80W	-	-



IT Converged Lighting  
SPES



IT Converged Lighting  
SPES

08

# Kwangwoon University in Korea



This is an installation case of the SPES product for the security controls of the Kwangwoon University in Korea.

Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SPES70W	80W	4ea	320W



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***Landscape*** Lighting



Landscape Lighting  
SEAGULL

01

# Hamdeok Beach Beach in Jeju Island, Korea



This is an installation case of the Seagull product along a sidewalk path in a park at Hamdeok Beach located in Jeju which received favorable reviews from visitors who appreciate how it is well suited to the beautiful sea.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
SG 130	130W	-	-

# Private Garden in Korea



Eagle 150W product installed in a residential yard in Gyeonggi-do, Korea

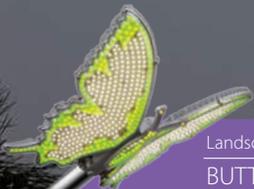
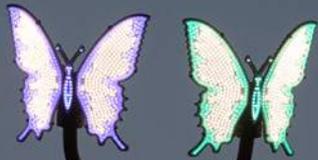
Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	EG 150	150W	-	-



Landscape Lighting

EAGLE





Landscape Lighting  
BUTTERFLY

## 03

# Private Garden in Korea



This is an installation case of the Butterfly product in a residential yard in Gyeonggi-do, Korea

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
BF 110	110W	-	-

# Private Garden in Korea



Seagull 130W product installed in a residential yard in Gyeonggi-do, Korea

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	SG 130	130W	-	-



Landscape Lighting  
SEAGULL





---

***Commercial*** Lighting



Commercial Lighting  
TERA

01

# KORTEK Office in Songdo, Korea



This is an installation case of the TERA 032 product at the KORTEK Office of the Songdo in Korea.

Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
TER 032	32W	-	-

# Office Space Lighting Renewal

02



Obsolete office lights have been replaced with new LED's through an initial lighting trial and subsequent full swap on the 9th and 12th floors of an 8 years old building. Work environment, eco-friendly corporate image and energy usage levels have been optimized or enhanced.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	TER 022	22W	1,016 ea	23.7kW
	LTB 016	16W	84 ea	



Commercial Lighting  
TERA





Commercial Lighting  
TERA

03

# Seocho High School in Korea



Before the lighting upgrade, the 12 classrooms for 2nd year students at Seocho High School had used 12 units of 64W (32W x 2 units) of recessed fluorescent tube lit panels. Research conducted targeting students studying in this environment revealed that most students had experienced some sort of side effects such as headaches. The complaints were pointed to the reflected glare and flickering phenomenon of fluorescent lighting.

GigaTera's Korean domestic partner, BlueKite, sought to address these problems with the proposal of the ideal indoor lighting solution, TERA, which offers an indirect and flicker-free lighting. These upgrades were made at a 1:1 ratio.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	TER 032	32W	288 ea	9.2kW
Illuminance Data	Avg.			
	940 lx			

# WONIK(XIAN) SEMI CONDUCTOR TECHNOLOGY CO.,LTD



Wonik (Xian) Semiconductor chose the LED lights made by GigaTera [G+] for improvement of lighting across all sections of the company.

Based on detailed on-site investigations (in offices, meeting rooms, and workrooms) and researches, GigaTera[G+] proposed to Wonik (Xian) Semiconductor a lighting solution capable of saving energy and improving brightness at the same time. Lighting products made by GigaTera [G+] boast features and aesthetic exteriors far superior to those of its competitors that provide users with a pleasant and environment -friendly lighting environment.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	TER 032	32W	1,210 ea	38.7kW
Illuminance Data	Avg.			
	639 lx			



Commercial Lighting  
TERA



AP Microeconomics

IB 112 Economics

IB 112 Economics posters:

- Balance of Payments
- Globalization
- International Competition
- Should the IMF... (partially visible)
- THE PROTECTIVE ROLE OF PROTECTION (partially visible)



Commercial Lighting  
TERA

## 05

# International School in Indonesia



GigaTera Indonesian partner company, SUI has introduced to JIS International School TERA 32W as a 1 for 1 upgrade for their existing 56W fluorescent lights.

This upgrade has achieved 43% in energy savings while improving measured brightness by about 35%. However, evaluation from the school's staff report that the improvement in brightness actually seems to be more acute when experienced in person.

Also, the benefits of higher overall uniformity of lighting in the classroom ensure optimal classroom lighting setup.

Install Data	Model Name	Power Consume	Fixture Quantity
	TER.032	32W	9ea (per classroom)
Illuminance Data	Avg.		
	429 lx		

# Sebang R&D Center in Korea

06



Located in Anyang-si, Gyeonggi-do, South Korea, the newly constructed R&D Center of Sebang Co., is a total solution case of GigaTera lighting. The interior of the facility has been lit with GAGA downlights and TERA panel lights.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
TER 032	32W	20ea	640W
GAG 015	15W	50ea	750W

SEBANG R&D CENTER

Commercial Lighting  
TERA / GAGA





Commercial Lighting  
GAGA

07

# Restaurant in Korea



This is an installation case of replacing the lighting in a restaurant located in Suwon, Korea with GigaTera's downlight, the GAGA 10W product reducing energy usage and greatly increasing luminance enlivening the overall atmosphere of the hall.

In particular a more elegant restaurant atmosphere was created with the installation of a diffuser that displays a soft lighting.

## Install Data

Model Name	Power Consume	Fixture Quantity	Total Power
GAGA 010	10W	75 ea	750W

# Sogang University in Korea

08



The recessed panel lighting of Sogang University located in Korea was replaced with Verona 40W which resulted in energy reduction and an improvement in the office environment.

Install Data	Model Name	Power Consume	Fixture Quantity	Total Power
	VR 140-40	40W	-	-



Commercial Lighting  
VERONA





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