Standard Genius™ LED General Light

- Flexible and reliable, a light for all projects.

- Only LED light in the world can replace 1000W HID.

Pendent Light
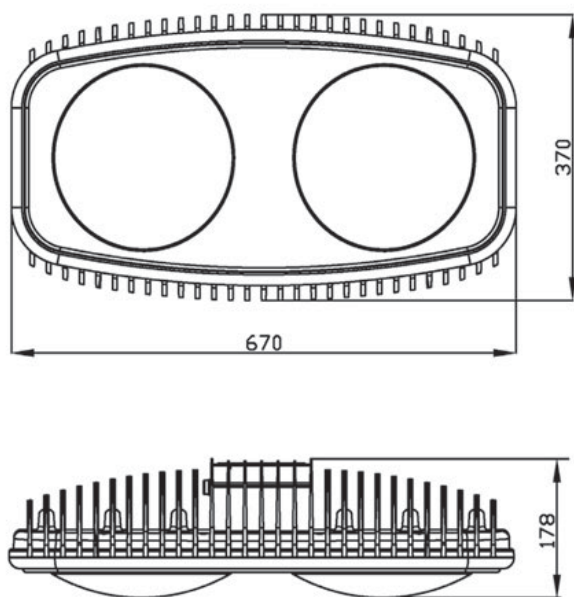

Floodlight

Street Light

Floodlight

Location: National Road, Greece
Item: 210W LED Street Light, ZHGL-210A

ISO **9001**   C E   TÜV SÜD   c (UL) us PENDING   RoHS Compliant

Standard Genius™ LED General Light

Features & Characteristic:

- Patent multi- function design, suitable for all projects
- 5-5-10 year warranty
- Osram/Cree LED chips, 120 lm/w system efficiency*
- 80% lumen maintenance over 50,000hours
- 0-10Vdc dimming driver available
- Photocell sensor system available
- Built-in surge protection
- Built-in thermal protection
- Maintenance free
- Mercury free, No UV or IR
- Universal input without additional adapter, 80-315Vac, 80-400Vdc
- Instant start and flicker free
- High uniformity and color rendering

Typical Application:

Street | Bridge | Architecture | Warehouse | Stadium | Tunnel | Garden | Parking | Billboard | Plaza | Show Room | Factory | Shopping Mall | Petrol Station | Conference Centers | Cold Storage | Floodlighting

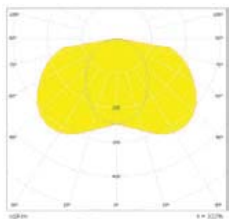| Model:		ZHGL-210A	ZHGL-270A	ZHGL-400A
Power Consumption:	LEDs:	189W	243W	360W
	Driver:	21W	27W	40W
	Total:	210W	270W	400W
Initial Lumen Flux:		25200 lm	32400 lm	48000 lm
Replace HID Lamp:		400-500W	500-600W	600W-1000W
Dimension:		670x370x180mm		
Net Weight:		13kg (28.6lbs)		
Color Temperature:		4000K (warm white) / 6000K (cool white)		
Color Rendering:		≥Ra75		
Working Life:		≥50000Hrs		
Housing Material:		Aluminum		
Coating:		Zinc Rich Paint		
IP Class:		IP 65 (Upgradeable to IP 67)		
Insulation Class:		Class I (Upgradeable to Class II)		
Working Temperature:		-40C ~ 60C / -40F ~ 140F		
Working Humidity:		10% ~ 95%		
AC Input:		80 ~ 315Vac, (347Vac available on request)		
DC Input:		80 ~ 400Vdc, (12Vdc, 24Vdc and other input available on request)		
THD:		<10%		
Power Factor:		≥0.98		
Warranty:	LED Module:	5 year		
	Driver:	5 year		
	Housing:	10 year		

* 120lm/w only initial flux efficiency for the 6000K LED with 120° and 60° Lens.

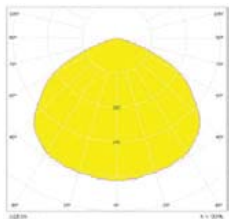## Standard Genius™ LED General Light

Accessories & Control Systems:

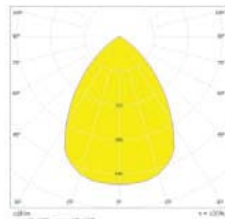|	Part Number	Description
	ZHGL-BR-SL	Standard Genius street light clamp
	ZHGL-BR-FL	Standard Genius flood light bracket
	ZHGL-BR-PL	Standard Genius pendent light bracket
	-PS	Photocell sensor system
	-DM	0-10vdc dimming driver

Beam Available:

140° x 60° Lens (Polycarbonate)   120° Lens (Tempered glass)   60° Lens (Tempered glass)

Order Code: ZHGL-400A-6K-L60-ND-220Vac-3Y

ZHGL	- XX	- XX K	- L XX	- XX	- XX	-XX
Model						
Color	K = Thousand Kelvin					
Beam	L = Beam Angle					
Control	ND = Standard	DM = 10Vdc Dimming	PS = Photo Sensor			
Input	220Vac = 80-315Vac	347Vac = 100-380Vac	12Vdc = 10-20Vdc	24Vdc = 20-40Vdc		
Warranty	3Y = 3 Year Warranty	5Y = 5 Year Warranty				

Compact Genius™ LED General Light
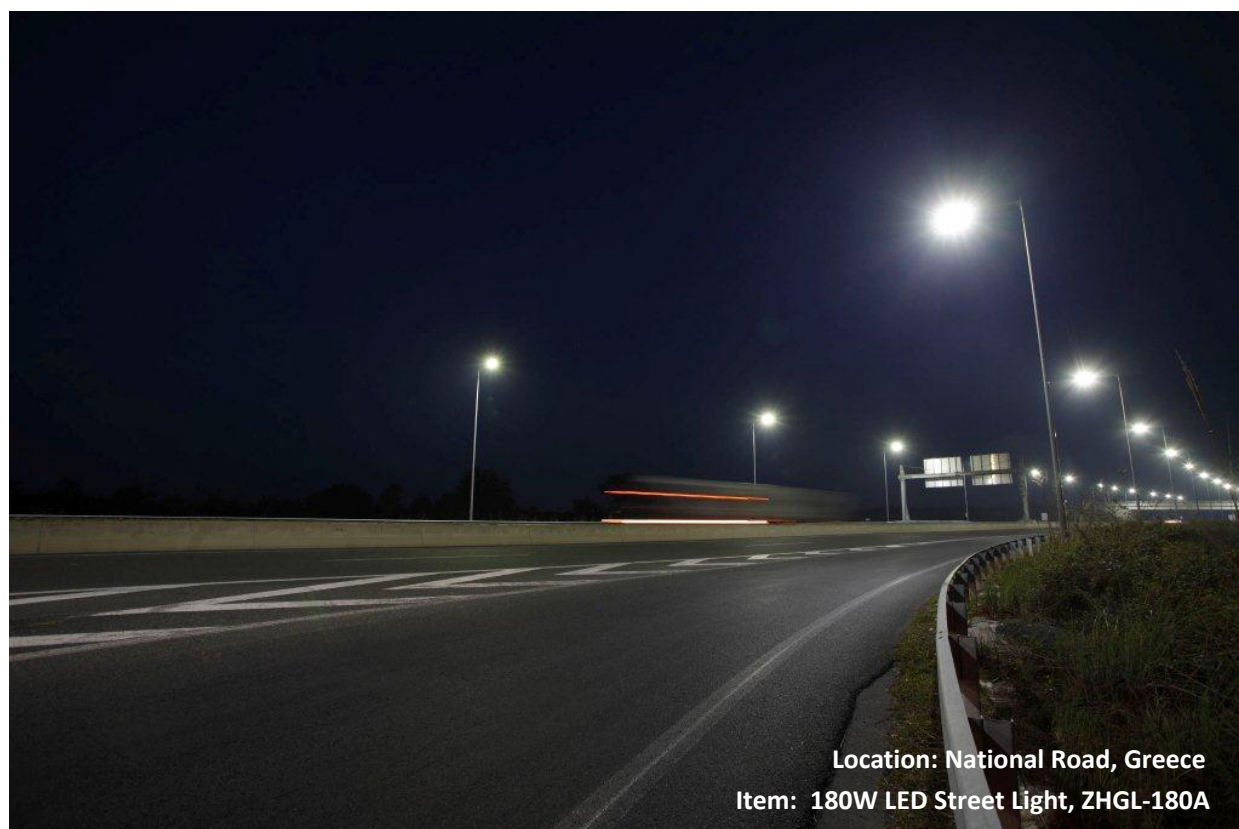

Floodlight
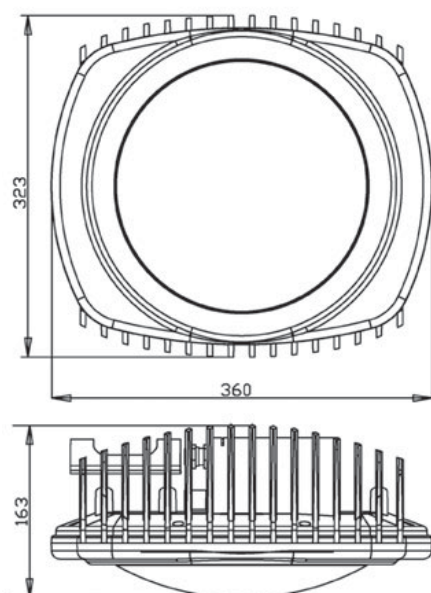

Street Light

Pendent Light

Location: National Road, Greece
Item: 180W LED Street Light, ZHGL-180A

Compact Genius™ LED General Light

Features & Characteristic:

- Patent multi- function design, suitable for all projects
- 5-5-10 year warranty
- Osram/Cree LED chips, 120 lm/w system efficiency*
- 80% lumen maintenance over 50,000hours
- 0-10Vdc dimming driver available
- Photocell sensor system available
- Built-in surge protection
- Built-in thermal protection
- Maintenance free
- Mercury free, No UV or IR
- Universal input without additional adapter, 80-315Vac, 80-400Vdc
- Instant start and flicker free
- High uniformity and color rendering

Typical Application:

Street | Bridge | Architecture | Warehouse | Stadium | Tunnel | Garden | Parking | Billboard | Plaza | Show Room | Factory | Shopping Mall | Petrol Station | Conference Centers | Cold Storage | Floodlighting

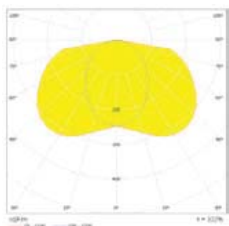| Model:		ZHGL-30A	ZHGL-60A	ZHGL-90A	ZHGL-120A	ZHGL-150A	ZHGL-180A
Power Consumption:	LEDs:	25 W	50W	80W	108W	135W	162W
	Driver:	5W	10W	10W	12W	15W	18W
	Total:	30W	60W	90W	120W	150W	180W
Lamp Efficiency:		3600 lm	6600 lm	10800 lm	14400 lm	18000 lm	21600 lm
Replace HID Lamp:		50-100W	100-150W	150-250W	250-300W	300-400W	400-500W
Dimension:		360x323x163mm					
Net Weight:		8kg (17.6lbs)					
Color Temperature:		4000K (warm white) / 6000K (cool white)					
Color Rendering:		≥Ra75					
Working Life:		≥50000Hrs					
Housing Material:		Aluminum					
Coating:		Zinc Rich Paint					
IP Class:		IP 65 (Upgradeable to IP 67)					
Insulation Class:		Class I (Upgradeable to Class II)					
Working Temperature:		-40C ~ 60C / -40F ~ 140F					
Working Humidity:		10% ~ 95%					
AC Input:		80 ~ 315Vac, (347Vac available on request)					
DC Input:		80 ~ 400Vdc, (12Vdc, 24Vdc and other input available on request)					
THD:		<10%					
Power Factor:		≥0.98					
Warranty:	LED Module:	5 year					
	Driver:	5 year					
	Housing:	10 year					

* 120lm/w only initial flux efficiency for the 6000K LED with 120° and 60° Lens.
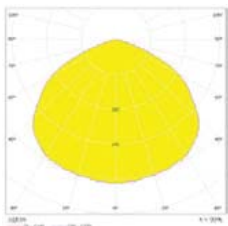
Compact Genius™ LED General Light

Accessories & Control Systems:

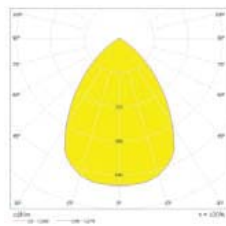|	Part Number	Description
	ZHGLC-BR-SL	Compact Genius street light clamp
	ZHGLC-BR-FL	Compact Genius flood light bracket
	ZHGLC-BR-PL	Compact Genius pendent light bracket
	-PS	Photocell sensor system
	-DM	0-10vdc dimming driver

Beam Available:

140° x 60° Lens (Polycarbonate)   120° Lens (Tempered glass)   60° Lens (Tempered glass)

Order Code: ZHGL-180A-6K-L60-ND-220Vac-3Y

ZHGL	- XX	- XX K	- L XX	- XX	- XX	-XX
Model						
Color	K = Thousand Kelvin					
Beam	L = Beam Angle					
Control	ND = Standard	DM = 10Vdc Dimming	PS = Photo Sensor			
Input	220Vac = 80-315Vac	347Vac = 100-380Vac	12Vdc = 10-20Vdc	24Vdc = 20-40Vdc		
Warranty	3Y = 3 Year Warranty	5Y = 5 Year Warranty				

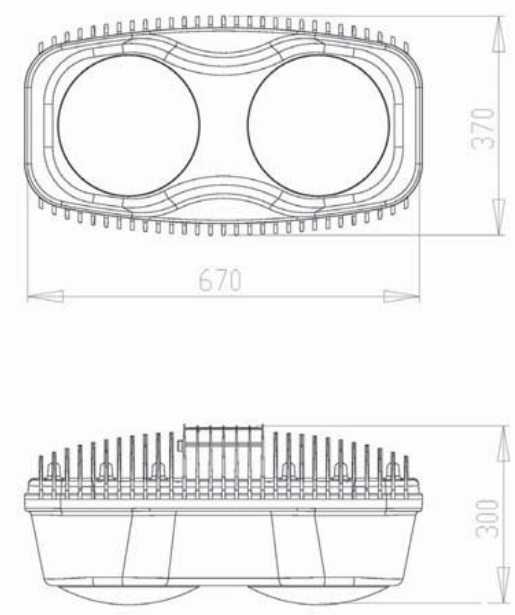# Standard Genius™ LED Projection Light

- 20° beam angle for long distance projection lighting applications

- Flexible and reliable, Genius™ mounting system

- Only LED light in the world can replace 1000W HID.

Location: Hockey Field, Germany
Item: 400W LED Projection Light, ZHGL-400P

ISO **9001** CE

LUCAS LED
Ipsiladou 6, Kozani 50100, Greece
Te: +3024610-285847

Standard Genius™ LED Projection Light

Features & Characteristic:

- 20° beam angle for long distance projection lighting applications
- Patent multi- function design, suitable for all projects
- 5-5-10 year warranty
- Osram/Cree LED chips, 110 lm/w system efficiency*
- 80% lumen maintenance over 50,000hours
- 0-10Vdc dimming driver available
- Photocell sensor system available
- Built-in surge protection
- Built-in thermal protection
- Maintenance free
- Mercury free, No UV or IR
- Universal input without additional adapter, 80-315Vac, 80-400Vdc
- Instant start and flicker free
- High uniformity and color rendering

Typical Application:

Street | Bridge | Architecture | Warehouse | Stadium | Tunnel | Garden | Parking | Billboard | Plaza | Show Room | Factory | Shopping Mall | Petrol Station | Conference Centers | Cold Storage | Floodlighting

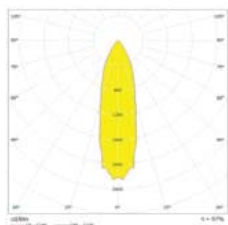| Model:		ZHGL-210P	ZHGL-270P	ZHGL-400P
Power Consumption:	LEDs:	189W	243W	360W
	Driver:	21W	27W	40W
	Total:	210W	270W	400W
Initial Lumen Flux:		23100 lm	29700 lm	44000 lm
Replace HID Lamp:		400-600W	600-800W	800W-1000W
Dimension:		670x370x300mm		
Net Weight:		16kg (35lbs)		
Color Temperature:		4000K (warm white) / 6000K (cool white)		
Color Rendering:		≥Ra75		
Working Life:		≥50000Hrs		
Housing Material:		Aluminum		
Coating:		Zinc Rich Paint		
IP Class:		IP 65 (Upgradeable to IP 67)		
Insulation Class:		Class I (Upgradeable to Class II)		
Working Temperature:		-40C ~ 60C / -40F ~ 140F		
Working Humidity:		10% ~ 95%		
AC Input:		80 ~ 315Vac, (347Vac available on request)		
DC Input:		80 ~ 400Vdc, (12Vdc, 24Vdc and other input available on request)		
Power Factor:		≥0.98		
Warranty:	LED Module:	5 year		
	Driver:	5 year		
	Housing:	10 year		

* 110lm/w only initial flux efficiency for the 6000K LED.

Standard Genius™ LED Projection Light

Accessories & Control Systems:

	Part Number	Description
	ZHGL-BR-SL	Standard Genius street light clamp
	ZHGL-BR-FL	Standard Genius flood light bracket
	ZHGL-BR-PL	Standard Genius pendent light bracket
	-PS	Photocell sensor system
	-DM	0-10vdc dimming driver

Beam Available:

20° Lens (Tempered glass)

Order Code: ZHGL-400P-6K-L20-ND-220Vac-3Y

ZHGL	- XX	- XX K	- L XX	- XX	- XX	-XX
Model						
Color	K = Thousand Kelvin					
Beam	L = Beam Angle					
Control	ND = Standard	DM = 10Vdc Dimming	PS = Photo Sensor			
Input	220Vac = 80-315Vac	347Vac = 100-380Vac	12Vdc = 10-20Vdc	24Vdc = 20-40Vdc		
Warranty	3Y = 3 Year Warranty	5Y = 5 Year Warranty				