Lumedgo

Professional LED lighting solution

Who we are

Lumedgo Power Technology Co., Ltd. was established in 1998, before 2006 we were one of the most advanced provider of power supply and we worked with many important companies in Asia, including China Guodian, China Mobile, and Comba Telecom etc.

In 2006 we moved to LED lighting industry, adopting the technology and experience developed from our electronic and thermal control towards the R&D, manufacture, sales and service of LED lighting. We quickly became one of the leading and most professional LED lighting companies in China.

The Lumedgo philosophy

Technology and quality are always playing key roles in the Lumedgo philosophy, we are proud to hold the "Lumedgo LED Lighting Engineering Laboratory" which is authorized and supported by China National Development and Reform Commission. Alongside this, we hold the "Lumedgo LED Lighting Technology and Research Center" which is authorized and supported by China National Science and Technology Ministry.

Till 2014 we have 384 patents and more than 300 patents are pending, the patents include the LED chips packaging, power supply controlling and design of lamp housing. We worked with ISO-9001 quality control system since 2001, the products are UL, TUV, CE, SAA, C-tick and RoHS certificated.

To be professional is the key to success

We have more than 10 professors and doctors in our company R&D department, and more than 30% of our employees have bachelor's degree or higher. All of our staff receive the highest standard of training.

As experienced LED lighting specialists, we offer our customers more than just the delivery of reliable and top performance LED lighting products. Our focus and the services we provide have enabled us to build an excellent relationship with our market. Our team of lighting designers play an important role in this. The service consists of two different levels. The first level is our basic service that we offer in providing lighting technical advice for our customers. And based on the profile (lighting scheme) supplied, our specialists will present you a customized lighting plan by using the lighting calculation software.

Lighting the way

Whether it is an infrastructural project, port, motorway, tunnel, urban roads, residential area, underpass, parking area, city center or even a greenhouse, all of your requirements will be taken into account and translated in a perfect lighting performance solution, including Lumedgo LED models, column distance and positioning and lighting class and most efficient energy consumption.

We supply lighting products and service to many important projects around the world, Lumedgo LED solutions have been used on airports, sea ports, heavy industries, big commercial buildings, warehouses and logistic centers, streets, bridges, sport fields and arenas and many other not only industrial and commercial applications but also demanding and harsh environment.

Lumedgo will continue to expand our technology development and marketing reach, delivers more productivity and benefits to our customers as we continue to grow and makes our brands more distinct for our customers.
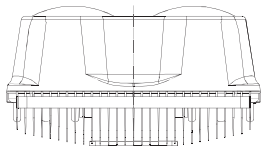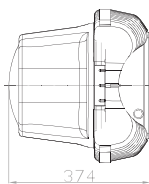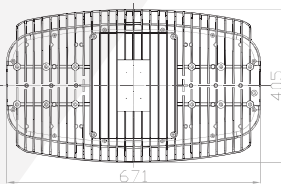
Lumedgo Optimum LED light

- Most powerful LED light released, ultra solution for professional applications
- 1,000W system power and 120,000 lumen, output 32 lux at 100 meters distance
- 360° flexible and reliable stainless steel mounting system
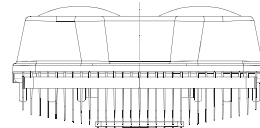- Distinguished by the red sealing line of Lumedgo

Typical application:

Sea Port | Airport | Bridge | Architecture | Industrial Facility | Stadium | High Mast | Plaza | Street | Professional Lighting

ZHGL-1000P-L15

405
671
374

ZHGL-1000P-L20

405
671
322

Features & Characteristic:

ZHGL-1000A-L60/120/140

405
671
204
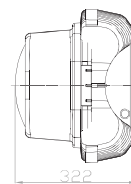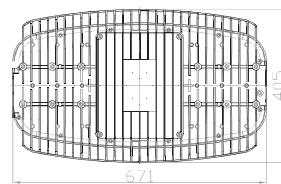
✦ 1,000W system power & 120,000 lumen

✦ 5 year warranty

✦ 80% lumen maintenance over 50,000hours

✦ 80-600Vac input voltage without additional adapter

✦ 0-10Vdc & DALI dimming driver available

✦ Photocell & motion sensor system available

✦ Built-in surge protection & thermal protection

✦ Maintenance free

✦ Mercury free, No UV or IR

✦ Instant start & flicker free

✦ High uniformity & color rendering index

LUMEDG
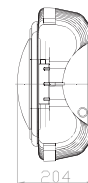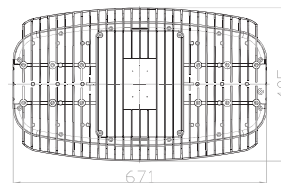
360° flexible stainless steel mounting system
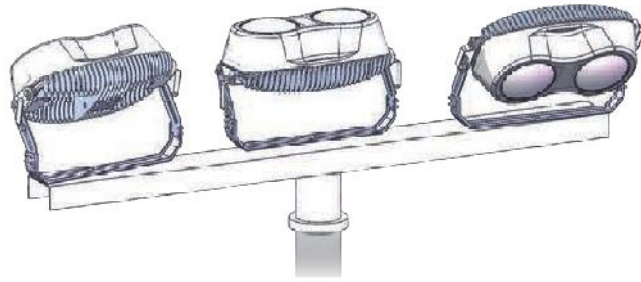
flood lighting   street lighting   pendent lighting

Lighting distribution

15°   20°   60°   120°   140°x60°

Protection cover available

Data sheet

Model		LM1000.15	LM1000.20	LM1000.60	LM1000.120	LM1000.140
Beam Angle		15°	20°	60°	120°	140°x60°
Stable Flux (5700K after 1 hour)		100,000 lm	105,000 lm	110,000 lm	120,000 lm	102,000 lm
Dimension		671x405x374mm	671x405x322mm	671x405x204mm		
Power Consumption	LEDs	900W				
	Driver	100W				
	Total	1,000W				
Replace HID Lamp		2000 ~ 3000W				
Net Weight		29kg (64lbs) with stainless steel floodlight bracket				
Color Temperature		5700K (2700 ~ 6500K available on request)				
Color Rendering		≥Ra75 (≥Ra80, ≥Ra90 available on request)				
Working Life		≥50000Hrs				
Housing Material		Aluminum				
Coating		Zinc Rich Paint				
IP Class		IP 65 (Upgradeable to IP 67)				
Insulation Class		Class I				
Working Temperature		-40 ~ 60C / -40 ~ 140F				
Working Humidity		10% ~ 95%				
AC Input		80 ~ 360Vac, 400 ~ 600Vac				
DC Input		100 ~ 400Vdc, 500Vdc ~ 800Vdc				
THD		<10%				
Power Factor		≥0.98				
Warranty	LED Module	5 year				
	Driver	5 year				
	Housing	10 year				

Data sheet

Model		LM800.15	LM800.20	LM800.60	LM800.120	LM800.140
Beam Angle		15°	20°	60°	120°	140°x60°
Stable Flux (5700K after 1 hour)		88,000 lm	88,000 lm	96,000 lm	100,000 lm	90,000 lm
Dimension		671x405x374mm	671x405x322mm	671x405x204mm		
Power Consumption	LEDs	720W				
	Driver	80W				
	Total	800W				
Replace HID Lamp		1500 ~ 2500W				
Net Weight		29kg (64lbs) with stainless steel floodlight bracket				
Color Temperature		5700K (2700 ~ 6500K available on request)				
Color Rendering		≥Ra75 (≥Ra80, ≥Ra90 available on request)				
Working Life		≥50000Hrs				
Housing Material		Aluminum				
Coating		Zinc Rich Paint				
IP Class		IP 65 (Upgradeable to IP 67)				
Insulation Class		Class I				
Working Temperature		-40 ~ 60C / -40 ~ 140F				
Working Humidity		10% ~ 95%				
AC Input		80 ~ 360Vac, 400 ~ 600Vac				
DC Input		100 ~ 400Vdc, 500Vdc ~ 800Vdc				
THD		<10%				
Power Factor		≥0.98				
Warranty	LED Module	5 year				
	Driver	5 year				
	Housing	10 year				

Model		LM600.15	LM600.20	LM600.60	LM600.120	LM600.140
Beam Angle		15°	20°	60°	120°	140°x60°
Stable Flux (5700K after 1 hour)		66,000 lm	66,000 lm	73,000 lm	76,000 lm	68,000 lm
Dimension		671x405x374mm	671x405x322mm	671x405x204mm		
Power Consumption	LEDs	540W				
	Driver	60W				
	Total	600W				
Replace HID Lamp		1000 ~ 2000W				
Net Weight		29kg (64lbs) with stainless steel floodlight bracket				
Color Temperature		5700K (2700 ~ 6500K available on request)				
Color Rendering		≥Ra75 (≥Ra80, ≥Ra90 available on request)				
Working Life		≥50000Hrs				
Housing Material		Aluminum				
Coating		Zinc Rich Paint				
IP Class		IP 65 (Upgradeable to IP 67)				
Insulation Class		Class I				
Working Temperature		-40 ~ 60C / -40 ~ 140F				
Working Humidity		10% ~ 95%				
AC Input		80 ~ 360Vac, 400 ~ 600Vac				
DC Input		100 ~ 400Vdc, 500Vdc ~ 800Vdc				
THD		<10%				
Power Factor		≥0.98				
Warranty	LED Module	5 year				
	Driver	5 year				
	Housing	10 year				

Standard Optimum LED general light

- Flexible and reliable, a LED light for all professional projects
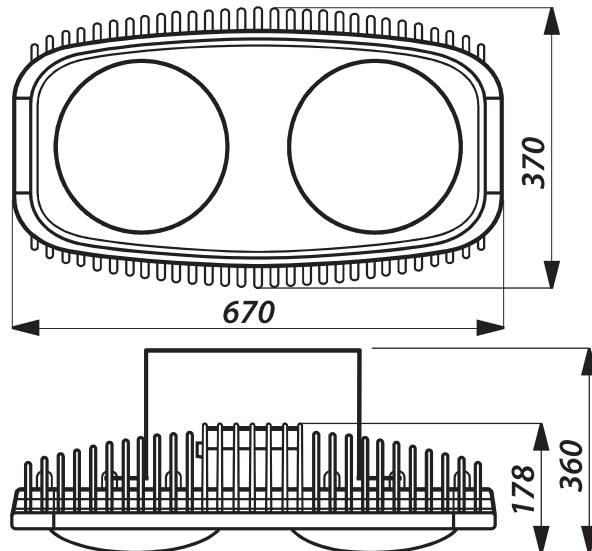- Only practical LED light for 1000W HID retrofit

Typical application:

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

Features & Characteristic:

*Patent multi- function design, suitable for all projects
*5-5-10 year warranty
*Top performance LED chips, 120 lm/w system efficacy
*80% lumen maintenance over 50,000hours
*0-10Vdc dimming driver available
*Photocell and motion sensor system available
*Built-in surge protection
*Built-in thermal protection
*Maintenance free
*Mercury free, No UV or IR
*Universal 80-347Vac input without additional adapter
*Instant start and flicker free
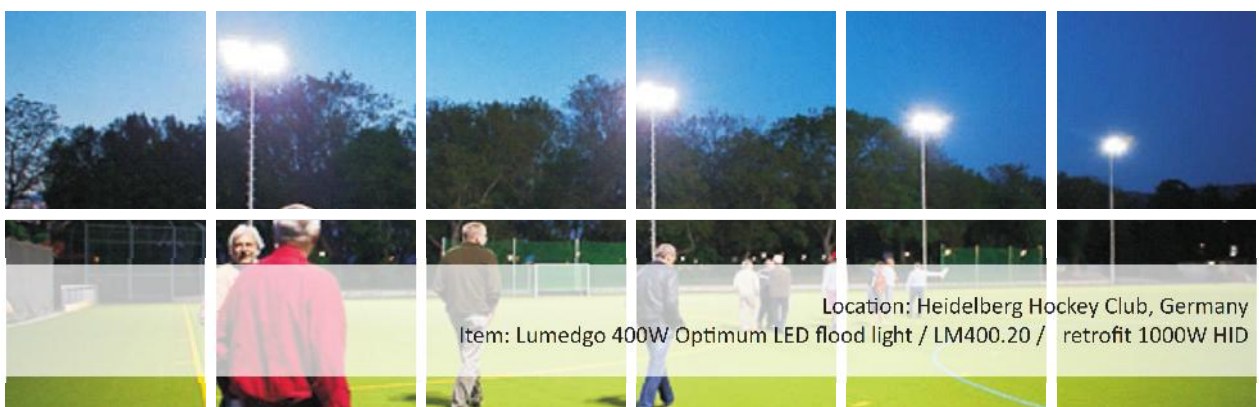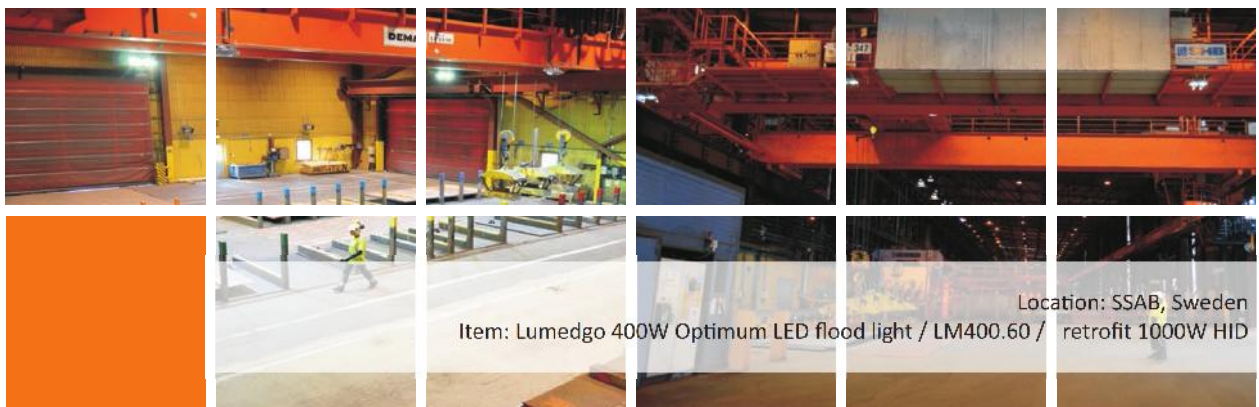*High uniformity and color rendering

Flexible mounting system

flood lighting   street lighting   pendent lighting
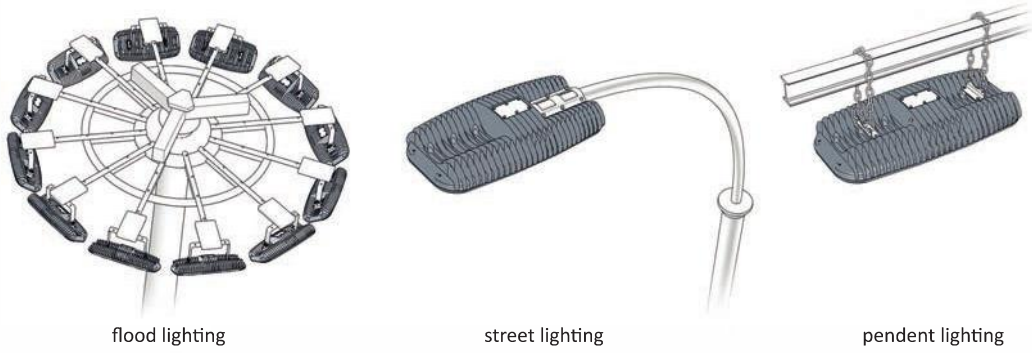
Lighting distribution

Data sheet

Model		LM400.60 LM400.120 LM400.140
Power Consumption	LEDs	360W
	Driver	40W
	Total	400W
Initial Lumen Flux (6000K)		48000 lm
Replace HID Lamp		1000-2000W
Dimension		670x370x180mm
Net Weight		18kg (39lbs)
Color Temperature		2000K - 6000K
Color Rendering		≥Ra80
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

Location: Kuala Lumpur International Airport, Malaysia
Item: Lumedgo 400W Optimum LED pendent light / LM400.60 / retrofit 1000W HID

Location: Amfi Shopping Center, Norway
Item: Lumedgo 400W Optimum LED flood light / LM400.120 / retrofit 1000W HID

Location: SSAB, Sweden
Item: Lumedgo 400W Optimum LED flood light / LM400.60 / retrofit 1000W HID

Location: Heidelberg Hockey Club, Germany
Item: Lumedgo 400W Optimum LED flood light / LM400.20 / retrofit 1000W HID

Compact Optimum LED general light

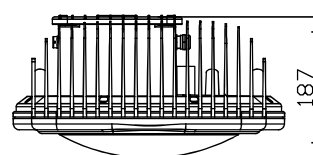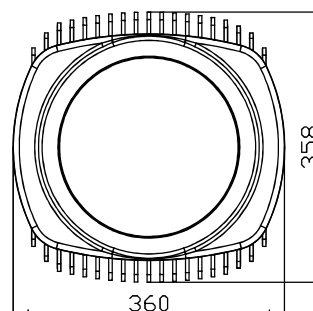- Flexible and reliable, a LED light for all professional projects.

Typical application:

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

Features & Characteristic:

*Patent multi- function design, suitable for all projects
*5-5-10 year warranty
*Top performance LED chips, 120 lm/w system efficacy
*80% lumen maintenance over 50,000hours
*0-10Vdc dimming driver available
*Photocell and motion sensor system available
*Built-in surge protection
*Built-in thermal protection
*Maintenance free
*Mercury free, No UV or IR
*Universal 80-347Vac input without additional adapter
*Instant start and flicker free
*High uniformity and color rendering

358

360

187

Flexible mounting system
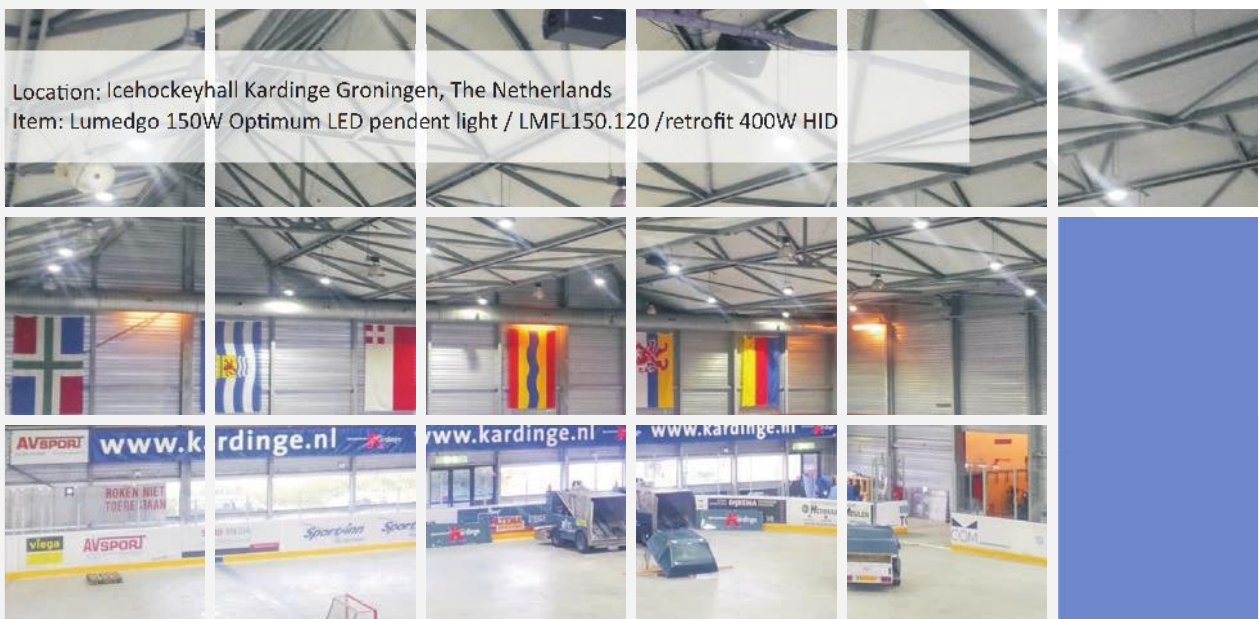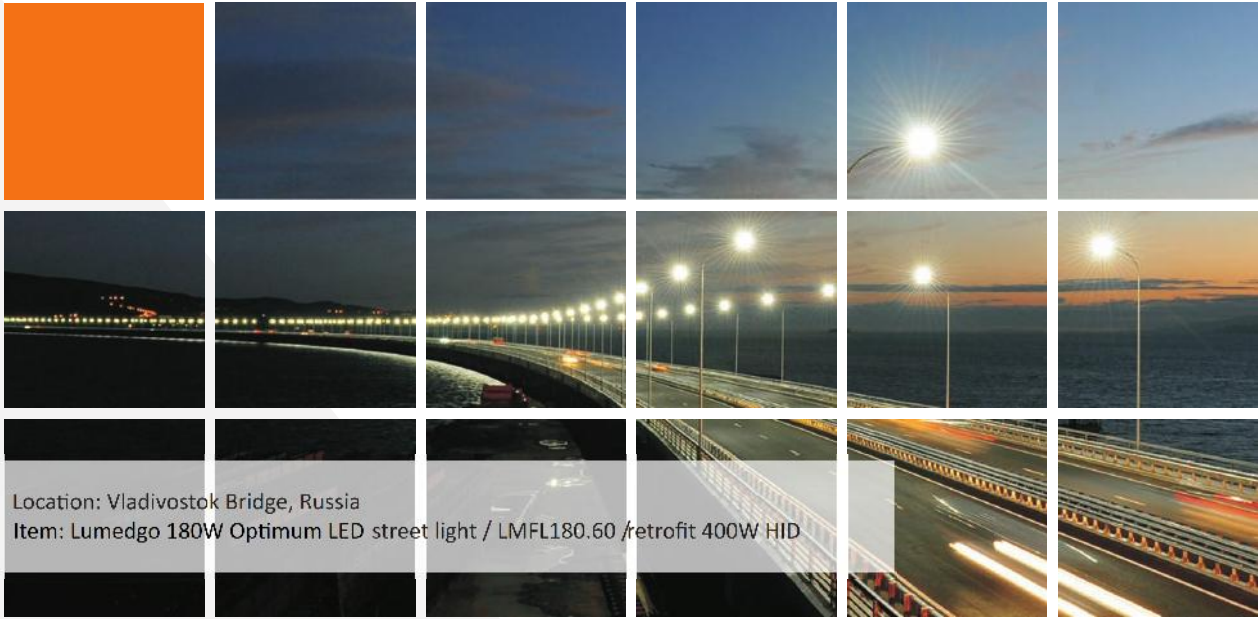

flood lighting

street lighting

pendent lighting

Lighting distribution

Data sheet

Model		LMFL30	LMFL60	LMFL90	LMFL120	LMFL150	LMFL180	LMFL210	LMFL270
Power Consumption	LEDs	25W	50W	81W	108W	135W	162W	189W	243W
	Driver	5W	10W	9W	12W	15W	18W	21W	27W
	Total	30W	60W	90W	120W	150W	180W	210W	270W
Initial Lumen Flux (6000K)		3600 lm	7200 lm	10800 lm	14400 lm	18000 lm	21600 lm	25200 lm	32400 lm
Replace HID Lamp		50-100W	100-150W	150-250W	250-300W	300-400W	400-500W	500-600W	600-1000W
Dimension		360x358x187mm							
Net Weight		8kg (17.6lbs)							
Color Temperature		2000K - 6000K							
Color Rendering		≥Ra80							
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							

Location: Vladivostok Bridge, Russia
Item: Lumedgo 180W Optimum LED street light / LMFL180.60 /retrofit 400W HID

Location: Petrol station, Germany
Item: Lumedgo 90W Optimum LED flood light / LMFL90.120 /retrofit 250W HID

Location: Icehockeyhall Kardinge Groningen, The Netherlands
Item: Lumedgo 150W Optimum LED pendent light / LMFL150.120 /retrofit 400W HID

Standard Optimum LED projction light

- 20° beam angle for long distance lighting
- Flexible and reliable, a LED light for all professional projects
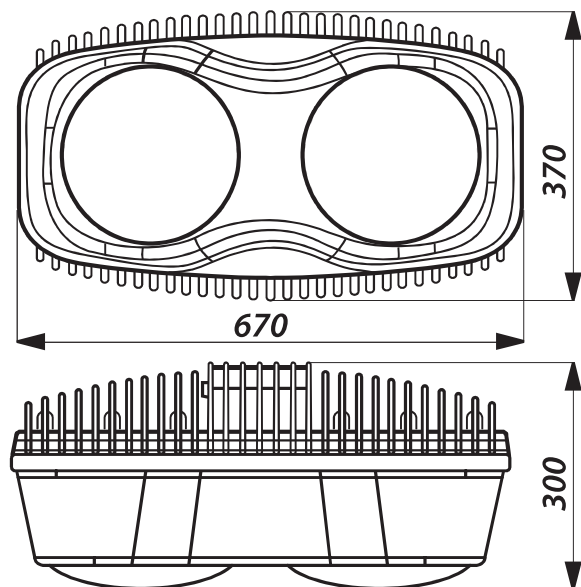- Only practical LED light for 1000W HID retrofit

Typical application:

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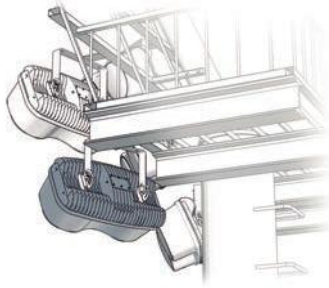
Features & Characteristic:

*20° beam angle for long distance lighting application

*Patent multi- function design, suitable for all projects

*5-5-10 year warranty

*Top performance LED chips, 110 lm/w system efficacy

*80% lumen maintenance over 50,000hours

*0-10Vdc dimming driver available

*Photocell and motion sensor system available

*Built-in surge protection

*Built-in thermal protection

*Maintenance free

*Mercury free, No UV or IR

*Universal 80-347Vac input without additional adapter

*Instant start and flicker free

*High uniformity and color rendering

370

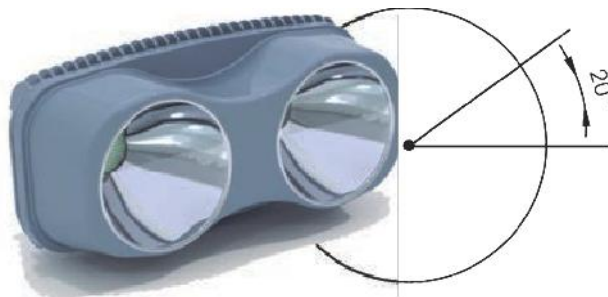670

300

Flexible mounting system

flood lighting   street lighting   pendent lighting

Lighting distribution

20°

Data sheet

Model		LMFL400.20
Power Consumption	LEDs	360W
	Driver	40W
	Total	400W
Initial Lumen Flux (6000K)		44000 lm
Replace HID Lamp		1000-2000W
Dimension		670x370x300mm
Net Weight		20kg (44lbs)
Color Temperature		2000K - 6000K
Color Rendering		≥Ra80
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

Location: Valencia Port, Spain
Item: Lumedgo 400W Optimum LED projection light / LMFL400.120 /retrofit 1000W HID

Location: Teck Resources, Canada
Item: Lumedgo 400W Optimum LED projection light /LMFL400.60 /retrofit 1000W HID

Quality control & Certificate

LUMEDGO

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Optimum Led Solutions