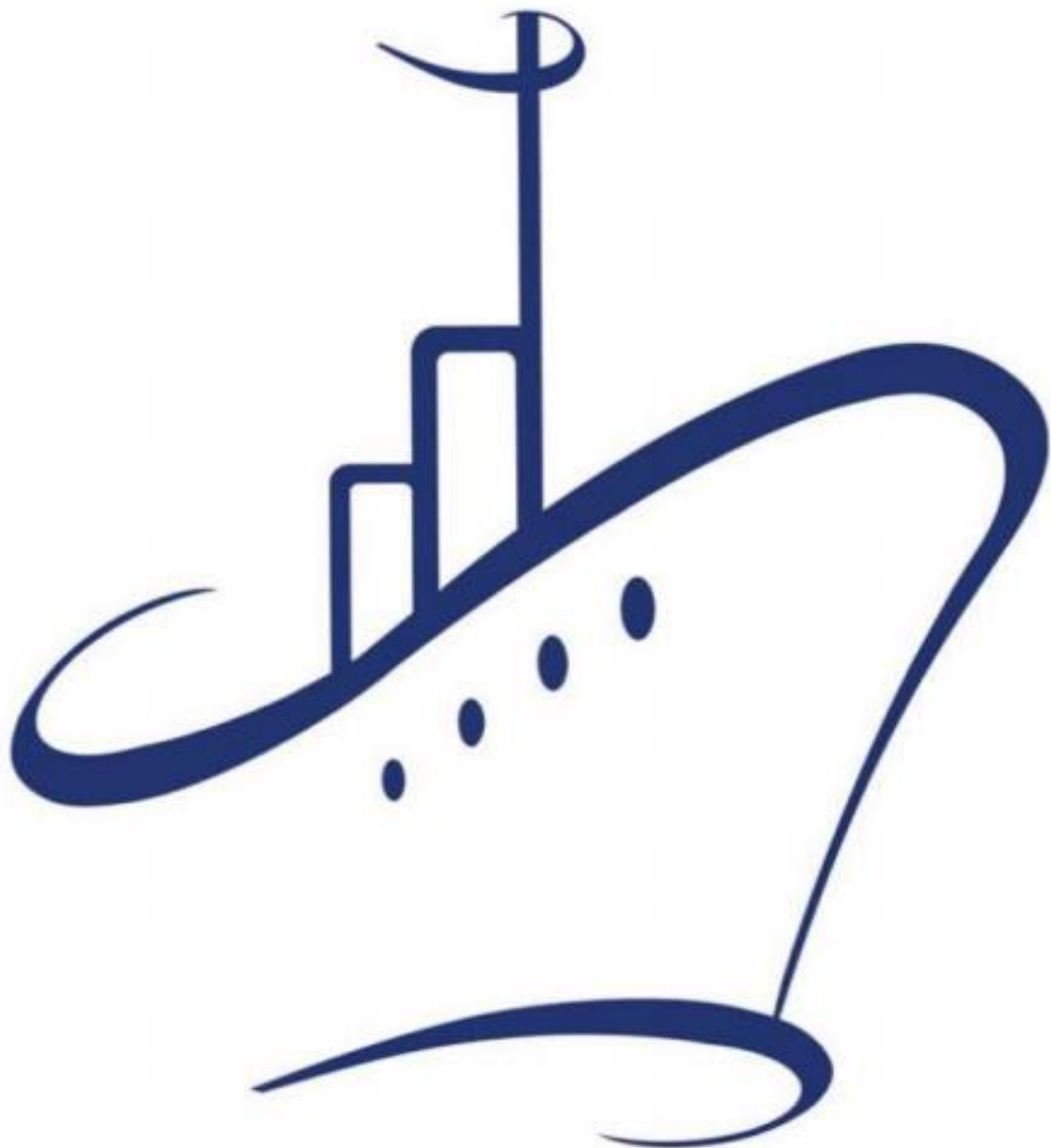


GoldLED



Ship lighting solutions



*"If you disintegrate Greece, in the end you will see
an olive, a vine and a ship,
which means: with so much you make it up again"*

Odysseus Elytis

*"Εάν αποσυνθέσεις την Ελλάδα, στο τέλος θα δεις να σου απομένουν
μια ελιά, ένα αμπέλι κι ένα καράβι,
που σημαίνει: με άλλα τόσα την ξαναφτιάχνεις"*

Οδυσσέας Ελύτης

Dear Visitors,

It is our pleasure and honor to welcome you at our booth and have the opportunity to present to you our Ship lighting solutions.

Our company GoldLED, is a subsidiary of Goldair group which is one of the largest and most trustful business organizations in Greece. Since 1955 we have pioneered the credible and reliable entrepreneurship and today we employ 3.420 people in several countries. At Goldair we have foreseen that the LED lighting industry is the present and the future of lighting therefore we establish GoldLED with the aim to enter into the lighting industry with a strong focus on technological innovations, energy savings and protection of the health and the environment.

Today GoldLED is a company with a sound corporate, organizational and commercial structure.

One of our core activities is the Interior and Exterior lighting solutions for the shipping industry and one of our key business drivers is the continuous quest for innovative solutions, high attention to quality and the ability to interpret the market trends.

Through a continuous research process of the most suitable suppliers from all over the world we have achieved to offer a wide variety of high quality lighting solutions which through the close cooperation with our sister company Goldair cargo has given us the advantage to have our own very effective distribution channel in any required geographical area worldwide.

GoldLED stands out for the quality of its products and the immediate adherence to our products warranties.

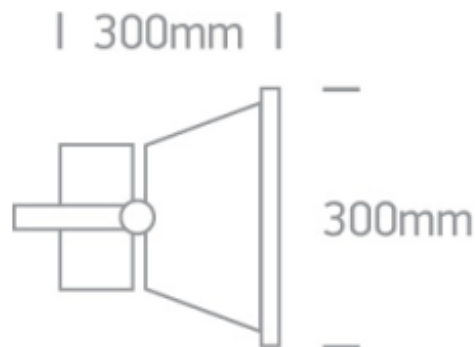
Within this catalog we present our products that are dedicated to the shipping industry while some of them can be used in some areas related to the Marine Sector, such as Naval Yards, Warehouses, Offices, Marinas, Ports etc.

We are very happy that you will read the specifications of our products and we remain gladly at your disposal for any additional information you may need.



Kallinikos Kallinikos

Executive Vice President Goldair Group

Floodlight GL-70-50C/G/C

IP65 rated for outdoor use Floodlight.

Complies with standard EN60598-1 and any other specific standards.

Body Material: Die cast/Diffuser/glass

Driver efficiency: PF 0,90

LED type: COB LED

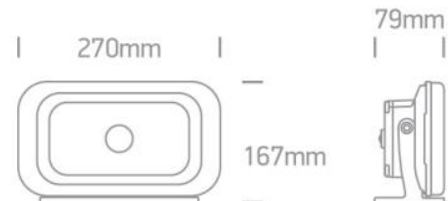
Beam Angle: 70°

Cable Length: 100cm

Voltage	Color Range	IP Rate	CRI	Frequency	Warranty	Life Span
AC 100-240V	3000-6500K	IP65	>80	50-60	2 Years	20.000 Hours

Description	Power	Lumens	Dimensions	Colour Range
GL-70-50C/G/C	50W	4390	1300XW300mm	4000

Markings

Floodlight GL-70-66/W/C

Supplied with non-dimmable LED driver.

Complies with standard EN60598-1 and any other specific standards.

Body Material: Die cast
Driver efficiency: PF 0,90
LED type: COB LED Bridgelux
Beam Angle: 100°
Cable Length: 100cm

Voltage	Color Range	IP Rate	CRI	Frequency	Warranty	Life Span
AC 100-240V	4000K	IP65	>80	50-60	2 Years	20.000 Hours

Description	Power	Lumen	CRI
LL-ZA7066/W/C	30W	3030	≥70

Markings

344Floodlight Port FL451B

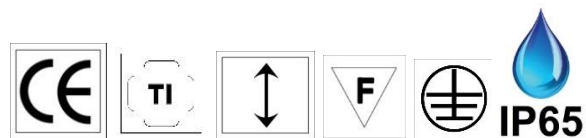
Body Material: Electrostatic powder Coated Aluminium

Driver efficiency: PF 0,90

LED type: SMD

Voltage	Color Range	IP Rate	CRI	Frequency	Warranty	Lifetime
AC 180 -220V	3000-6500K	IP65	>80	50-60	2 Years	20.000 Hours

Description	Power	Lumen	Dimensions	Unit Price
GoldLED-Port FL451B	40W	122/watt	190X145X35mm	€ 60.00

Markings

Class of Insulation: II- Conforms to the standard EN 60598-1 EN 62831

Floodlight Carol 50Watt



Body Type: Anodised Aluminium.

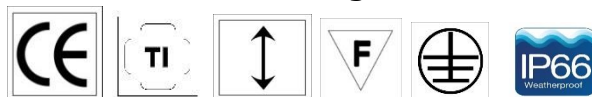
Driver efficiency: PF 0,9

LED Type: Modules with Lens

Beam angles: Several

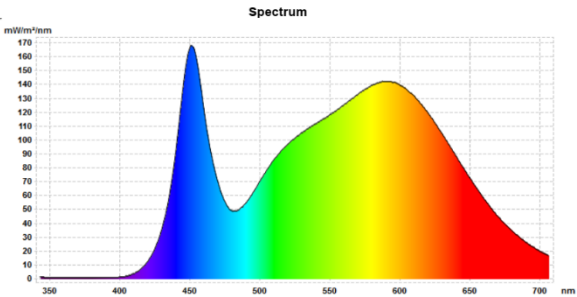
Voltage	Color Range	IP Rate	CRI	Frequency	Warranty	Life Span
AC 220 -240V	3000-6500K	IP66	>80	50-60	2 Years	20.000 Hours
Description		Power	Lumen	Dimensions	Unit Price	
GoldLED-Carol1 1x50W		50W	159/watt	190X145X35mm	€ 146.00	
GoldLED- Carol2 2x50W		100W	159/watt	190X290X35mm	€ 274.00	
GoldLED- Carol3 3x50W		150W	159/watt	190X435X35mm	€ 390.00	
GoldLED-Carol4 4x50W		200W	159/watt	380X290X35mm	€ 540.00	

Markings

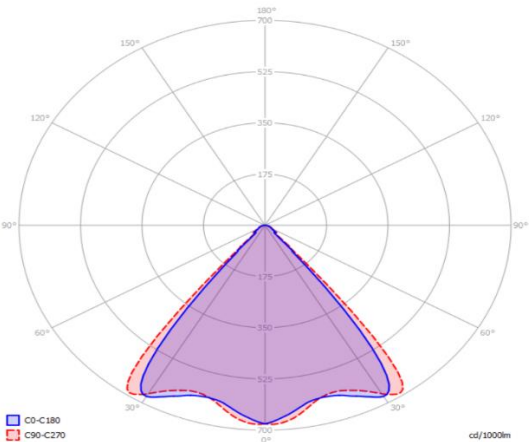


Class of Insulation: II- Conforms to the standard EN 60598-1 EN 62831

GL SpectroSoft Report



Other		Metamerism Indices	
CCT	4313	Mvis	1.6
Chromaticity Error	0.006	Muv	4.3
Color Peak	450.88		
Color Peak Value	167.87		
Color Dominant	579.9		
Luminous Intensity	83.52		
Purity	-		
Radiometric	25.6245		
PAR	-		
PPFD	-		



GL-Floodlight Alpha 180W Long Distance 25.200Lumens



Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL-Floodlight Alpha 180W	180W	25,200	AC 100--305V	20° and 60°	>85	67	€ 863.76

Operating Voltage: 100-305Vac 50 ~60Hz

Ta: -40° - +55°

Material Fixture: Aluminium: ZL102 Mn0.2~0.5, mg<=0.25, Si<, <=0.65

Affix Material & Mounting Bracket: A4 316 Stainless Steel 6mm – 0.24"

Weight: 8kg

Finish: Seawater resistant powder coating

LED Colours:3900K

Dimensions: 20° 360mm x 358mm x 306mm / 14.2" x 14.1" x 12.1"

60° 360mm x 358mm x 187mm / 14.2" x 14.1" x 7.4"

Certifications: TUV Certified

UL Certified

SAA Certified

In compliance with IEC60092-306

*UL certification available on request



UL Certified

SAA Certified

GL-Floodlight Alpha 400W Long Distance 56.000Lumens



Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL-Floodlight Alpha 400W	400W	56.000	AC 100--305V	20° and 60°	>85	67	€ 1.834.74

Specifications2

Operating Voltage: 100-305Vac 50 ~60Hz

Driver: Meanwell ELG-150—C1050

Ta: -40° - +55°

Material Fixture: Aluminium: ZL102 Mn0.2~0.5, mg<=0.25, Si<, <=0.65

Affix Material & Mounting Bracket: A4 316 Stainless Steel 6mm – 0.24"

Weight: 19kg

Finish: Seawater resistant powder coating

LED Colours:3900K

Dimensions:

20° 671mm x 405mm x 374mm / 26.4" x 15.9" x 14.7"

60° 671mm x 405mm x 204mm / 26.4" x 15.9" x 8.1"

Certifications: TUV Certified

UL Certified

SAA Certified

In compliance with IEC60092-306

*UL certification available on request



GL- Rain Floodlight

Body Material: Aluminium

Protection: Short circuit/ over current/ over voltage/ over temperature

Driver efficiency: PF 0,90

Class of insulation: II- Conforms to EU STANDARDS Made in Europe

Voltage	Color Range	IP Rate	CRI	Frequency	Warranty	Lifetime
AC 90 - 295V	4000-6500K	IP65	>80	50-60	2 Years	20.000 Hours

Description		Power	Lumens	Dimensions
GL-Rain Floodlight	40W	40W	6300	460X350x120mm
GL-Rain Floodlight	80W	80W	12700	460X350x120mm
GL-Rain Floodlight	120W	120W	19080	460X350x120mm

Markings

Floodlight SMD (*indoor use*)

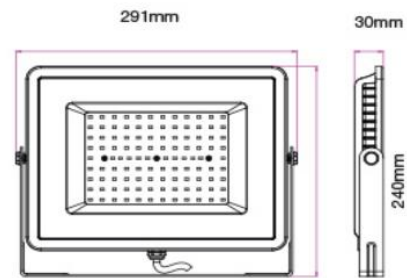


Voltage	Color Range	Type LED	CRI	Beam Angle
AC85-265V	3000-6500K	SMD	>80	120 Degrees

Product	Power	Replaces	Lumen	Dimensions	Unit Price
GoldLED-111-10W	10W	40W	950	128X120X48mm	€ 10,28
GoldLED-111-20W	20W	80W	1900	168X160X50mm	€ 15,98
GoldLED-111-30W	30W	120W	2850	228X222X53mm	€ 20,99
GoldLED-111-50W	50W	250W	4750	288X279X63mm	€ 29,91
GoldLED-111-100W	100W	400W	9500	290X90X340mm	€ 55,13
GoldLED-111-150W	150W	600W	14250	335X95X390mm	€ 84,00
GoldLED-111-200W	200W	800W	19000	335X95X390mm	€ 150,43

Certificates





Product Code	Power	Luminus Flux	Dimensions	Unit Price
GL 100SAMSMD	100W	8.000LM	291x240x30mm	€ 34.50
GL 100SAMSMD-HL(high lumen)	100W	12.000LM	291X240X30mm	€ 68.00
GL150SAMSMD	150W	12.000lm	404X322X52mm	€ 198.00
GL150SAMSMD-HL(high lumen)	150W	18.000lm	404X322X52mm	€ 289.00

Supply: Served with a pre-wired external led driver.

Installation: Fixed into the recessed ceiling by the means of two steel springs.

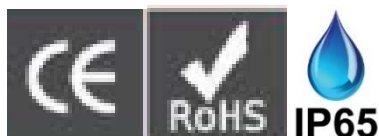
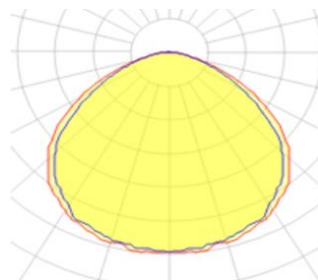
Type of Led: SMD Led chip SAMSUNG

Body: Aluminium

Reinforced glass perimetrical sealed with sealing silicone for the protection from the dust- water with IP65. Corrosion Resistant.

Voltage	Color Range	Type LED	CRI	Beam Angle	IP Protection	Life Span	Energy Efficiency Class
AC220-240V/50Hz	6400K	SMD	>80	100°	IP65	Up to 30.000 hours	A++

Photometric Data



Ceiling Light for 2xT8 LED Tubes Premium



Body: Zinc coated Steel

Paint: H Anti-UV, Paint Powder coating with high resistance at the corrosion

Cover: Polycarbonate

Ingress Protection: IP66

Clips: INOX

Lamps Holder: G13

Lamps Type: T8 LED TUBE

T8 LED Tubes

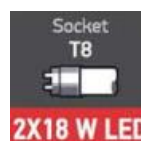
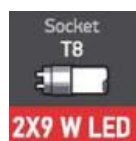
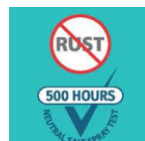
Item	Power	Lumen	Warranty	Unit Price
GoldLED -T8 LED tube 2x 9W	2x9W	1800lm	2 years	84,00€
GoldLED-T8 LED tube 2x18W	2x18W	3600lm	2 years	119,00€

The prices include the cost of lamps T8 LED tube type

140°



Anticorrosive:100% success in 500 hours of neutral saltwater spray test



GoldLED- SELO Ceiling Light

Body	GRP (Fiberglass)
LED	SMD
Optical Cover / Diffuser	High transmission opal

Model	Power (W)	Color Tempr.(K)	Luminosity (lm)	Dimensions(mm) a b c	Power Factor	CRI	Hz	IP Range	Unit Price
GOLDLED- SELO 118	20Watt	4000-6500	2000	663X85X85mm	>0.95	>80	50 - 60	IP65	€ 35,00
GOLDLED- SELO 218	36Watt	4000-6500	3600	1273x85x85mm	>0.95	>80	50 - 60	IP65	€ 39.50

Warranty: 2 years



Driver: Certified



IP65

GoldLED Ceiling Light T8 IP65 (indoor use)

Body: ABS (Acrylonitrile butadiene styrene) + PS (Polystyrene)

Product code	Lamp type	Dimensions	Unit Price
GoldLED-218/B	2 X T8 LED tube 9WL	L667XW150XH106mm	€ 18.97
GoldLED-236/B	2 X T8 LED tube 18W	L1264XW150XH110mm	€ 23,10

The prices include the cost of lamps T8 LED tube type



LED Tube T8 Isolated Driver for Ships



Voltage	Color Range	TypeLED	CRI	Beam Angle	Warranty	Lifetime
AC165-265V	3000K -4500K -6500K	SMD2835	>80	180 D	2 Years	25.000 'Hours

Product	Power	Lumen	Matterial	LED pieces	Dimensions	Unit Price
GoldLED-Tube-T8S 9W	9W	1.080lm	plastic+ aluminium	44	Φ26 x 600mm	€ 3.59
GoldLED-Tube-T8S 18W	18W	2160lm	plastic+ aluminium	96	Φ26 x 1200mm	€ 4.48



*** Isolated Drivers**

Certificates



LED Tube T8 Regular



Voltage	Color Range	TypeLED	CRI	Beam Angle
AC180-277V	3000K -4500K -6500K	SMD2835	>75	180 D

Product	Power	Lumen	Matterial	LED pieces	Dimensions	Unit Price
GoldLED-Tube-T8R 9 W	9W	900lm	plastic+ aluminium	44	Φ26 x 600mm	€ 1.98
GoldLED-Tube-T8R 18W	18W	1800lm	plastic+ aluminium	96	Φ26 x 1200mm	€ 2.99

Certificates



GL- LED Tube T8 Premium Glass



Beam Angle:270°

CRI: ≥80

Power Factor:>

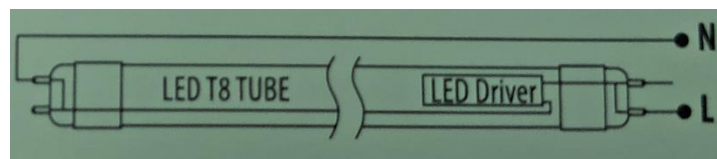
Energy Class:A+

Warranty: 2 years

Product	Power	Lumen	Material	Dimensions
GL-Tube-T8 Premium Glass L600	9W	900lm	Glass	Φ30 x 602mm
GL-Tube-T8 Premium Glass L1200	18W	1800lm	Glass	Φ30x 1212mm

Voltage	Color Range	TypeLED	CRI	Beam Angle
AC 230V	4000K -6500K	SMD2835	>75	180 D

Connection method



No re-wiring is required

Certificates



GoldLED-026 Bulb E27

Voltage	Color Range	Frequency	CRI	Beam Angle	Warranty	Lifetime
AC 85-265V	3000K- 4500K-6500K	50 – 60Hz	>85	180 D	1 year	25..000 'Hours

Product code	Power	Base/Socket	Frequency	Lumen	Dimensions	Unit Price
GoldLED-006-A60 10W	10W	E27	50-60 Hz	850	Φ60 x 110mm	€ 1,56



GL Slim LED Light Bar



Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL-LED Slim Bar 30W HV	30W	4,200	AC 100--305V	100°	>85	67	€ 289.90
GL-LED Slim Bar 30W LV	30W	4,200	DC 10--30V	100°	>85	67	€ 307.94
GL-LED Slim Bar 60W HV	60W	8,400	AC 100--305V	100°	>85	67	€ 378.30
GL-LED Slim Bar 60W LV	60W	8,400	DC 10--30V	100°	>85	67	€ 404.70
GL-LED Slim Bar 90W HV	90W	12,600	AC 100--305V	100°	>85	67	€ 508.00

Specifications

Operating Voltage: 10-30Vdc or 100-305Vac 50 ~60Hz

Driver: Meanwell HLG-40H-48B

Ta: -40° - +55°

Material Fixture: Aluminium: ZL 102 Mn0.2~0.5, mg<=0.25, Si<=0.65

Affix Material & Mounting Bracket: A4 316 Stainless Steel 4mm – 0.16"

Weight: 3.2kg

Finish: Hard Anodized Aluminium and Seawater Resistant Powder Coating

Dimensions: 30W: 378 mm x 76.4 mm x 59.5 mm (WxHxD) 14,88" x 3" x 2,35" (WxHxD)

60W 663.5 mm x 76.4 mm x 59.5 mm (WxHxD) 26,12" x 3" x 2,35" (WxHxD)

90W 958 mm x 76.4 mm x 59.5 mm (WxHxD) 37.71" x 3" x 2,35" (WxHxD)

Certifications: CE Certificate Number: B-E09110908

EMC Directive 204/108/EC

EN 55015: 2006+A1: 2007,

EN 61000-3-2: 2006/A2: 2009;

EN 61000-3-3: 2008;

EN 61547: 1955+A1: 2000

SAA Certified

In compliance with IEC60092-30



GL-LED Mirror Light 10W

Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL-LED Mirror Light 10W	10W	1.000	AC 85 -265V	90°	>85	44	€ 129,20

Specifications:

Ta: +45°

Material Fixture: PA66 + Poly Carbonate Cover

Weight: 0.8kg

Finish: Grey

Dimensions: 345 mm x 156 mm x 63 mm (WxHxD) / 13.58" x 6.14" x 2.48" (WxHxD)

Certifications: EMC Directive 204/108/EC

EN 55015: 2006+A1: 2007,

EN 61000-3-2: 2006/A2: 2009;

EN 61000-3-3: 2008;

EN 61547: 1955+A1: 2000

In compliance with IEC60092-30



GL-LED Bunk Light 10W



Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL-LED Bunk Light 10W	10W	1.000	AC 85 -265V	90°	>80	20	€ 121,20

LED Colours: 3000K Warm White

Ta: -20° - +45°

Material Fixture: Aluminium & Polycarbonate

Weight: 0.7kg

Finish: Silver Grey

Mounting: Surface

Dimensions: 347mm x 93mm x 69mm – 13.66" x 3.66" x 2.71"

Certifications: EMC Directive 204/108/EC

EN 55105: 2006+A1: 2007

EN 61000-3-2:2006/A2: 2009

EN 616000-3-3:2008;

EN 61547: 1995+A1: 2000

In compliance with IEC60092-30



GLP Ex-proof Floodlight



ED	SMD mid power
Driver	European origin high efficiency driver
Body	Aluminium Injection Frame with Electrostatic Coating
Optical Cover / Diffuser	IK08 standard compliant, heat and impact resistant, highly transmissive, clear tempered glass.
Coverage	II 3G Ex nR 11C TS Gc II 3D Ex tc IIIC (T95°C) DC

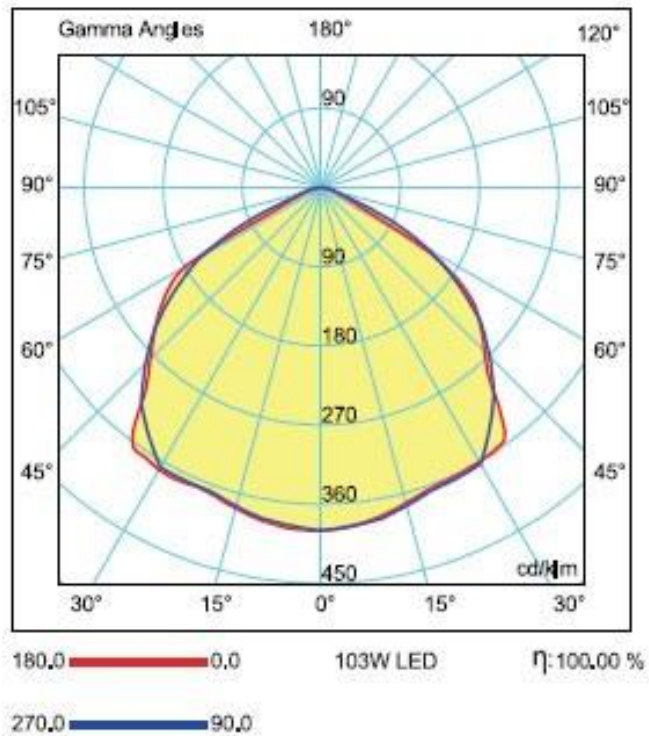
Type	Power	Luminous Flux Lm	Dimensions mm a,b,c,	Input Voltage (V)	(CRI)	Power Fac.	Frequency Hz	IP Protection	RAL Code	Unit Price
GLP Ex-Proof Floodlight	50	6000	342x342x121	220-240	>80	>0.95	50-60	IP66	1023	€ 285.27
GLP Ex-Proof Floodlight	100	11000	342x342x121	220-240	>80	>0.95	50-60	IP66	1023	€ 305.20
GLP Ex-Proof Floodlight	150	15000	342x342x121	220-240	>80	>0.95	50-60	IP66	1023	€ 341.82



EN 60598-2-2



Light Distribution Curve



ATEX Certified

Gas explosion Proof Zone 2
II3GEx nR IIC T5 Gc

Dust explosion Proof Zone 22
II3D Ex tc IIIC (T95 C) Dc

Standards: EN 60079-0:2012, EN 60079-15:2010, EN60079-31:2009

Certificate No.: IEP 16 ATEX 0468
Zone Class Zone2, Zone 22



GL- LED Flex 40 floodlight ATEX 40W



Art.No.: FLEX-040-39GR-HV
 Light Source: 24pcs USA Bridgelux Chip
 Power Consumption: 40Watt
 Efficiency: >90%
 Lumens Per Watt: 130 Lms./ Watt
 LED Colours: 3900K Natural White
 Operating Voltage: 100-305Vac 50 ~60Hz
 Driver: Meanwell HLG-40H-42A
 Ta: -40° - +55°
 Material Fixture: Aluminium: ZL102 Mn0.2~0.5~mg<=0.25~Si<=0.65 Affix Material &
 Mounting Bracket: A4 316 Stainless Steel
 Weight: 4.2kg
 Finish: Seawater resistant powder coating
 Dimensions: 200mm x 200mm x 130mm (W x H x D)
 7.85" x 7.85" x 5.1" (W x H x D)
 Certifications: EMC Directive 204/108/EC
 EN 55015: 2006+A1: 2007,
 EN 61000-3-2: 2006/A2: 2009;
 EN 61000-3-3: 2008;
 EN 61547: 1995+A1: 2000
 ATEX Explosion Proof Certified for Europe
 UL844
 In compliance with IEC60092-30Art.No.: FLEX-040-39GR-:)

Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL- LED Flex 40 floodlight ATEX 40W	40W	5200	AC 100--305V	80°	>80	68	€ 337.10



Anti Explosive LED Fixture II 2G Ex eb mb IIA T4 GB II 2D Ex tb IIIC T(95°) Db Cert. No.: IEP 14 ATEX 0219

**GL- LED Floodlight 80Watt ATEX High Power**

Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL - LED Floodlight ATEX 80W	80W	10.400	AC 100--305V	80°	>80	66	€ 627.11

Specifications:

Light Source: 60pcs USA Bridgelux Chip

LED Colours: 3900K Natural White

Driver: Meanwell HLG-80H-42

Ta: -40° - +55°

Material Fixture: Hard anodized Aluminium and Seawater

Resistant Powder Coating

Affix Material & Mounting Bracket: A4 316 Stainless Steel 4mm – 0.16"

Weight: 9.5kg

IP Rating: IP68

Finish: Seawater resistant powder coating

Dimensions: 300mm x 300mm x 150mm (W x H x D) / 11.8" x 11.8" x 5.9" (W x H x D)

Certifications: EMC Directive 204/108/EC

EN 55015: 2006+A1: 2007,

EN 61000-3-2: 2006/A2: 2009;

EN 61000-3-3: 2008;

EN 61547: 1995+A1: 2000

ATEX Explosion Proof Certified for Europe

UL 1598 & UL844

In compliance with IEC60092-30



UL 1598 & UL844 Certified EX Certified

**GL- LED Floodlight ATEX 120WattHigh Power**

Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL - LED Floodlight ATEX 120W	120W	15.600	AC 100--305V	80°	>80	66	€ 1064.11

Specifications:

Light Source: 60pcs USA Bridgelux Chip

LED Colours: 3900K Natural White

Driver: Meanwell HLG-80H-42

Ta: -40° - +55°

Material Fixture: Hard anodized Aluminium and Seawater

Resistant Powder Coating

Affix Material & Mounting Bracket: A4 316 Stainless Steel 4mm – 0.16"

Weight: 13.1kg

IP Rating: IP68

Finish: Seawater resistant powder coating

Dimensions: 400mm x 400mm x 160mm (W x H x D) 15.8" x 15.8" x 6.3" (W x H x D)

Certifications: EMC Directive 204/108/EC

EN 55015: 2006+A1: 2007,

EN 61000-3-2: 2006/A2: 2009;

EN 61000-3-3: 2008;

EN 61547: 1995+A1: 2000

ATEX Explosion Proof Certified for Europe

UL 1598 & UL844

In compliance with IEC60092-306

**UL1598 & UL844 Certified****EX Certified**

GOLDLED-EXP17 FLOODLIGHT Ex-Proof Zone 2,22



APPLICATION

The luminaire is designed to light the industrial areas and facilities, also outdoor spaces with an explosion hazard of gases, vapours and flammable fogs mixed with air and inflammable dust and fibers mixed with air. Hazardous zones: 2,22. Luminaire equipped with lens mounted on LED panel for light pattern shaping and reducing glare.

Luminaire is available in 1,2 or 3 modules version

TECHNICAL DATA

Type of housing: gas: Ex nR I dust: Ex tc

Explosion group: gas: IIC, IIB, IIA I dust: IIIC, IIIB, IIIA

Temperature class: T4, T3, T2, T1*

Max surface temperature: 100 C

Protection level: gas: Gc I dust: Dc

Protection degree: IP 66

Ambient temperature: from -30 C to +45 C***

MOUNTING

Luminaire mounted with adjustable angle bracket.

CONSTRUCTION DETAILS

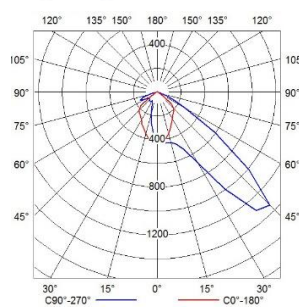
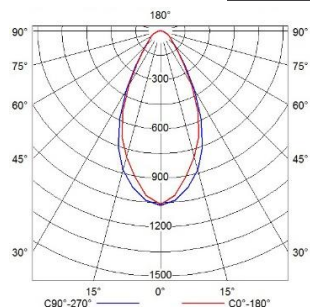
Housing: aluminium, powder painted

Diffuser: strengthened glass

Bracket: steel, powder painted

Luminaire equipped with vent plu

Description	Power W	Luminous Flux Lm	Dimensions mm	IP Protection	IK Class	Unit Price
EXP 17-MLED1/0406/7/740/N	45W	7200	388x147x340	IP66	IK08	€ 356.00
EXP 17-MLED2/0796/7/740/N	85W	14000	312x153x407	IP66	IK08	€ 570.00
EXP 17-MLED3/1196/7/740/N	130W	21000	526x204x436	IP66	IK08	€ 697.00
EXP 17-MLED1/0406/7/740/AS Asymmetric optics	45W	7200	388x147x340	IP66	IK08	€ 382.00
EXP 17-MLED2/0796/7/740/ Asymmetric optics	85W	14000	312x153x407	IP66	IK08	€ 586.00
EXP 17-MLED3/1196/7/740/AS Asymmetric optics	130W	21000	526x204x436	IP66	IK08	€ 735.00



GL Ex-Proof Standard Floodlight Zone 2,22 ExdIICT6 WF2



Power Factor:0,95

Base: Electric wire

Configuration: It adopts imported LED light source, with an average service life of up to 100,000 hours. The power supply adopts wide voltage processing, which can realize

Heat dissipation:Explosion-proof electrical box and lamp holder double cavity design, large space size to ensure the assembly of various large-scale electrical appliances.

Excellent heat dissipation performance, so that the LED chip and power supply temperature rise is reasonably controlled within a reasonable range, greatly ensuring the service life of the lamp.

Driver: Meanwell

Working Temperature: **-20° up to +55°C**

Material: Die-Cast Aluminium

IP rate: IP66

CRI:75

Warranty: 3 years

Class of Insulation:

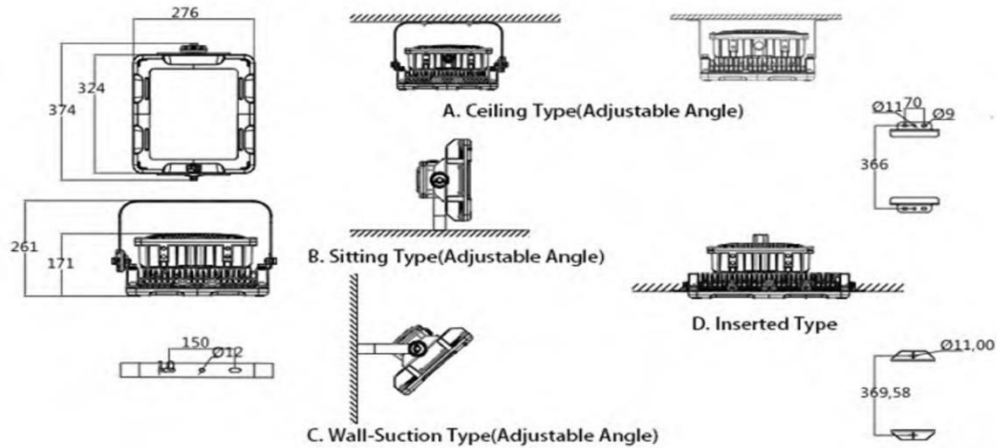
Complies with standard EN

Model	Voltage	Power	Lumen	Colour	Beam Angle	LED Chip	Dimensions	Unit Price
GL EX FL Standard 70	AC 100-270V	70W	8400	6000 - 6500K	106,5°	Cree 3030	300*186*174	€ 453.47
GL EX FL Standard 100	AC 100-270V	100W	12000	6000 - 6500K	106,5°	Cree 3030	374*276*171	€ 534.30
GL EX FL Standard 150	AC 100-270V	150W	18000	6000 - 6500K	106,5°	Cree 3030	425*315*165	€ 632.11
GL EX FL Standard 200	AC 100-270V	200W	24000	6000 - 6500K	89,4°	Cree 3030	552*323*190	€ 694.59
GL EX FL Standard 301	AC 100-270V	300W	36000	6000 - 6500K	106,5°	Cree 3030	602*386*276	€ 937.00

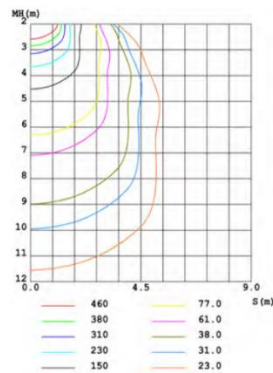
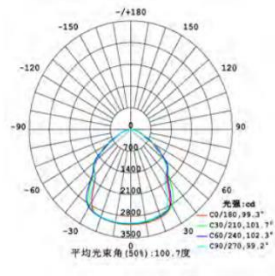


II G EX d IIC T6
IIGEX d IIB T6
IIGEX tD A21 IP66 T80° C

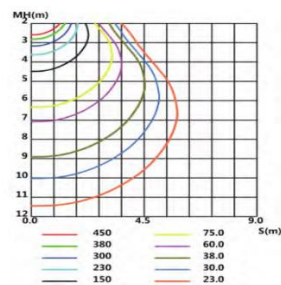
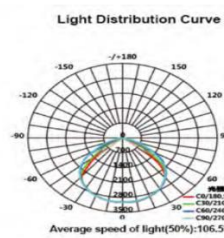
Installation



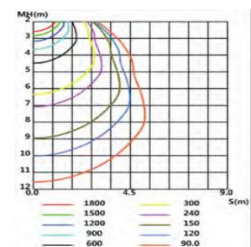
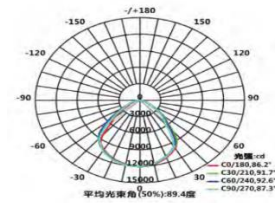
TEST REPORT 70W



80-190W



TEST REPORT 160-250W



GL Anti-explosive PLFSN 100 LED Floodlight Zone 1,21,2,22

Luminosity: 12.600Lumen



CONSTRUCTION

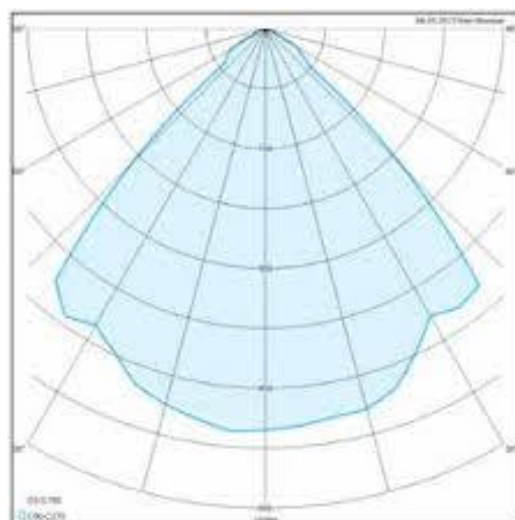
Housing: aluminium powder painted casting
Diffuser: borosilicate glass,
Accessories: protected galvanized steel grid, assembly kit for wall, pipe and ceiling mounting
Gasket: silicon

Description	Power	Voltage	Color Range	TypeLED	CRI	Beam Angle	Warranty	Lifetime	Unit Price
GL=PLFSN 100 LED Ex-Floodlight	100Watt	AC90 -305V DC 127-431V	5000K	COB	>80	120 D	7 Years	80.000 'Hours	€ 1,059.00

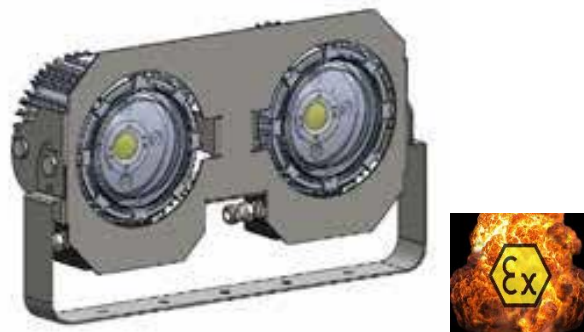
CONSTRUCTION	
Housing	Aluminium Powder painted casting
Diffuser	Borosilicate Glass
Accessories	Protected, Galvanized steel grid, Assembly kit for wall pipe and ceiling mounting
Gasket	Silicon



TECHNICAL DATA	
Certificate	FIDI 19 ATEX 0831
Zone	1 /21, and 2/22
Marking	CE0722
Apparatus category	II 2G II 2D
Marking of Explosion protection	 Ex db eb op is IIC T6 Gb Ex tb op is IIIC T80 C Db
Ambient Temperature	-40°C/ -20°C ≤ T ^a ≤ +40/+50°
Power	100Watt
IP Category	IP66
Impact rating	IK08
Protection class	I (protective earthing)
Frequency	50 -60Hz
Connecting terminals	L1,L2,L3,Nmax.2x2.5mm ² PE Terminal :Max 2x6mm ²
Cable entry	Connection box [3L+N=Pe] and tru wiring +ISO20 metal plug 2x M20(1xM20 Exd cable gland, 1xExd M20 Plug) ADP 23/1 +ISO20 metal plug
Weight	9 Kgs.
Mounting	Pendant, on Pipe, Wall, Ceiling



GL Anti-explosive PLFSN 100 LED Floodlight Zone 1, 21,2,22



CONSTRUCTION	
Housing	Aluminium Powder painted casting
Diffuser	Borosilicate Glass
Accessories	Protected, Galvanized steel grid, Assembly kit for waGoldLED pipe and ceiling mounting
Gasket	Silicon

TECHNICAL DATA	
Certificate	FIDI 19 ATEX 0831
Zone	1 /21, and 2/22
Marking	CE0722
Apparatus category	II 2G II 2D
Marking of Explosion protection	 Ex db eb op is IIC T6 Gb tb op is IIIC T80 C Db Ex
Ambient Temperature	-40°C/ -20°C ≤ T ^a ≤ +40/+50°
Power	2X80 Watt
IP Category	IP66
Impact rating	IK08
Protection class	I (protective earthing)
Frequency	50 -60Hz
Connecting terminals	L1,L2,L3,Nmax.2x2.5mm2 Terminal :Max 2x6mm2 PE
Weight	22 Kg.
Mounting	Pendant, on Pipe, WaGoldLED, Ceiling

Description	UNIT PRICE
<i>GOLDLED Anti-explosive NIR 2x80Watt LED Floodlight</i>	€ 2,180.00
<i>GOLDLED Anti-explosive NIR 4x80Watt LED Floodlight</i>	€ 3,478.00



SELO – Ex-proof Ceiling Light MLED



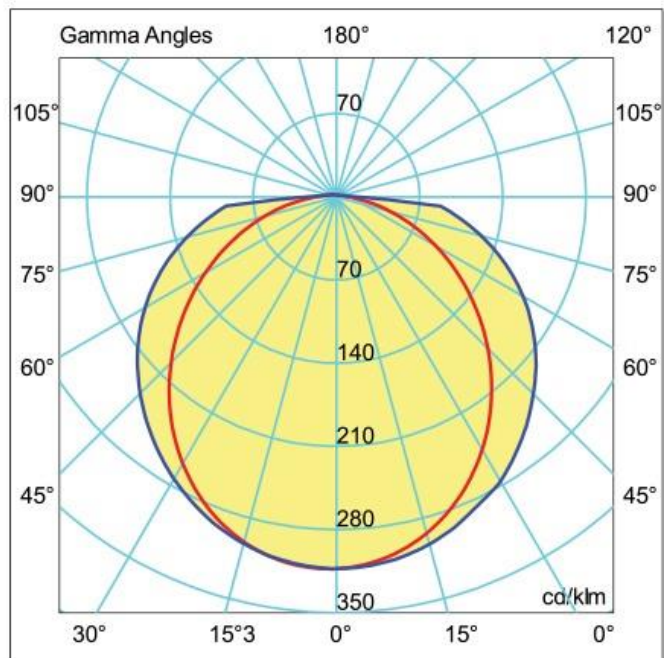
Code No	Power W	Luminous Flux Lm	Dimensions mm	Input Voltage (V)	CRI	Power Fac. (cos)	Ral Code	Frequency	IP Protection	IK Class	Unit Price
GL-EXP SELO 25W	25W	2750	670x85x125	220-240	>80	>0.95	1023	50-60	IP65	IK08	€ 140.64
GL-EXP SELO 45W	45W	4950	1280x85x125	220-240	>80	>0.95	1023	50-60	IP65	IK08	€ 168.27

• Body	• GRP
• LED	• SMD mid power
• Optical Cover / Diffuser	• High transmission PMMA opal cover with UV protection, non-yellowing throughout lifetime of the luminaire
• Coverage	• II 3G Ex nR IIC T6 Gc / II 3D Ex tc IIIC T 80° C Dc
• Driver	• ENEC certified
• Options	• 4000K / 6500K

CE  EN 60598-2-1



Light Distribution Curve



180.00 — .0 45W LED η : 100.00 %

270.09 — 0.0

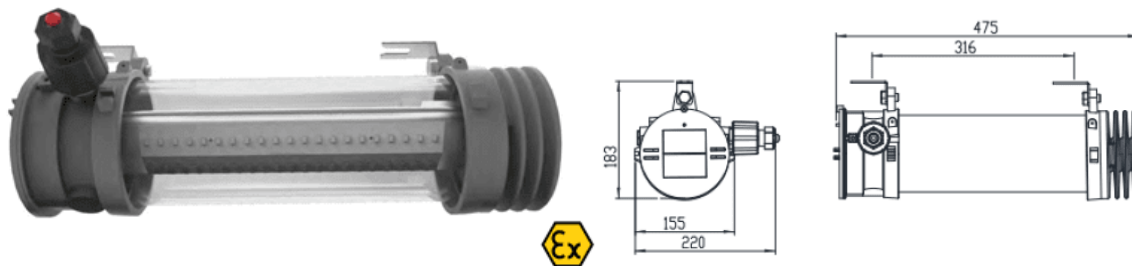
ATEX Certified

Gas explosion Proof Zone 2 and Zone 22

II 3G Ex nR IIC T6 Gc II

3D Ex tc IIIC T 80° C Dc

GL- Cy lind Exp ceiling Light



Housing	Housing: aluminium, corrosion resistant grey polyurethanes painted
Diffuser	borosilicate glass tube
Gasket	Silicon
Certificate	FIDI 19 ATEX 0027 , EAC RU C-HR.AB24.B.03253
Marking of expl. Protection	Ex db eb IIC T6 Gb / Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Connecting terminals	L1, L2, L3, N, PE - max. 2,5 mm ² PE for outside earthing max. 2 x 6 mm
Cable entry	2 x M20 2 x 3 /4"NPT 2 x M20, with one Ex d plugs and one adapter type ADP 03/24, for cable f7-15 mm
Through wiring	With two Ex de adapter ADP 03/24 - 4 x 2,5 mm ² , max. 16 A,

Code No	Power	Luminous Flux Lm	Input Voltage (V)	CRI	Power Fac. (cos)	Ral Code	Frequency	IP Protection	IK Class
GL-Cy lind EXP	2x36W	2x2900	AC100 -280	>80	>0.95	1023	0-60	IP66	IK08



GL EXP03 MLED EX-Proof Zone 2.22 Metal housing



APPLICATION

The luminaire is designed to light the industrial areas and facilities, also outdoor spaces with an explosion hazard of gases, vapours and flammable fogs mixed with air and inflammable dust and fibers mixed with air. Hazardous zones: 2,22.
Luminaire for outdoor use limited to space partially protected against the weather – ie.: sheds, roofing, etc.
For areas fully exposed to the weather conditions see dedicated version EXP 83 MLED.../KAWN (separate catalogue card)

TECHNICAL DATA

Type of housing: gas: Ex nA I dust: Ex tc
Explosion group: gas: IIC, IIB, IIA I dust: IIIC, IIIB, IIIA
Temperature class: T4, T3, T2, T1
Max surface temperature: 65 C
Protection level: gas: Gc I dust: Dc
Protection degree: IP 66/67
Ambient temperature: from -20C to +40C***
***Ambient temperature with battery from 0C to +40C

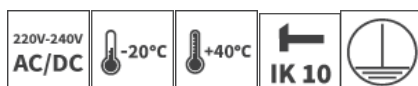
MOUNTING

Two brackets with 2 mounting holes each (type „W“). Recommended brackets ordered separately (only zinc coated steel housing).
Stainless steel housing has welded brackets type „W“

CONSTRUCTION DETAILS

Housing: zinc coated steel housing powder painted white Or stainless steel SS304 or SS316
Diffuser: UV stabilized strengthened polycarbonate
Diffuser clips: stainless steel
Mounting plate: zinc coated steel sheet powder painted

Description	Power W	Luminous Flux Lm	Dimensions mm	IP Protection	IK Class	Unit Price
EXP 03-MLED220/211/840	25W	3760	730xx195x132	IP66/IP67	IK10	€ 290,45
EXP 03-MLED240/417/840	50W	8440	1340xx195x132	IP66/IP67	IK10	€ 382,43
EXP 03-MLED220/211/840/SS304	25W	3760	730xx195x132	IP66/IP67	IK10	€ 314,41
EXP 03-MLED240/417/840/SS304	50W	8440	1340xx195x132	IP66/IP67	IK10	€ 427,68
EXP 03-MLED220/211/840/A3 3 h. emerg.	25W	3760	730xx195x132	IP66/IP67	IK10	€ 452,22



GL EXP 83 MLED EX-Proof Zone 1.21.2.22 Metal housing



APPLICATION

LED luminaire designed to light areas and facilities on ships and offshore with an explosion hazard of gases, vapours and flammable fogs mixed with air. Hazardous zones: 1,2,21,22.

Luminaire equipped with diffuser (D) mounted on LED panel for light pattern shaping and reducing glare.

TECHNICAL DATA

Type of housing: gas: Ex db , eb, mb I dust: Ex tb

Explosion gr gas: IIC, IIB, IIA I dust: IIIC, IIIB, IIIA

Temperature class: T4, T3, T2, T1

Max surface temperature: 60C or 65C

Protection level: gas: Gb I dust: Db

Protection degree: IP 66/67

Ambient temperature: from -35C to +40C

CERTIFICATE

KDB 04ATEX339X

MOUNTING

Two brackets with 2 mounting holes each.

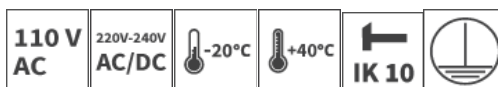
CONSTRUCTION DETAILS

Housing: zinc coated steel housing powder painted white Or stainless steel SS304 or SS316

Diffuser: UV stabilized strengthened polycarbonate

Diffuser clips: stainless steel

Description	Power W	Luminous Flux Lm	Dimensions mm	IP Protection	IK Class	Unit Price
EXP 83-MLED220/125/DO	25W	3760	730xx195x132	IP66/IP67	IK10	662,00€
EXP 83-MLED240/150/DO	50W	8440	1340xx195x132	IP66/IP67	IK10	828,10€
EXP 83-MLED220/125/DO/SS304	25W	3760	730xx195x132	IP66/IP67	IK10	748,00€
EXP 83-MLED240/150/DO/SS304	50W	8440	1340xx195x132	IP66/IP67	IK10	942,00€
EXP 83-MLED220/125/DO/SS304/A3 3 h. emerg.	25W	3760	730xx195x132	IP66/IP67	IK10	1.271,00€
EXP 83-MLED240/150/DO/SS304/A3 3h. Emerg.	50W	8440	1340xx195x132	IP66/IP67	IK10	1.497,00€



GL-LED Robust Tri-proof ATEX Light



Model	Power	Lumens	Op. Voltage	Beam angle	CRI	IP	Unit Price
GL - LED Tri proof Light ATEX 30W	30W	3.000	AC 100--305V	120°	>80	66	€ 514,20
GL - LED Tri proof Light ATEX 60W	60W	6.000	AC 100--305V	120°	>80	66	€ 658,30

Specifications:

Operating Voltage: 100-305Vac 50 ~60Hz

Driver: 30Watt – Sosen Electronics SS-35H series. /60Watt – Sosen Electronics SS-60H series

Ta: -40° - +55°

Material Fixture: Hard Anodized Aluminium, Polycarbonate & A4 316 Stainless Steel Parts

Weight: 30Watt – 4.7kg

60Watt – 6.6kg

Dimensions: 30Watt: 940mm x 140mm x 80mm – 37" x 5.5" x 3.15" (W x H x D)

60Watt: 1.540mm x 140mm x 80mm – 60.63" x 5.5" x 3.15" (W x H x D)

Certifications:

EMC Directive 204/108/EC

EN 55105: 2006+A1: 2007

EN 61000-3-2: 2006/A2: 2009

EN 616000-3-3: 2008;

EN 61547: 1995+A1: 2000

ATEX Explosion Proof Certified for Europe

UL8750 & UL844 on request

In compliance with IEC60092-306



UL1598 & UL844 Certified

EX Certified



REMONTOWA
LIGHTING TECHNOLOGIES



GoldLED
Ship lighting solutions



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