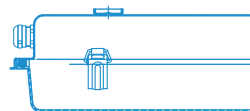


LED WATERTIGHT LUMINAIRE



LWS SERIES



Application

Decks, Engine rooms, Yards, Coldrooms

Mounting Method

Surface mounted

Material

Diffuser: Polycarbonate
Housing: SUS316 stainless steel or
Zinc coated steel, Powder coated white

Electrical

Flexible wiring, Heat resistant up to 105°C

Options

100V ~ 120V AC
220V ~ 240V AC
24V DC

Weight

LWS21L: 3.1Kg LWS22L: 3.3Kg
LWS41L: 5.1Kg LWS42L: 5.5Kg
With 3Hr emergency backup battery: Add 0.18Kg

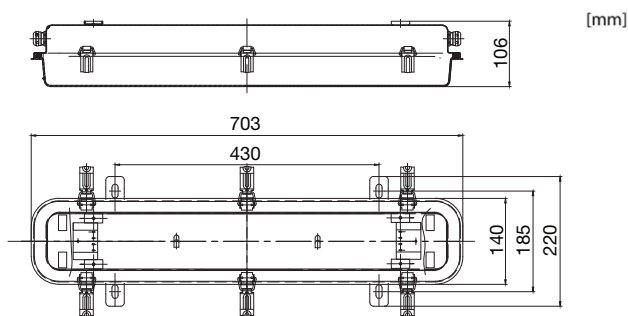
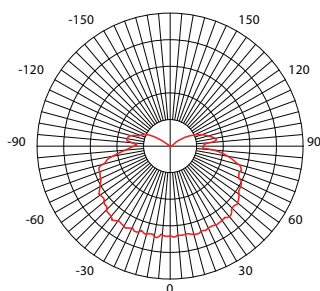
Key Features

- Triac dimming compatible
- Built-in with high thermal efficient linear module that allows lighting to operate at ambient temperature of up to 45°C
- Special designed clear polycarbonate diffuser to optimize the LED light transmission
- Long service life of 50,000 hours L70 @ 45°C (Ta)
- Safety, EMC and IEC compliance
- Available with battery backup system and emergency lighting

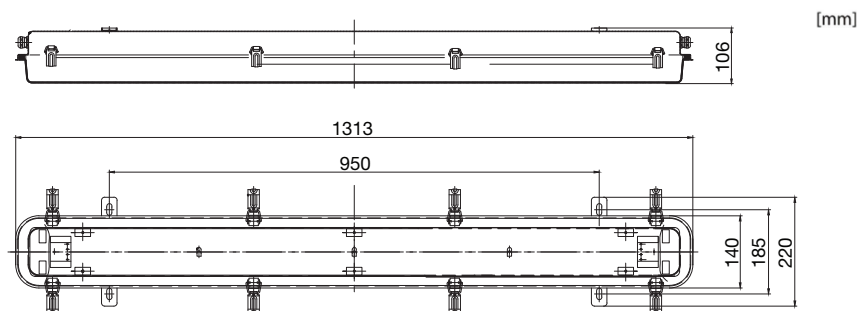
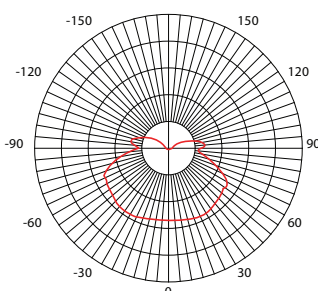


*For AC models only

LWS21L/LWS22L



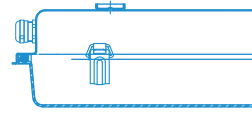
LWS41L/LWS42L



Due to our continuous development and product improvement policy, we reserve the rights to revise the specifications of all products without prior notice.



LED WATERTIGHT LUMINAIRE



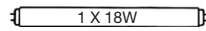
LWS SERIES

- B Denotes : With 3Hr battery backup
- E Denotes : With DC24V emergency LED

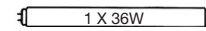
TECHNICAL SPECIFICATIONS



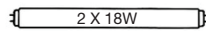
Ideal Replacement:



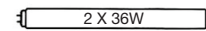
LWS21L for 1X18W



LWS41L for 1X36W



LWS22L for 2X18W



LWS42L for 2X36W

BH Code	Type	Main Voltage	Power	CCT	Ambient Temp (Ta)	System Lumen	Housing
IGLALWS21LS5A1	LWS21LS	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21LS5A1E	LWS21LS	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21LS5A1B	LWS21LS	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21L5A1	LWS21L	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS21L5A1E	LWS21L	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS21L5A1B	LWS21L	100V - 120V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS22LS5A1	LWS22LS	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22LS5A1E	LWS22LS	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22LS5A1B	LWS22LS	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22L5A1	LWS22L	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel
IGLALWS22L5A1E	LWS22L	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel
IGLALWS22L5A1B	LWS22L	100V - 120V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel

Also available in other CCT.

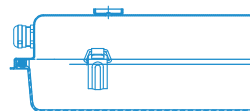
*Ambient Temperature is not applicable for Battery Backup System and Emergency Lighting.

BH Code	Type	Main Voltage	Power	CCT	Ambient Temp (Ta)	System Lumen	Housing
IGLALWS41LS5A1	LWS41LS	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41LS5A1E	LWS41LS	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41LS5A1B	LWS41LS	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41L5A1	LWS41L	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS41L5A1E	LWS41L	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS41L5A1B	LWS41L	100V - 120V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS42LS5A1	LWS42LS	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42LS5A1E	LWS42LS	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42LS5A1B	LWS42LS	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42L5A1	LWS42L	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel
IGLALWS42L5A1E	LWS42L	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel
IGLALWS42L5A1B	LWS42L	100V - 120V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel

Also available in other CCT.

*Ambient Temperature is not applicable for Battery Backup System and Emergency Lighting.

LED WATERTIGHT LUMINAIRE



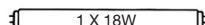
LWS SERIES

- B Denotes : With 3Hr battery backup
- E Denotes : With DC24V emergency LED

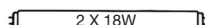
TECHNICAL SPECIFICATIONS



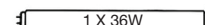
Ideal Replacement:



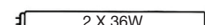
LWS21L for 1X18W



LWS22L for 2X18W



LWS41L for 1X36W



LWS42L for 2X36W

BH Code	Type	Main Voltage	Power	CCT	Ambient Temp (Ta)	System Lumen	Housing
IGLALWS21LS5A2	LWS21LS	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21LS5A2E	LWS21LS	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21LS5A2B	LWS21LS	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21L5A2	LWS21L	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS21L5A2E	LWS21L	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS21L5A2B	LWS21L	220V - 240V AC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS22LS5A2	LWS22LS	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22LS5A2E	LWS22LS	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22LS5A2B	LWS22LS	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22L5A2	LWS22L	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel
IGLALWS22L5A2E	LWS22L	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel
IGLALWS22L5A2B	LWS22L	220V - 240V AC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel

Also available in other CCT.

*Ambient Temperature is not applicable for Battery Backup System and Emergency Lighting.

BH Code	Type	Main Voltage	Power	CCT	Ambient Temp (Ta)	System Lumen	Housing
IGLALWS41LS5A2	LWS41LS	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41LS5A2E	LWS41LS	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41LS5A2B	LWS41LS	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	SUS316 Stainless Steel
IGLALWS41L5A2	LWS41L	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS41L5A2E	LWS41L	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS41L5A2B	LWS41L	220V - 240V AC	1x24W	5000K	-30°C ~ +45°C	2360lm	Zinc Coated Steel
IGLALWS42LS5A2	LWS42LS	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42LS5A2E	LWS42LS	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42LS5A2B	LWS42LS	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	SUS316 Stainless Steel
IGLALWS42L5A2	LWS42L	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel
IGLALWS42L5A2E	LWS42L	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel
IGLALWS42L5A2B	LWS42L	220V - 240V AC	2x24W	5000K	-30°C ~ +45°C	4720lm	Zinc Coated Steel

Also available in other CCT.

*Ambient Temperature is not applicable for Battery Backup System and Emergency Lighting.

BH Code	Type	Main Voltage	Power	CCT	Ambient Temp (Ta)	System Lumen	Housing
IGLALWS21LS5D	LWS21LS	24V DC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	SUS316 Stainless Steel
IGLALWS21L5D	LWS21L	24V DC	1x12.5W	5000K	-30°C ~ +45°C	1350lm	Zinc Coated Steel
IGLALWS22LS5D	LWS22LS	24V DC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	SUS316 Stainless Steel
IGLALWS22L5D	LWS22L	24V DC	2x12.5W	5000K	-30°C ~ +45°C	2700lm	Zinc Coated Steel

Also available in other CCT.