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LE-9600-M

Remote Control Visible and Infrared LED Light - 12-24V, Spot/Flood Beam - Wired Remote, Magnetic Mount

Product ID: 105060



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

This unit is Made In USA - American Made

LE-9600-M Outdoor LED Light

Lamp Technology: LED (Visible Light and Infrared)
Dimensions: -
Weight: -
Voltage: 12-24V DC
Total Watts: 30W
Total Lumens: -
Luminous Efficacy: -
LED Lamp Life Expectancy: 50,000 Hours
Color Temperature: 5000K - Cool White
Color Rendering Index: -
Infrared Wavelength: 950 nm (No Infrared Filters)
Lamp Type: Dual Color LED Assembly
Lamp Base: -
Replacement Lamp: -
Beam Angle: -
Lighting Configuration: Spot and Flood Beam
Beam Selection: Automatic Electronic Flood Lens Diffuser
Power Efficiency: -
Power Factor: -
Rotation: 360° Endless Horizontal Rotation
Remote: Hard Wired Waterproof Connector, Dash Mount
Remote Control Type: Joystick with Home Position Setting, White/Infrared Switch, Spot/Flood Switch
Amps: -
Operating Temp Range: -20°C to +65°C

Ratings/Approvals

ITAR Compliant
UV and Weatherproof
Hard Wired Remote - No RF
Dual Color LED Assembly
Automatic Electronic Flood Lens Diffuser
Approved for Marine, Desert, Snow and Harsh Environments
Control Two Lights w/ One Dash Mount Remote

Housing Materials: -
Housing Finish: -
Internal Parts Materials: Brass and Stainless Steel Components for Corrosion Resistance
Protection: Potted Electrical Boards
Gears: -
Mounting: Magnetic Mount
Wiring: -

Special Orders - Special Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671
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Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

This unit is Made In USA - American Made

The LE-9600-M from Larson Electronics is a Remote Control Visible and Infrared LED Light serving as powerful and durable lighting solution for military, outdoor and extreme environments. This 30-watt unit features a dual color LED assembly and offers a combination of spot and flood light beam configurations. Equipped with a hard wired remote control, the LED light has corrosion resistant parts and a potted internal control board for harsh weather applications. This ITAR compliant light is compatible with magnetic mount installations.

The LE-9600-M series from Larson Electronics LLC is comparable to the Golight 4600 Visible/Infrared LED Spotlight. The Larson Electronics LLC model features both infrared and visible LED assemblies on the same side, versus the Golight 4600 that has the infrared LED assembly 180° opposite from the visible LED assembly. The Larson Electronics LLC LE-9600-M does not require a half rotation of the LED assembly to switch from visible to infrared lighting during blackout situations.

The LE-9600-M features spot and flood beam versatility, as well as visible white light and infrared light capabilities. This 30-watt unit has a color temperature of 5000K (cool white) for visible light operation and offers infrared light with a 950 nm band providing complete covert illumination. No infrared filters are used in this ITAR compliant light. As a result, no special paperwork is needed, unlike military lights that use bandpass infrared filters. A dual color LED assembly keeps both infrared and visible light on the side of the light fixture and maintains the same aim when in the field. Changing between visible light and infrared light is facilitated by a switch.

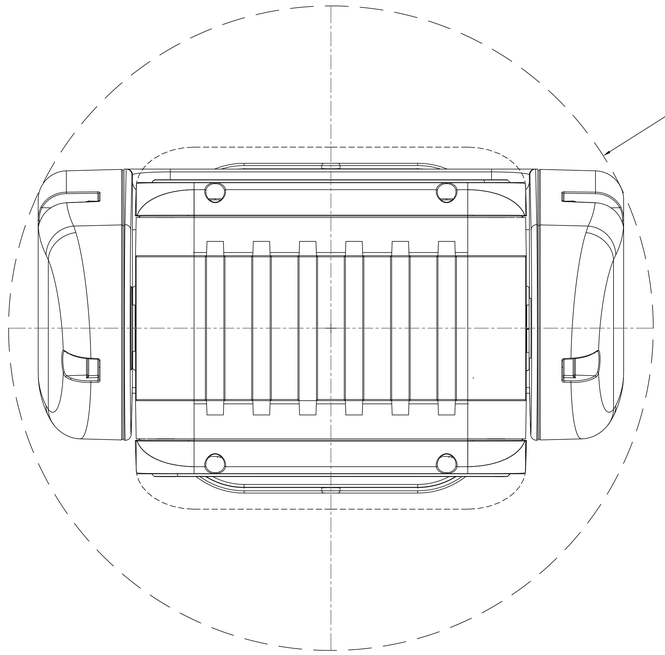
The LE-9600-M is capable of both spot and flood light beam operation. An automatic electronic lens diffuser enables fast switching between the two light configurations. Manual light attachments are not required to switch between spot and flood light beams. This military LED light offers 360 degrees of endless horizontal rotation. The light head can rotate continuously in one direction and does not need to stop and go back to the other direction, resulting in faster light placement and reaction.

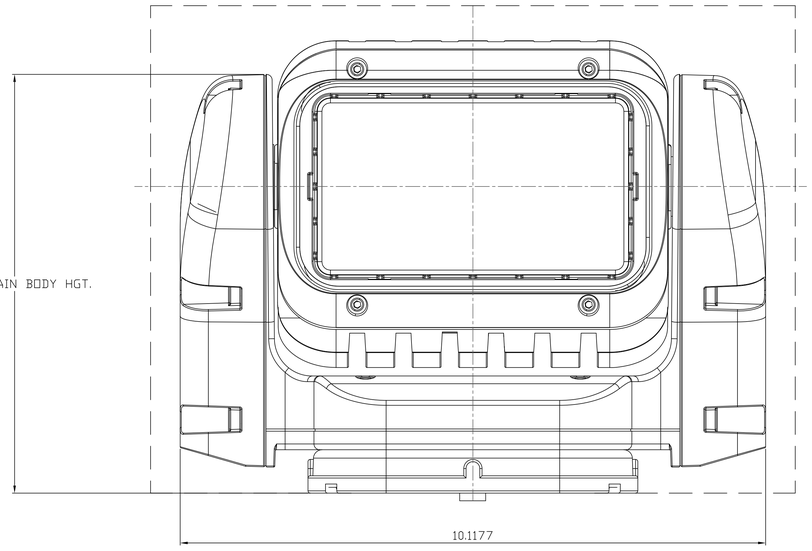
Durability: The LE-9600-M LED light is designed for use in all weather conditions, including marine desert, snow and harsh environments. The components are brass and stainless steel for corrosion resistance and durability. Electrical boards inside the system are potted for resistance to water. Remote movement of this light is provided by commercial grade internal motors.

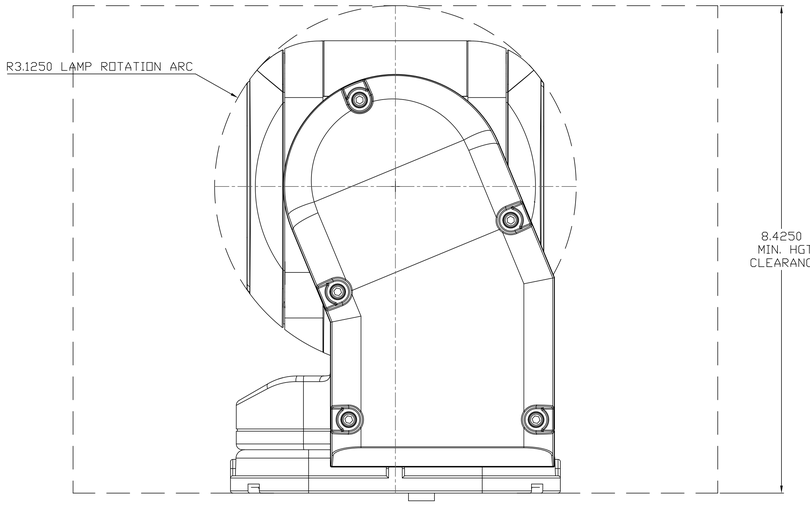
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

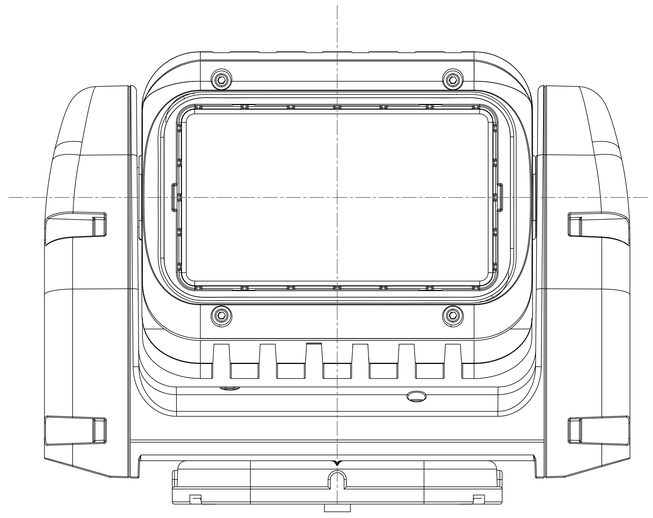
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment

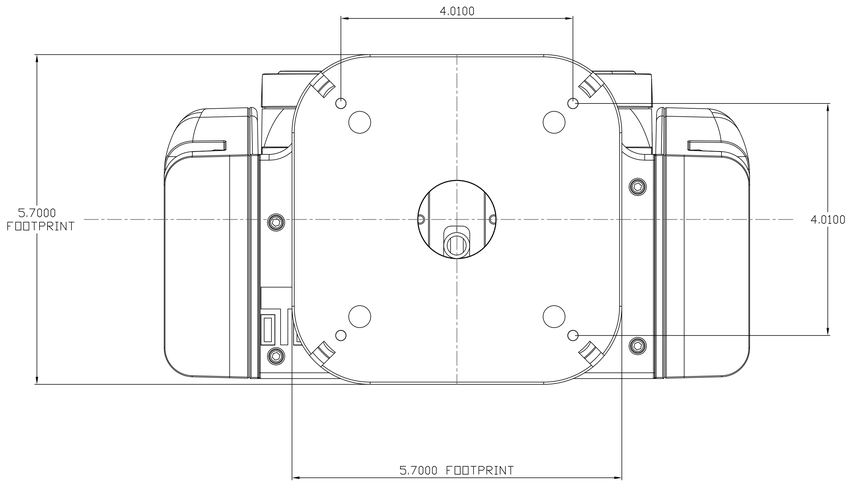
as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.
Wired Remote Operation: These units feature hard wired remote control operation that allows users to rotate the light using a joystick. The hard wired configuration ensures no RF or EMI output, making the unit suitable for military equipment or use around sensitive electronics. Compatible with dash mounting, the remote control has a home setting, as well as fast and slow capabilities based on joystick sensitivity. Variable speed has indicator lights on the remote, displaying the position of the light. Two lights can be controlled using one dash mount remote. A switch is available for changing between the lights. Operators can also switch between visible and infrared light, and spot and flood beams using the remote. The LED light has a waterproof connector between the light and remote.
Power: This light operates on 12-24V DC.
Mounting: The LED light is compatible with magnetic mounting applications via back-located, 200-lb. capacity magnets.
Applications: This high power LED light is ideal for military, outdoor, harsh, patrolling, vehicle, desert, extreme and remote applications.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

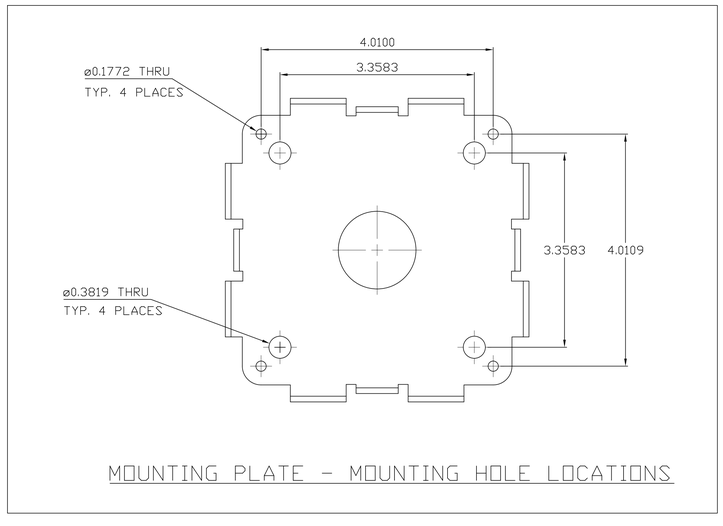












MOUNTING PLATE - MOUNTING HOLE LOCATIONS

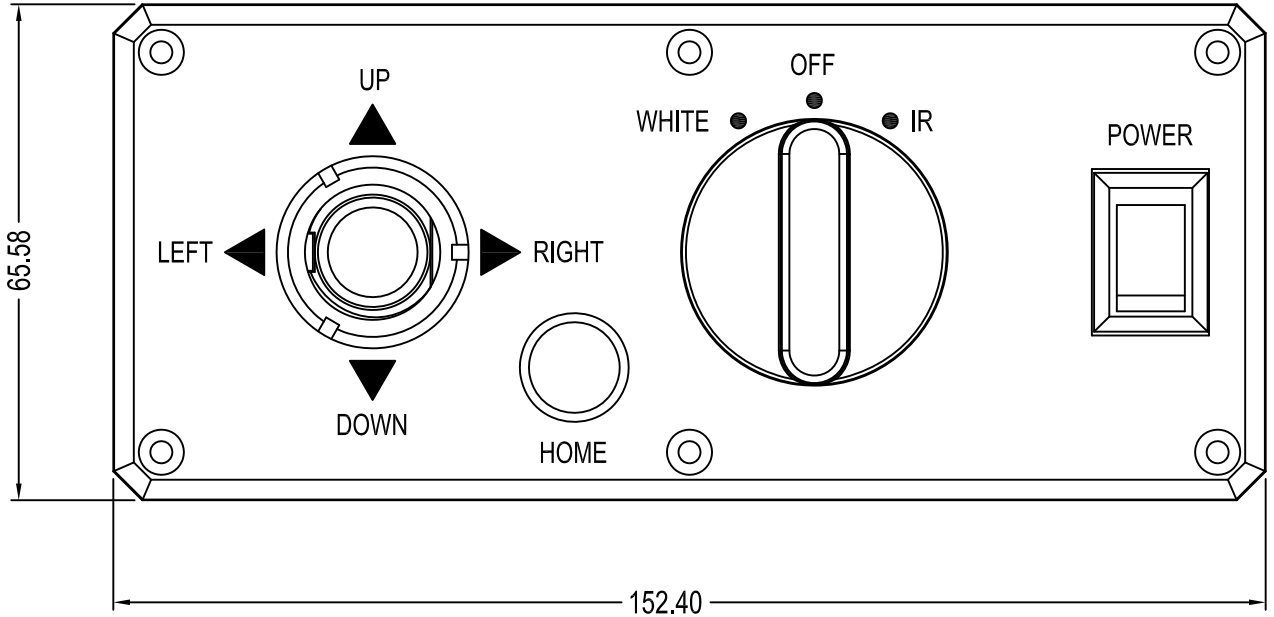
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
DIMENSIONS ARE IN INCHES	DRAWN	WAU	2015/03/25	
TOLERANCES:	CHECKED			
FRACTIONAL ± BEND ±	ENG APPR.			
TWO PLACE DECIMAL ±	MFG APPR.			
THREE PLACE DECIMAL ±	Q.A.			
INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION				

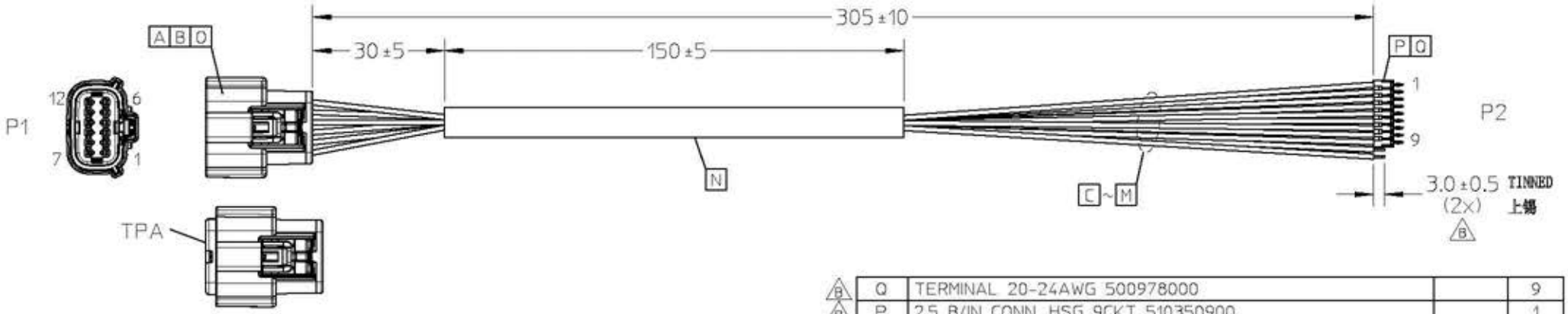
TITLE: GOLIGHT JANUS - BASIC DIMENSIONS

SIZE	DWG. NO.	REV
E	NONE	

SCALE: 1:1 | WEIGHT: | SHEET 1 OF 1


UP
LEFT
RIGHT
DOWN
HOME
OFF
WHITE
IR
POWER
65.58
152.40

REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
	12.11.20	A	INITIAL RELEASE.	LONG JIN
	12.12.14	proposal B	1.ADD P2 CONN. 2.CHG WIRE FROM 20AWG TO 18AWG FOR PIN 1 & PIN 2. 3.ADDED NOTE 4.	LONG JIN
	13.01.22	proposal B1	1.CHG P2 CONN. 2.CHG WIRE FROM 20AWG TO 18AWG.	LONG JIN



PUSH TPA INTO HSG AFTER ASSEMBLED TERMINAL AND KEY
入完所有端子和KEY后按下TPA装进HSG里

NOTES
1. THIS PRODUCT MUST MEET EU 2011/65/EU ROHS COMPLIANCE.
此产品需符合EU 2011/65/EU ROHS环保要求.
2. ELECTRICAL PERFORMANCE REFER TO ES-000.
电气特性参考ES-000.
3. INSERT ITEM O INTO PIN 12 OF P1.
ITEM O需装配到 P1端的 PIN 12.
4. TRIMMED CAVITY PLUG BEFORE WIRES ARE INSTALLED.
B 修剪平防水塞后再入线
5. STICK UL LABEL ON THE OUTSIDE CARTON.
外箱上贴UL 标签

WIRING CHART				
P1	P2	WIRE AWG	COLOR	Instructions
1		18AWG	RED	VDD
2		18AWG	BLACK	GND
3	1	20AWG	GREEN	DOWN
4	2	20AWG	ORANGE	UP
5	3	20AWG	VIOLET	RIGHT
6	4	20AWG	GRAY	LEFT
7	5	20AWG	BLUE	IR
8	6	20AWG	YELLOW	WHITE
9	7	20AWG	WHITE	GO HOME
10	8	20AWG	BROWN	
11	9	20AWG	WHITE/BLUE	GND
12	SEE NOTES 3&4			

ITEM	DESCRIPTION	L(MM)	Q'TY
Q	TERMINAL 20-24AWG 500978000		9
P	2.5 B/IN CONN. HSG 9CKT 510350900		1
O	MX150 BLADE CAVITY PLUG 343450001		1
N	HST F 10MM 125C (UL) BLACK 887805010	150±5	1
M	20AWG,PLATED,PVC,WH/BU,OD=1.80MM,UL1569 172007613	A/R	
L	20AWG,PLATED,PVC,BN,OD=1.80MM,UL1569 172006808	A/R	
K	20AWG,PLATED,PVC,WT,OD=1.80MM,UL1569 172006812	A/R	
J	20AWG,PLATED,PVC,YL,OD=1.80MM,UL1569 172006806	A/R	
I	20AWG,PLATED,PVC,BU,OD=1.80MM,UL1569 172006809	A/R	
H	20AWG,PLATED,PVC,GY,OD=1.80MM,UL1569 172006811	A/R	
G	20AWG,PLATED,PVC,VL,OD=1.80MM,UL1569 172006810	A/R	
F	20AWG,PLTD,PVC,ORG,OD=1.80mm,UL1569 172002758	A/R	
E	20AWG,PLATED,PVC,GN,OD=1.80MM,UL1569 172006807	A/R	
D	18AWG/34STD,PLTD,PVC,RD,OD=2.05MM,UL1569 645800355	A/R	
C	18AWG/34STD,PLTD,PVC,BK,OD=2.05MM,UL1569 645800348	A/R	
B	TERMINAL 18-20AWG 330123002		11
A	MX150 ASSY 1.5 RCPT 2X6 BLK A/12 334721201		1

B B B B

DESCRIPTION REV

QUALITY SYMBOLS
FA=0
FB=0
FC=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACE	±	±
ANGULAR ±	°	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

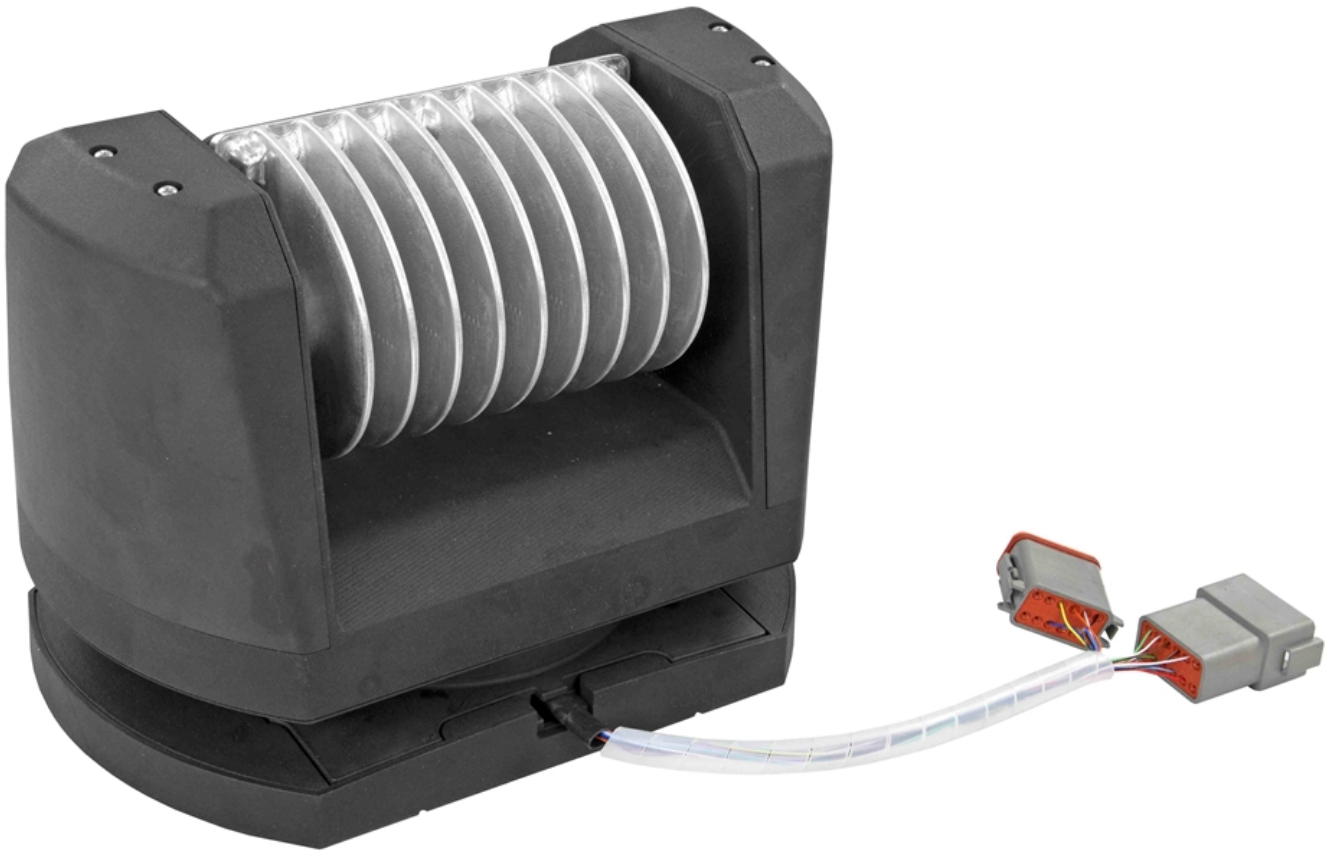
DRAWN BY: XIAOCAN DATE: 2012/09/17
CHECKED BY: LONG JIN DATE: 2012/09/17
APPROVED BY: FRED DATE: 2012/09/17

TITLE: GL-4600 Series
11 wires 18x2+20x9 12"

MATERIAL NO.: 688014093
DOCUMENT NO.: E-68801-3160
SHEET NO.: 1 OF 1
SIZE: A4

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Frequently Asked Questions (FAQ)