EVERSAFE
Working Safety

DATASHEET







LA40-AC

Heavy Duty Housing

Low Power Consumption

Long Life LED’s

Low Maintenance

Designed for Offshore Use

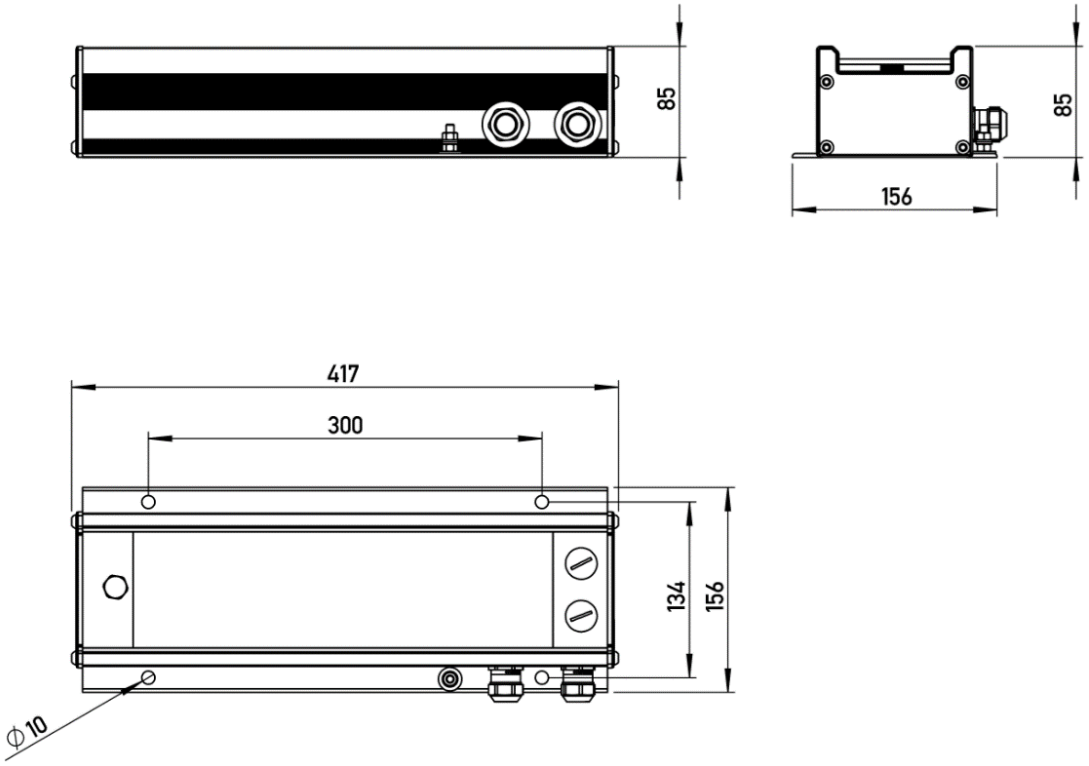
The LA series is a highly efficient and rugged LED light fixture for harsh offshore conditions.

The versatile design with four optical variations can be used for different applications such as work & walkway lights, ID sign lights, etc.

Utilizing low power to provide high output, the LA series is rugged and low maintenance.

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Dimensions & Weight



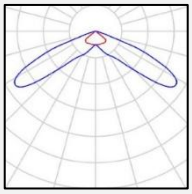
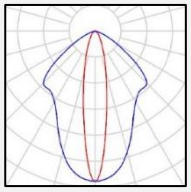
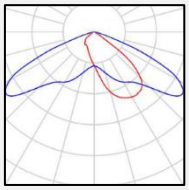
Height	85 mm
Width	156 mm
Length	417 mm
Weight	2,6 kg

Material

Housing / Profile	Extruded Seawater resistant anodized aluminum
End lid	Stainless steel 316 L / 1.4404
Gasket	TPE-K UV-AD2 TC5MUZ
Glass	UV resistant clear polycarbonate

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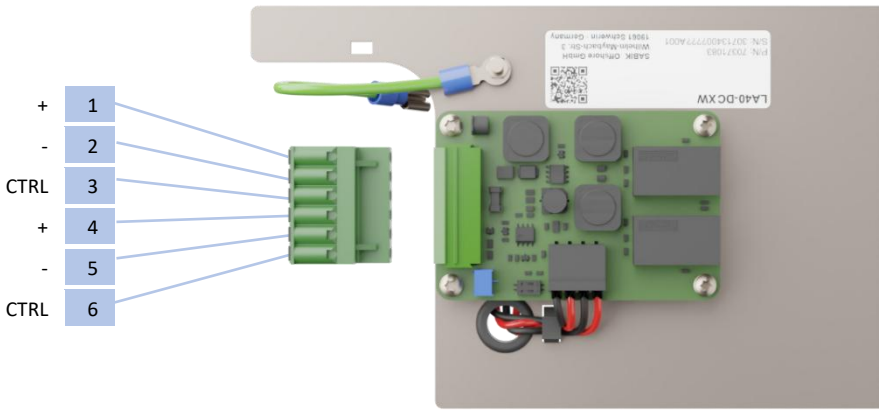
Optical System

Variant		Extra Wide	Narrow	Asymmetric
Product ID		LA40-AC XW	LA40-AC N	LA40-AC AS
Lumen	15 W, 40%	600 lm	680 lm	560 lm
	22 W, 70%	1050 lm	1190 lm	980 lm
	30 W, 100%	1500 lm	1700 lm	1400 lm
Color Temperature		4000 K	4000 K	4000 K
Color Rendering Index (CRI)		> 70 R_a	> 70 R_a	> 70 R_a
Risk group (acc. to EN 61471:2008)		RG1	RG1	RG1
Optical Profile				

Note: blue = horizontal distribution; red = vertical distribution

Electrical Connection

Type	Operating Voltage	Power Consumption	Details
Supply	DC 20 ... 30 V	27 W	93% at 100% luminosity
Control Signal	DC 20 ... 30 V	< 5 mA	PWM of maximum 200Hz and a Duty cycle greater than 10%

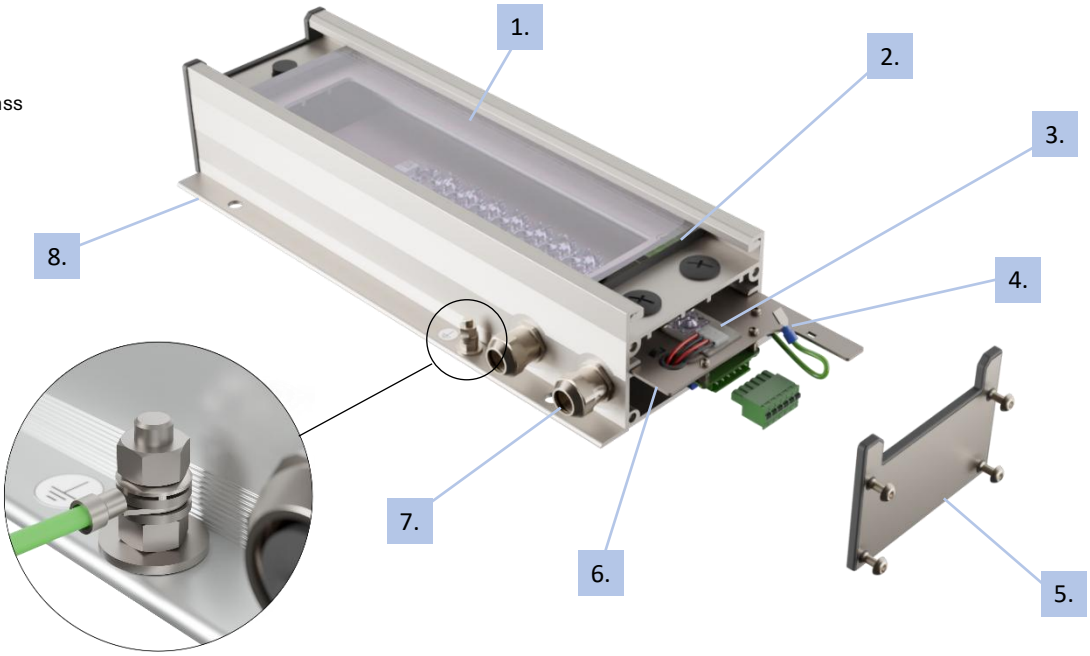


* Max. 5 units on 16 A circuit breaker at 24 V DC

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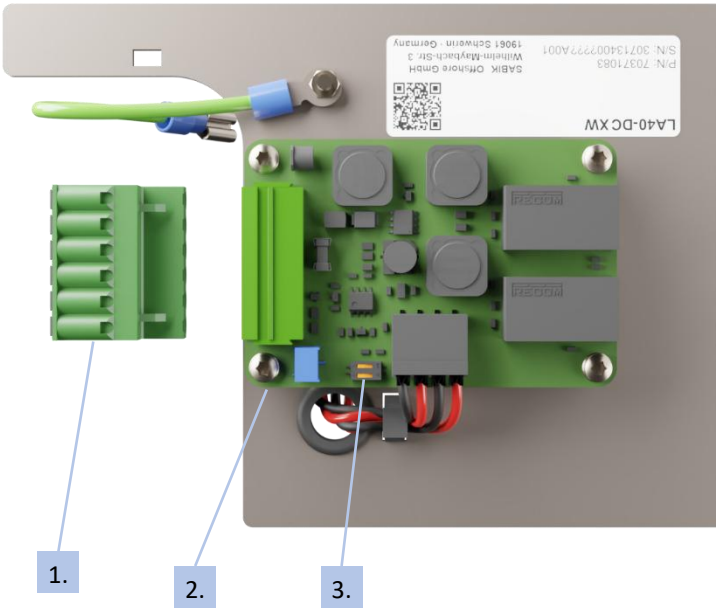
Components

1.	Front Glass
2.	Gasket for Front Glass
3.	LED Board
4.	Earthing
5.	End Cap
6.	Light Engine
7.	Cable Gland
8.	Housing



	Size	For cable diameter	Key width
EMC Cable Gland	M20 x 1.5	8.0 – 15.0 mm	24 mm

1.	Electrical Connection
2.	Driver
3.	Dip Switch



Sw1	Sw2	
0	0	70% Luminosity
0	1	40 % Luminosity
1	x	100 % or external Dimming

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Environmental Conditions

Ambient temperature (operation)	-25 ... +55 °C
Ambient temperature (storage / transport)	-25 ... +70 °C
Humidity (operation / storage / transport)	95% r.h. up to 45°C 70% r.h. for T > 45°C
Atmospheric pressure (operation / storage / transport)	80 ... 108 kPa
Degree of protection (acc. To IEC 60529)	IP66 & IP67
Luminaire classification (acc. to EN 60598-1:2018)	Rough service luminaire

Electrical Safety & Health

Protection class	Class III
Overvoltage protection	Class III
Pollution degree	3

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Compliance

Electromagnetic Compatibility	EN 60945:2002, category “exposed” EN 61547:2009 EN 61000-6-2:2005 EN 61000-6-4:2007 + A1:2011
Environmental	EN 60945:2002, category “exposed” EN 60598-1:2015 + A1:2008 IEC 61892-1:2019
Product Safety	EN 60598-1:2015 + A1:2018 EN 60598-2-1:1989
Health	EN 62471:2008
Mechanical	EN 60945:2002, category “exposed” EN 60598-1:2015 + A1:2018 IEC 61892-1:2019 IEC 61892-3:2019

Reliability

Minimum LED lifetime	60 000 h

Ordering Information

Item Number	Product ID	Variant	Optic
30713400	LA40-DC	XW	Extra Wide
30713401	LA40-DC	N	Narrow
30713403	LA40-DC	AS	Asymmetric

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