RLX® Series

luminell®
simply bright

Proven endurance

Powerful LED floodlights for extreme environments

NOW up to 47% INCREASED LIGHT EFFICIENCY

- Made to handle shocks and vibrations over time
- Seawater resistant and ”easy clean” design
- No maintenance
- Designed and produced in Scandinavia
- Dimmable RLX E
- Compact, robust and sealed
- Excellent EMC characteristics
- Encapsulated internal electronics
- No ballast required
- Submersible version < 40m
- Wide range of accessories and options
- Available for hazardous areas
- 5 years warranty
- Corrosion class C5m

5 YEAR WARRANTY

RLX C Series

RLX D Series

RLX D Ex Series

RLX E Series

	RLX C Series	RLX D Series / RLX D Ex Series	RLX E Series
Input Specifications			
Input voltage range	100 - 305 VAC	100 - 305 VAC	100 - 305 VAC
Alternative voltage range	17 – 31 VDC (12 Volt [1,2])	N/A	N/A
Frequency range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Rated power	80W	160W	230W
Alternative rated power	40W [1]	N/A	N/A
Current at 230VAC	0,35 A (80W)	0,75 A	1,1 A
Leakage current	<0,75 mA /227 VAC	<0,75 mA /227 VAC	<0,75 mA /227 VAC
Inrush current (230VAC cold start)	~65A (445 µs)	~65A (445 µs)	~70A (1010 µs)
Light Specifications			
Initial luminous flux @ Ta 25°C	10.776	21.552	30.014
Minimum color rendering index	70 (CRI)	70 (CRI)	70 (CRI)
Color temperature	+ - 5.000 K	+ - 5.000 K	+ - 5.000 K
Beam angles	10° spot beam - 110° wide beam (see last page)		
Candela (min-max) in 1.000	4,8´ - 110´ cd	9,6´ - 238´ cd	13´ - 330´ cd
Maximum light intensity	1.487 cd/W	1.487 cd/W	1375 cd/W
General Specifications			
Startup time	1 sec.	1 sec.	1 sec.
Operating ambient temperature (Ta)	- 40°C to + 55°C	- 40°C to + 55°C	- 40°C to + 55°C
Storage temperature	- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Weight (apx.)	6.5 kg	10.5 kg	16 kg
Cable gland	1xM20 (6-13mm)	1xM20 (6-13mm)	1xM20 (6-13mm)
Blind caps	1xM20	1xM20	2xM20, 2xM25
IP class	IP 66/67	IP 66/67	IP 66/67
Lifetime prediction (L70) @ Ta 45°C	110.000 hrs	110.000 hrs	110.000 hrs
Corrosion class	C5m ISO 9223/12944 (for offshore and maritime environments)		

For more information see document "Lifetime Prediction RLX.." at our webpage.

Materials

Body / casing / chassis	Seawater resistant; casted, anodized, and powder coated aluminium
Glass	Tempered glass (Polycorbonate on request)
Bracket, bolts, nuts, etc.	Stainless steel AISI 316L (1.4404), A4

Safety Standards for RLX Series

Description	**Standard**
LED modules for general lightning	IEC 62031
Photobiological safety	IEC 62471: 2009 (Low risk - RG1)
Radiated emissions	EN 60945
Radiated and conducted	MIL-STD461F (only RLX D with protection grid)
EMS immunity	EN 61000-4-2,3,4,5,6,8,11

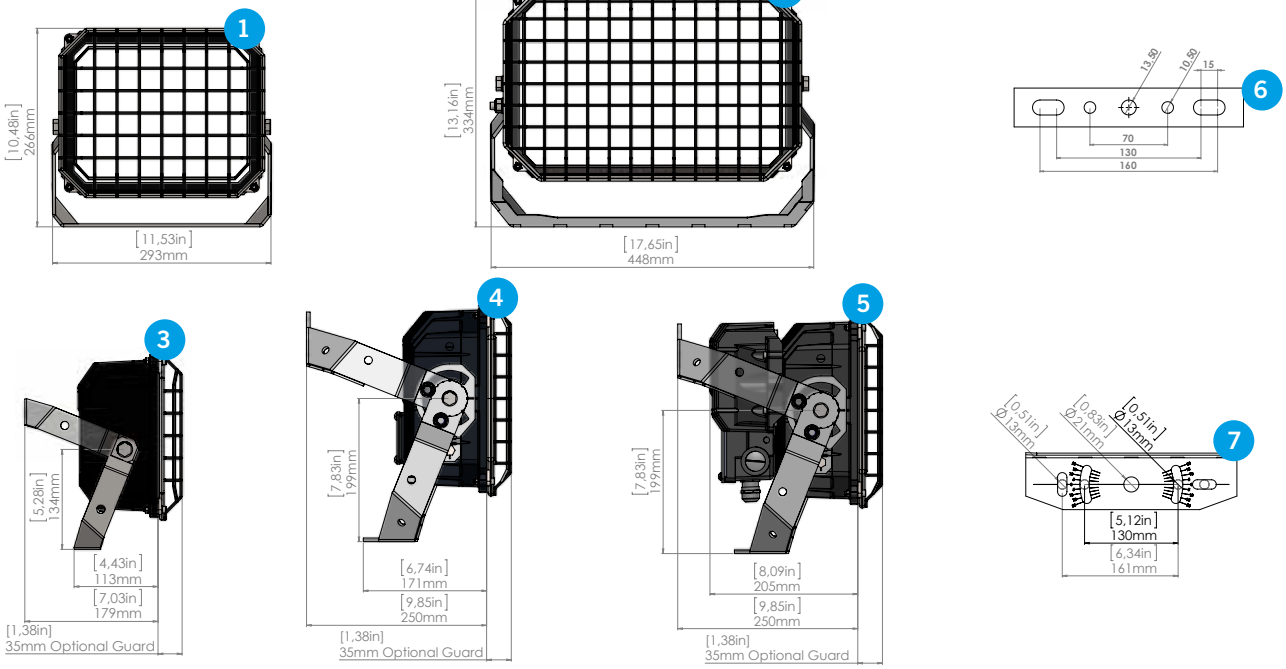
[1] On request

[2] Specification: 10-30 VDC, 5A@12V, 60W, 7218 lm @ 11< V

RLXC Series | RLXD Series | RLXD Ex Series | RLXE Series

Dimentions and Mounting

Front view	Fig.1	Fig.2	Fig.2	Fig.2
Side view	Fig.3	Fig.4	Fig.4	Fig.5
Bracket	Fig.6	Fig.7	Fig.7	Fig.7



RLX D Ex nA zone 2*

Marking	Ex II 3G Ex nA IIC T5 Gc
Certificate	TÜV 12 ATEX 104001 X
ATEX directive safety	EN 60079-0:2012
ATEX directive safety	EN 60079-15:2010
Operating ambient temperature (Ta)	- 25°C to + 55°C
Cable gland	1xM20 (9-16mm)

Available with fixed cable (see separate leaflet)

* All other specifications are same as RLX D (see page 2).

Options and Accessories

- Casing available in white color as option/upon request
- Light color available in: red, blue, white/red, white/blue, green, cool white 12 K
- Manual dimming knob, M20 IP 67
- Specialized products on request
- Internal lux switch on request
- Icing protection

Protection grid

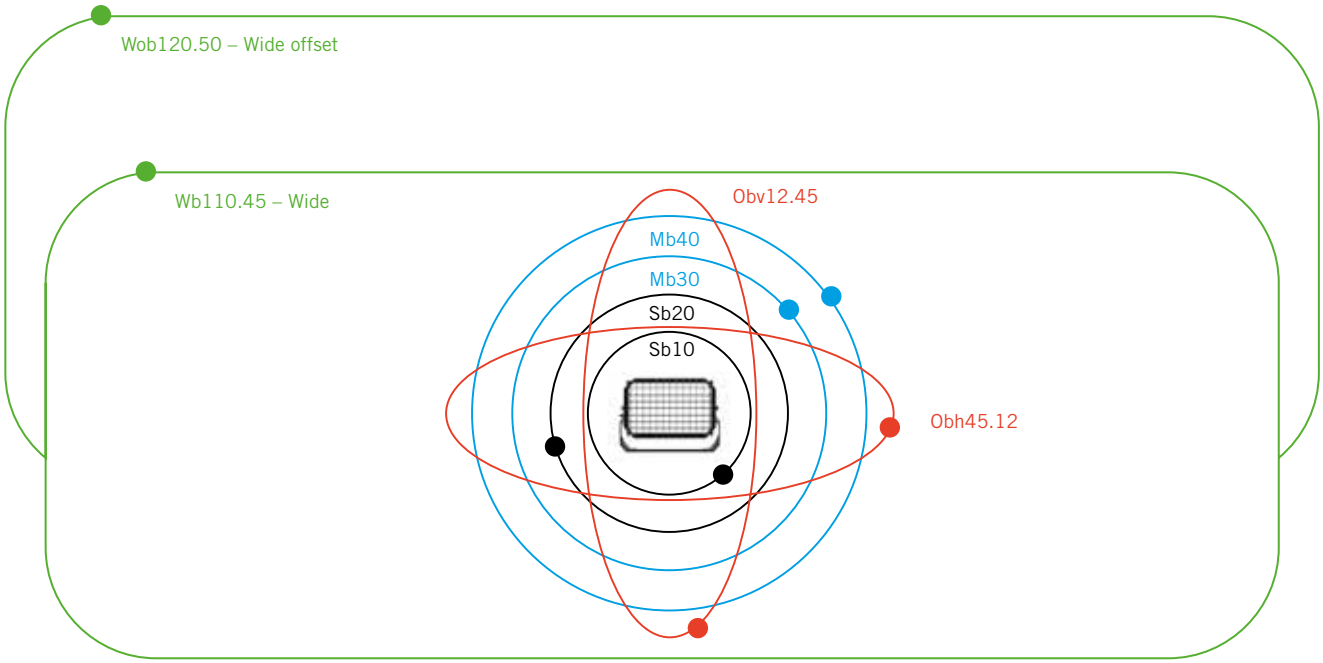
Lux switch

Submersible IP68 < 40m

Damper (Pendulum mounting)

RLX Series, standard beam alternatives

Beam group	Beam code	Light projection – diameter, 10m distance	Color code
Spot beams (Sb)	Sb10 Sb20	2m 3m	●
Medium beams (Mb)	Mb30 Mb40	5,4m 7m	●
Wide beams (Wb)	Wb110.45 (Wide) Wob120.50 (Wide offset)	28m 34m	●
Oval beams (Ob)	Obh45.12 Obv12.45	8,2 x 2m 2 x 8,2m	●



Specifications are subject to change at any point without prior notice.

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