### LIGHTING SOLUTIONS



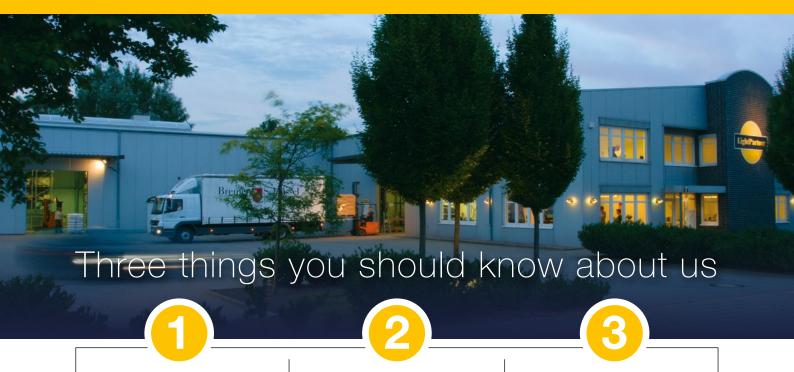
Ships that shine





### Ships that shine

### PHILOSOPHY



Established by experienced specialists in 1995, Lightpartner® has developed into the leading provider of marine lighting technology within only a few years.

As our customer, you have a range of products at your disposal that is unique in scope and quality – from the sophisticated special solution for luxury liners to the standard luminaire for container vessels.

We see ourselves as a creative, reliable and fair partner for shipyards, shipping companies and architects, with whom we cooperate on a basis of trust.

All of this together defines for us the new standard in marine lighting technology. We want to be measured according to this yardstick – in the future as well.

# What we think about partnership

The shipping industry is characterized by fierce competition. This is why our goal has been and still is to open up new scope to our customers through a product range that is unique worldwide in terms of its extensiveness and quality: on the basis of onschedule delivery, price competitiveness, innovativeness and strict orientation to their needs.

We help when there are problems. Unconventionally, within the shortest possible time and through personal commitment. In this way we want to return some of the trust that our customers place in us.

# We are there where you need us

Shipping is international and so is LIGHTPARTNER: Thanks to our agents at all major shipbuilding centers we are within a short distance everywhere where you need us. Thus, when we talk about being close to the customer, we mean that literally.

# Whatever you need, we make it possible

LIGHTPARTNER sees itself as your creative partner who examines individual ideas and concepts creatively, implements them innovatively and advises you competently. From the first pencil outline of an idea to the prototype and from there all the way to the finished product, we require very little time. And finishing is carried out according to the highest quality standards:

High-end products for high-end ships.

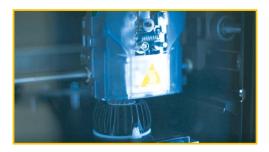


# Leading in marine lighting

In addition to know-how, high quality and punctual delivery, LIGHTPARTNER also offers an extremely favorable cost-benefit ratio here. Functional, lowmaintenance and long-lasting, our lighting units meet all requirements of modern, cost-optimized shipping.











LIGHTPARTNER stands for leading state-of-the-art technology.



### REGISTER

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### FLOODLIGHTS



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0.0	ST80S	14
000	ST80M	15
00	ST80L	16
000	ST80XL	17
	ST81S	18
	ST81L	19

### ST76S



### PART NO.

ST76 S 1×22°	5101005320-000
ST76 S 1×37°	5101005320-002
ST76 S 1×52°	5101005320-014
ST76 S 1×91°	5101005320-011

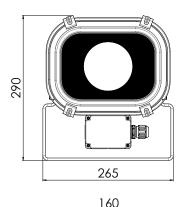
عر	SPARE PARTS	PART NO.
	Cover with frame	7902004400
	Bracket	7501007100
	Reflector kit 22°	7901003400
	Reflector kit 37°	7901003500
	Reflector kit 52°	7901003600
	Reflector kit 91°	7901003700

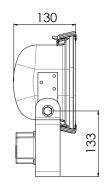
### HIGH EFFICIENT, STAINLESS STEEL LED FLOODLIGHT FOR DECKS AND HOLDS

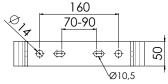
According to rules of maritime classification societies and relevant standards
Stainless steel, 1.4404 (AISI 316L), seamless deep drawn powder coated white (RAL9016)
Tempered glass, DIN 12150, partially lacquered
Stainless steel bracket, adjustable
Exterior connection box, cable gland M20
IP67
4.0 kg
1× LED array
1×25 W
5,700 K
3,000 lm
≥ 80
110-240 V AC
50–60 Hz

### **EXTRAS**

- > 24 V DC execution
- > Different cable glands
- > Different color temperatures







[mm]





Find our complete

# ST76M



ST76 M 2 × 37°

ST 76 M 2 × 52°

ST76 M 2 × 91°

5101005820-001

5101005820-000 5101005820-002

5101005820-027

# SPARE PARTS PART NO. Cover with frame 7902003800 Bracket 7501000300 Reflector kit 22° 7901003400 Reflector kit 37° 7901003500 Reflector kit 52° 7901003600 Reflector kit 91° 7901003700

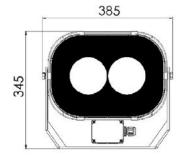
### HIGH EFFICIENT, STAINLESS STEEL LED FLOODLIGHT FOR DECKS AND HOLDS

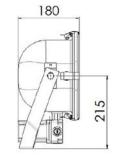
Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, 1.4404 (AISI 316L), seamless deep drawn powder coated white (RAL9016)
Safety pane	Tempered glass, DIN 12150, partially lacquered
Mounting	Stainless steel bracket, adjustable
Cable entry	Exterior connection box, cable gland M20
Protection class	IP67
Weight	6.4 kg
Light source	2×LED array
Wattage	2×25 W
CCT (color)	5,700 K
Luminous flux	6,000 lm
CRI	≥ 80
Voltage	110-240 V AC

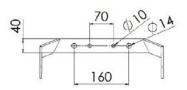
50-60 Hz

### **EXTRAS**

- > 24 V DC execution
- > Different cable glands
- > Reflectors with different beam angles can be combined
- > Different color temperatures







[mm]



**Frequency** 



### ST76L



### PART NO.

ST76 L 3 × 22°	5101005720-001
ST76 L 3 × 37°	5101005720-000
ST76 L 3 × 52°	5101005720-002
ST76 L 3 × 91°	5101005720-015

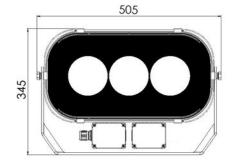
مر	SPARE PARTS	PART NO.
	Cover with frame	7902003500
	Bracket	7501000100
	Reflector kit 22°	7901003400
	Reflector kit 37°	7901003500
	Reflector kit 52°	7901003600
	Reflector kit 91°	7901003700

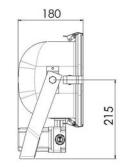
### HIGH EFFICIENT, STAINLESS STEEL LED FLOODLIGHT FOR DECKS AND HOLDS

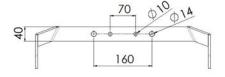
Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, 1.4404 (AISI 316L), seamless deep drawn powder coated white (RAL9016)
Safety pane	Tempered glass, DIN 12150, partially lacquered
Mounting	Stainless steel bracket, adjustable
Cable entry	Exterior connection box, cable gland M20
Protection class	IP67
Weight	8.7 kg
Light source	3×LED array
Wattage	3×25 W
CCT (color)	5,700 K
Luminous flux	8,000 lm
CRI	≥ 80
Voltage	110-240 V AC
Frequency	50–60 Hz

### **EXTRAS**

- > 24 V DC execution
- > Different cable glands
- > Reflectors with different beam angles can be combined
- > Different color temperatures







[mm]











### HIGH EFFICIENT, STAINLESS STEEL LED FLOODLIGHT FOR DECKS AND HOLDS

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, 1.4404 (AISI 316L), seamless deep drawn powder coated white (RAL9016)
Safety pane	Tempered glass, DIN 12150, partially lacquered
Mounting	Stainless steel bracket, adjustable
Cable entry	Exterior connection box, cable gland M20
Protection class	IP67
Weight	15.2 kg
Light source	4 × LED array
Wattage	4×25 W
CCT (color)	5,700 K
Luminous flux	11,000 lm
CRI	≥ 80
Voltage	110-240 V AC
Frequency	50–60 Hz

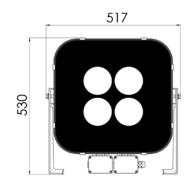
### PART NO.

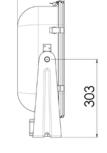
ST76 XL 4 × 22°	5101005520-000
ST76 XL 4 × 37°	5101005520-001
ST76 XL 4 × 52°	5101005520-002
ST76 XL 4 × 91°	5101005520-005

SPARE PARTS	PART NO.	
Cover with frame	7902003400	
Bracket	7501006200	
Reflector kit 22°	7901003400	
Reflector kit 37°	7901003500	
Reflector kit 52°	7901003600	
Reflector kit 91°	7901003700	

### **EXTRAS**

- > 24 V DC execution
- > Different cable glands
- > Reflectors with different beam angles can be combined
- > Different color temperatures





180



[mm]





### ST80S



### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

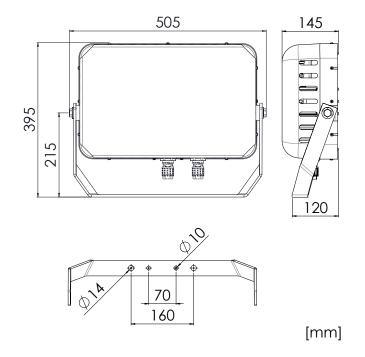
Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1x Cable Ø 9-14mm
Protection class	IP66/67
Weight	8.9 kg
Light source	2 × LED engine
Wattage	2×50 W
CCT (color)	5,000 K
Luminous flux	12,000 lm
Voltage	120-277 V AC
Frequency	50-60 Hz

### PART NO.

ST80 S 2×22°	5101007900-002
ST80 S 2×37°	5101007900-001
ST80 S 2×52°	5101007900-003
ST80 S 2×91°	5101007900-004

> SPARE PARTS	PART NO.	
PC hood	7502008000	
Bracket	7501000100	
Cable entry	7211004800	

- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 x IDC Fast connection, 2 x cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood











### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

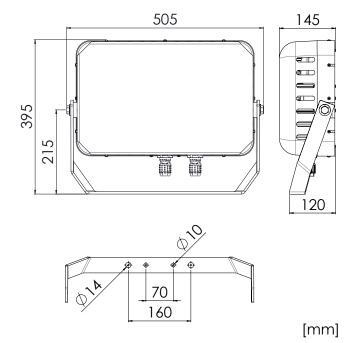
Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1×Cable Ø 9-14mm
Protection class	IP66/67
Weight	10.0 kg
Light source	3 × LED engine
Wattage	3×50 W
CCT (color)	5,000 K
Luminous flux	18,000 lm
Voltage	120-277 V AC
Frequency	50–60 Hz

### PART NO.

ST80 M 3 × 22°	5101007300-001
ST80 M 3×37°	5101007300-006
ST80 M 3 × 52°	5101007300-011
ST80 M 3 × 91°	5101007300-003

عر	SPARE PARTS	PART NO.
	PC hood	7502008000
	Bracket	7501000100
	Cable entry	7211004800

- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 x IDC Fast connection, 2 x cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood









### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1x Cable Ø 9-14mm
Protection class	IP66/67
Weight	12.0 kg
Light source	4 × LED engine
Wattage	4×50 W
CCT (color)	5,000 K
Luminous flux	24,000 lm
Voltage	120-277 V AC
Frequency	50-60 Hz

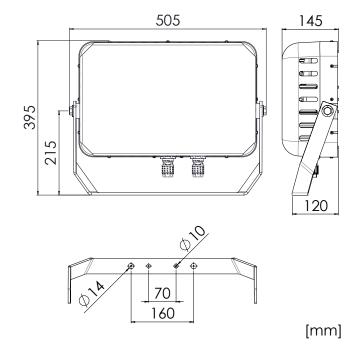
### PART NO.

ST80 L 4 × 22°	5101007200-006
ST80 L 4 × 37°	5101007200-003
ST80 L 4 × 52°	5101007200-004
ST80 L 4 × 91°	5101007200-001

> SPARE PARTS	PART NO.	
PC hood	7502008000	
Bracket	7501000100	
Cable entry	7211004800	

### **EXTRAS**

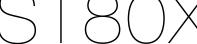
- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 × IDC Fast connection, 2 × cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood



Find our complete









### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1x Cable Ø 9-14mm
Protection class	IP66/67
Weight	14.0 kg
Light source	6 × LED engine
Wattage	6×50 W
Equivalent	400 W HST/HIT
CCT (color)	5,000 K
Luminous flux	36,000 lm
Voltage	120-277 V AC
Frequency	50-60 Hz

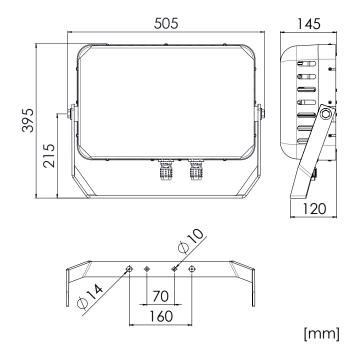
### PART NO.

ST80 XL 6 × 22°	5101006600-005
ST80 XL 6 × 37°	5101006600-006
ST80 XL 6 × 52°	5101006600-007
ST80 XL 6 × 91°	5101006600-008

→ SPARE PARTS PARTS  PART	ART NO.
PC hood 78	502008000
Bracket 75	501000100
Cable entry 72	211004800

### **EXTRAS**

- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 x IDC Fast connection, 2 x cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood



Find our complete





# ST81S



### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

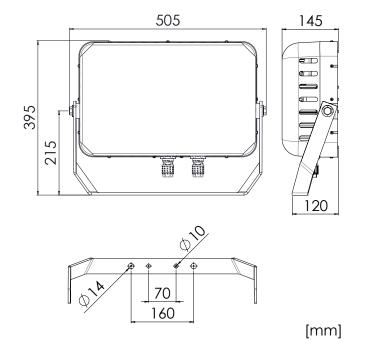
Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1×Cable Ø 9-14mm
Protection class	IP66/67
Weight	9.5 kg
Light source	2 × LED engine
Wattage	2×55 W
CCT (color)	5,700 K
Luminous flux	15,000 lm
Voltage	120-277 V AC
Frequency	50-60 Hz
	-

### PART NO.

ST81 S 2 × 22°	5101009500-001
ST81 S 2 × 37°	5101009500-002
ST81 S 2 × 52°	5101009500-003
ST81 S 2 × 91°	5101009500-004

> SPARE PARTS	PART NO.	
PC hood	7502008000	
Bracket	7501000100	
Cable entry	7211004800	

- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 x IDC Fast connection, 2 x cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood







## ST81L



### HIGH POWER LED FLOODLIGHT FOR DECKS, HOLDS AND SEAPORTS

Design	According to rules of maritime classification societies and relevant standards
Housing	Gear tray stainless steel 1.4404 (AISI 316L), powder coated RAL9016. Back side covered with opal PC hood
Safety pane	Tempered glass, DIN 12150, clear
Mounting	Stainless steel bracket, adjustable
Cable entry	IDC fast connection, 1x Cable Ø 9-14mm
Protection class	IP66/67
Weight	11.0 kg
Light source	4 × LED engine
Wattage	4×55 W
Equivalent	400 W HST/HIT
CCT (color)	5,700 K
Luminous flux	30,000 lm
Voltage	120-277 V AC
Frequency	50-60 Hz

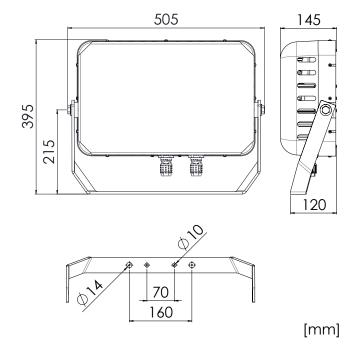
### PART NO.

ST81 L 4 × 22°	5101008900-001
ST81 L 4 × 37°	5101008900-002
ST81 L 4 × 52°	5101008900-003
ST81 L 4 × 91°	5101008900-004

SPARE PARTS	PART NO.	
PC hood	7502008000	
Bracket	7501000100	
Cable entry	7211004800	

### EXTRAS

- > Reflectors with different beam angles can be combined
- > CCT also optional in 2,700-4,000 K available
- > Cable entry: 2 × IDC Fast connection, 2 × cable Ø 9-14 mm
- > Power supply: preinstalled connection cable 3G2.5, 3 meters
- > Stainless steel hood







Find our complete



### TECHNICAL AND OUTDOOR LUMINAIRES



	TL VARIO M	22
	TL VARIO L	23
<u> </u>	TL40S	26
	TL40L	27
-	TL09	29
+	TL53S	30
+	TL53L	31
	KL63	32
	KL/KR61ZS	33
	KL/KR61ZL	35
1	EX40S	36
	EX40L	37
00	SL97	38

### MULTIPURPOSE WATERTIGHT LED LUMINAIRE

### Vario M





### PART NO.

TL Vario M 5145000500-xxx

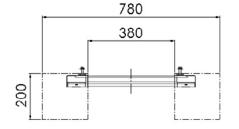
### **EXTRAS**

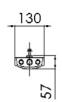
- > Battery backup unit
- > Customized mounting brackets
- > Shock proof execution
- > Additional red or green light
- > Through wiring
- > Different cable glands
- > Different supply voltages

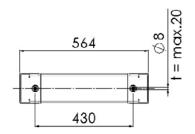


### MULTIPURPOSE WATERTIGHT LUMINAIRE FOR ENGINE ROOMS, WORK SHOPS, STORES, PASSAGE WAYS AND OUTDOOR AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing/ cover	Opal polycarbonate, impact-proof, UV-resistant
Mounting	Different systems available, see next page
Cable entry	Max. 4 cable glands M20, max. 2 cable glands M25
Protection class	IP66/67
Weight	1.9 kg
Light source	Linear LP LED modules
Wattage	Max. 20 W
CCT (color)	4,000 K or 3,000 K
Luminous flux	2,200 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz







[mm]





Find our complete

### MULTIPURPOSE WATERTIGHT LED LUMINAIRE



TL Vario L 5145000600-xxx

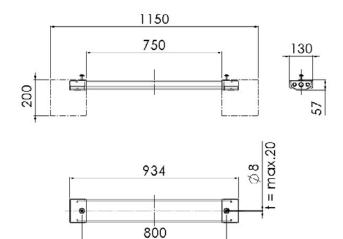
### **EXTRAS**

- > Battery backup unit
- > Customized mounting brackets
- > Shock proof execution
- > Additional red or green light
- > Through wiring
- > Different cable glands
- > Different supply voltages



### MULTIPURPOSE WATERTIGHT LUMINAIRE FOR ENGINE ROOMS, WORK SHOPS, STORES, PASSAGE WAYS AND OUTDOOR AREAS

	Design	According to rules of maritime classification societies and relevant standards
	Housing/ cover	Opal polycarbonate, impact-proof, UV-resistant
	Mounting	Different systems available, see next page
ı	Cable entry	Max. 4 cable glands M20, max. 2 cable glands M25
	Protection class	IP66/67
,	Weight	2.8 kg
	Light source	Linear LP LED modules
,	Wattage	Max. 40 W
	CCT (color)	4,000 K or 3,000 K
	Luminous flux	4,500 lm
	CRI	≥ 80
,	Voltage	220–240 V AC
	Frequency	50–60 Hz



[mm]



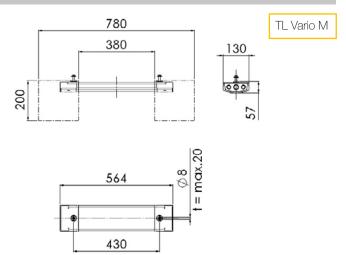


Find our complete

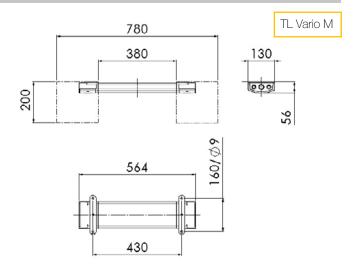
### **MOUNTING SYSTEMS**

# L Vario

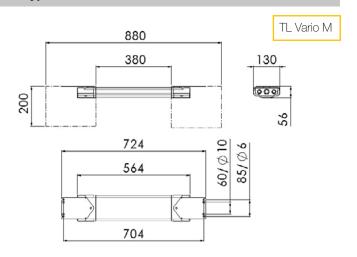
### Type: Bolt kit 8 mm



Type: LP160



Type: LP GL



Type: Bolt kit 8 mm



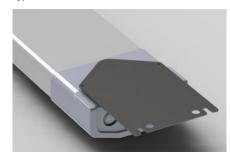
Type: LP160



Type: LP200



Type: LP GL



Find our complete





### MULTIPURPOSE WATERTIGHT LUMINAIRE





MULTIPURPOSE WATERTIGHT LUMINAIRE FOR ENGINE ROOMS, WORK SHOPS, STORES, PASSAGE WAYS AND OUTDOOR AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, seamless deep drawn, powder coated white (RAL9016)
Cover	Clear or opal polycarbonate, impact-proof, UV resistant
Mounting	Different systems available, see next page
Cable entry	Max. 4 cable glands M20
Protection class	IP67
Light source	Linear LP LED modules with anti-glare cover
Wattage	Max. 20 W / HO: max. 30 W
CCT (color)	4,000 K
Luminous flux	2,200 lm / HO: 4,500 lm (clear cover)
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz

#### PART NO.

TL40S 5105012000-xxx TL40S HO 5105012900-xxx

عر	SPARE PARTS	PART NO.
	Clear cover TL40S	7112001100
	Opal cover TL40S	7112001900
	Clamps (6 pcs)	7106000300

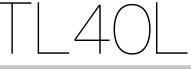
- > TL40S Plus: -40°C ... +60°C
- > Stainless steel housing
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > LED mounting tray as refit for TL40 fluorescent types
- > Exterior connection box
- > Emergency battery back-up
- > Different color temperatures
- > Different cable glands
- > IP66





### MULTIPURPOSE WATERTIGHT LUMINAIRE







MULTIPURPOSE WATERTIGHT LUMINAIRE FOR ENGINE ROOMS, WORK SHOPS, STORES, PASSAGE WAYS AND OUTDOOR AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, seamless deep drawn, powder coated white (RAL9016)
Cover	Clear or opal polycarbonate, impact-proof, UV resistant
Mounting	Different systems available, see next page
Cable entry	Max. 4 cable glands M20
Protection class	IP67
Light source	Linear LP LED modules with anti-glare cover
Wattage	Max. 40 W / HO: max. 60 W
CCT (color)	4,000 K
Luminous flux	4,500 lm / HO: 8,100 lm (clear cover)
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz

### PART NO.

TL40L 5105012100-xxx TL40L HO 5105013000-xxx

عر	SPARE PARTS	PART NO.
	Clear cover TL40L	7112001200
	Opal cover TL40L	7112002000
	Clamps (8 pcs)	7106002200

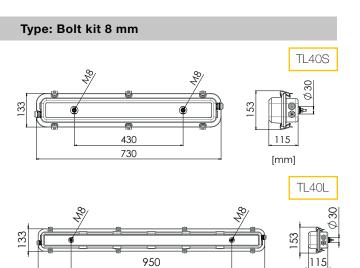
- > TL40L Plus: -40°C ... +60°C
- > Stainless steel housing
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > LED mounting tray as refit for TL40 fluorescent types
- > Exterior connection box
- > Emergency battery back-up
- > Different color temperatures
- > Different cable glands
- > IP66



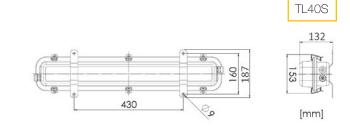


[mm]

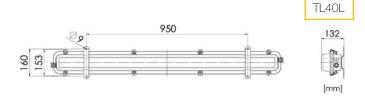
### MOUNTING SYSTEMS



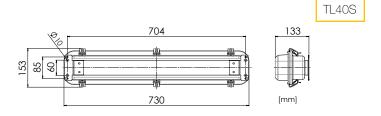
Type: LP160

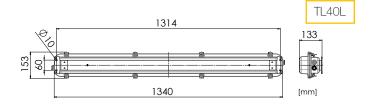


1340



Type: LP GL





Type: Bolt kit 8 mm



Type: LP160



Type: LP GL



Type: Pipe brackets



Find our complete





### WATERTIGHT LED LUMINAIRE





### PART NO.

TL09 5105009800-004
TL09 HO 5105013500-xxx

SPARE PARTS
PART NO.

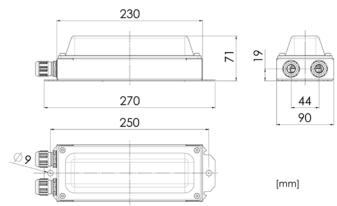
Opal cover 7925000800

### **EXTRAS**

- > Stainless steel housing
- > Emergency battery back-up
- > Different cable glands
- > 120 V AC execution

### MULTIPURPOSE WATERTIGHT LUMINAIRE FOR DECKS, STORES, ENGINE ROOMS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Cover	Opal polycarbonate
Mounting	2 mounting holes, Ø 9 mm
Cable entry	2 cable glands M20, nickel plated brass
Protection class	IP67
Weight	1.5 kg
Light source	LED module
Wattage	Max. 4 W / HO: max. 6 W
CCT (color)	4,000 K
Luminous flux	350 lm / HO: 950 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz







### PRESSURE WATERTIGHT LED LUMINAIRE





### PART NO.

TL53S 5105011700-002 TL53S HO 5105011700-001

> SPARE PARTS	PART NO.

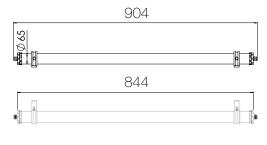
Clear tube TL53S 7112036500 Fixing clamp 7501000401

### **EXTRAS**

- > 24 V DC execution
- > 120 V AC execution
- > Different lengths

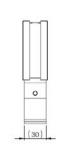
### PRESSURE WATERTIGHT LUMINAIRE FOR OPEN DECKS AND DECK RAILS, ABLE TO RESIST HEAVY SEAS

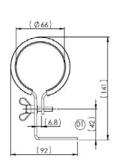
Design	According to rules of maritime classification societies and relevant standards
Housing/ cover	Clear polycarbonate, impact-proof, UV-resistant
Mounting	2 stainless steel fixing clamps (not included)
Cable entry	2 cable glands M20, PA 6
Protection class	IP68
Weight	1.4 kg
Light source	Linear LP LED module
Wattage	Max. 9 W / HO: max. 18 W
CCT (color)	4,000 K
Luminous flux	1,200 lm / HO: 2,200 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz



[mm]

### fixing clamp









### PRESSURE WATERTIGHT LED LUMINAIRE





TL53L 5105011800-002

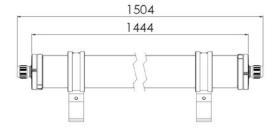
> SPARE PARTS	PART NO.
Clear tube TL53L	7112038200
Fixing clamp	7501000401

### **EXTRAS**

- > 24 V DC execution
- > 120 V AC execution
- > Different lengths

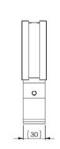
### PRESSURE WATERTIGHT LUMINAIRE FOR OPEN DECKS AND DECK RAILS, ABLE TO RESIST HEAVY SEAS

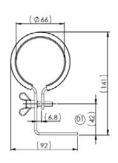
Design	According to rules of maritime classification societies and relevant standards
Housing/ cover	Clear polycarbonate, impact-proof, UV-resistant
Mounting	2 stainless steel fixing clamps (not included)
Cable entry	2 cable glands M20, PA 6
Protection class	IP68
Weight	2.2 kg
Light source	Linear LP LED module
Wattage	Max. 18 W
CCT (color)	4,000 K
Luminous flux	2,400 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz



[mm]

### fixing clamp





Find our complete

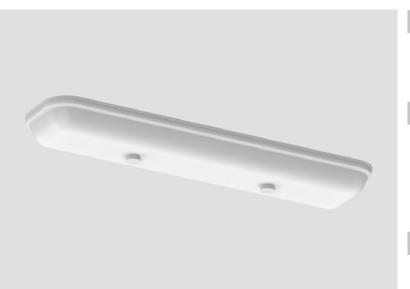




### KITCHEN AND COLDROOM LUMINAIRE







### SURFACE LUMINAIRE FOR KITCHENS, PANTRIES, PROVISION STORES AND COLDROOMS

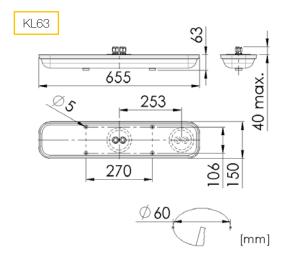
Design	According to rules of maritime classification societies and regulation of USPH
Base plate	Stainless steel
Cover	Opal polycarbonate, impact proof, UV-resistant
Mounting	4 mounting holes, Ø 5.2 mm
Cable entry	2 × M20 PA6 cable glands
Protection class	IP56 / IP67
Weight	2.1 kg / HO: 2.3 kg
Light source	Linear LP LED modules with anti glare cover
Wattage	Max. 20 W / HO: max. 40 W
CCT (color)	4,000 K
Luminous flux	2,200 lm / HO: 4,500 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz

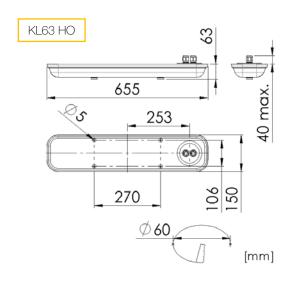
#### PART NO.

KL63 5106001500-001 KL63 HO 5106001600-001

> SPARE PARTS	PART NO.
Opal cover KL63	7112041300
Mounting kit for lamp cover (6 pcs)	7508003100
Gasket KL63	7301009400

- > 120 V AC execution
- > 24 V DC execution
- > Different color temperatures on request
- > Different cable glands











#### PART NO.

KL/KR61ZS 5107000820-020 KL/KR61ZS HO 5107000820-033

> SPARE PARTS	PART NO.

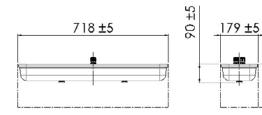
Clear cover KL/KR61ZS 7112038300 Mounting kit for lamp cover 7508002800 (6 pcs) Gasket KL/KR61ZS 7301007600

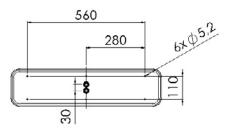
### **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > LED mounting tray as refit for KL/KR61Z fluorescent types
- > Different color temperatures on request
- > Different cable glands

#### SURFACE LUMINAIRE FOR KITCHENS, PANTRIES, PROVISION STORES AND COLDROOMS

Design	According to rules of maritime classification societies and regulation of USPH
Base plate	Stainless steel
Cover	Clear polycarbonate, impact proof, UV-resistant
Mounting	6 mounting holes, Ø 5.2 mm
Cable entry	2×M20 PA6 cable glands
Protection class	IP56 / IP67
Weight	3.0 kg
Light source	Linear LP LED modules with anti glare cover
Wattage	Max. 20 W / HO: max. 33 W
CCT (color)	4,000 K
Luminous flux	2,200 lm / HO: 4,500 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50-60 Hz









### KITCHEN AND COLDROOM LUMINAIRE

### KL/KR61ZL



#### PART NO.

KL/KR61ZL 5107001020-007 KL/KR61ZL HO 5107001020-015

SPARE PARTS	PART NO.
OI AILE I AILIO	

 Clear cover KL/KR61ZL
 7112020000

 Mounting kit for lamp cover (6 pcs)
 7508002800

 Gasket KL/KR61ZL
 7301007700

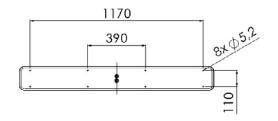
### **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > LED mounting tray as refit for KL/KR61Z fluorescent types
- > Different color temperatures on request
- > Different cable glands

### SURFACE LUMINAIRE FOR KITCHENS, PANTRIES, PROVISION STORES AND COLDROOMS

Design	According to rules of maritime classification societies and regulation of USPH
Base plate	Stainless steel
Cover	Clear polycarbonate, impact proof, UV-resistant
Mounting	8 mounting holes, Ø 5.2 mm
Cable entry	2 × M20 PA6 cable glands
Protection class	s IP56 / IP67
Weight	5.5 kg
Light source	Linear LP LED modules with anti glare cover
Wattage	Max. 40 W / HO: max. 66 W
CCT (color)	4,000 K
Luminous flux	4,500 lm / HO: 8,100 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz





[mm]





### EXPLOSION PROOF LED LUMINAIRE





### PART NO.

Family	Part No.	Cable gland	Temperature
EX40S	5108005000-001	2 M20 PA	-40°C+45°C
EX40S	5108005000-004	2 M20 BR	-40°C+45°C
EX40S BU	5108005000-006	2 M20 PA	5°C+45°C
EX40S BU	5108005000-007	2 M20 BR	5°C+45°C

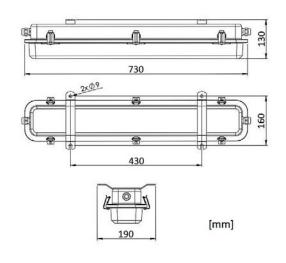
Clear cover 7112038400

### **EXTRAS**

- > Different temperature ranges
- > Different light outputs
- > Through wiring (for EX40S)
- > LP GL mounting

### EXPLOSION PROOF LED LUMINAIRE, SURFACE MOUNTING, FOR ZONE 1/2

Design	According to rules of maritime classification societies and relevant standards
Ex marking	II 2G Ex eb mb op is IIC T5 Gb II 2D Ex tb op is IIC T55°C or T70°C Db
Housing	Stainless steel, powder coated white (RAL9016)
Cover	Clear polycarbonate
Mounting	LP160 brackets
Cable entry	2 × M20 / EEX-E
Protection class	IP67
Та	-40°C +45°C
Weight	4.8 kg / 5.3 kg (BU)
Light source	Linear LED modules
Wattage	Max. 22 W
CCT (color)	6,500 K
Luminous flux	2,100 lm
CRI	≥ 80
Voltage	120-240 V AC
Frequency	50-60 Hz
	· · · · · · · · · · · · · · · · · · ·







Find our complete

# EXPLOSION PROOF LED LUMINAIRE







# PART NO.

Family	Part No.	Cable gland	Temperature
EX40L	5108005100-001	2 M20 PA	-40°C+45°C
EX40L	5108005100-005	2 M20 BR	-40°C+45°C
EX40L BU	5108005100-006	2 M20 PA	5°C+45°C
EX40L BU	5108005100-007	2 M20 BR	5°C+45°C

SPARE PARTS	PART NO.

Clear cover 7112038500

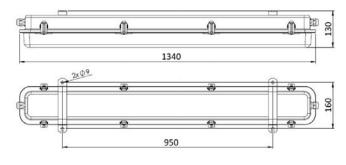
# **EXTRAS**

- > Different temperature ranges
- > Different light outputs
- > Through wiring (for EX40L)
- > LP GL mounting

# EXPLOSION PROOF LED LUMINAIRE, SURFACE MOUNTING, FOR ZONE 1/2

Design	According to rules of maritime classification societies and relevant standards
Ex marking	II 2G Ex eb mb op is IIC T5 Gb II 2D Ex tb op is IIIC T55°C or T70°C Db
Housing	Stainless steel, powder coated white (RAL9016)
Cover	Clear polycarbonate
Mounting	LP160 brackets
Cable entry	2 × M20 / EEX-E
Protection class	FIP67
Та	-40°C +45°C
Weight	8.0 kg / 9.7 kg (BU)
Light source	Linear LED modules
Wattage	Max. 40 W
CCT (color)	6,500 K
Luminous flux	4,200 lm
CRI	≥ 80
Voltage	120-240 V AC

50-60 Hz







Frequency



Find our complete

# OUTDOOR LUMINAIRE

Halfmoon



# PART NO.

SL97 with fullmoon 5127011100-007 SL97 with halfmoon 5127011100-008

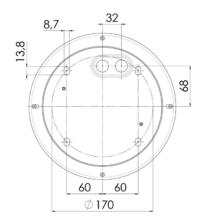
SPARE P	ARTS	PART NO

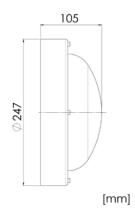
7112006200 Fullmoon cover 7112007300 Halfmoon cover

# DECORATIVE, STAINLESS STEEL, WATERTIGHT WALL LIGHT FOR OPEN DECKS

Fullmoon

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, powder coated white (RAL9016)
Cover	Opal polycarbonate, impact proof, UV-resistant
Mounting	4 mounting holes, Ø 8.7 mm
Cable entry	2 × grommets
Protection class	IP67
Weight	1.7 kg
Light source	Linear LP LED module
Wattage	Max. 6 W
CCT (color)	4,000 K
Luminous flux	Fullmoon 450 lm Halfmoon 300 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50/60 Hz











# CEILING LUMINAIRES

+

	DE02	42
	DE16XS	43
	DE16S	44
	DE29S	45
	DE29L	46
	DE38S	47
	DE38L	48
	DE95 DCC S	49
	DE95 DCC L	50
_	DA FLEX S	51
	DA FLEX L	52
	DA16FXS	53
	DA16FS	54
	DA25	55





DE02 5111001600-001

SPARE PARTS	PART NO.	
Trim ring RAL9016	7512000400	
Diffuser	7112007500	

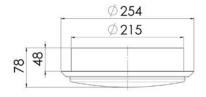
# **EXTRAS**

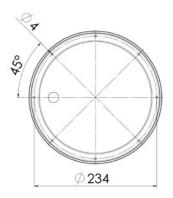
- > B0-execution
- > Different cable entries
- > Different wattages



# RECESSED MOUNTED CEILING LUMINAIRE FOR CABINS, DINING ROOMS AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Trim ring	Steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate, impact-proof
Mounting	8 mounting holes, Ø 4 mm
Cable entry	1 inlet for cables max. Ø 13 mm
Protection class	IP20 / IP44 in conjunction with ceiling
Weight	0.9 kg
Light source	LED (lamp not included)
Lamp base	E27
Wattage	1× max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50-60 Hz or 0 Hz







[mm]







# PART NO.

DE16XS 5111011100-002

**SPARE PARTS** PART NO.

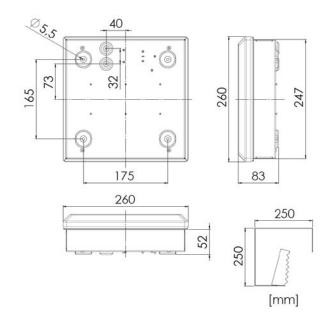
Diffuser 7112004700

### **EXTRAS**

- > 120 V AC execution
- > B0-execution
- > Different cable entries

## RECESSED MOUNTED CEILING LUMINAIRE FOR PASSAGE WAYS, DINING ROOMS AND **ACCOMMODATION AREAS**

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate, impact-proof
Mounting	4 mounting holes, Ø 5.5 mm
Cable entry	2 × grommets
Protection class	IP30 / IP44 in conjunction with ceiling
Weight	1.1 kg
Light source	LED
Wattage	Max. 8 W
CCT (color)	4,000 K
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz
·	·





Find our complete

# DE16S



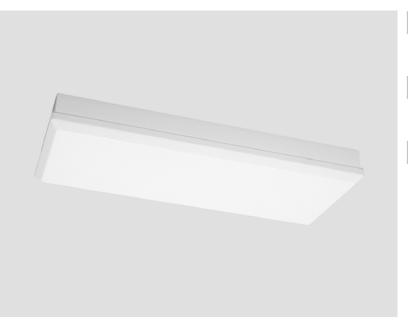
DE16S 5111008610-xxx

SPARE PARTS
PART NO.

DE16S cover 7112000600

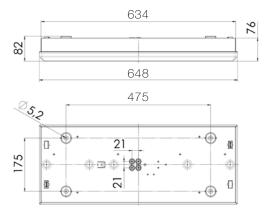
# **EXTRAS**

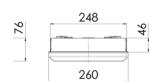
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Different fitting systems



# RECESSED MOUNTED CEILING LUMINAIRE FOR PASSAGE WAYS, ACCOMMODATION AREAS AND CORRIDORS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate, impact-proof
Mounting	4 mounting holes, Ø 5.2 mm
Cable entry	4 inlets for cables max. Ø 13 mm
Protection class	IP30 / IP44 in conjunction with ceiling
Weight	3.1 kg
Light source	Linear LP LED modules
Wattage	Max. 20 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	1,500 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz





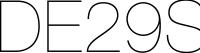






Find our complete

# RECESSED CEILING LUMINAIRE | | ) | --- ' / (





# RECESSED MOUNTED CEILING LUMINAIRE FOR ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate with ice crystal structure
Mounting	Mounting set for ceilings 23-55 mm
Cable entry	2 inlets for cables max. Ø 13 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	4.0 kg
Light source	Linear LP LED modules
Wattage	Max. 20 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	1,500 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz

### PART NO.

DE29S 5111009110-xxx

SPARE PARTS

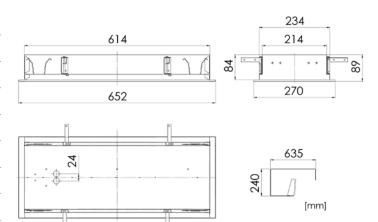
PART NO.

Icecrystal cover (DE29S)

7931000900

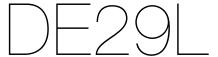
# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Alternative housing colors
- > Different louvers and diffusers
- > Different mounting sets





Find our complete





DE29L 5111009020-xxx

SPARE PARTS

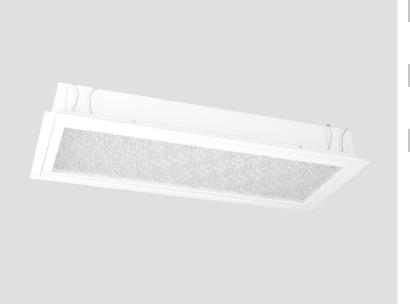
PART NO.

Icecrystal cover (DE29L)

7931002000

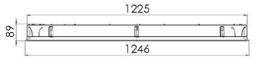
# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Alternative housing colors
- > Different louvers and diffusers
- > Different mounting sets

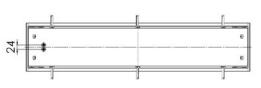


# RECESSED MOUNTED CEILING LUMINAIRE FOR ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate with ice crystal structure
Mounting	Mounting set for ceilings 23-55 mm
Cable entry	2 inlets for cables max. Ø 13 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	7.0 kg
Light source	Linear LP LED modules
Wattage	Max. 40 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	3,100 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz













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### PART NO.

DE38S 5111009610-xxx

**SPARE PARTS** 

PART NO.

Icecrystal cover (DE38S)

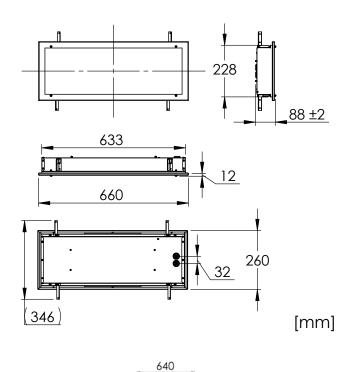
7931001200

# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Different mounting sets
- > Different louvers and diffusers
- > 4 inlets for cables max. Ø 13 mm

# RECESSED MOUNTED CEILING LUMINAIRE FOR ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate, ice crystal structure
Mounting	Mounting set for ceilings 23-55 mm
Cable entry	2 inlets for cables max. Ø 13 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	4.4 kg
Light source	Linear LP LED modules
Wattage	Max. 20 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	1,500 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz







[mm]





DE38L 5111009710-xxx

**SPARE PARTS** PART NO.

Icecrystal cover (DE38L) 7931002100

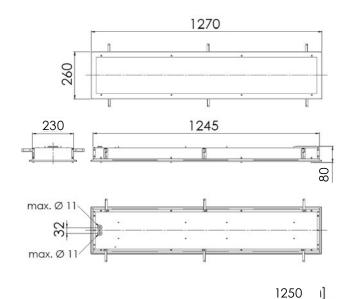
# **EXTRAS**

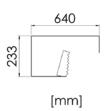
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Different mounting sets
- > Different louvers and diffusers
- > 4 inlets for cables max. Ø 13 mm



### RECESSED MOUNTED CEILING LUMINAIRE FOR ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate, ice crystal structure
Mounting	Mounting set for ceilings 23-55 mm
Cable entry	2 inlets for cables max. Ø 13 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	7.9 kg
Light source	Linear LP LED modules
Wattage	Max. 40 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	3,100 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz









Ice crystal cover (DE95 DCC S) 7931001300

# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Alternative housing colors
- > Different diffusers available

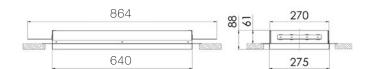


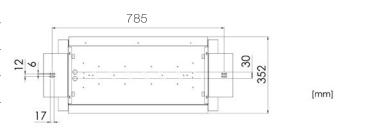




# CEILING LUMINAIRE FOR RECESSED INSTALLATION IN PANEL CEILINGS (DAMPA DCC300)

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate with ice crystal or prismatic structure or parabolic louver
Mounting	Mounting brackets and side rails
Cable entry	2 inlets for cables max. Ø 11 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	5.4 kg
Light source	Linear LP LED modules
Light source Wattage	Linear LP LED modules  Max. 20 W
Wattage	Max. 20 W
Wattage CCT (color)	Max. 20 W 3,000 K or 4,000 K
Wattage CCT (color) Luminous flux	Max. 20 W 3,000 K or 4,000 K 1,500 lm







Find our complete







# CEILING LUMINAIRE FOR RECESSED INSTALLATION IN PANEL CEILINGS (DAMPA DCC300)

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Clear polycarbonate with ice crystal or prismatic structure or parabolic louver
Mounting	Mounting brackets and side rails
Cable entry	2 inlets for cables max. Ø 11 mm
Protection class	IP20 / IP44 in conjunction with ceiling, IP20 with louver
Weight	12.3 kg
Light source	Linear LP LED modules
Wattage	Max. 40 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	3,100 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz

### PART NO.

DE95 DCC L 5111009510-xxx

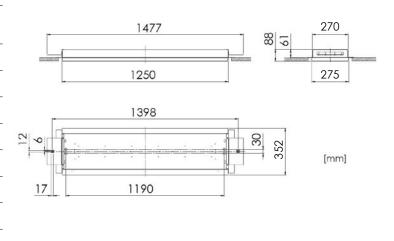
# **SPARE PARTS**

#### PART NO.

Ice crystal cover (DE95 DCC L) 7931001400

# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Emergency battery back-up
- > Alternative housing colors
- > Different diffusers available





Find our complete

# SURFACE CEILING LUMINAIRE, LED







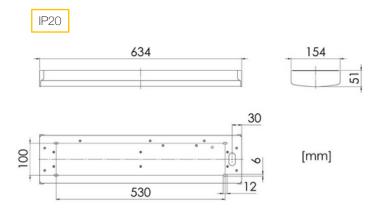
DA Flex S IP20 5112008800-005 DA Flex S IP44 5112010600-001

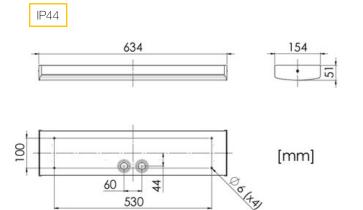
# **EXTRAS**

- > Motion sensor
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Different color temperatures

# CEILING LED LUMINAIRE, SURFACE MOUNTING FOR PASSAGE WAYS, CABINS, LOUNGES, **ACCOMMODATION AREAS**

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate
Mounting	Mounting holes 4 × Ø 6 mm
Cable entry	30 × 16 mm or 2 × grommets
Protection class	IP20 or IP44
Weight	2.0 kg
Wattage	Max. 16 W
CCT (color)	3,000 K
Luminous flux	1,800 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz









# SURFACE CEILING LUMINAIRE, LED





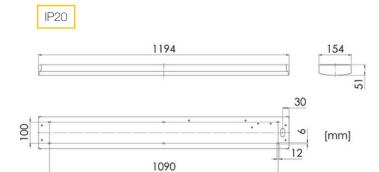
DA Flex L IP20 5112008900-005 DA Flex L IP44 5112010700-001

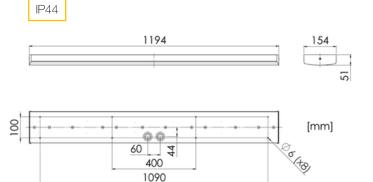
### **EXTRAS**

- > Motion sensor
- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Different color temperatures

## CEILING LED LUMINAIRE, SURFACE MOUNTING FOR PASSAGE WAYS, CABINS, LOUNGES, **ACCOMMODATION AREAS**

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate
Mounting	Mounting holes 6 × Ø 6 mm
Cable entry	30 × 16 mm or 2 × grommets
Protection class	IP20 or IP44
Weight	3.6 kg
Wattage	Max. 32 W
CCT (color)	3,000 K
Luminous flux	3,300 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz









### PART NO.

DA16FXS (3,000 K) 5112007000-001

**SPARE PARTS** 

PART NO.

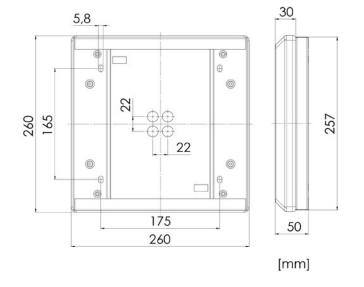
7112004700 Cover

# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Different color temperatures

## SURFACE MOUNTED CEILING LUMINAIRE FOR PASSAGE WAYS, CABINS, ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate, impact-proof
Mounting	4 mounting holes Ø 5.8 mm
Cable entry	4 inlets for cables max. Ø 11 mm
Protection class	IP43
Weight	1.4 kg
Light source	Linear LP LED modules
Wattage	Max. 8 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	800 lm
CRI	≥ 80
Voltage	220–240 VAC
Frequency	50–60 Hz
·	





Find our complete

# DA16FS



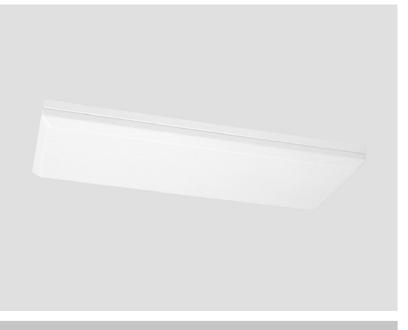
DA16FS (3,000 K) 5112007100-001 DA16FS HO (3,000 K) 5112007100-015

> SPARE PARTS PART NO.

Cover (DA16FS) 7112000600

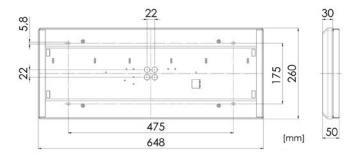
# **EXTRAS**

- > 120 V AC execution
- > 24 V DC execution
- > Dimmable
- > Different color temperatures



# SURFACE MOUNTED CEILING LUMINAIRE FOR PASSAGE WAYS, CABINS, ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Diffuser	Opal polycarbonate, impact-proof
Mounting	4 mounting holes Ø 5.8 mm
Cable entry	4 inlets for cables max. Ø 11 mm
Protection class	IP43
Weight	3.0 kg
Light source	Linear LP LED modules
Wattage	Max. 20 W / HO: max. 38 W
CCT (color)	3,000 K or 4,000 K
Luminous flux	1,500 lm / HO: 3,400 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz





# SURFACE CEILING LUMINAIRE, LED





# PART NO.

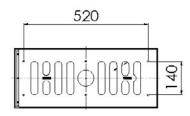
DA25 Eco 5112014400-001 DA25 HO 5112014500-001 DA25 HO DALI 5112014500-002

### **EXTRAS**

- > 4,000 K
- > 120 V AC execution
- > Black housing
- > Dimmable 1-10 V

## CEILING LED LUMINAIRE, SURFACE MOUNTING FOR PASSAGE WAYS, CABINS, LOUNGES, ACCOMMODATION AREAS AND OFFICES

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Aluminium powder coated white (RAL9016)
Diffuser	Polycarbonate prismatic
Mounting	Mounting holes 6 × Ø 6 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP44
Weight	2.7 kg
Wattage	Eco: max. 12 W / HO: 24 W
CCT (color)	3,000 K
Luminous flux	Eco: 1,200 lm / HO: 2,400 lm
UGR	≤ 19
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz
Power supply	Remote LED driver









[mm]







# WALL LUMINAIRES

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EL FLEX S	58
EL FLEX L	59
SP66S	60
SP66M	61
SP66L	62
DL01	63
WL75QE	64

# CORNICE LUMINAIRE, LED, SURFACE







EL Flex S 5113003400-002

SPARE PARTS	PART NO.
Cover	7112037700
End cap	7503000800

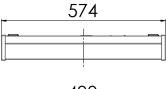
# **EXTRAS**

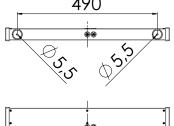
- > 120 V AC execution
- > Different color temperatures

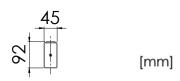


## CORNICE LUMINAIRE, LED, EFFICIENT LIGHTING FOR FLOOR AREAS, PASSAGE WAYS, CABINS AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate, opal
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	4 inlets for cables max. Ø 11 mm
Protection class	IP20
Weight	1.3 kg
Light source	LED module
Wattage	Max. 10 W
CCT (color)	3,000 K
Luminous flux	1,300 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz











# CORNICE LUMINAIRE, LED, SURFACE



# PART NO.

EL Flex L 5113003500-002

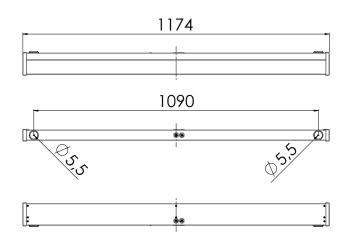
> SPARE PARTS	PART NO.
Cover	7112037800
End cap	7503000800

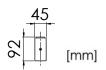
# **EXTRAS**

- > 120 V AC execution
- > Different color temperatures

## CORNICE LUMINAIRE, LED, EFFICIENT LIGHTING FOR FLOOR AREAS, PASSAGE WAYS, CABINS AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate, opal
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	4 inlets for cables max. Ø 11 mm
Protection class	IP20
Weight	2.5 kg
Light source	LED module
Wattage	Max. 22 W
CCT (color)	3,000 K
Luminous flux	3,000 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz









# MIRROR LUMINAIRE, LED, SURFACE



SP66S 5115006100-005 SP66S with switch 5115006100-006 SP66S with socket 5115006100-007 SP66S with switch and socket 5115006100-008

# **EXTRAS**

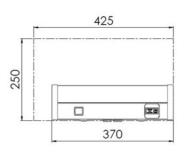
> Color temperature 4,000 K



## MIRROR LUMINAIRE, LED, FOR CABINS, BATHROOMS, LAVATORIES AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate opal, structured
Switch	On/off switch, 2-pole (optional)
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	2 × grommets
Protection class	IP44
Light source	Linear LP LED module
Wattage	Max. 6 W
CCT (color)	3,000 K
Luminous flux	700 lm
CRI	≥ 80
Voltage	120-230 V AC
Frequency	50-60 Hz













# MIRROR LUMINAIRE, LED, SURFACE

# SP66M



 SP66M
 5115006200-005

 SP66M with switch
 5115006200-006

 SP66M with socket
 5115006200-007

 SP66M with switch and socket
 5115006200-008

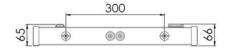
### **EXTRAS**

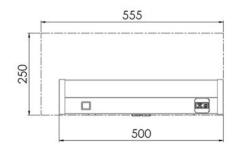
- > Color temperature 4,000 K
- > 120 V AC



# MIRROR LUMINAIRE, LED, FOR CABINS, BATHROOMS, LAVATORIES AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate opal, structured
Switch	On/off switch, 2-pole (optional)
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	2 × grommets
Protection class	IP44
Light source	Linear LP LED module
Wattage	Max. 9 W
CCT (color)	3,000 K
Luminous flux	1,100 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz













# MIRROR LUMINAIRE, LED, SURFACE





 SP66L
 5115006300-005

 SP66L with switch
 5115006300-006

 SP66L with socket
 5115006300-007

 SP66L with switch and socket
 5115006300-008

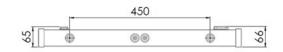
### **EXTRAS**

- > Color temperature 4,000 K
- > 120 V AC



# MIRROR LUMINAIRE, LED, FOR CABINS, BATHROOMS, LAVATORIES AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate opal, structured
Switch	On/off switch, 2-pole (optional)
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	2 × grommets
Protection class	; IP44
Light source	Linear LP LED module
Wattage	Max. 12 W
CCT (color)	3,000 K
Luminous flux	1,500 lm
CRI	≥ 80
Voltage	220–240 V AC
Frequency	50–60 Hz













# PART NO.

DL01 5303009000-001

### **EXTRAS**

- > Dimmable
- > Different color temperatures
- > Connection type unit according to specific application
- > Different finishes or colors in accordance with RAL or NCS

# DECORATIVE STEP LIGHT, LED, FOR STAIRWAYS, PASSAGE WAYS, INDIRECT AND EFFECT LIGHTING

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel
Decorative ring	Stainless steel, brushed
Cover	Polycarbonate lens
Mounting	2 springs for wall thickness max. 1–25 mm
Connection type	150 mm connection cable
Protection class	IP44
Weight	0.08 kg
Light source	Single LP LED module
Wattage	Max. 1 W
CCT (color)	2,700 K

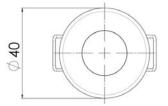
50 lm

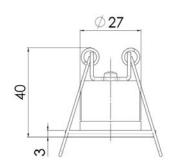
≥ 80

350 mA

Driver required

(not included)







[mm]



**Luminous flux** 

CRI

Current

**Electrical** 

execution

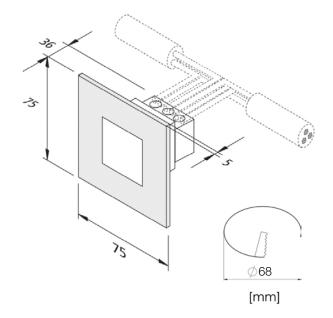


# WALL/STEP LIGHT, LED, RECESSED



# WALL/STEP LIGHT, LED, FOR STAIRWAYS AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Decorative ring	Stainless steel look
Cover	Opal
Mounting	Quick and easy installation due to standard surface pattress box and flush-mounted socket
Protection class	IP20
Weight	0.65 kg
Light source	Single LED modules
Wattage	Max. 1.8 W
CCT (color)	3,000 K
Luminous flux	80 lm
Voltage	220-240 V AC
Frequency	50–60 Hz







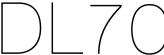


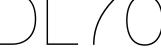
# DOWNLIGHTS



DL70	68
DL50	69
DL90AL	70
DL90A	71
DL90S	72
DL85	73
DL100	75
DL VARIO S	76
DL VARIO L	77
DL120	78
DL67	79
DL170	80
DL63	82
DL63 IP55	84
DL110Q	85
	DL50 DL90AL DL90A DL90S DL85 DL100 DL VARIO S DL VARIO L DL120 DL67 DL170 DL63 DL63 IP55

# LED FURNITURE LIGHT







DL70 white 5303003200-002 DL70 chrome 5303003200-005

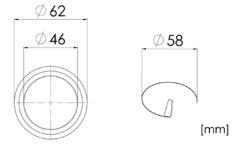
# **EXTRAS**

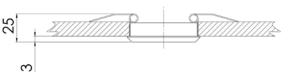
> Different connectors



### FLAT LED FURNITURE LIGHT

Design	According to rules of maritime classification societies and relevant standards
Housing	Plastic
Decorative ring	White / chrome
Cover	Satin
Mounting	Spring clips for ceilings max. 20 mm
Connection type	2000 mm lead with mini male plug for drilling holes Ø 8 mm
Protection class	IP20 / IP44 in conjunction with ceiling
Weight	0.12 kg
Light source	Cluster LED module, not dimmable
Wattage	Max. 2.6 W
CCT (color)	3,000 K
Luminous flux	170 lm
CRI	≥ 80
Voltage	110-220 V AC
Frequency	50–60 Hz







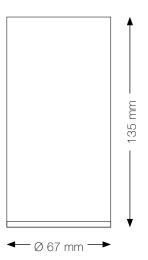




PART NO.	
DL50	5311000400-xxx
· COLORS	PART NO.
White	5311000400-001
Black	5311000400-005

# SURFACE MOUNTED SPOTLIGHT, INDOOR USE

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium
Decorative finish	See color information
Mounting	2 mounting holes Ø 4.2 mm
Connection type	Connection terminal
Protection class	IP20
Weight	0.3 kg
Light source	LED (lamp not included)
Lamp base	GU10
Wattage	Max. 35 W
Voltage	230 V AC





# PART NO.

DL90AL 5404002410-xxx

O COLORS PART NO.

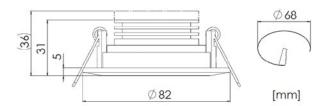
White 5404002410-001 Chrome 5404002410-002

# **EXTRAS**

- > Different connectors
- > Different transformers

# ADJUSTABLE LED DOWNLIGHT, RECESSED MOUNTING, INDOOR USE

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium
Decorative ring	See color information
Cover	Clear glass
Mounting	2 spring clips for ceilings max. 20 mm
Connection type	Connection cable with Ensto 2-pole plug
Protection class	IP24
Weight	0.3 kg
Light source	LED module
Wattage	Max. 8 W
CCT (color)	2,700 K
Luminous flux	670 lm
CRI	≥ 90
Current	350 mA
Electrical execution	Driver or transformer required (not included) 5806004510-001 (Wago 3-pole plug) or 5806004510-002 (Wieland 3-pole plug)





# ADJUSTABLE LED DOWNLIGHT





PART	NO.

DL90A 5301020310-xxx DL90A POT 5301020510-xxx

9	COLORS DL90A	PART NO.
9	COLORS DL90A	PART NO

White	5301020310-001
Chrome	5301020310-002
Steel brushed	5301020310-003
Gold	5301020310-004
Black	5301020310-005

#### **COLORS DL90A POT** PART NO.

White	5301020510-001
Chrome	5301020510-002
Steel brushed	5301020510-003
Gold	5301020510-004
Black	5301020510-005

# ADJUSTABLE DOWNLIGHT, RECESSED MOUNTING, INDOOR USE

Design	According to rules of maritime classification
	societies and relevant standards

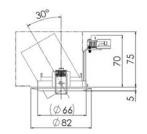
Housing	Aluminium
Decorative ring	See color information

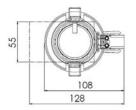
Mounting	2 spring clips for ceilings max. 20 mm
Connection type	Connection cable with Ensto 2-pole plug
Protection class	IP20
Weight	0.1 kg / 0.3 kg (POT)
Light source	LED (lamp not included)
Lamp base	GU5.3
Wattage	Max. 35 W
Voltage	12 V
Electrical execution	Driver or transformer required (not included) 5806004510-001 (Wago 3-pole plug) or 5806004510-002 (Wieland 3-pole plug)

### **EXTRAS**

- > Different connectors
- > Different transformers
- > GU10 execution

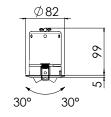
# DL90A

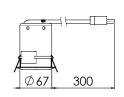






# DL90A POT











# DOWNLIGHT, RECESSED





DOWNLIGHT FOR MR16 LED LAMPS. APPLICABLE FOR CABINS, ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium
Decorative ring	See color information
Mounting	2 spring clips for ceilings max. 20 mm
Connection type	Ensto 2-pole plug
Protection class	IP20
Weight	0.1 kg
Light source	LED (lamp not included)
Lamp base	GU5.3
Wattage	Max. 35 W
Voltage	12 V
Electrical execution	Driver or transformer required (not included) 5806004510-001 (Wago 3-pole plug) or 5806004510-002 (Wieland 3-pole plug)

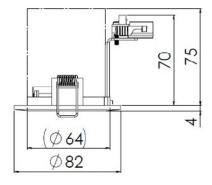
# PART NO.

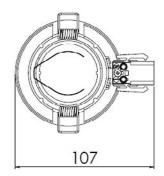
DL90S 5301020210-xxx

•	COLORS	PART NO.
	White	5301020210-001
	Chrome	5301020210-002
	Steel brushed	5301020210-003
	Gold	5301020210-004
	Black	5301020210-005

# **EXTRAS**

- > Different connectors
- > Different transformers
- > GU10 execution











## LED DOWNLIGHT

# DL85





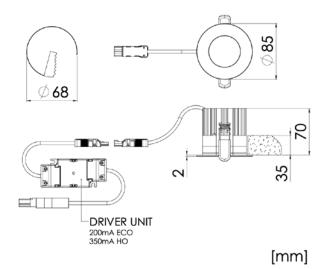
# WATERTIGHT LED DOWNLIGHT FOR BATHROOMS, ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium
Decorative ring	White (RAL9016)
Cover	Polycarbonate clear or opal
Mounting	2 fixing springs for ceilings max. 35 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP20 / IP55 in conjunction with ceiling
Weight	0.3 kg
Light source	LED array
Wattage	Eco: max. 6W / HO: max. 12W
CCT (color)	2,700 K
CRI	≥ 90
Voltage	230 V AC
Frequency	50-60 Hz

PART NO.	BEAM	TYPE	LUMEN
5306007400-001	20°	Eco	750 lm
5306007400-002	40°	Eco	750 lm
5306007400-003	60°	Eco	750 lm
5306007400-004	Opal	Eco	550 lm
5306007500-001	20°	НО	1200 lm
5306007500-002	40°	НО	1200 lm
5306007500-003	60°	НО	1200 lm
5306007500-004	Opal	НО	850 lm

#### **EXTRAS**

- > Black baffle
- > Ring in chrome
- > Dimmable DALI or 1-10 V
- > 120 V AC execution
- > Different color temperatures
- > Different connectors









### LED BATHROOM DOWNLIGHT



DL100 white 5404000410-001 DL100 chrome 5404000410-002

#### **EXTRAS**

- > Different connectors
- > Different transformers
- > Different color temperatures
- > Different finishes



#### FLAT LED DOWNLIGHT FOR BATHROOMS AND ACCOMMODATION AREAS

According to rules of maritime classification

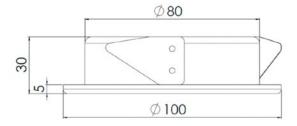
Design

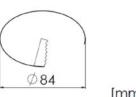
	societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Decorative ring	White/chrome
Cover	Opal polycarbonate
Mounting	Fixing springs for ceilings max. 10 mm
Connection type	Connection cable with Ensto 2-pole plug
Protection class	IP44
Weight	0.2 kg
Light source	LED
Wattage	Max. 3 W
CCT (color)	2,700 K

220 lm

350 mA

≥ 80









**Luminous flux** 

CRI

Current

**Electrical** 

execution



Driver or transformer required (not included) 5806005710-001 (Wago 3-pole plug)

#### ADJUSTABLE LED DOWNLIGHT

# DL Vario S





ADJUSTABLE LED DOWNLIGHT WITH MAGNETIC COVER RING, APPLICABLE FOR PUBLIC AREAS, TILT+/-25° AND TURN 350°, FIXABLE POSITION

Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate, black
Decorative ring	White RAL9010 or chrome (has to be ordered separately)
Mounting	Fixing springs for ceilings max. 20 mm
Connection type	Connection cable with Wago 5-pole plug
Protection class	IP20
Weight	0.45 kg
Light source	LED module
Wattage	Max. 12 W
CCT (color)	3,000-2,000 K (DimToWarm)
Luminous flux	650 lm
CRI	≥ 80
Voltage	120-240 V AC
Frequency	50-60 Hz
Control mode	DIM 1-10 V (if dimming signal is not connected, output is 3,000 K with 650 lm)

PART NO.	BEAM	TYPE
5555000100-018	25°	flush
5555000100-019	40°	flush
5555000100-020	60°	flush
5556000100-019	25°	recessed
5556000100-020	40°	recessed
5556000100-021	60°	recessed

#### **○ PART. NO. RING COLORS TYPE**

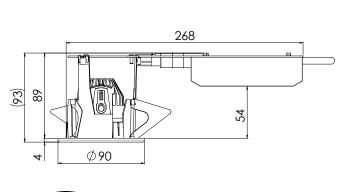
5532003100-001	RAL9010	flush
5532003100-002	Chrome	flush
5532003200-001	RAL9010	recessed
5532003200-002	Chrome	recessed

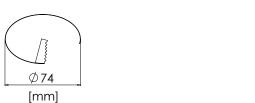
SPARE PARTS	PART NO.

Female connector Wago 7124003400

#### **EXTRAS**

- > Different connectors
- > Different finishes





Find our complete





#### ADJUSTABLE LED DOWNLIGHT

# DL Vario L

**BEAM** 

25°

40°

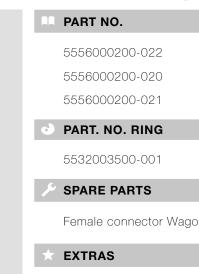
60°

**COLORS** 

RAL9010

PART NO.

7124003400

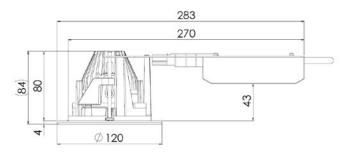


- > Different connectors
- > Different finishes

	W		

ADJUSTABLE LED DOWNLIGHT WITH MAGNETIC COVER RING, APPLICABLE FOR PUBLIC AREAS, TILT+/-25° AND TURN 350°, FIXABLE POSITION

Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate, black
Decorative ring	White RAL9010 (has to be ordered separately)
Mounting	Brackets for ceilings max. 30 mm
Connection type	Connection cable with Wago 5-pole plug
Protection class	IP20
Weight	0.6 kg
Light source	LED module
Wattage	Max. 12 W
CCT (color)	3,000-2,000 K (DimToWarm)
Luminous flux	650 lm
CRI	≥ 80
Voltage	120-240 V AC
Frequency	50-60 Hz
Control mode	DIM 1-10 V (if dimming signal is not connected, output is 3,000 K with 650 lm)

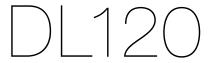








### HIGH POWER LED DOWNLIGHT





HIGH POWER LED DOWNLIGHT WITH REFLECTOR AND CHANGEABLE COVER RING, FOR ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated black (RAL9005)
Decorative ring	Zinc coated steel, RAL9016
Cover	Clear glass
Reflector	Replaceable PC reflector, 55°
Mounting	Fixing springs for ceilings max. 20 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP20 / IP44 in conjunction with ceiling
Weight	0.8 kg
Light source	LED module
Wattage	Max. 19 W
CCT (color)	2,700 K
Luminous flux	2,000 lm
CRI	≥ 90
Voltage	220-240 V AC
Frequency	50-60 Hz

#### PART NO.

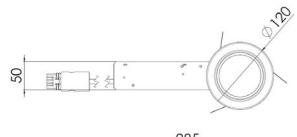
DL120 5404000610-001

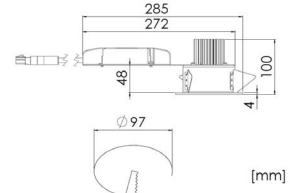
**SPARE PARTS** PART NO.

Female connector Wago 7124001800

#### **EXTRAS**

- > Dimmable DALI, DSI, switchDIM
- > Different connectors
- > Different beam angles
- > LED with high CRI and different color temperatures
- > Different finishes
- > Different covers
- > 3h battery back-up system







## DOWNLIGHT

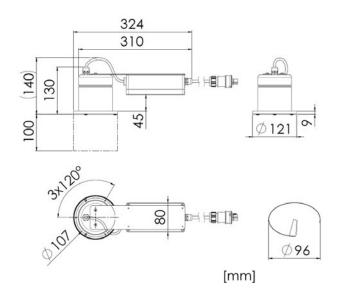


#### PART NO.

DL67 5301010300-061

#### WATERTIGHT DOWNLIGHT, ADJUSTABLE, FOR MR16 LED LAMPS. APPLICABLE FOR OUTDOOR AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, powder coated black
Decorative ring	Stainless steel, glossy
Cover	Clear glass
Mounting	3 mounting holes, Ø 4 mm, for ceilings max. 20 mm
Cable entry	Cable gland brass for cables Ø 4-8 mm
Connection type	Connection cable with Wieland 3-pole plug
Protection class	IP65
Weight	1.6 kg
Light source	LED (lamp not included)
Lamp base	GU5.3
Wattage	Max. 10 W
Voltage	230 V AC
Frequency	50–60 Hz







### LED DOWNLIGHT

PART NO.

Ring RAL 9016

Ring chrome

Connector

**EXTRAS** 

DL170



## > Emergency light operation

- > Different connectors
- > Connector units for B0 / B15 application available

5503000700-009

5532003800-005

5532003800-004

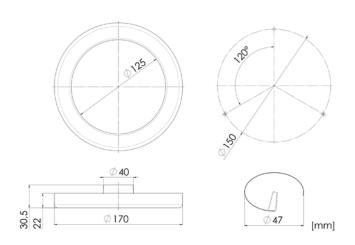
5533001100-001

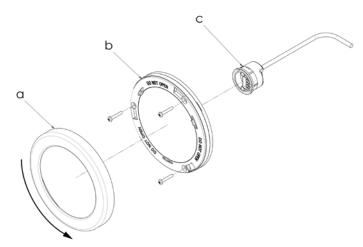
- > Different color temperatures
- > Different finishes

#### FLAT SURFACE LED DOWNLIGHT FOR WALL AND CEILING MOUNTING, WITH CHANGEABLE COVER RING OF VARIOUS COLORS

Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate
Decorative ring	Steel (has to be ordered separately)
Cover	Polycarbonate, clear
Mounting	3 mounting holes, Ø 4.5 mm
Connection type	Contact plug / ceiling connector with Wago 3-pole plug (has to be ordered separately)
Protection class	IP20
Weight	0.28 kg
Light source	Cluster LP LED module

wounting	3 mounting holes, Ø 4.5 mm
Connection type	Contact plug / ceiling connector with Wago 3-pole plug (has to be ordered separately)
Protection class	IP20
Weight	0.28 kg
Light source	Cluster LP LED module
Wattage	Max. 10 W
CCT (color)	2,700 K
Luminous flux	450 lm
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz









#### LED DOWNLIGHT



# PART NO.

DL63S 5503002500-xxx DL63M 5503002600-xxx DL63L 5503002700-xxx

#### **SPARE PARTS** PART NO.

Female connector Wago 7124001800

#### **EXTRAS**

- > 120 V AC execution
- > Different connectors
- > Different color temperatures
- > Dimmable
- > Emergency battery back-up

#### LED DOWNLIGHT WITH CHANGEABLE COVER RING, FOR CABINS, ACCOMMODATION AND PUBLIC AREAS

•	ording to rules of maritime classification leties and relevant standards
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Housing Galvanized steel,

powder coated white (RAL9016)

Decorative ring RAL9016, chrome or steel brushed (has to be ordered separately, see next page)

Mounting Max. 6 mounting holes, Ø 4.5 mm

Connection type Connection cable with Wago 3-pole plug

Protection class IP20 / IP44 with lens

Weight DL63S: 0.9 kg

> DL63M: 1.1 kg DL63L: 1.2 kg

**Light source** LED module

Wattage DL63S: max. 5 W

DL63M: max. 10 W DL63L: max. 20 W

**CCT** (color) 3,000 K

**Luminous flux** DL63S: 500 lm (with satined glass)

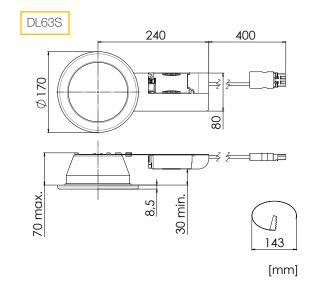
DL63M: 1,000 lm (with satined glass)

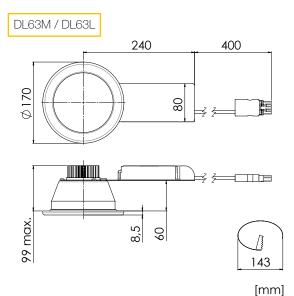
DL63L: 2,000 lm (with satined glass)

CRI  $\geq 80$ 

Voltage 220-240 V AC

50-60 Hz Frequency





Find our complete





### **DECORATIVE RINGS AND COVERS**



Ring A2, 5543000200-005 Steel / RAL9016 / Satin lens



Ring A2, 5543000200-003 Chrome / Satin lens



Ring A2, 5543000200-072 Steel / RAL9016 / Clear lens RED





Different finishes on request





Find our complete

### LED DOWNLIGHT

# 63 P55 5



#### LED DOWNLIGHT WITH CHANGEABLE COVER RING, FOR CABINS, ACCOMMODATION AND PUBLIC AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
Decorative ring	RAL9010, chrome or steel brushed (has to be ordered separately)
Mounting	Max. 6 mounting holes, Ø 4.5 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP20 / IP55 with lens
Weight	DL63S IP55: 0.9 kg DL63M IP55: 1.1 kg DL63L IP55: 1.2 kg
Light source	LED module
Wattage	DL63S IP55: max. 5 W DL63M IP55: max. 10 W DL63L IP55: max. 20 W
CCT (color)	3,000 K
Luminous flux	DL63S IP55: 500 Im (with satined glass) DL63M IP55: 1,000 Im (with satined glass) DL63L IP55: 2,000 Im (with satined glass)
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz

#### PART NO.

DL63S IP55	5503003100-xxx
DL63M IP55	5503003200-xxx
DL63L IP55	5503003300-xxx
Ring, Stainless steel/ brushed/satin lens	5531003600-001

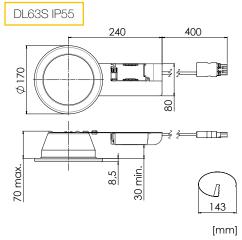
Ring, Stainless steel/ 5531003600-008 RAL9010/satin lens

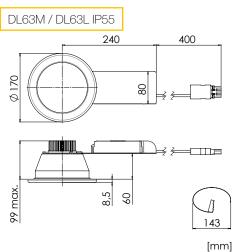
#### **SPARE PARTS** PART NO.

Female connector Wago 7124001800

#### **EXTRAS**

- > 120 V AC execution
- > Different connectors
- > Different color temperatures
- > Dimmable
- > Emergency battery back-up









Find our complete

#### MODULAR SQUARE LED DOWNLIGHT

# DL110Q



#### PART NO.

DL110Q 1 module 5404001200-002

DL110Q 2 modules 5404001300-002

DL110Q 3 modules 5404001400-002

#### **EXTRAS**

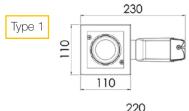
- > Different connectors
- > Different finishes

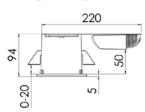


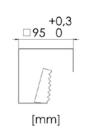


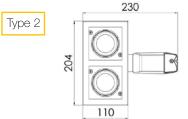
# ADJUSTABLE DOWNLIGHT FOR ACCOMMODATION AND PUBLIC AREAS

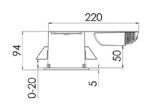
Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate, black
Decorative frame	Zinc coated steel, powder coated white (RAL9016)
Mounting	Sviveling insert for ceilings up to 20 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP20
Weight	Depends on execution
Light source	LED module
Wattage	Max. 13 W / module
CCT (color)	3,000 K
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50–60 Hz

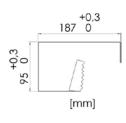


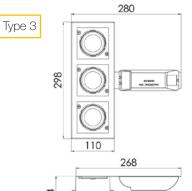






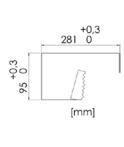






20

Find our complete









# EMERGENCY LIGHTING



E200001	TL09 SIGN	88
EXITA	HL71	89
₩ 2	HL65	90

## EMERGENCY LUMINAIRE, LED, SURFACE

#### PART NO.

TL09 Sign 5122004400-002

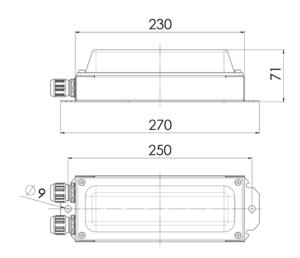
#### **EXTRAS**

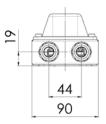
- > 24 V DC execution
- > Stainless steel housing
- > Emergency battery back-up, with test switch, 1 W
- > Different cable glands
- > Different pictograms on customer requirements



#### ILLUMINATED LED SIGN FOR DECKS, STORES AND ENGINE ROOMS

Design	According to rules of maritime classification societies and relevant standards
Housing	Steel, zinc plated powder coated white (RAL9016)
Cover	Opal polycarbonate, foil included
Mounting	2 mounting holes, Ø 9 mm
Cable entry	2 cable glands M20x1.5, brass for cables Ø 6–13 mm
Connection type	Terminal 3-pole (under cable entry)
Protection class	IP67
Weight	1.5 kg
Light source	Linear LP LED module
Wattage	Max. 4 W
CCT (color)	4,000 K
CRI	≥ 80
Voltage	110-240 V AC
Frequency	50-60 Hz





[mm]

Find our complete





## EMERGENCY LUMINAIRE, LED, RECESSED





HL71 (w/o sign and frame) 5521000200-006 HL71 3h BU (w/o sign and frame) 5521000200-004

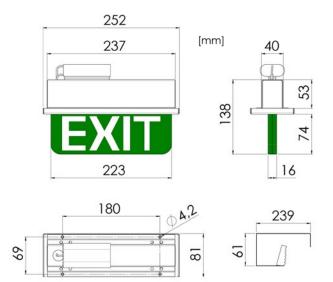
#### **EXTRAS**

- > Different finishes
- > Different connectors



#### ILLUMINATED LED SIGN FOR ESCAPE ROUTES

Design	According to rules of maritime classification societies and relevant standards
Housing	Steel, zinc plated
Frame	Different finishes (has to be ordered separately)
Sign	PMMA. Pictogram on customer requirements (has to be ordered separately)
Mounting	4 mounting holes, Ø 4.2 mm
Connection type	Connection cable with Wago 3-pole plug
Protection class	IP20
Weight	1.2 kg (with pictogram)
Light source	Linear LED module
Wattage	Max. 2.2 W
Voltage	120-240 V AC
Frequency	50–60 Hz





Find our complete

## EMERGENCY LUMINAIRE, LED, WALL MOUNTING







HL65 5122004700-003 HL65 3h BU 5122004700-001

#### **EXTRAS**

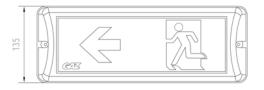
- > Different foils
- > Ceiling mounting



#### ILLUMINATED LED SIGN FOR ESCAPE ROUTES, WALL MOUNTED, FOR OUTDOOR AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate, white
Sign	Three standard foils included:
Mounting	Holes
Connection type	Terminal
Protection class	IP65
Weight	1.2 kg
Light source	LED
Wattage	1×2,5 W
Voltage	230 V AC
Frequency	50-60 Hz















# OFFICE AND WORKPLACE LUMINAIRES

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1	TI20	95
9	TI20	96
51	TI20	97
	TI20	98
	TI65	99

### CHART TABLE LIGHT



TI14 5135007400-000

7103014600

> SPARE PARTS	PART NO.
Transformer 120 V / 12 V	7103009500

#### **EXTRAS**

- > 24 V execution
- > Switch in pedestal

Transformer 230 V / 12 V

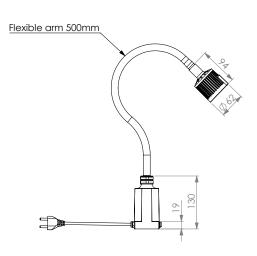
- > Jointed lamp head
- > IP65
- > Different arm lengths (250 mm / 700 mm)

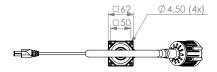


#### CHART TABLE LIGHT WITH FLEXIBLE ARM AND SWITCH IN BASE

Design	According to rules of maritime classification societies and relevant standards
Housing	Metal / plastics, black
Switch	In base
Flex arm	500 mm
Mounting	Base mounting, 4 mounting holes Ø 4.5 mm
Connection	type Connection cable with plug
Protection	class IP20
Weight	1.4 kg
Light source	ce MR16 LED
Lamp base	GU5.3
Wattage	Max. 3 W
CCT (color	) 5,500 K
Voltage	230 V AC
Frequency	50–60 Hz







Find our complete





# LED TABLE LIGHT



#### PART NO.

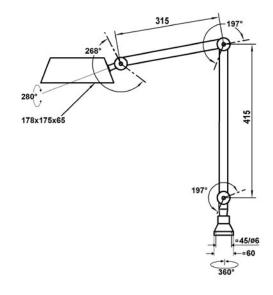
TI20 5135000500-005

#### **EXTRAS**

> Different fixing kits

#### LED TABLE LIGHT, ADJUSTABLE

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium, plastics
Switch	In the lower tubular section of the arm
Cover/diffuser	Aluminium, plastics
Mounting	Table clamp, 16-85 mm opening
Connection type	Connection cable with Schuko plug
Protection class	IP20
Weight	3.0 kg
Light source	LED
Wattage	Max. 8 W
CCT (color)	5,000 K
Luminous flux	1,400 lm
CRI	≥ 80
Voltage	230 V AC
Frequency	50-60 Hz







## TABLE LIGHT

# TI20



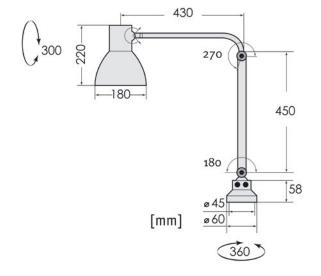
TI20

5135000300



#### TABLE LIGHT, ADJUSTABLE

Design	According to rules of maritime classification societies and relevant standards
Housing	Metal, silver (RAL9006) Friction-arm
Switch	In lighting head
Mounting	Base mounting
Connection type	Connection cable with Schuko plug
Protection class	IP20
Weight	1.5 kg
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 14 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz





## MAGNIFIER LED TABLE LIGHT, DIMMABLE

# T|20

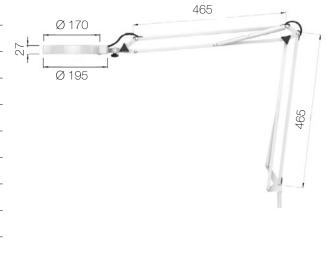


TI20 5135012400-001



#### MAGNIFIER LED TABLE LIGHT, ADJUSTABLE

Design	According to rules of maritime classification
	societies and relevant standards
Housing	Steel, white (RAL9010)
Cover/diffuser	Polycarbonate
Lens	Biconvex glass lens Ø 120 mm, 3 diopters 1,75×power
Switch	In lighting head
Mounting	Table mounting
Connection type	Connection cable with Euro plug
Protection class	IP20
Weight	2.0 kg
Light source	LED
Wattage	Max. 5.3 W
CCT (color)	5,000 K
CRI	≥ 80
Voltage	100-240 V AC
Frequency	50–60 Hz
Electrical execution	Dimmable in three steps 30% / 80% / 100%







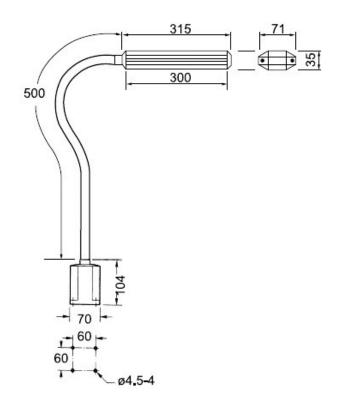


#### PART NO.

TI20 5135011310-001

#### LED TABLE LIGHT WITH SWITCH AND DIMMER IN LIGHTING BASE

Design	According to rules of maritime classification societies, additional VDE and IEC
Housing	Aluminium / plastic (RAL9005)
Cover/diffuser	Prismatic diffuser
Switch	In base
Mounting	Table mounting
Connection type	Connection cable with Euro plug
Protection class	IP20
Weight	1.5 kg
Light source	LED
Wattage	Max. 14 W
CCT (color)	5,000 K
CRI	≥ 80
Voltage	230 V AC
Frequency	50–60 Hz
Electrical execution	Dimmable 5-100%







### LED MACHINE LIGHT

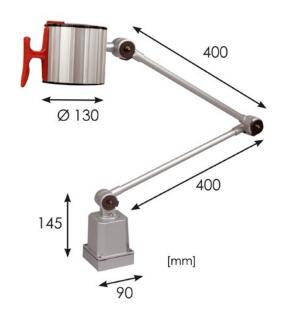
PART NO.

TI65 5135007700-000



#### FRICTION-ARM LED MACHINE LIGHT WITH SWITCH FOR WORKBENCHES WITH HARSH AMBIENT CONDITIONS

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium / steel / GRP
Cover/diffuser	Glass
Mounting	Base mounting, 4 mounting holes Ø 4.5 mm
Connection type	Connection cable with rubber plug
Protection class	IP65
Weight	2.9 kg
Light source	LED module
Wattage	Max. 12 W
Voltage	100-240 V AC
Frequency	50–60 Hz







# ACCOMMODATION LIGHTS

	KJ SMART	102
	KJ56	103
_	KJ15	104
4	WL100	105
1/	WL100Q	106
8	WL30	107
	WL30Q	108
-  -	WL282	109
	WL64	110
	WL MELISSA	111
<u>_</u>	MONTREAL	113
	MONTREAL	114
Ī	MONTREAL	115
1	MONTREAL	116
_	MONTREAL	117
Carrie .	MONTREAL	118
	MONTREAL	119
I.	MONTREAL	120
I.	MONTREAL	121

## BERTH LIGHT, SURFACE



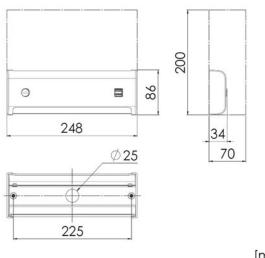


#### PART NO.

Black with USB-A	511/001600-001
Black with USB-C	5117001600-009
Black without USB	5117001700-001
White with USB-A	5117001600-002
White with USB-C	5117001600-008
White without USB	5117001700-002

#### BERTH LIGHT WITH SWITCH, SLIM DESIGN, IDEAL FOR PULLMAN BERTHS

Design	According to rules of maritime classification societies and relevant standards
Housing	Polycarbonate, black or white
Diffuser	Polycarbonate, opal
Switch	On/off switch
Specials	2×USB (type A or C), 5V/2A
Mounting	2 mounting holes
Protection class	IP20
Light source	Linear LP LED module
Wattage	1×3 W LED
CCT (color)	3,000 K
Luminous flux	250 lm
CRI	≥ 80
Voltage	120-230 V AC
Frequency	50-60 Hz



[mm] maintenance area

#### Practical storage pocket







## BERTH LIGHT, SURFACE





#### PART NO.

KJ56 5117008201-002

> SPARE PARTS	PART NO.
Cover	7112001300
End caps (2 pcs)	7504000100

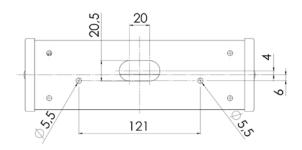
#### **EXTRAS**

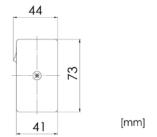
- > 120 V AC execution
- > Different color temperatures

# BERTH LIGHT WITH SWITCH, SLIM DESIGN, IDEAL FOR PULLMAN BERTHS

Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Diffuser	Polycarbonate, opal
Switch	On / off switch, 2-pole
Mounting	2 mounting holes, Ø 5.5 mm
Protection class	IP30
Weight	0.35 kg
Light source	Linear LP LED module
Wattage	Max. 3 W
CCT (color)	4,000 K
CRI	≥ 80
Voltage	220-240 V AC
Frequency	50-60 Hz











## BERTH LIGHT, SURFACE







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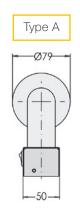
KJ15 Type A 5117000300-003 KJ15 Type B 5117000400-003

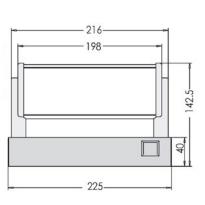
**SPARE PARTS** PART NO.

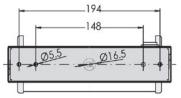
End caps 7112018600

#### BERTH LIGHT WITH SWITCH AND SWIVELING REFLECTOR FOR INSTALLATION IN **ACCOMMODATION AREAS**

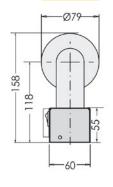
Design	According to rules of maritime classification societies and relevant standards
Housing	Galvanized steel, powder coated white (RAL9016)
End caps	Polycarbonate, white
Reflector	Galvanized steel, powder coated white (RAL9016)
Switch	On / off switch, 2-pole
Mounting	2 mounting holes, Ø 5.5 mm
Cable entry	1 inlet for cables max. Ø 11 mm
Protection class	IP20
Weight	Type A: 0.8 kg Type B: 1.7 kg
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 40 W
Voltage	220-240 V AC or 110-120 V AC
Frequency	50-60 Hz

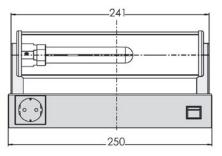




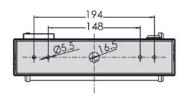








[mm]











#### PART NO.

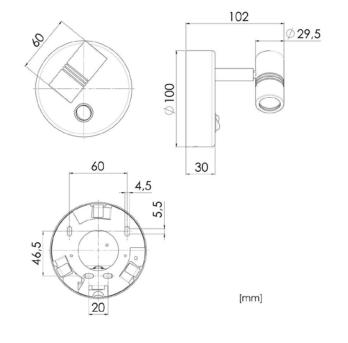
WL100 5127011200-001

#### **EXTRAS**

- > 24 V DC execution
- > Different finishes
- > Different color temperatures

#### ADJUSTABLE LED READING LIGHT WITH SWITCH FOR CABINS AND ACCOMMODATION AREAS

	Design	According to rules of maritime classification societies and relevant standards
F	lousing	Stainless steel, brushed
S	Switch	1-pole switch
S	Svivel range	350°
N	<b>l</b> ounting	4 mounting holes, Ø 4.5 mm
C	Cable entry	Ø 42 mm
P	Protection class	IP20
V	Veight	0.6 kg
L	ight source	LED
V	Vattage	Max. 1 W
C	CCT (color)	2,700 K
L	uminous flux	90 lm
V	/oltage	120-240 V AC
F	requency	50–60 Hz









WL100Q 5127012400-002

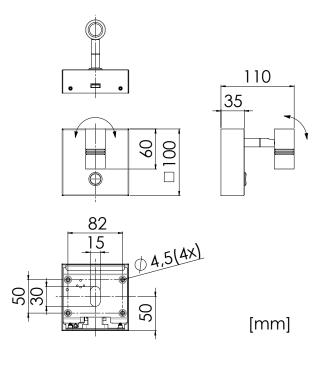
#### **EXTRAS**

- > Different finishes
- > Different color temperatures



#### ADJUSTABLE LED READING LIGHT WITH SWITCH FOR CABINS AND ACCOMMODATION AREAS WITH INTEGRATED USB CHARGER

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, brushed
Switch	1-pole switch
Svivel range	350°
Mounting	4 mounting holes, Ø 4.5 mm
Cable entry	30 mm × 15 mm
Protection class	IP20
Weight	0.7 kg
Light source	LED
Wattage	Max. 1 W
CCT (color)	2,700 K
Voltage	120-240 V AC
Frequency	50-60 Hz











WL30 5127012100-001

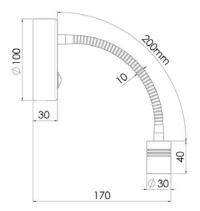
#### **EXTRAS**

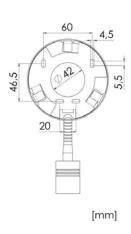
- > 24 V DC execution
- > Different color temperatures



#### ADJUSTABLE LED READING LIGHT WITH SWITCH FOR CABINS AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, brushed
Switch	1-pole switch
Mounting	4 mounting holes, Ø 4.5 mm
Cable entry	Ø 42 mm
Protection class	IP20
Weight	0.5 kg
Light source	LED
Wattage	Max. 1 W
CCT (color)	2,700 K
Luminous flux	90 lm
Voltage	120-240 V AC
Frequency	50-60 Hz









## LED READING LIGHT

# WL30Q



WL30Q 5127012100-002

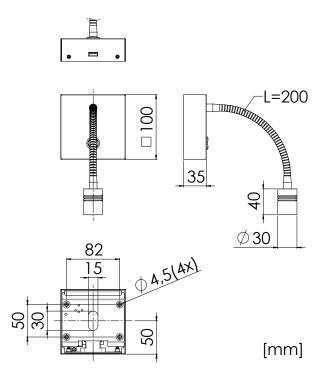
#### **EXTRAS**

- > Different finishes
- > Different color temperatures



#### ADJUSTABLE LED READING LIGHT WITH SWITCH FOR CABINS AND ACCOMMODATION AREAS WITH INTEGRATED USB CHARGER

Design	According to rules of maritime classification societies and relevant standards
Housing	Stainless steel, brushed
Switch	1-pole switch
Mounting	4 mounting holes, Ø 4.5 mm
Cable entry	30 mm × 15 mm
Protection class	IP20
Weight	0.5 kg
Light source	LED
Wattage	Max. 1 W
CCT (color)	2,700 K
Luminous flux	90 lm
Voltage	120-240 V AC
Frequency	50-60 Hz







Find our complete



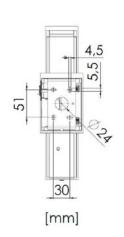
#### PART NO.

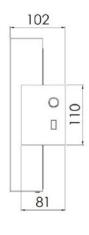
WL282 with USB switch left 5130007500-008 WL282 with USB switch right 5130007500-007

عر	SPARE PARTS	PART NO.
	Diffuser	7934000600

#### WALL LIGHT WITH SWITCH FOR CABINS AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Aluminium, RAL9006
Diffuser	Polycarbonate, opal
Switch	1-pole switch
Specials	1 × USB, 5V/2A
Mounting	4 mounting holes, Ø 4.5 mm
Cable entry	Ø 24 mm
Protection class	IP20
Weight	1.0 kg
Light source	LED
Wattage	Max. 1×6 W
CCT (color)	3,000 K
Luminous flux	350 lm
CRI	≥ 90
Voltage	220-240 V AC
Frequency	50–60 Hz











Find our complete



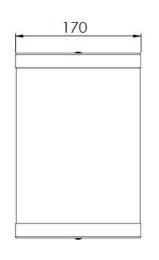
WL64

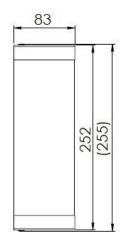
5127003700-005



#### DECORATIVE WALL LIGHT FOR CABINS, LOUNGES AND ACCOMMODATION AREAS

Design	According to rules of maritime classification societies and relevant standards
Housing	Chromium plated steel
Lamp shade	Polycarbonate, opal
Mounting	4 mounting holes, Ø 4 mm
Protection class	IP20
Weight	1.2 kg
Light source	LED (lamp not included)
Lamp base	E14
Wattage	Max. 25 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz







[mm]





### WALL LIGHT, SURFACE

# WL Melissa 8

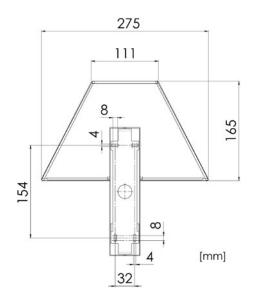


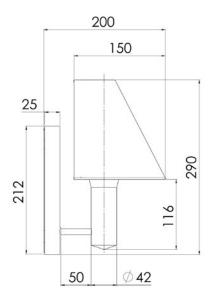


#### DECORATIVE WALL LIGHT WITH SWITCH FOR CABINS

Design	According to rules of maritime classification societies and relevant standards
Housing	Brass, polished
Lamp shade	Beige Perlatex, washable
Switch	1-pole switch
Mounting	4 mounting holes, Ø 8 mm
Cable entry	Ø 21 mm
Protection class	s IP20
Weight	0.7 kg
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50-60 Hz or 0 Hz

PART NO.		
WL Melissa	5127001800	
> SPARE PARTS	PART NO.	
Lamp shade	7112010700	









Find our complete



# Montreal

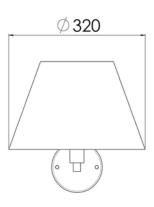
#### PART NO.

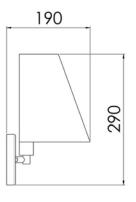
Wall light, nickel matte 5127014000-001
Wall light, brass polished 5127014000-002



## DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, WALL LIGHT

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, creme white
Mounting	Screw type base for wall mounting
Terminal	3-pole plug
Cable entry	Ø 21 mm
Protection class	F IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz





[mm]





# Montreal

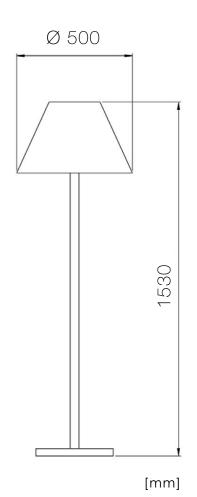
#### PART NO.

Floor lamp, nickel matte 5131003500-001
Floor lamp, brass polished 5131003500-002



# DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, FLOOR LAMP

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, creme white
Terminal	3-pole plug
Cable entry	Ø 21 mm
Connection type	Power cord with Euro plug
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 100 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz







# Montreal

#### PART NO.

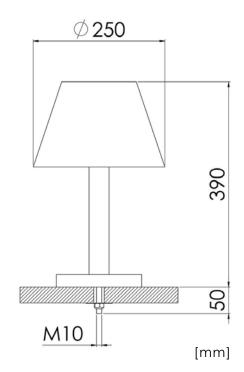
Table light S, nickel matte 5135012700-001

Table light S, brass polished 5135012700-002



## DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, TABLE LIGHT SMALL

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, creme white
Terminal	3-pole plug
Cable entry	Ø 21 mm
Connection type	Power cord with Euro plug and switch
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50-60 Hz or 0 Hz
·	





Find our complete



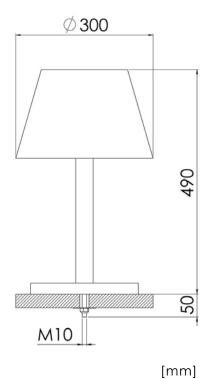
# DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, TABLE LIGHT LARGE

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, creme white
Terminal	3-pole plug
Cable entry	Ø 21 mm
Connection type	Power cord with Euro plug and switch
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz

#### PART NO.

Table light L, nickel matte 5135012600-001

Table light L, brass polished 5135012600-002







# Montreal

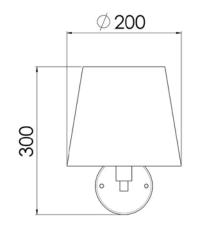
#### PART NO.

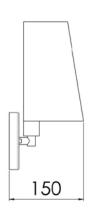
Wall light, nickel matte 5127013800-001
Wall light, brass polished 5127013800-002



## DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, WALL LIGHT

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, natural white
Mounting	Screw type base for wall mounting
Terminal	3-pole plug
Cable entry	Ø 21 mm
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz





[mm]





# Montreal

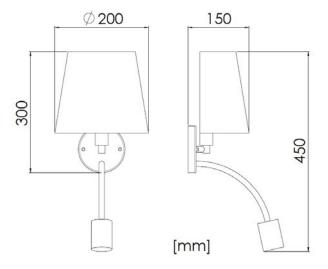
#### PART NO.

Wall light, nickel matte 5127013900-001
Wall light, brass polished 5127013900-002



# DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, WALL LIGHT WITH 3 W READING LIGHT

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, natural white
Mounting	Screw type base for wall mounting
Terminal	3-pole plug
Cable entry	Ø 21 mm
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 60 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz





# Montreal

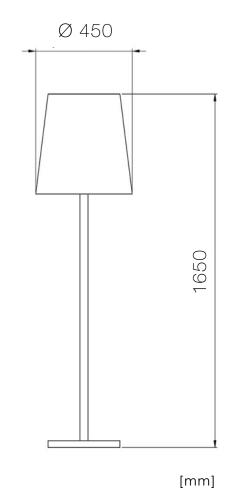
#### PART NO.

Floor lamp, nickel matte 5131003400-001 Floor lamp, brass polished 5131003400-002



# DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, FLOOR LAMP

Design	According to rules of maritime classification societies and relevant standards
Housing	Nickel matte or brass polished
Lamp shade	Chintz, natural white
Terminal	3-pole plug
Cable entry	Ø 21 mm
Connection type	Power cord with Euro plug
Protection class	IP20
Light source	LED (lamp not included)
Lamp base	E27
Wattage	Max. 100 W
Voltage	110/240 V AC or 24 V DC
Frequency	50–60 Hz or 0 Hz







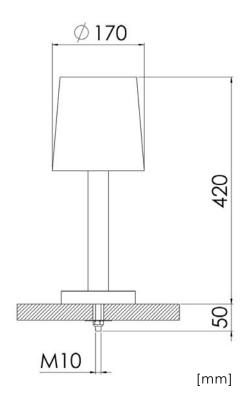
#### PART NO.

Table light S, nickel matte 5135012900-001 Table light S, brass polished 5135012900-002



#### DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, TABLE LIGHT SMALL

Design	According to rules of maritime classification societies and relevant standards	
Housing	Nickel matte or brass polished	
Lamp shade	Chintz, natural white	
Terminal	3-pole plug	
Cable entry	Ø 21 mm	
Connection type	Power cord with Euro plug and switch	
Protection class	IP20	
Light source	LED (lamp not included)	
Lamp base	E27	
Wattage	Max. 60 W	
Voltage	110/240 V AC or 24 V DC	
Frequency	50-60 Hz or 0 Hz	







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# Montreal

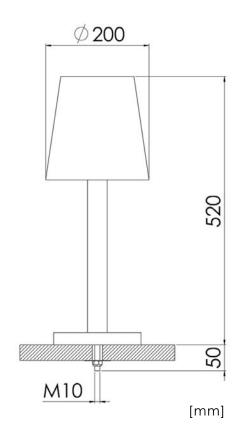
#### PART NO.

Table light L, nickel matte 5135012800-001
Table light L, brass polished 5135012800-002



## DECORATIVE LIGHTING SERIES FOR LIVING ROOMS, TABLE LIGHT LARGE

Design	According to rules of maritime classification societies and relevant standards	
Housing	Nickel matte or brass polished	
Lamp shade	Chintz, natural white	
Terminal	3-pole plug	
Cable entry	Ø 21 mm	
Connection type	Power cord with Euro plug and switch	
Protection class	IP20	
Light source	LED (lamp not included)	
Lamp base	E27	
Wattage	Max. 60 W	
Voltage	110/240 V AC or 24 V DC	
Frequency	50–60 Hz or 0 Hz	





Find our complete



DA16FXS53	HL6590	TI14 ·····9
DA16FS54	HL71 ·····89	Tl20 ·····9
DA25 ····· 55		Tl20 ·····9
DA Flex S51	K	Tl20 ·····9
DA Flex L52		TI20 ·····9
DE02 ····· 42	KJ15 ····· 104	TI65 ·····9
DE16XS 43	KJ56 ····· 103	TL09 2
DE16S 44	KJ Smart 102	TL09 Sign8
DE29S45	KL63 ······32	TL40S2
DE29L46	KL/KR61ZS33	TL40L2
DE38S 47	KL/KR61ZL35	TL53S3
DE38L 48		TL53L3
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DE95 DCC L50		TL Vario L ·····2
DL01 ····· 63	Montreal ······113	
DL50 ····· 69	Montreal ······114	W
DL63 ····· 82	Montreal ······115	
DL63 IP55 ·····84	Montreal ······116	WL3010
DL67 ····· 79	Montreal ······117	WL30Q10
DL70 ····· 68	Montreal ······118	WL6411
DL85 ····· 73	Montreal ······119	WL75Q6
DL90A71	Montreal ······120	WL100 10
DL90AL70	Montreal 121	WL100Q10
DL90S72		WL28210
DL100	S	WL Melissa ······11
DL110Q85		
DI 120 ······ 78	SL9738	
DL170 ······ 80	SP66S60	
DL Vario S76	SP66M ······61	
DL Vario L	SP66L62	
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EL Flex L59	ST80S14	
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