



Exd- light fittings

Incandescent and
dischargelamps

Floodlights

Fluorescent light
fittings

Emergency
fluorescent light fittings



Malux Finland Oy on perustettu vuonna 1979 ja toimii omissa tiloissa Porvoossa. Yrityksemme on erikoistunut räjähdysvaarallisten tilojen valaisimiin, asennustarvikkeisiin, sähkölaitteisiin, takogeneraattoreihin, pulssiantureihin, turvavalaisimiin ja turvavalistuskeskuksiin. Tuotevalikoimaamme sisältyvät myös erikoisvalaisimet, kuten vedenalaiset valaisimet, piha- ja julkisivuvalaisimet, ilkvallalta suojatut valaisimet sekä vaativiin olosuhteisiin soveltuvat valaisimet.

Toimitilojemme yhteydessä sijaitsevassa kokoonpano-osastossamme kalustamme jakorasioita, riviliitinkoteloita, ohjauskytkimiä ja käynnistimiä asiakkaiden vaatimusten mukaisesti. Varastotuotevalikoimamme kattaa noin 3000 tuotetta. Laajan varastotuotevalikoimamme ja kokoonpano-osastomme ansiosta voimme tarjota asiakkaillemme laadukkaan, kilpailukykyisen ja nopean palvelun.

Malux Finland Oy kuuluu Malux-ryhmään. Ruotsalainen emoyhtiö Malux AB perustettiin vuonna 1972 Örnsköldsvikissä. Konsernin palveluksessa on yhteensä noin 75 työntekijää Ruotsissa, Suomessa ja Virossa.

Malux Finland Oy was founded in 1979 and the company has own premises in Porvoo, 50 km east of Helsinki. Malux is specialized in electrical equipment for explosive atmospheres such as light fittings, installation material and other electrical apparatus, tachogenerators, encoders and emergency supply units. Malux also supplies special luminaires for extreme ambient conditions, underwater lights, outdoor and vandal resistant luminaires.

In the assembly workshop on our premises, we equip junction boxes, terminal boxes, control stations and starters, according to specifications from our customers. Items on stock exceeds 3000 different articles. Our large product range and high stock level combined with own assembly workshop make it possible to offer our customers high quality products and excellent service.

Malux Finland belongs to the Malux Group, who has around 75 employees in Sweden, Finland and Estonia. The Swedish parent company Malux AB was founded in 1972 in Örnsköldsvik.

Фирма **Malux Finland Oy** основана в 1979г. и функционирует в собственных производственных помещениях в г. Порвoo. Наша фирма специализируется на светильниках для взрывоопасных помещений, электромонтажных изделиях, электрооборудовании, тахогенераторах, импульсных датчиках, аварийных светильниках, а также осветительных автоматических системах обеспечения безопасности. В наш ассортимент продукции также входят специальные светильники, например: подводные, уличные, фасадные, удароустойчивые и светильники для экстремальных условий.

На территории предприятия находится мастерская, где по чертежам заказчика собираются распределительные коробки, коробки с нажимными кнопками, а также пускатели. На полках нашего склада найдется около 3000 наименований продукции. За счет большого склада, а также собственной мастерской можем предложить конкурентоспособные цены и быстрые поставки.

Фирма Malux Finland Oy принадлежит концерну Malux AB. Шведская компания-учредитель Malux AB была основана в 1972г. в городе Йорншелдсвике. На наших предприятиях заняты 75 специалистов в Швеции, Финляндии и Эстонии.



Technical data

Type EVAC...

Installation: Zone 1-2 (EN 60.079-10)
 Class 1 Division 1-2 (NEC)
 Class 2 Division 1-2 (NEC)

Gas groups: IIA - IIB - IIC (Cenelec EN 50.014)
 Groups B-C-D-E-F-G (NEC)

Surface temperature: See annexed table (EN 50.014)

Protection type: EEx-d IIC (EN 50.014 - EN 50.018)

Classification: Category II 2 GD

Protection degree: IP66 (EN 60.529)

Ambient temperature: -20°C - + 52°C

Power factory: 0,95 min (cos φ)

Volt: 220-240 V 50 Hz



Execution	Equipment	Certificate
EEX-d IIC T* IP66	Lighting fixture	INERIS 01 ATEX 0054X
EEX-d IIC T* IP66	Control gear	INERIS 01 ATEX 0054X

T* = please see temperature class on page 4 and 6

Standard materials:

- Marine grade copper free aluminium
- Stainless steel external screws
- Borosilicate glass
- Galvanized steel protection guard
- White enamelled reflector



EEx d IIC T.. IP66

Art. nr.	Type	W	Hubs	Temp. Class	Installation	Detail
	EVAC101-100I	100	1 x 3/4" NPT	T4	Suspension	A
	EVAC100-100IC	100	4 x 3/4" NPT	T4	Ceiling	B
	EVAC100-100IJ	100	4 x 3/4" NPT	T4	Wall 45°	C
	EVAC201-200I	200	1 x 3/4" NPT	T4	Suspension	A
	EVAC200-200IC	200	4 x 3/4" NPT	T4	Ceiling	B
	EVAC200-200IJ	200	4 x 3/4" NPT	T4	Wall 45°	C
	EVAC301-300I	300	1 x 3/4" NPT	T4	Suspension	A
	EVAC300-300IC	300	4 x 3/4" NPT	T4	Ceiling	B
	EVAC300-300IJ	300	4 x 3/4" NPT	T4	Wall 45°	C
	EVAC501-500I	500	1 x 1" NPT	T3	Suspension	A
	EVAC500-500IC	500	4 x 1" NPT	T3	Ceiling	B
	EVAC500-500IJ	500	4 x 1" NPT	T3	Wall 45°	C
	EVAC101-15FL	15	1 x 3/4" NPT	T6	Suspension	A
	EVAC100-15FLC	15	4 x 3/4" NPT	T6	Ceiling	B
	EVAC100-15FLJ	15	4 x 3/4" NPT	T6	Wall 45°	C
	EVAC201-23FI	23	1 x 3/4" NPT	T6	Suspension	A
	EVAC200-23FLC	23	4 x 3/4" NPT	T6	Ceiling	B
	EVAC200-23FLJ	23	4 x 3/4" NPT	T6	Wall 45°	C
	EVAC201-160MLL	160	1 x 3/4" NPT	T3	Suspension	A
	EVAC200-160MLLC	160	4 x 3/4" NPT	T3	Ceiling	B
	EVAC200-160MLLJ	160	4 x 3/4" NPT	T3	Wall 45°	C
	EVAC301-250MLL	250	1 x 3/4" NPT	T3	Suspension	A
	EVAC300-250MLLC	250	4 x 3/4" NPT	T3	Ceiling	B
	EVAC300-250MLLJ	250	4 x 3/4" NPT	T3	Wall 45°	C
	EVAC501-500MLL	500	1 x 3/4" NPT	T2	Suspension	A
	EVAC500-500MLLC	500	4 x 3/4" NPT	T2	Ceiling	B
	EVAC500-500MLLJ	500	4 x 3/4" NPT	T2	Wall 45°	C

C/W reflector, guard, bracket, 1 gland and plug

I = incandescent
FL = compact fluorescent
MLL = blended

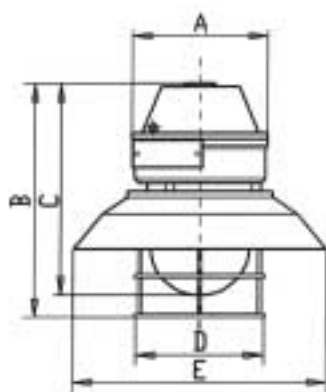
- reflector and guard, see page 5
- M-thread on request

Weight and dimensions for page 4

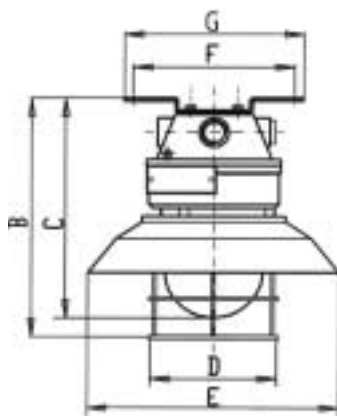
Art. nr.	Type	A	B	C	D	E	F	G	kg	Detail
	EVAC-101..	150	271	237	145	280	-	-	-	A
	EVAC-100..C	150	287	253	145	280	180	200	-	B
	EVAC-100..J	150	271	237	145	280	70	-	-	C
	EVAC-201..	176	285	257	170	345	-	-	-	A
	EVAC-200..C	176	301	273	170	345	180	200	-	B
	EVAC-200..J	176	285	257	170	345	70	-	-	C
	EVAC-301..	197	373	328	190	393	-	-	-	A
	EVAC-300..C	197	389	344	190	393	180	200	-	B
	EVAC-300..J	197	373	328	190	393	70	-	-	C
	EVAC-501..	261	432	392	255	515	-	-	-	A
	EVAC-500..C	261	448	408	255	515	180	200	-	B
	EVAC-500..J	261	432	392	255	515	70	-	-	C

Reflector and guards

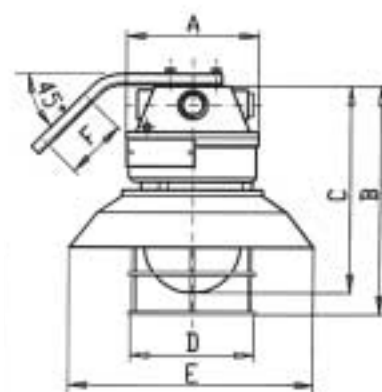
Art. nr.	Type	Description	Luminaire	Luminaire	Material
	D-100	Flat reflector	EVAC101..	EVAC100..	White stove enamelled steel
	D-200	Flat reflector	EVAC201..	EVAC200..	
	D-220	30° reflector	EVAC201..	EVAC200..	
	D-300	Flat reflector	EVAC301	EVAC300..	
	D-330	30° reflector	EVAC301..	EVAC300..	
	D-500	Flat reflector	EVAC501..	EVAC500..	
	G-100	Protection guard	EVAC101..	EVAC100..	Galvanized steel
	G-200	Protection guard	EVAC201..	EVAC200..	
	G-300	Protection guard	EVAC301	EVAC300	
	G-500	Protection guard	EVAC501..	EVAC500..	



Detail A



Detail B



Detail C

Note: detail B also possible to mount on pipe with special pipe clamp.



Light fixtures for high pressure mercury vapour lamps

Art. nr.	Type	W	Hubs	Temp. Class	Installation	Detail
	EVAC101-80HG	80	1 x 3/4" NPT	T4	Suspension	D
	EVAC101-80HGC	80	4 x 3/4" NPT	T4	Ceiling	E
	EVAC101-80HGJ	80	4 x 3/4" NPT	T4	Wall 45°	F
	EVAC201-125HG	125	1 x 3/4" NPT	T3	Suspension	D
	EVAC201-125HGC	125	4 x 3/4" NPT	T3	Ceiling	E
	EVAC201-125HGJ	125	4 x 3/4" NPT	T3	Wall 45°	F
	EVAC301-250HG	250	1 x 3/4" NPT	T3	Suspension	D
	EVAC301-250HGC	250	4 x 3/4" NPT	T3	Ceiling	E
	EVAC301-250HGJ	250	4 x 3/4" NPT	T3	Wall 45°	F
	EVAC501-400HGC	400	4 x 3/4" NPT	T3	Ceiling	E
	EVAC501-400HGJ	400	4 x 3/4" NPT	T3	Wall 45°	F

Light fixtures for high pressure sodium lamps

Art. nr.	Type	W	Hubs	Temp. Class	Installation	Detail
	EVAC101-70HPNa	70	1 x 3/4" NPT	T4	Suspension	D
	EVAC101-70HPNaC	70	4 x 3/4" NPT	T4	Ceiling	E
	EVAC101-70HPNaJ	70	4 x 3/4" NPT	T4	Wall 45°	F
	EVAC301-150HPNa	150	1 x 3/4" NPT	T4	Suspension	D
	EVAC301-150HPNaC	150	4 x 3/4" NPT	T4	Ceiling	E
	EVAC301-150HPNaJ	150	4 x 3/4" NPT	T4	Wall 45°	F
	EVAC301-250HPNa	250	1 x 3/4" NPT	T3	Suspension	D
	EVAC301-250HPNaC	250	4 x 3/4" NPT	T3	Ceiling	E
	EVAC301-250HPNaJ	250	4 x 3/4" NPT	T3	Wall 45°	F
	EVAC501-400HPNaC	400	4 x 3/4" NPT	T3	Ceiling	E
	EVAC501-400HPNaJ	400	4 x 3/4" NPT	T3	Wall 45°	F

Light fixtures for metal halide lamps

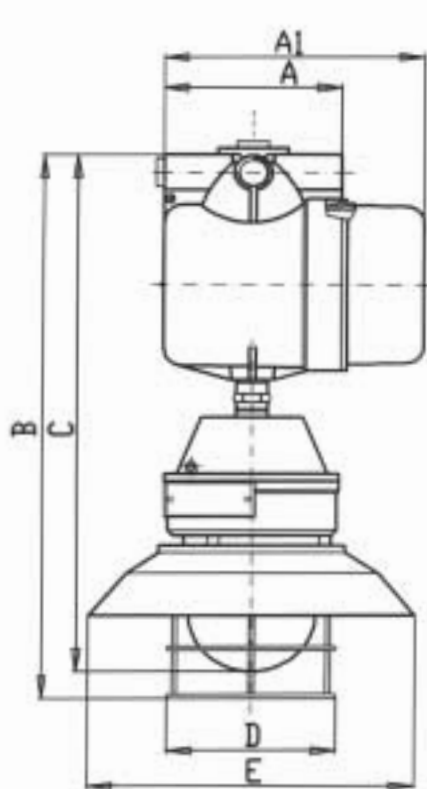
Art. nr.	Type	W	Hubs	Temp. Class	Installation	Detail
	EVAC101-100MH	100	1 x 3/4" NPT	T4	Suspension	D
	EVAC101-100MHC	100	4 x 3/4" NPT	T4	Ceiling	E
	EVAC101-100MHJ	100	4 x 3/4" NPT	T4	Wall 45°	F
	EVAC301-150MH	150	1 x 3/4" NPT	T4	Suspension	D
	EVAC301-150MHC	150	4 x 3/4" NPT	T4	Ceiling	E
	EVAC301-150MHJ	150	4 x 3/4" NPT	T4	Wall 45°	F
	EVAC301-250MH	250	1 x 3/4" NPT	T3	Suspension	D
	EVAC301-250MHC	250	4 x 3/4" NPT	T3	Ceiling	E
	EVAC301-250MHJ	250	4 x 3/4" NPT	T3	Wall 45°	F
	EVAC501-400MHC	400	4 x 3/4" NPT	T3	Ceiling	E
	EVAC501-400MHJ	400	4 x 3/4" NPT	T3	Wall 45°	F

C/W reflector, guard, bracket, 1 gland and plug

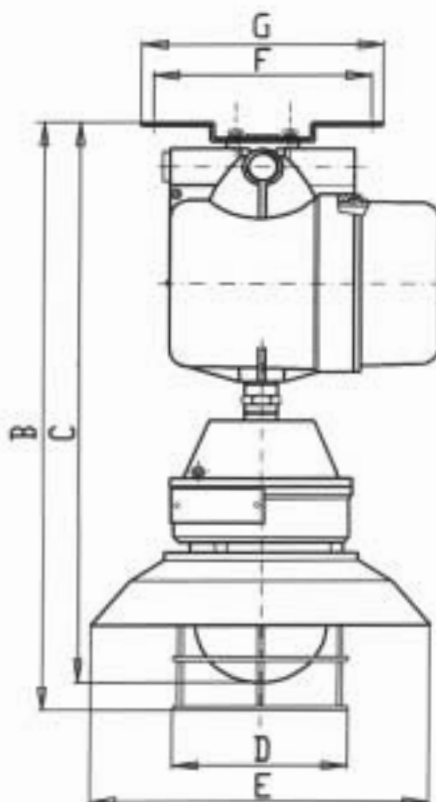
Hg = high pressure mercury vapour
 HPNa = high pressure sodium vapour
 MH = metal halid

Weight and dimensions for page 6

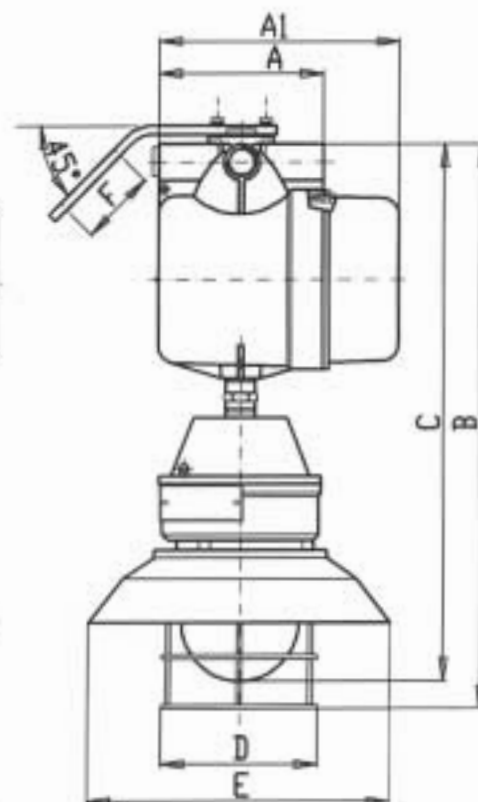
Art. nr.	Type	A	A1	B	C	D	E	F	G	weight	detail
	EVAC-101..	153	224	510	476	145	280	-	-	-	D
	EVAC-100..C	153	224	526	492	145	280	180	200	-	E
	EVAC-100..J	153	224	510	476	145	280	70	-	-	F
	EVAC-201..	153	224	524	495	170	345	-	-	-	D
	EVAC-200..C	153	224	540	511	170	345	180	200	-	E
	EVAC-200..J	153	224	524	495	170	345	70	-	-	F
	EVAC-301..	153	224	612	567	190	393	-	-	-	D
	EVAC-300..C	153	224	628	583	190	393	180	200	-	E
	EVAC-300..J	153	224	612	567	190	393	70	-	-	F
	EVAC-501..	153	224	670	631	255	515	-	-	-	D
	EVAC-500..C	153	224	686	647	255	515	180	200	-	E
	EVAC-500..J	153	224	670	631	265	515	70	-	-	F



Detail D



Detail E



Detail F

Note: Detail E also possible to mount on pipe with special pipe clamp

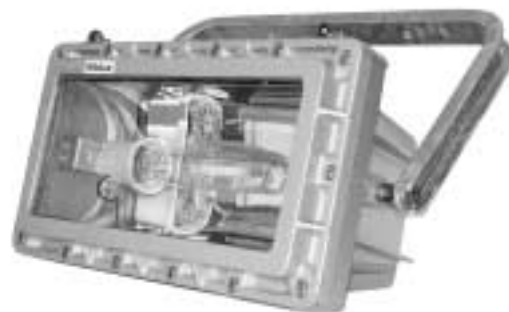
- Reflector and guards, see page 5



Technical data

Type SFDE

Installation:	Zone 1-2 (EN 60.079-10) Class 1 Division 1-2 (NEC) Class 2 Division 1-2 (NEC)
Gas groups:	IIA - IIB (Cenelec EN 50.014) Groups C-D-E-F-G (NEC)
Surface temperature:	See annexed table (EN 50.014)
Protection type:	EEx de IIB (EN 50.014 - EN 50.018/019)
Protection degree:	IP65 (EN 60.529)
Ambient temperature:	-20°C - +52°C
Power factory:	0,95 min (cos_)
Volt:	220-240V 50 Hz



Execution	Equipment	Certificate
EEx-de IIB T3 IP65	Floodlight for discharge lamps	INERIS 01ATEX 018

Standard materials:

- Marine grade copper free aluminium
- Galvanized and adjustable steel support
- Tempered frontal glass
- Stainless steel external screws
- Polished and brightened aluminium reflector

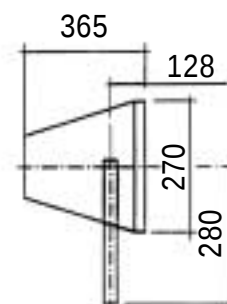
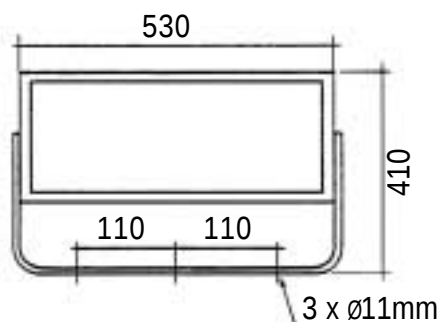
EEx de II B T3 IP65

Art. nr.	Type	W	Hubs	Temp. Class	Weight kg
	SFDE-250Hg	250	2 x M20	T3	18
	SFDE-400Hg	400	2 x M20		
	SFDE-150HPNa	150	2 x M20		
	SFDE-250HPNa	250	2 x M20		
	SFDE-400HPNa	400	2 x M20		19
	SFDE-250MH	250	2 x M20		
	SFDE-400MH	400	2 x M20		11
	SFDE-500IA	500	2 x M20		

Hg	= high pressure mercury vapour
HPNa	= high pressure sodium vapour
MH	= metal halid
IA	= quartz iodin

Note:

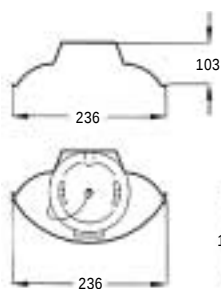
Due to the development of the national and international specifications and of the technology, the above characteristics can be considered as binding only on our confirmation.



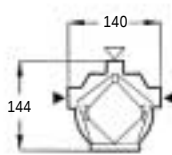
Technical data

Type AB 12

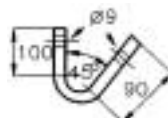
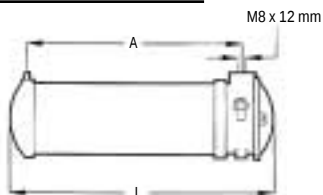
Type of protection:	EEx d IIB T6/T5
Certificate of conformity:	LOM 90.C.0027
Enclosure material:	Copper-free aluminium yellow polyester paint finish
Transparent cover:	Borosilicate glass
Rated voltage:	230 V $\pm 10\%$, 50 Hz $\cos \varphi \geq 0,9$, with starter
Degree of protection:	IP 67 to EN 60529
Insulation class:	I
Permissible ambient temperature:	-20°C to +55°C
Enclosure entry holes:	Direct entry: EEx d 2 x 3/4" ISO 7/1
Connection terminals:	L1, N and PE: 2 x 2,5 mm ² PE ext. 2 x 6 mm ²



optional entries, on request
entries



Type	L	A
AB12 220C	707	652
AB12 240C	1320	1265
AB12 265C	1620	1565

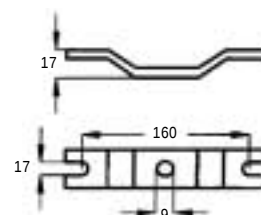


Wall bracket BFP 45



Pipeclamp A7 A8 A9

Pipeclamp	Conduit	D (mm)
A7	1 1/4"	38-42
A8	1 1/2"	47-51
A9	2"	56-60



Ceiling bracket A5



Eyebolt A1

Dimensions in mm

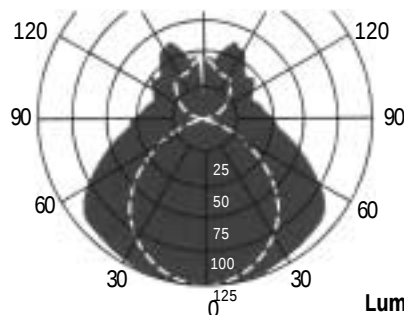
EEx de II B T.. IP67

Art. nr.	Type	W	Hubs*)	Temp. Class	Weight kg
903 026	AB 12 220C	2 x 18	2 x 3/4" NPT	T6	7
903 032	AB 12 240C	2 x 36	2 x 3/4" NPT	T5	12
903 034	AB 12 265C	2 x 58	2 x 3/4" NPT	T5	14

c/w in standard deliveries one gland and one plug as

Reflector	for light fitting
RAB 220	AB 12 220C
RAB 240	AB 12 240C
RAB 265	AB 12 265C

Reflector with guard	for light fitting
GRAB 220	AB 12 220C
GRAB 240	AB 12 240C
GRAB 265	AB 12 265C



C 0 ———
C90 - - - - -
l/cd/klm

Luminous flux of lamp
approx. 2500 lm (2 x 18 W)
approx. 6000 lm (2 x 36 W)
approx. 9600 lm (2 x 58 W)

Technical data

Type EE 11 PL

Type of protection:	EEx d IIC T6
Certificate of conformity:	LOM 90.C.0027
Enclosure material:	Copper-free aluminium
Transparent cover:	Borosilicate glass
Battery:	NiCd 4 Ah
Degree of protection:	IP 67 to EN 60529
Insulation class:	I
Permissible ambient temperature:	-5°C to +40°C
Enclosure entry holes:	see ordering details
Connection terminals:	2 x 2,5 mm ²
Lamps:	1 x 11 W compact fluorescent lamp for emergency lighting operation, lamp socket 2G7 1x incand. lamp for continous lighting, 12 V, 0.3 A lamp socket E10.



EExd IIC T6 IP67

Art. nr.	Type	Rated voltages V	Hz	Duration	Cable entry for Ø 10-14 mm	Blanking plug	Weight kg
103 905	EE 11 PL	220-240	50/60	1 h	1 x NPT 3/4	1 x NPT 3/4	5,6
103 907	EE 11 PL	108-129	50/60	1 h	1 x NPT 3/4	1 x NPT 3/4	5,6

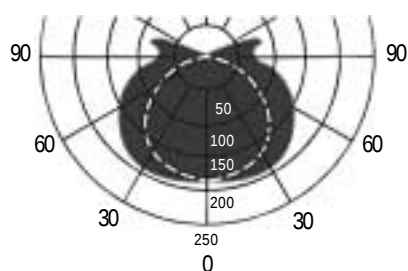
Ceiling bracket D92

Longer charging times are necessary for temperatures under -5 °C

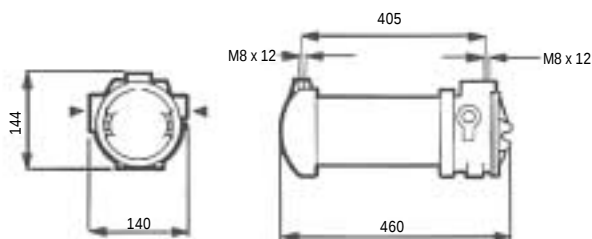
Fixing accessories on request

Asseccories

Art.nr	Legend
506 915	LWRE
506 907	LWRD
506 965	LWRH
506 966	LWRI



C 0 ——— I/cd/klm
C90 - - - - -



Dimensions in mm



Emergency lights
Turvavalaistus



Emergency lights
Turvavalaisimia



Vandal safe light fittings,
valaisimet



Underwater lighting
Vedenalainen valaistus



Ex-light fittings
Ex-valaisimet



Process lighting
Prosessivalaistus



Outdoor lighting
Ulkovalaistus



Special light fittings
Erikoisvalaisimet



Grounding and bonding
Maadoitus ja potentiaalintaus

Other products

Ex-light fittings
Ex-installation units
Ex-sockets and plugs
Ex-control switches and safety switches
Ex-alarm equipment
Ex-heating devices
Ex-telephones
Exi-components and equipment
Ex-actuators
Ex-motors
Tachogenerators and encoders
Emergency lighting
Underwater lighting
Outdoor lighting
Special lighting
Vandal safe lighting

Malux



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