

TIGO / 30NE

E

CONTENT



INDIVIDUALLY CONFIGURABLE
The entire system can be adapted to specific requirements and needs.
More info on page 25

RESISTANCE TO CHEMICALS

The following table shows the chemical resistance of the different housing materials.

CHEMICAL

	PMMA	PC	GRP
Alcohols	✓	✓	✓
Alcohol up to 30%	✗	✗	✗
Methanol	✗	✗	✗
Glycerine	✓	●	✓
Glycol	✓	✓	✓

AQUEOUS SOLUTIONS

	PMMA	PC	GRP
Sea water	✓	✓	✓
Hydrogen Peroxide up to 40%	✗	●	✗
Hydrogen Peroxide over 40%	✗	●	✗
Metal salts in their aqueous solutions	✓	✓	✓
Salt solutions	✓	✓	✓

GASES

	PMMA	PC	GRP
Carbon dioxide	✓	✓	✓
Carbon monoxide	✓	✓	✓

HYDROCARBONS

	PMMA	PC	GRP
Benzene	✗	✗	✗
Diesel oil	✓	●	✓
Petroleum Ether	✓	●	✓
Aliphatic Hydrocarbons	●	✓	●
Aromatic Hydrocarbons	✗	✗	●

OILS

	PMMA	PC	GRP
Aniline	✗	✗	✗
Machine-tool oils	✗	✗	✓
Diesel oil	✗	✗	✓
Brake oil	✗	✗	✗
Flammable acid oils	✗	●	✓
Camphor oil	✗	✗	✗
Lubricating oil	●	✓	✓
Silicone oil	✓	✓	✓
Paraffin oil	●	✓	✓
Saturated mineral oil	✗	✗	●

INORGANIC ACIDS

	PMMA	PC	GRP
Battery acid	✓	✓	✓
Bromic acid	✗	✗	✗
Hydrochloric acid up to 20%	✓	✓	✓
Hydrochloric acid over 20%	✓	●	✓
Nitric acid up to 10%	✓	✓	✓
Nitric acid between 10% and 20%	●	●	●
Nitric acid over 20%	✗	✗	✗
Sulphuric acid	✓	✓	✓
Sulphuric acid up to 50%	✓	✓	✓
Sulphuric acid up to 70%	●	●	✓
Sulphuric acid over 70%	✗	✗	✗
Sulphuric acid up to 5%	●	✗	●

ORGANIC ACIDS

	PMMA	PC	GRP
Acetic acid up to 5%	●	✓	✓
Acetic acid up to 30%	✗	●	✓
Butyric acid	✗	●	✓
Citric acid	●	✓	✓
Lactic acid	●	✓	✓

BASIC COMPOUNDS

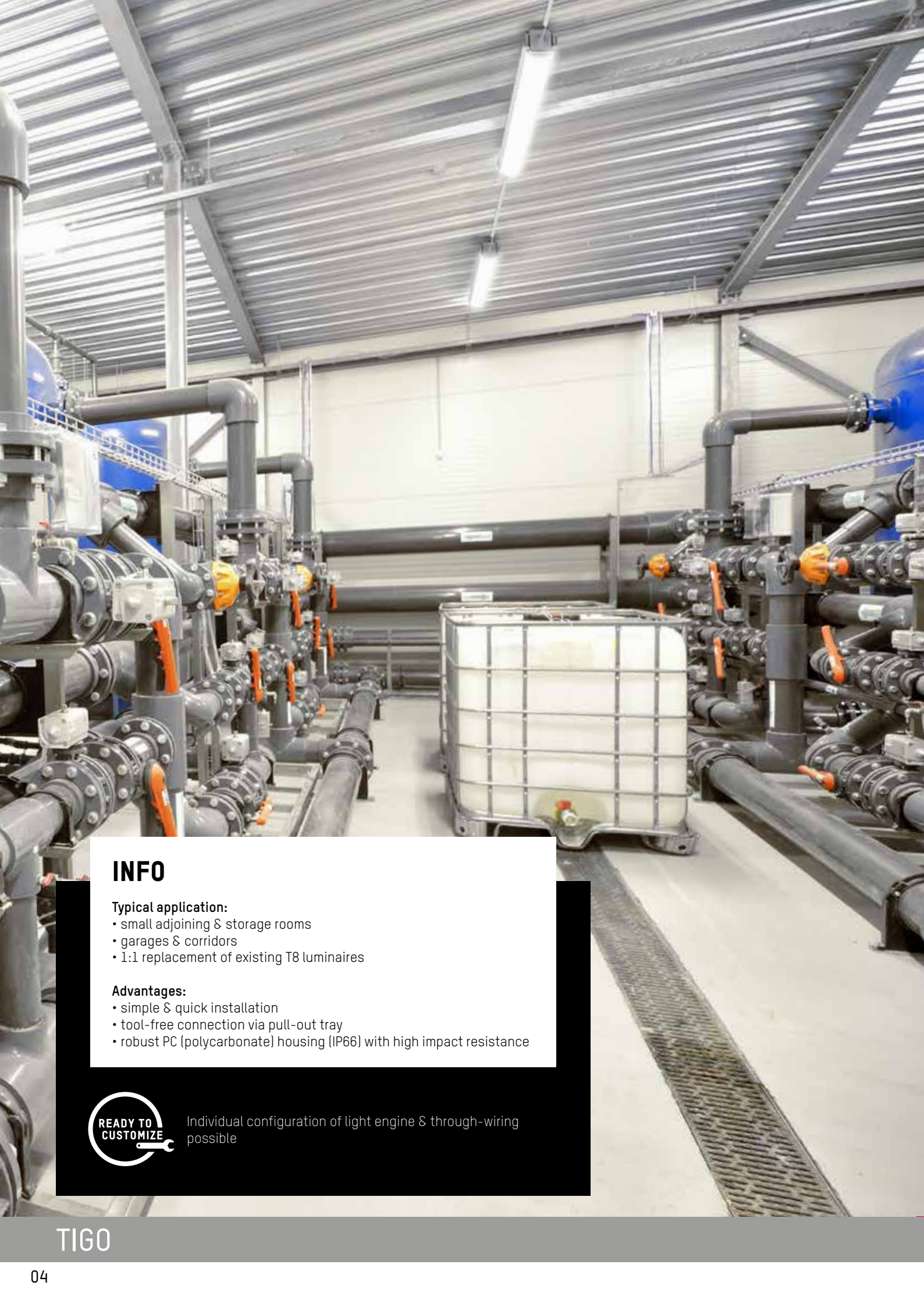
	PMMA	PC	GRP
Ammonia 0,005%*	✓	✗	✓
Milk of lime	✓	●	✓
Synthetic basic compounds	✓	●	✓
Sodium hydroxide up to 2%	✓	✗	●
Sodium hydroxide up to 10%	✓	✗	✗

SOLVENTS

	PMMA	PC	GRP
Acetone	✗	✗	✗
Ketone	✗	✗	✗
Chlorofenol	✗	✗	✗
Chloroform	✗	✗	✗
Methylene Chloride	✗	✗	✗
Dioxane	✗	✗	✓
Ether	✗	✗	●
Ethyl Acetate	✗	✗	✗
Phenol	✗	✗	✗
Methyl-ethyl ketone	✗	✗	✗
Turpentine	●	●	✓
Pyridine	✗	✗	✗
Carbon tetrachloride	✗	✗	✓
Xylene	✗	✗	✗

LEGEND

✓	resistant
●	limited resistance
✗	not resistant



INFO

Typical application:

- small adjoining & storage rooms
- garages & corridors
- 1:1 replacement of existing T8 luminaires

Advantages:

- simple & quick installation
- tool-free connection via pull-out tray
- robust PC (polycarbonate) housing (IP66) with high impact resistance



Individual configuration of light engine & through-wiring possible



TIG0 IP66

CODE	SYS	DIMENSION	4000K/LM	LM/W
175-0732V3223W4Y	25W	1192 x 75 x 75	3250	130
175-0732V4923W4Y	38W	1192 x 75 x 75	4900	129
175-0735V4023W4Y	30W	1492 x 75 x 75	4000	133
175-0735V6523W4Y	50W	1492 x 75 x 75	6500	130

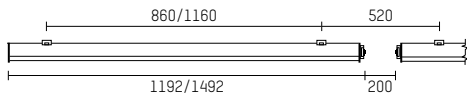
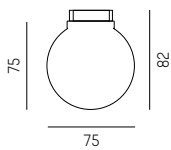
TIG0

CODE	SYS	DIMENSION	W4	LM/W
175-0832032231440	25W	1240 x 75 x 75	3250	130
175-0832049231440	38W	1240 x 75 x 75	4900	133
175-0835040231440	30W	1540 x 75 x 75	4000	128
175-0835065231440	50W	1540 x 75 x 75	6500	130

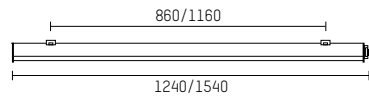
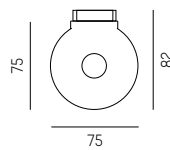


OTHER VERSIONS ON REQUEST

IP66



IP67



ACCESSORIES



HOOKS FOR SUSPENSIONS

175-073

Supplement for a set of hooks for hanging. One set contains 2 hooks.

COMPLETE ARTICLE NUMBER

V = wiring	W = light colour	Y = dimmability
without wiring = 0	LED 4000 = 14	switchable (on/off) = 0
through-wiring 3x 1,5 mm = 1	other light colours on request	DALI dimm. = d
through-wiring 5x 1,5 mm = 3		

INFO

Typical application:

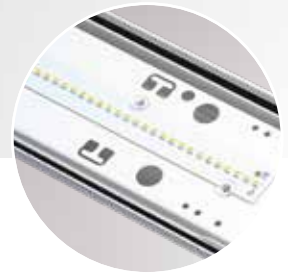
- simple as well as fire-prone premises
- high degree of contamination
- 1:1 replacement of existing T8 luminaires

Advantages:

- long service life up to 50,000h L80 B10
- simple & quick installation with many different feed-in options
- Housing made of GRP (glass-reinforced polyester) with PU sealing (non-aging polyurethane foam)
- unique light transmission (up to 93 %) - excellent visual comfort



Individual configuration of light engine, sensors or emergency light modules (3h battery pack) possible



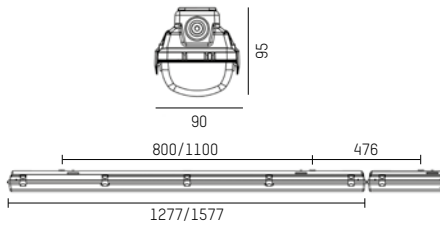
3ONE BASIC PMMA COVER IP66 Ⓢ CE Ⓢ D

CODE	SYS	DIMENSION	4000K/LM	LM/W
175-0032V3413W4Y	25W	1277 x 90 x 95	3400	136
175-0032V5113W4Y	38W	1277 x 90 x 95	5100	134
175-0035V4213W4Y	30W	1577 x 90 x 95	4200	140
175-0035V7013W4Y	51W	1577 x 90 x 95	6950	136

3ONE BASIC PC COVER IP66 Ⓢ CE Ⓢ D

CODE	SYS	DIMENSION	4000K/LM	LM/W
175-0032V3223W4Y	25W	1277 x 90 x 95	3200	128
175-0032V4923W4Y	38W	1277 x 90 x 95	4900	129
175-0035V4023W4Y	30W	1577 x 90 x 95	4000	133
175-0035V6623W4Y	51W	1577 x 90 x 95	6600	129

OTHER VERSIONS ON REQUEST

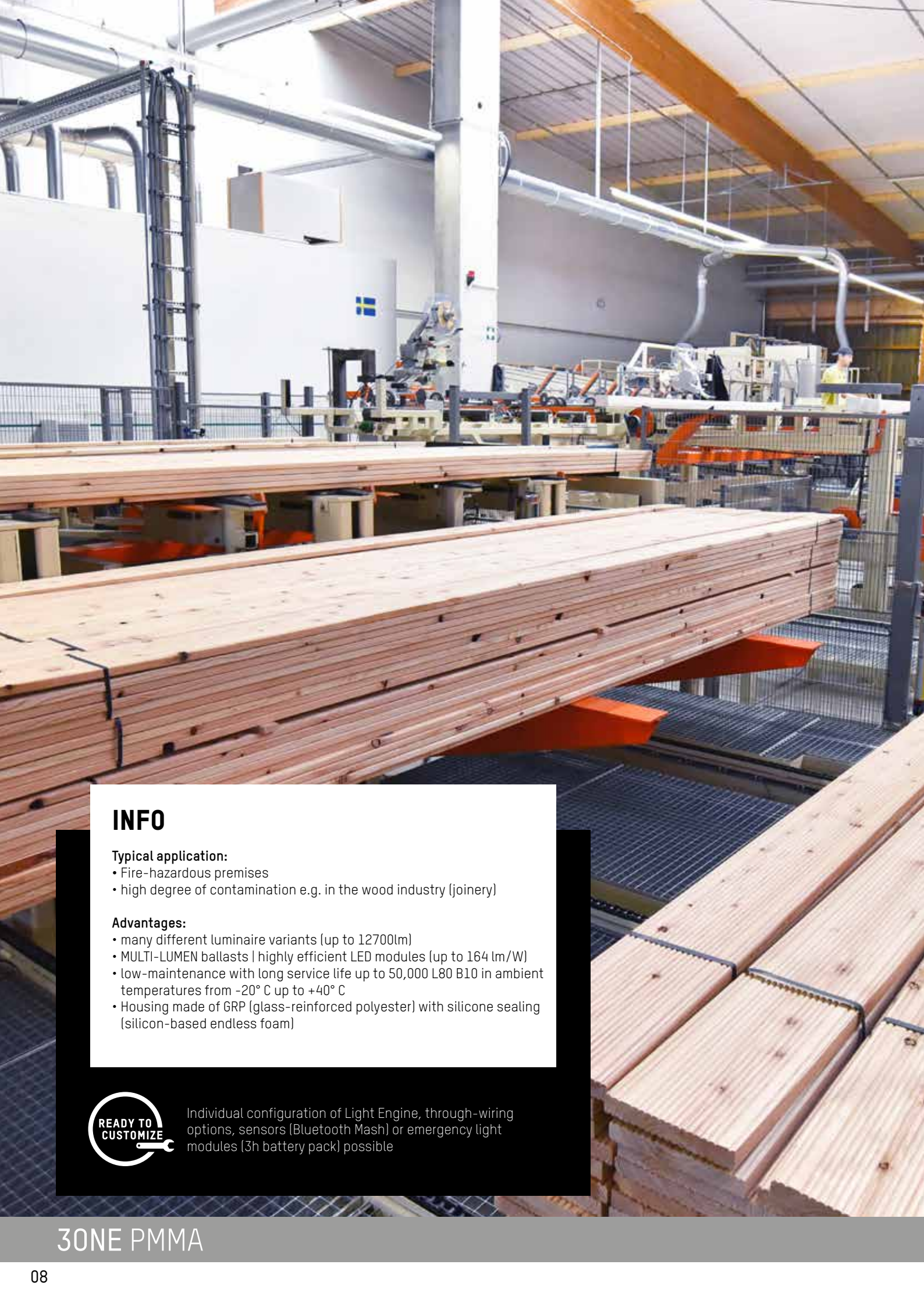


2 pcs. standard clamps included in delivery



COMPLETE ARTICLE NUMBER

V = wiring	W = light colour	Y = dimmability
without wiring = 0	LED 4000 = 14	Ⓢ switchable (on/off) = 0
through-wiring 3x 1,5 mm = 1	other light colours on request	Ⓢ DALI dimm. = d
through-wiring 5x 1,5 mm = 3		



INFO

Typical application:

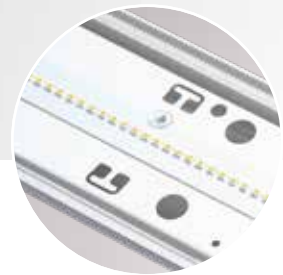
- Fire-hazardous premises
- high degree of contamination e.g. in the wood industry (joinery)

Advantages:

- many different luminaire variants (up to 12700lm)
- MULTI-LUMEN ballasts | highly efficient LED modules (up to 164 lm/W)
- low-maintenance with long service life up to 50,000 L80 B10 in ambient temperatures from -20° C up to +40° C
- Housing made of GRP (glass-reinforced polyester) with silicone sealing (silicon-based endless foam)



Individual configuration of Light Engine, through-wiring options, sensors (Bluetooth Mesh) or emergency light modules (3h battery pack) possible



3ONE PMMA COVER IP66

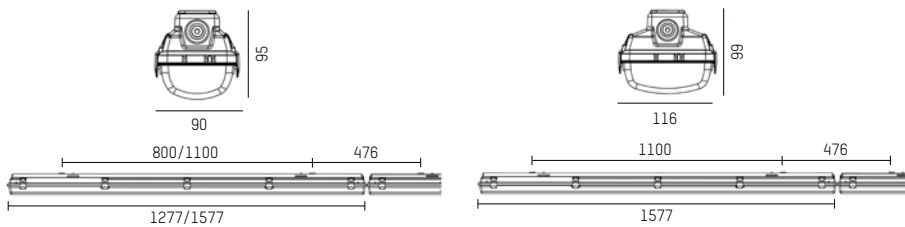
CODE	SYS	DIMENSION	W4	LM/W
175-0162V3313W4Y	22W	1277 x 90 x 95	3300	150
175-0162V4813W4Y	31W	1277 x 90 x 95	4800	155
175-0165V4213W4Y	27W	1577 x 90 x 95	4200	156
175-0165V6513W4Y	41W	1577 x 90 x 95	6500	159
175-0165V8713W4Y	65W	1577 x 90 x 95	8800	135
175-0165V1013W4Y	73W	1577 x 116 x 99	10200	140
175-0165V1213W4Y	83W	1577 x 116 x 99	12700	153

3ONE PMMA COVER MULTI-LUMEN IP66

CODE	SYS	DIMENSION	W4	LM/W
175-0162V5213W41	32W (27/23/19)	1277 x 90 x 95	5200 (4500/3700/3000)	163
175-0165V7213W41	44W (38/32/25)	1577 x 90 x 95	7200 (6200/5200/4100)	164



OTHER VERSIONS ON REQUEST



2 pcs. standard clamps included in delivery



COMPLETE ARTICLE NUMBER		
V = wiring	W = light colour	Y = dimmability
without wiring = 0	LED 4000 = 14	switchable = 0
through-wiring 3x 1,5 mm = 1	other light colours on request	switchable MULTI-LUMEN = 1
through-wiring 5x 1,5 mm = 3		DALI dimm. = d



INFO

Typical application:

- simple as well as fire-hazardous premises
- Areas with increased degree of contamination (e.g. multi-storey car parks)

Advantages:

- Housing made of GRP (glass-reinforced polyester) & PC cover with high impact resistance IK08
- meets the requirements of international standards in the food industry
- unique light transmission (up to 93%) - Excellent visual comfort
- high quality stainless steel clips



Individual configuration of Light Engine, through-wiring options, sensors (Bluetooth Mesh) or emergency light modules (3h battery pack) possible



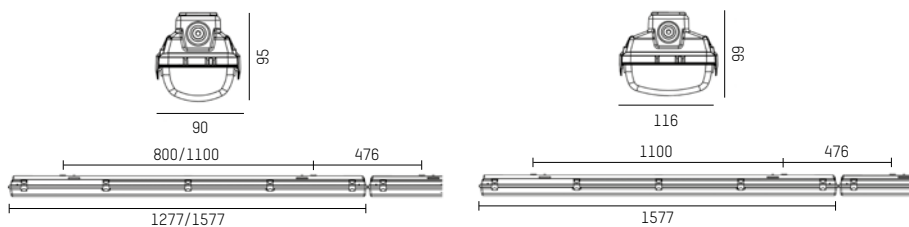
3ONE PC COVER IP66

CODE	SYS	DIMENSION	W4	LM/W
175-0162V3223W4Y	22W	1277 x 90 x 95	3200	145
175-0162V4623W4Y	31W	1277 x 90 x 95	4600	148
175-0165V4023W4Y	27W	1577 x 90 x 95	4000	148
175-0165V6223W4Y	41W	1577 x 90 x 95	6200	151
175-0165V8223W4Y	65W	1577 x 90 x 95	8400	129
175-0165V9623W4Y	73W	1577 x 116 x 99	9600	132
175-0165V1223W4Y	83W	1577 x 116 x 99	12000	145

3ONE PC COVER MULTI-LUMEN IP66

CODE	SYS	DIMENSION	W4	LM/W
175-0162V4823W41	32W (27/23/19)	1277 x 90 x 95	4800 (4100/3400/2700)	150
175-0165V6723W41	44W (38/32/25)	1577 x 90 x 95	6700 (5700/4800/3800)	152

OTHER VERSIONS ON REQUEST



2 pcs. standard clamps included in delivery



COMPLETE ARTICLE NUMBER		
V = wiring	W = light colour	Y = dimmability
without wiring = 0	LED 4000 = 14	switchable = 0
through-wiring 3x 1,5 mm = 2	other light colours on request	switchable MULTI-LUMEN = 1
through-wiring 5x 1,5 mm = 4		DALI dimm. = d



INFO

Typical application:

- Emergency lighting solution with single battery system
- simple as well as fire-prone operating areas
- Areas with a higher degree of contamination (e.g. multi-storey car parks)

Advantages:

- Single battery (rated operating time: 3h), 420lm in emergency mode
- Housing made of GRP (glass-reinforced polyester), PC cover with high impact resistance IK08
- unique light transmission (up to 93%) - excellent visual comfort
- high quality stainless steel clips



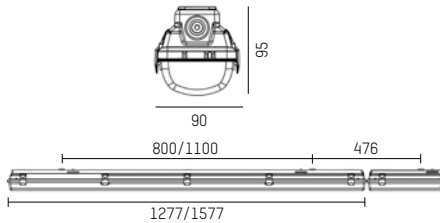
Individual configuration of Light Engine, through-wiring options, or emergency lighting modules (3h battery pack) possible



3ONE EM PC COVER IP66 LiFePO4 Battery - 3,2 V/4,5 Ah

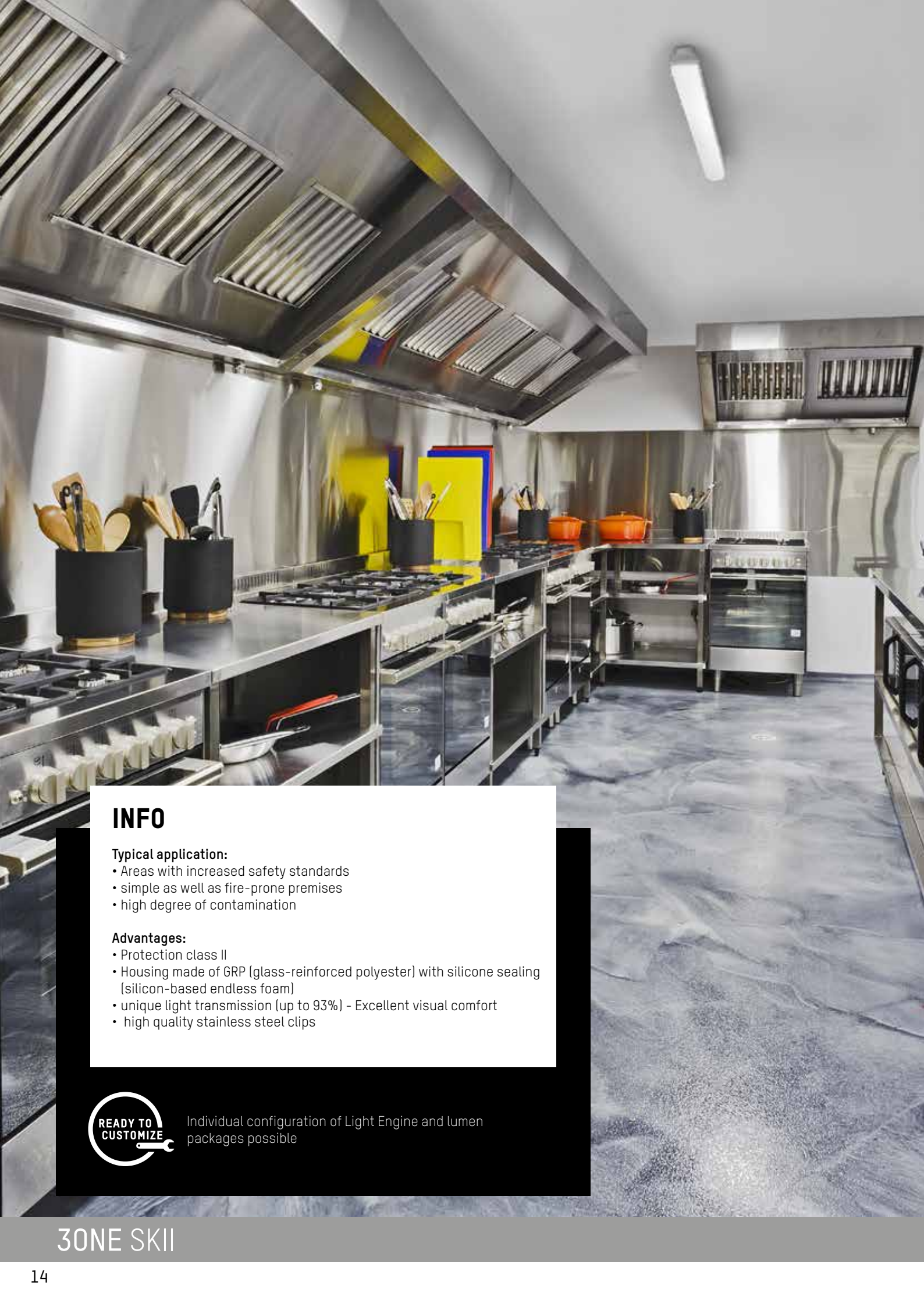
CODE	SYS	DIMENSION	THROUGH-WIRING	LIGHT COLOUR	LUMEN	LM/EMERGENCY MODE	DIMM
175-036203223144e	25W	1277 x 90 x 95	EXCLUDING	4000K	3200	420	ON/OFF
175-036204623144e	33W	1277 x 90 x 95	EXCLUDING	4000K	4600	420	ON/OFF
175-036504023144e	30W	1577 x 90 x 95	EXCLUDING	4000K	4000	420	ON/OFF
175-036506223144e	45W	1577 x 90 x 95	EXCLUDING	4000K	6200	420	ON/OFF

OTHER VERSIONS ON REQUEST



2 pcs. standard clamps
included in delivery





INFO

Typical application:

- Areas with increased safety standards
- simple as well as fire-prone premises
- high degree of contamination

Advantages:

- Protection class II
- Housing made of GRP (glass-reinforced polyester) with silicone sealing (silicon-based endless foam)
- unique light transmission (up to 93%) - Excellent visual comfort
- high quality stainless steel clips



Individual configuration of Light Engine and lumen packages possible

3ONE SKII



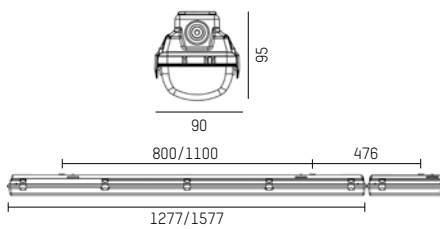
3ONE SKII PMMA COVER IP66

CODE	SYS	DIMENSION	THROUGH-WIRING	LIGHT COLOUR	LUMEN	DIMM
175-0262045131440	31W	1277 x 90 x 95	EXCLUDING	4000K	4500	ON/OFF
175-0265054131440	38W	1577 x 90 x 95	EXCLUDING	4000K	5400	ON/OFF
175-0265069131440	49W	1577 x 116 x 99	EXCLUDING	4000K	6900	ON/OFF

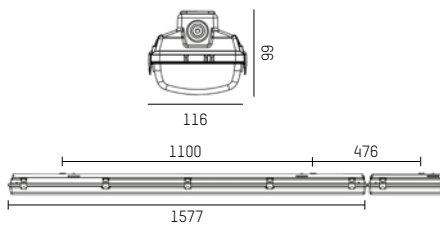
3ONE SKII PC COVER IP66

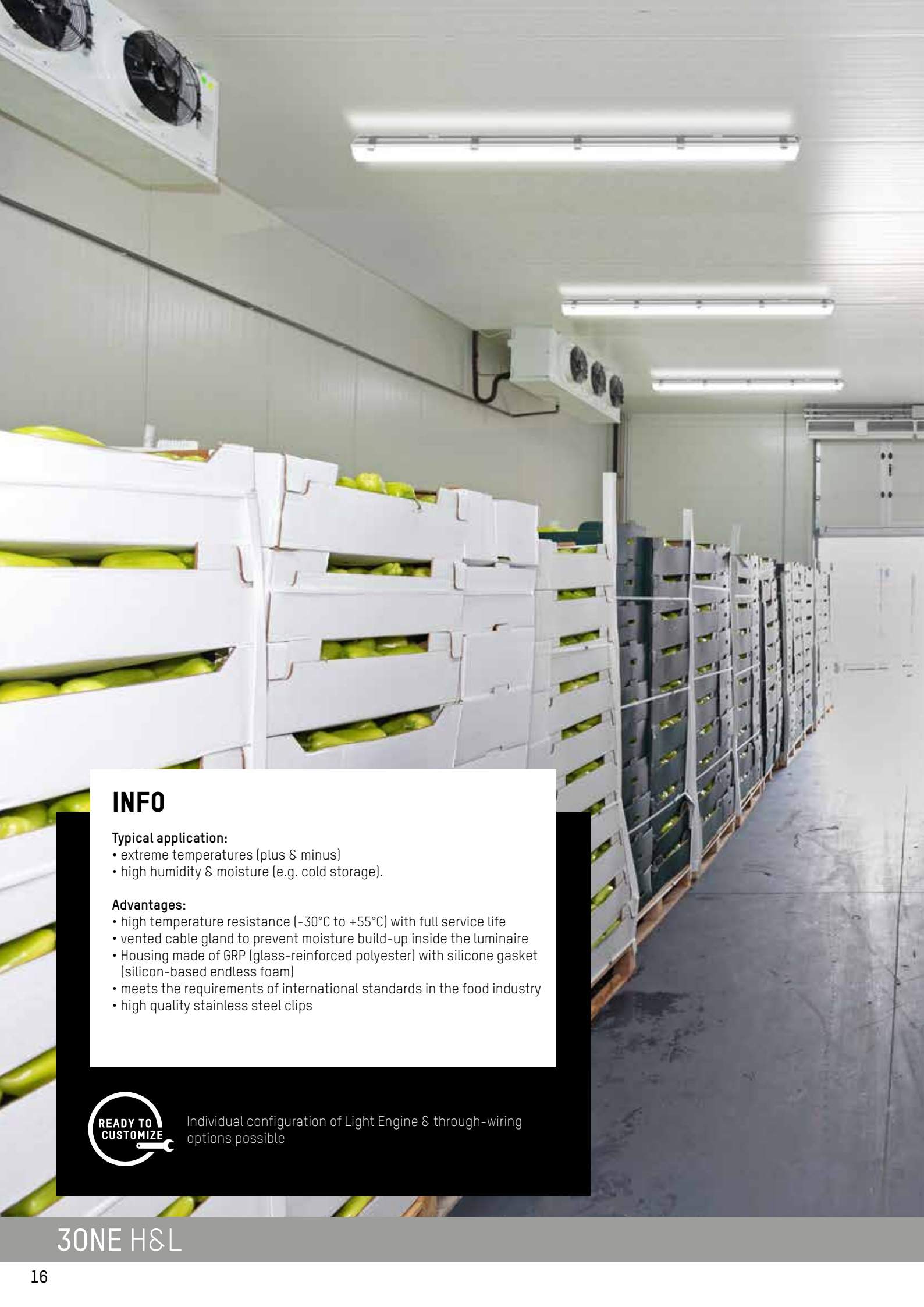
CODE	SYS	DIMENSION	WIRING	LIGHT COLOUR	LUMEN	DIMM
175-0262043231440	31W	1277 x 90 x 95	EXCLUDING	4000K	4300	ON/OFF
175-0265052231440	38W	1577 x 90 x 95	EXCLUDING	4000K	5200	ON/OFF
175-0235065231440	49W	1577 x 116 x 99	EXCLUDING	4000K	6500	ON/OFF

OTHER VERSIONS ON REQUEST



2 pcs. standard clamps included in delivery





INFO

Typical application:

- extreme temperatures (plus & minus)
- high humidity & moisture (e.g. cold storage).

Advantages:

- high temperature resistance (-30°C to +55°C) with full service life
- vented cable gland to prevent moisture build-up inside the luminaire
- Housing made of GRP (glass-reinforced polyester) with silicone gasket (silicon-based endless foam)
- meets the requirements of international standards in the food industry
- high quality stainless steel clips



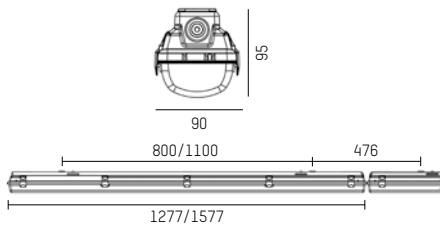
Individual configuration of Light Engine & through-wiring options possible



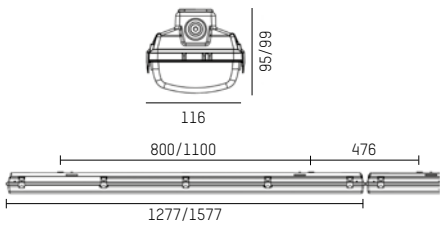
3ONE H&L PC COVER IP66

CODE	SYS	DIMENSION	THROUGH-WIRING	LIGHT COLOUR	LUMEN	DIMM
175-0462046231440	31W	1277 x 90 x 95	EXCLUDING	4000K	4600	ON/OFF
175-0462081231440	59W	1277 x 116 x 95	EXCLUDING	4000K	8100	ON/OFF
175-0465062231440	44W	1577 x 90 x 95	EXCLUDING	4000K	6200	ON/OFF
175-0465099231440	73W	1577 x 116 x 99	EXCLUDING	4000K	10200	ON/OFF

OTHER VERSIONS ON REQUEST



2 pcs. standard clamps
included in delivery



MOLTO LUCE

INFO

Typical application:

- Outdoor areas (e.g. loading ramp)
- High weather resistance

Advantages:

- PMMA diffuser (UV stable & no gelation)
- GRP (glass-reinforced polyester) housing with silicone sealing (silicon-based endless foam)
- vented cable gland to prevent moisture build-up inside the luminaire
- high quality stainless steel clips



Individual configuration of Light Engine, through-wiring options & sensors (Bluetooth mesh) possible

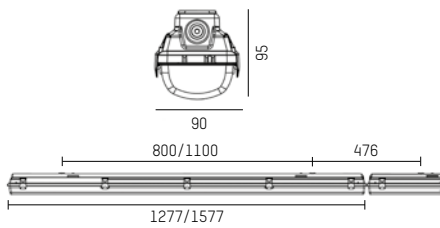
30NE OUTDOOR



3ONE OUTDOOR PMMA COVER IP66

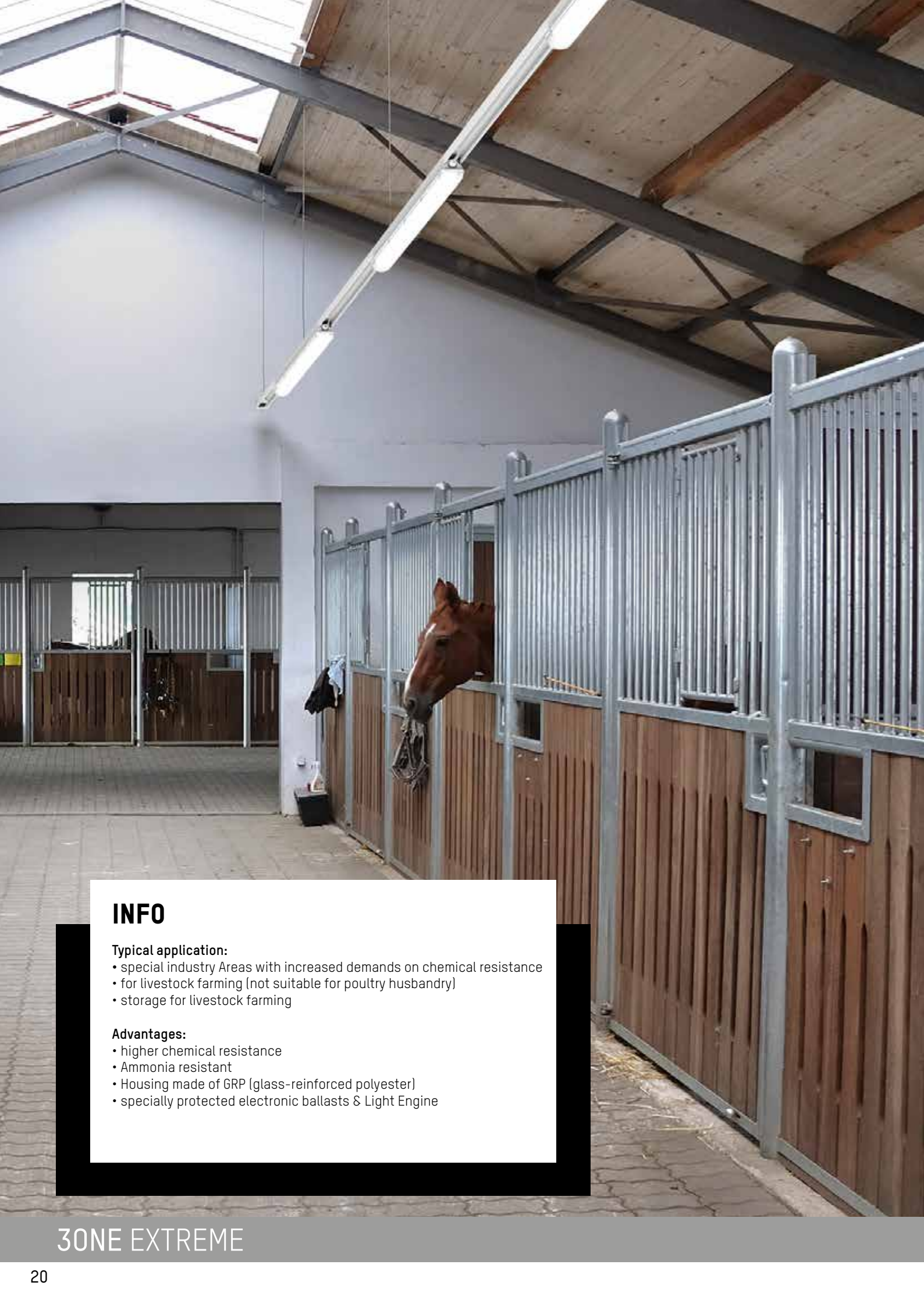
CODE	SYS	DIMENSION	THROUGH-WIRING	LIGHT COLOUR	LUMEN	DIMM
175-0662033131440	22W	1277 x 90 x 95	EXCLUDING	4000K	3300	ON/OFF
175-0662048131440	31W	1277 x 90 x 95	EXCLUDING	4000K	4800	ON/OFF
175-0665042131440	27W	1577 x 90 x 95	EXCLUDING	4000K	4200	ON/OFF
175-0665065131440	41W	1577 x 90 x 95	EXCLUDING	4000K	6500	ON/OFF

OTHER VERSIONS ON REQUEST



2 pcs. reinforced clamps included in delivery





INFO

Typical application:

- special industry Areas with increased demands on chemical resistance
- for livestock farming (not suitable for poultry husbandry)
- storage for livestock farming

Advantages:

- higher chemical resistance
- Ammonia resistant
- Housing made of GRP (glass-reinforced polyester)
- specially protected electronic ballasts & Light Engine

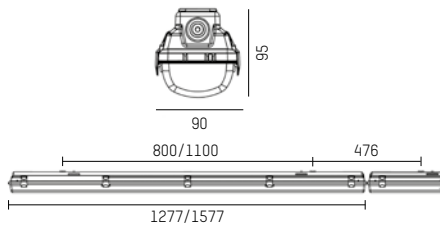


3ONE EXTREME PMMA COVER IP66   

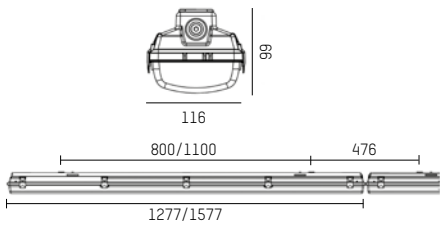
CODE	SYS	DIMENSION	THROUGH-WIRING	LIGHT COLOUR	LUMEN	DIMM
175-0562038131440	23W	1277 x 90 x 95	EXCLUDING	4000K	3800	ON/OFF
175-0562438131440	23W	1277 x 90 x 95	5x 2,5	4000K	3800	ON/OFF
175-0565050131440	33W	1577 x 90 x 95	EXCLUDING	4000K	5000	ON/OFF
175-0565066131440	43W	1577 x 116 x 99	EXCLUDING	4000K	6600	ON/OFF
175-0565450131440	33W	1577 x 90 x 95	5x 2,5	4000K	5000	ON/OFF
175-0565466131440	43W	1577 x 116 x 99	5x 2,5	4000K	6600	ON/OFF



A OTHER VERSIONS ON REQUEST



2 pcs. reinforced clamps
included in delivery



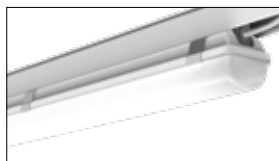
EMPTY RAIL



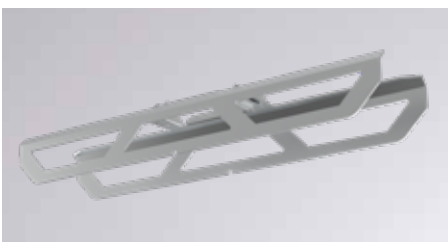
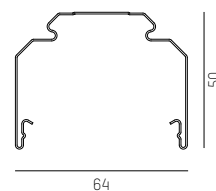
MOUNTING RAIL

Empty module without power supply
Galvanised sheet steel
suitable for luminaire mounting standard clamps

610-0205000000XX0 L: 4510mm



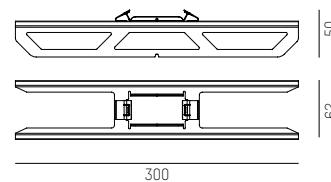
2 pcs. standard clamps
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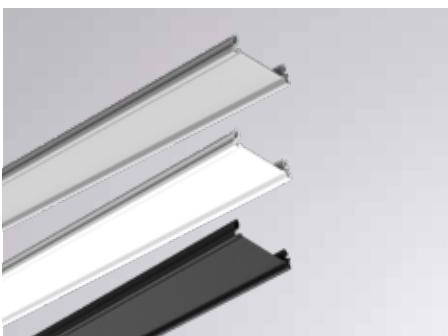
LINEAR CONNECTOR MECHANICAL

internal

610-0023000000000



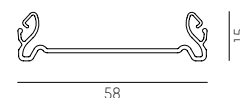
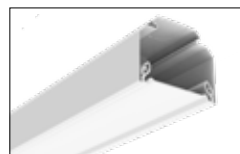
COVERS



BLIND COVER

plastic

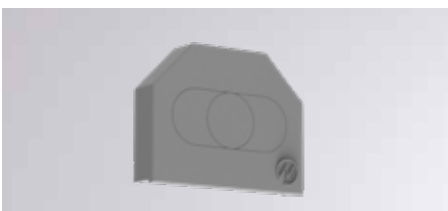
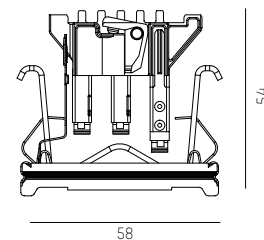
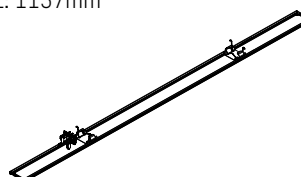
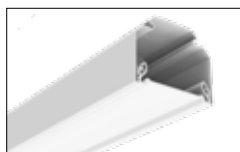
610-0231000000XX0 L: 1137mm
610-0237000000XX0 L: 1696mm
610-0232000000XX0 L: 2255mm
610-0233000000XX0 L: 4510mm



BLIND COVER

metall

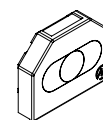
610-0234000000050 w L: 1137mm



END CAP

set with 2 pcs.

610-0001000000XX0



COMPLETE ARTICLE NUMBER

XX = COLOUR

silver = 04

white = 05

black = 06

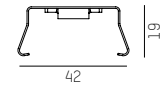
MOUNTING PARTS



CEILING MOUNTING SET

tool-free mounting

610-0003000000000



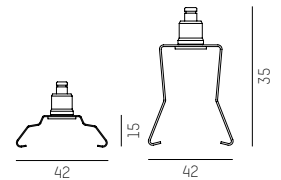
QUICK FASTENING SET FOR SUSPENSION

tool-free mounting

610-0004000000000 low

610-0005000000000 high

for 25mm installation pipe



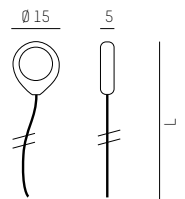
STEEL CABLE WITH EYELET

tool-free mounting, can be shortened as required

610-0025000000000 Ø 1,5mm / L 1500mm

610-0026000000000 Ø 1,5mm / L 3000mm

610-0027000000000 Ø 1,5mm / L 6000mm



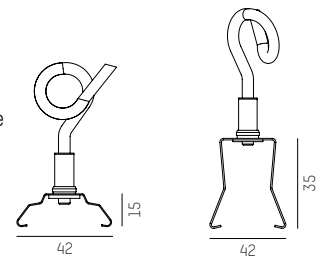
CHAIN FASTENING SET

tool-free mounting

610-0006000000000 low

610-0019000000000 high

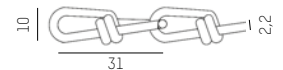
for 25mm installation pipe



CHAIN

Load capacity: max. 30kg

835-9926194 Ø2,2mm / per meter



CABLE HOLDER

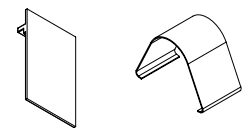
no tools needed

610-0014000000000

INSIDE

610-0016000000000

OUTSIDE



CABLE HOLDER INSIDE

metall

610-0029000000000



VENT CABLE GLAND

175-043



SEALING GROMMET

175-017

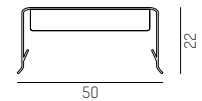
ACCESSORIES



REINFORCED BRACKET

reinforced, for inclined installation (one set contains 2 brackets)

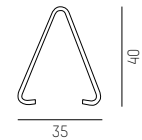
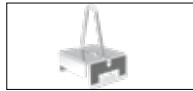
175-012



HOOKS FOR PENDANT MOUNTING

for suspending (one set contains 2 hooks)

175-013



MOUNTING KIT

for wall/ceiling mounting (vertical/horizontal mounting) Accessory bag contains: Closures, 2 U-spacers, 2 spacers, 2 IP66 grommets

175-014

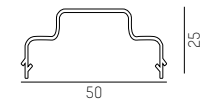
SPARE PARTS



BRACKET FOR CEILING MOUNTING

(one set contains 2 brackets)

175-011



COVERS

175-01020901	1x1200 mm / 90 mm wide	PMMA opal
175-01050901	1x1500 mm / 90 mm wide	PMMA opal
175-01050121	1x1500 mm / 116 mm wide	PMMA opal



COVERS

175-01020902	1x1200 mm / 90 mm wide	PC opal
175-01050902	1x1500 mm / 90 mm wide	PC opal
175-01020122	1x1200 mm / 116 mm wide	PC opal
175-01050122	1x1500 mm / 116 mm wide	PC opal



THROUGH WIRING

175-01622	1x1200 mm	3-pole 3x2,5mm
175-01652	1x1500 mm	3-pole 3x2,5mm
175-01624	1x1200 mm	5-pole 5x2,5mm
175-01654	1x1500 mm	5-pole 5x2,5mm

ACCESSORIES BAG

Ceiling bracket, stainless steel clips, rubber grommet IP66

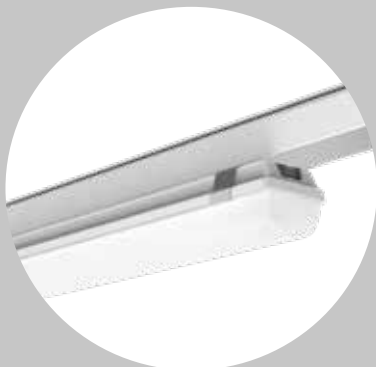
175-0152

175-0155



Sensor technology as desired

With Bluetooth Mesh HF (high-frequency) sensors, 3ONE offers a high degree of individuality in lighting control and networking. Constant light control as well as high-precision movement motion monitoring can thus be implemented without any problems.



Individual wiring solutions

Various standard components can be adapted to special application purposes as desired. The simple configuration of the light engine and through-wiring as well as various ECGs allow a wide range of options.



Different light colours for different needs

Our damp-proof luminaires can, of course, be adapted to special requirements (e.g. light colours, lumen packages,...). The production of all luminaires „Made in Europe“ guarantees us the highest flexibility in individual configuration.

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