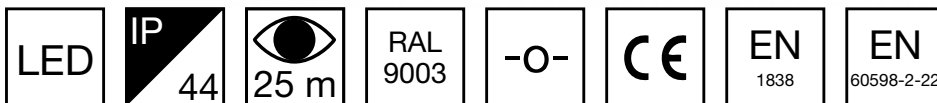


ESC 90 EMERGENCY EXIT LIGHTS



The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

SELF-CONTAINED ESCAP EMERGENCY EXIT LIGHTS WITH SUPER CAPACITOR AND SELF-TESTING


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Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info	Backup (h)
TWS9092WMR	220-240 V, 50/60 Hz AC		2-sided, 25 m	1
TWS9092WM	220-240 V, 50/60 Hz AC		2-sided, 25 m	1
Y9092WM120	220-240 V, 50/60 Hz AC		2-sided, 25 m	1


SELF-CONTAINED ESCAP EMERGENCY EXIT LIGHTS WITH SUPER CAPACITOR AND WIRELESS CENTRAL MONITORING

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info	Backup (h)
TWS9092WAR	220-240 V, 50/60 Hz AC		2-sided, 25 m	1
TWS9092WA	220-240 V, 50/60 Hz AC		2-sided, 25 m	1
Y9092WA120	220-240 V, 50/60 Hz AC		2-sided, 25 m	1


SELF-CONTAINED EMERGENCY EXIT LIGHTS WITH BATTERY AND SELF-TESTING

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info	Backup (h)
TWT9053WM	220-240 V, 50/60 Hz AC		2-sided, 25 m	3
Y9053WM120	220-240 V, 50/60 Hz AC		2-sided, 25 m	3

SELF-CONTAINED EMERGENCY EXIT LIGHTS WITH BATTERY AND WIRELESS CENTRAL MONITORING

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info	Backup (h)
TWT9053WA	220-240 V, 50/60 Hz AC		2-sided, 25 m	3
Y9053WA120	220-240 V, 50/60 Hz AC		2-sided, 25 m	3

ADDRESSABLE 230 V CENTRALLY SUPPLIED EMERGENCY EXIT LIGHTS

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info
TWT9051WKR	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m
TWT9051WKB	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m
TWT9051WK	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m
Y9051WK120	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m

NON-ADDRESSABLE 230 V CENTRALLY SUPPLIED EMERGENCY

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EXIT LIGHTS

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info
TWT9051W	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m
Y9051W120	220-240 V, 50/60 Hz AC, DC		2-sided, 25 m
TWT9071W	24-230 V, 50/60 Hz AC, DC		2-sided, 25 m
Y9071W120	24-230 V, 50/60 Hz AC, DC		2-sided, 25 m

ADDRESSABLE 24 V CENTRALLY SUPPLIED EMERGENCY EXIT LIGHTS

Product Code	Nominal Supply Voltage	Feature
TWT9041WK	24 V, 50/60 Hz AC, DC	Tapsa Control
TWT9041WKR	24 V, 50/60 Hz AC, DC	Tapsa Control

NON-ADDRESSABLE 24 V CENTRALLY SUPPLIED EMERGENCY EXIT LIGHTS

Product Code	Nominal Supply Voltage	Pictogram	Pictogram Info
TWT9041W	24 V, 50/60 Hz AC, DC		2-sided, 25 m
Y9041W120	24 V, 50/60 Hz AC, DC		2-sided, 25 m

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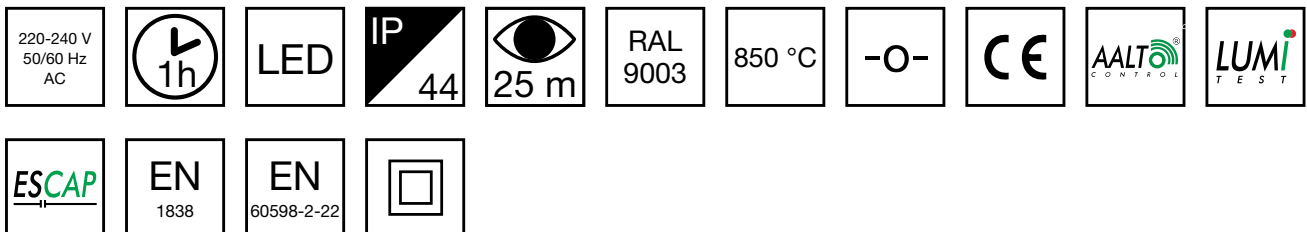
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ESC 90 DIMMED EMERGENCY EXIT LIGHT TWS9092WAR



Dimmed self-contained emergency exit light with 1 h super capacitor and wireless central monitoring

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. The ESC 90 TWS9092WAR is dimmed in normal mode to prevent disturbing light from the exit sign in dark environments, such as theatres. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

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Product Code	TWS9092WAR
Feature	Aalto Control, Escap, Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045027098
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,6 kg
Backup	1 h
Max Input Power VA	2,8 VA
Max Input Power W	2,2 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-25...+35 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	53 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED: PICTOGRAMS FOR EMERGENCY EXIT LIGHTS

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights
PB9010		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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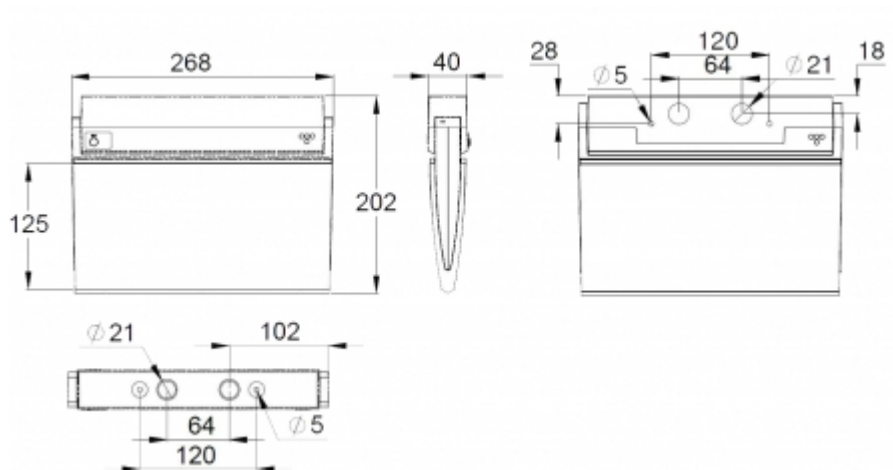
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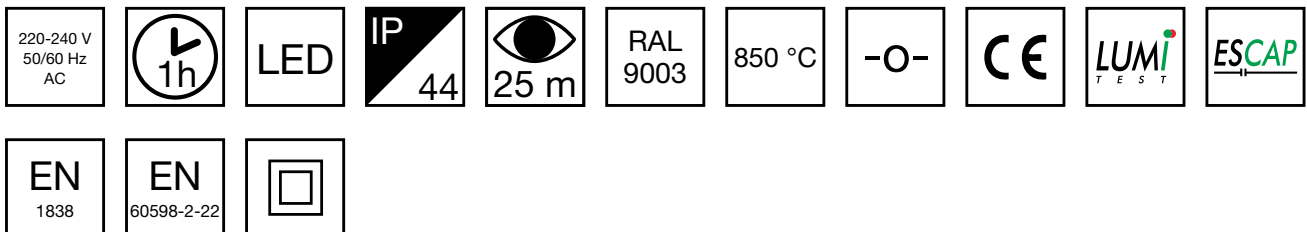


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ESC 90 DIMMED EMERGENCY EXIT LIGHT TWS9092WMR



Dimmed self-contained emergency exit light with 1 h super capacitor and self-testing

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. The ESC 90 TWS9092WMR is dimmed in normal mode to prevent disturbing light from the exit sign in dark environments, such as theatres. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

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Product Code	TWS9092WMR
Feature	Escap, Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045027104
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,6 kg
Backup	1 h
Max Input Power VA	2,5 VA
Max Input Power W	2 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-25...+35 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED: PICTOGRAMS FOR EMERGENCY EXIT LIGHTS

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights
PB9010		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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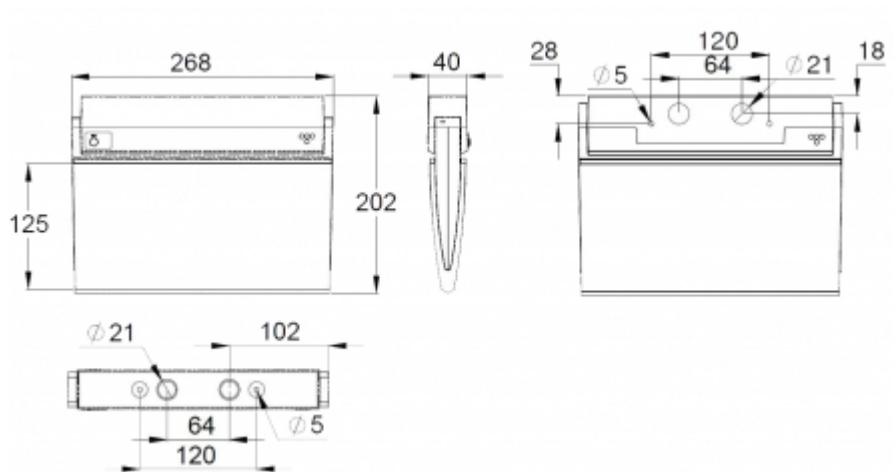
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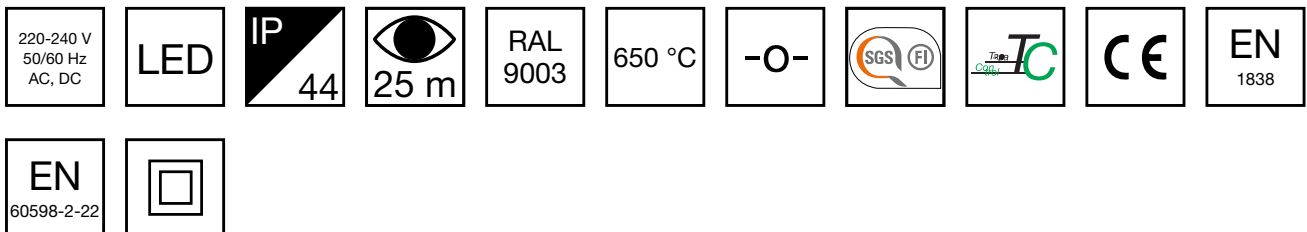
wmr



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ESC 90 DIMMED EMERGENCY EXIT LIGHT TWT9051WKR



Addressable 230 V centrally supplied dimmed emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. The ESC 90 TWT9051WKR is dimmed in normal mode to prevent disturbing light from the exit sign in dark environments, such as theatres. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

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Product Code	TWT9051WKR
Feature	Tapsa Control
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045024912
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0.44 kg
Max Input Power VA	6,6 VA
Max Input Power W	4,2 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC, DC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Certifications	SGS Fimko
Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED: PICTOGRAMS FOR EMERGENCY EXIT LIGHTS

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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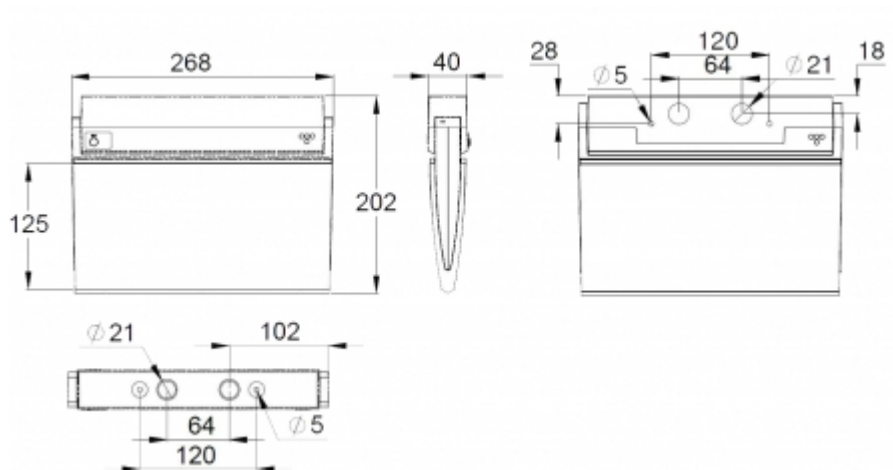
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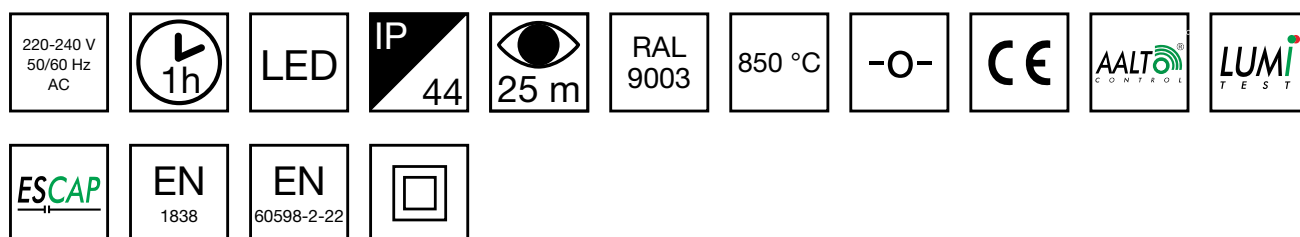
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ESC 90 EMERGENCY EXIT LIGHT TWS9092WA



Self-contained emergency exit light with 1 h super capacitor and wireless central monitoring

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high-quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy, and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9092WA120		PB401	2-sided, 25 m

Product Code	TWS9092WA
Feature	Aalto Control, Escap, Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045011479
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,6 kg
Backup	1 h
Max Input Power VA	4 VA
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-25...+35 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED

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Body Material	plastic
Aperture for Recess Mounting	53 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights
PB9010		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights

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Product Code	Product Name	Compatible Product Groups
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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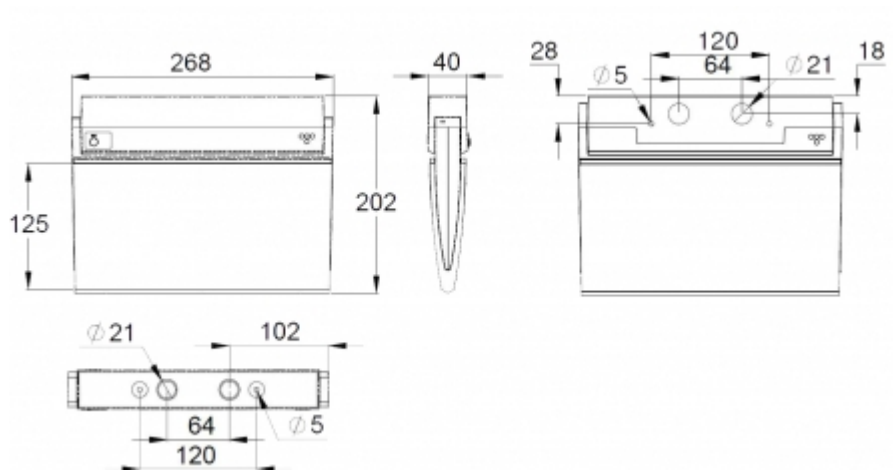
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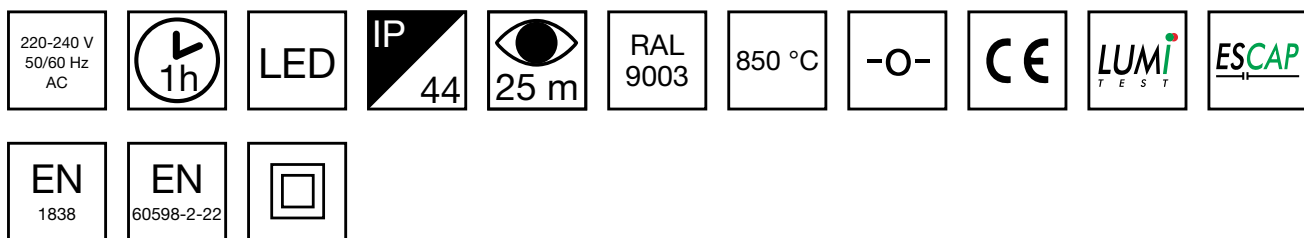


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ESC 90 EMERGENCY EXIT LIGHT TWS9092WM



Self-contained emergency exit light with 1 h super capacitor and self-testing

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9092WM120		PB401	2-sided, 25 m

Product Code	TWS9092WM
Feature	Escap, Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045011486
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,6 kg
Backup	1 h
Max Input Power VA	4 VA
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-25...+35 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED

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Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights

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Product Code	Product Name	Compatible Product Groups
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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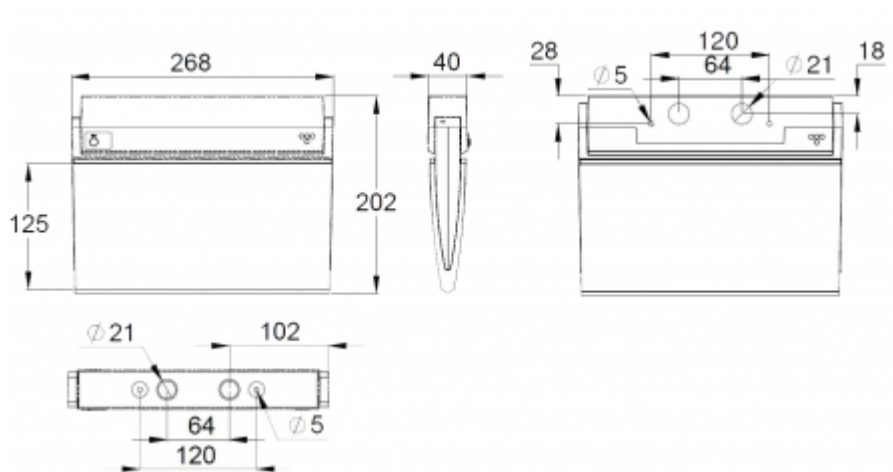
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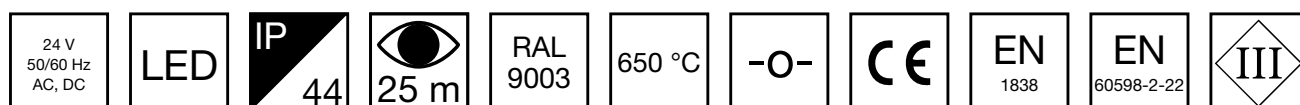


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ESC 90 EMERGENCY EXIT LIGHT TWT9041W



24 V centrally supplied emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9041W120		PB401	2-sided, 25 m

Product Code	TWT9041W
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045010656
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,44 kg
Max Input Power VA	2 VA
Max Input Power W	2,5 W
Nominal Supply Voltage	24 V, 50/60 Hz AC, DC
Protection Class	III
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic

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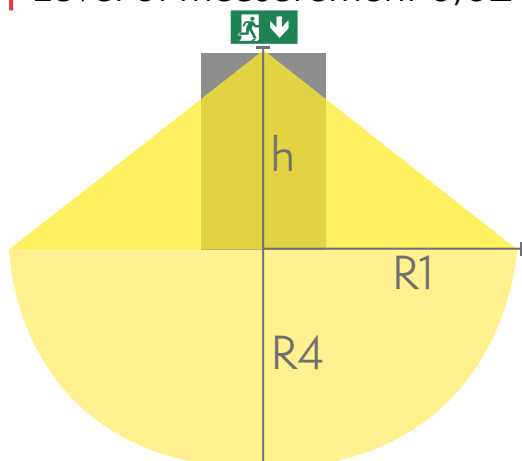
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Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

Downlight chart for Exit Lights

Tables of 1 lux and 0,5 lux, under the Exit Light.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R4 distance from wall (Y axis)

TWT9041W

Mounting height (m)	Below the light lux	R1 (m)	R4 (m)	R1 (m)	R4 (m)
		1 lux	1 lux	0,5 lux	0,5 lux
2	1.5	0.5	0.5	1	1
2,5	1.1	0.5	0.5	1	1

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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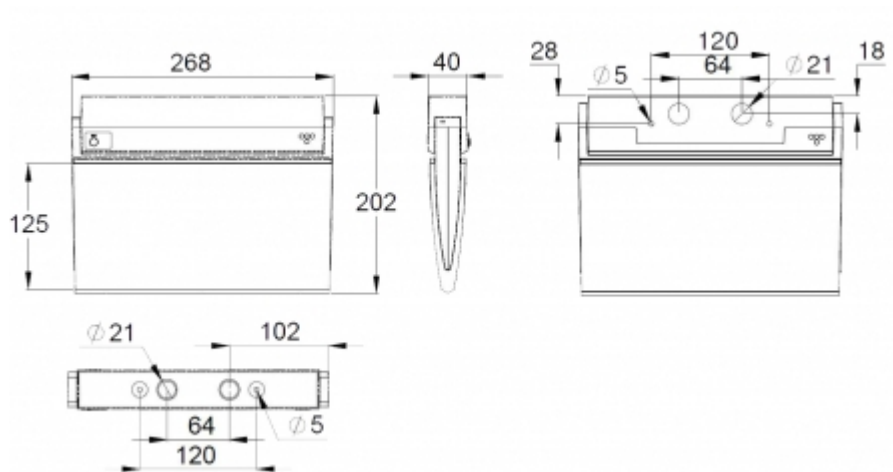
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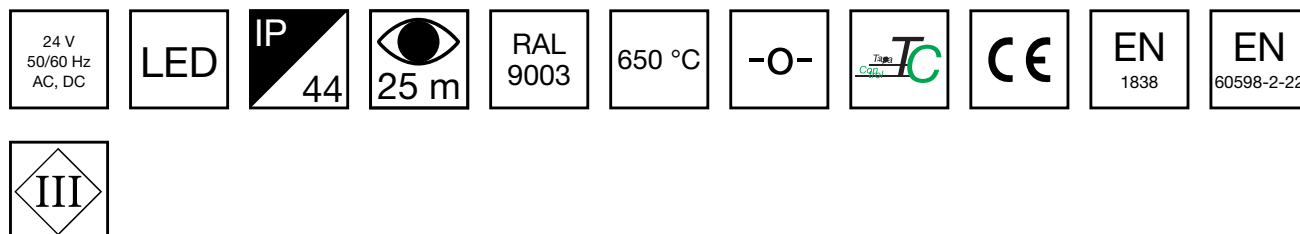


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ESC 90 EMERGENCY EXIT LIGHT TWT9041WK



Addressable 24 V centrally supplied emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

Product Code	TWT9041WK
Feature	Tapsa Control
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045011721
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,44 kg
Max Input Power VA	2,3 VA
Max Input Power W	2,3 W
Nominal Supply Voltage	24 V, 50/60 Hz AC, DC
Protection Class	III
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT



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LIGHTS

Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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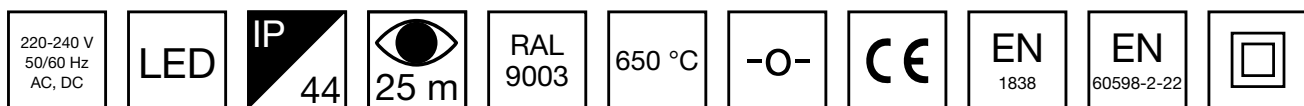
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ESC 90 EMERGENCY EXIT LIGHT TWT9051W




230 V centrally supplied emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9051W120		PB401	2-sided, 25 m

Product Code	TWT9051W
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045010663
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,44 kg
Max Input Power VA	3,9 VA
Max Input Power W	2,9 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC, DC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic

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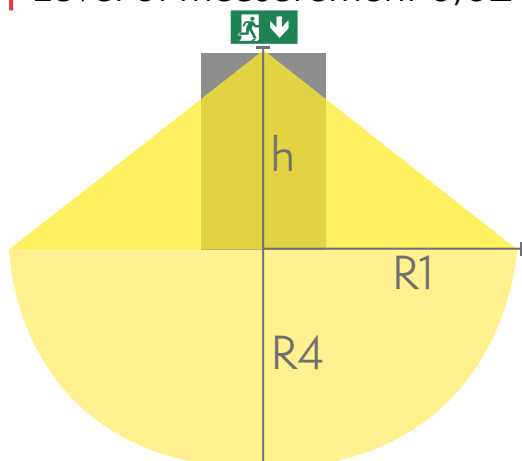
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Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

Downlight chart for Exit Lights

Tables of 1 lux and 0,5 lux, under the Exit Light.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R4 distance from wall (Y axis)

TWT9051W

Mounting height (m)	Below the light lux	R1 (m)	R4 (m)	R1 (m)	R4 (m)
		1 lux	1 lux	0,5 lux	0,5 lux
2	1.5	0.5	0.5	1	1
2,5	1.1	0.5	0.5	1	1

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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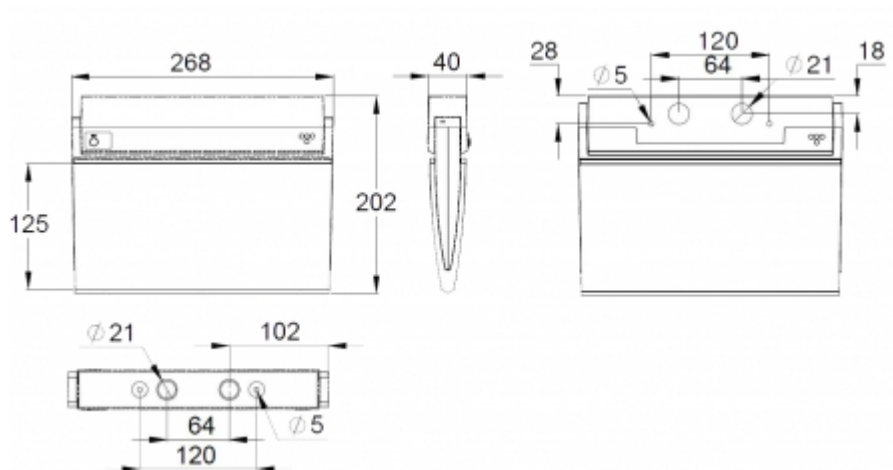
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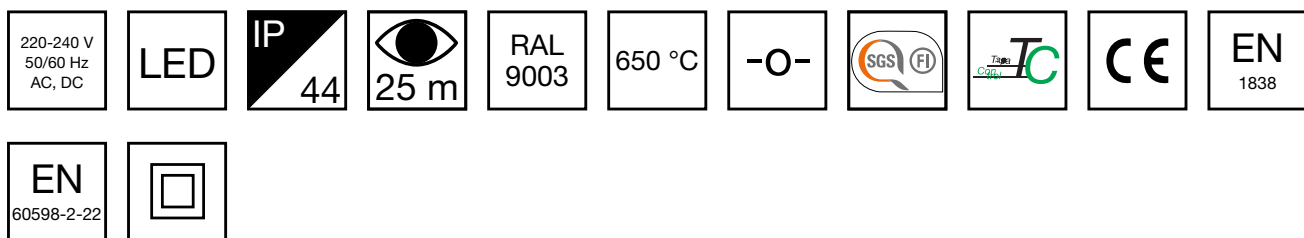
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ESC 90 EMERGENCY EXIT LIGHT TWT9051WK



Addressable 230 V centrally supplied emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9051WK120		PB401	2-sided, 25 m

Product Code	TWT9051WK
Feature	Tapsa Control
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045010670
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,44 kg
Max Input Power VA	6,6 VA
Max Input Power W	4,2 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC, DC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Certifications	SGS Fimko

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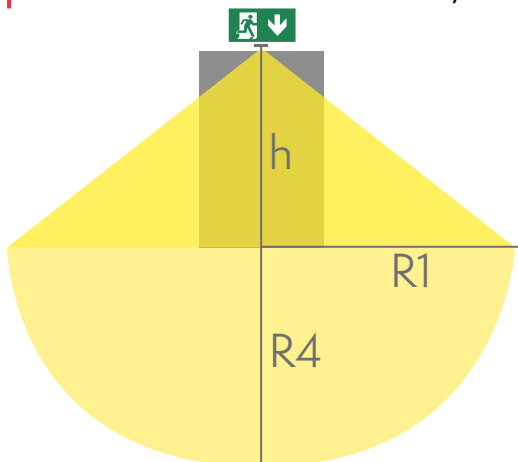
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Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

Downlight chart for Exit Lights

Tables of 1 lux and 0,5 lux, under the Exit Light.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R4 distance from wall (Y axis)
TWT9051WK

Mounting height (m)	Below the light lux	R1 (m)	R4 (m)	R1 (m)	R4 (m)
		1 lux	1 lux	0,5 lux	0,5 lux
2	1.5	0.5	0.5	1	1
2,5	1.1	0.5	0.5	1	1

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS






Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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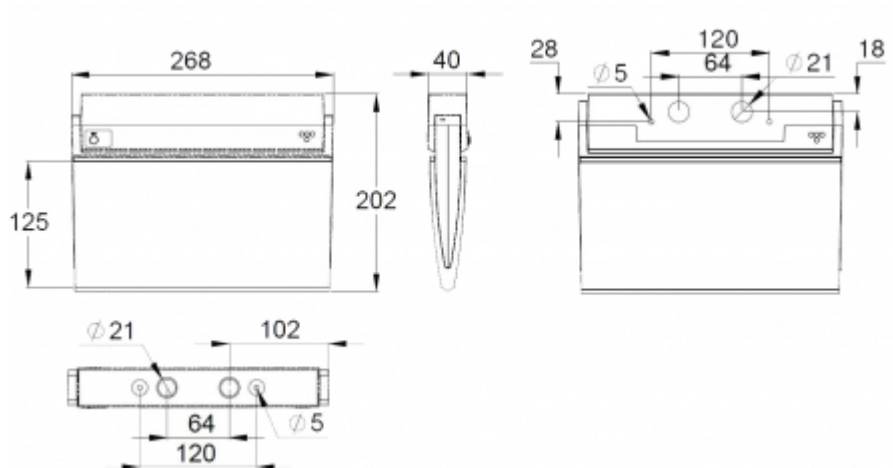
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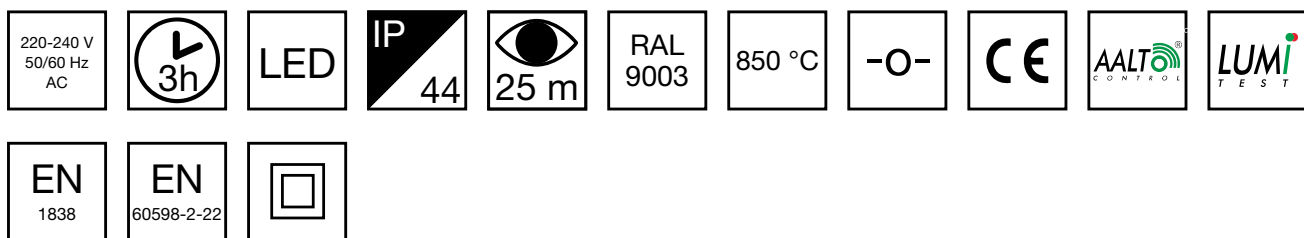
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ESC 90 EMERGENCY EXIT LIGHT TWT9053WA



Self-contained emergency exit light with 3 h battery and wireless central monitoring

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9053WA120		PB401	2-sided, 25 m

Product Code	TWT9053WA
Feature	Aalto Control, Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045010694
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,53 kg
Backup	3 h
Max Input Power VA	5,3 VA
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-5...+30 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED

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Body Material	plastic
Aperture for Recess Mounting	53 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights

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Product Code	Product Name	Compatible Product Groups
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

SPARE PARTS:

SPARE PARTS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
W120011	Battery package W120011	TKT66C Central Battery Systems, TKT67C Central Battery Systems, ESC 90 Emergency Exit Lights, ESC 81 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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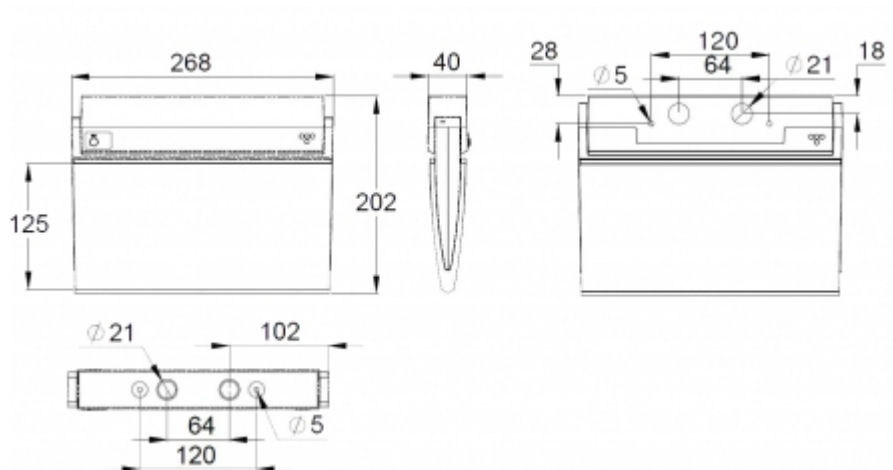
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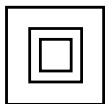
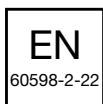
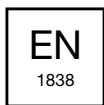
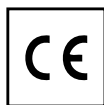
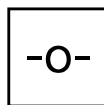
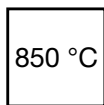
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ESC 90 EMERGENCY EXIT LIGHT TWT9053WM



Self-contained emergency exit light with 3 h battery and self-testing

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9053WM120		PB401	2-sided, 25 m

Product Code	TWT9053WM
Feature	Lumi Test
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045010700
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,53 kg
Backup	3 h
Max Input Power VA	5,3 VA
Nominal Supply Voltage	220-240 V, 50/60 Hz AC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-5...+30 °C
Glow Wire Test of Plastic Materials	850 °C
Viewing Distance	25 m
Light Source	LED

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Body Material	plastic
Aperture for Recess Mounting	53 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001B	Recess mounting frame TWT9001B	ESC 90 Emergency Exit Lights

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Product Code	Product Name	Compatible Product Groups
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

SPARE PARTS:

SPARE PARTS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
W120011	Battery package W120011	TKT66C Central Battery Systems, TKT67C Central Battery Systems, ESC 90 Emergency Exit Lights, ESC 81 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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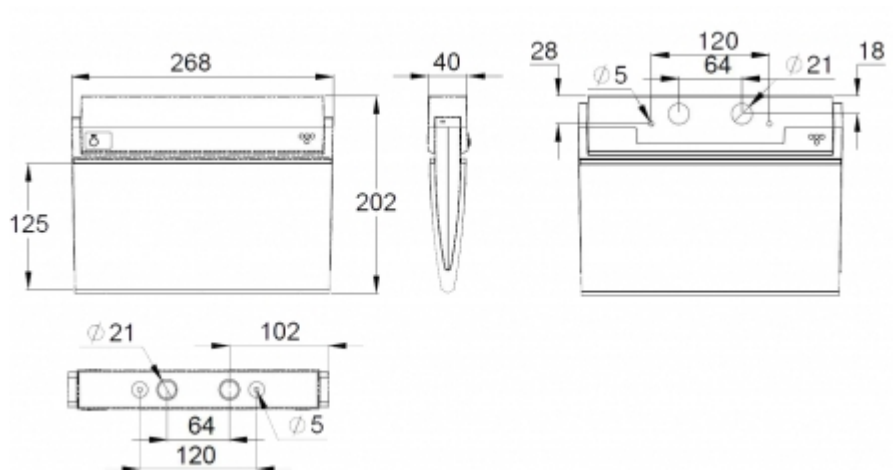
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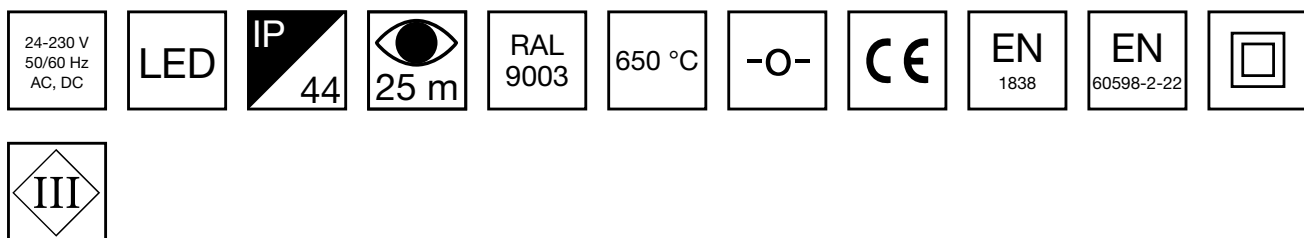


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ESC 90 EMERGENCY EXIT LIGHT TWT9071W



24-230 V centrally supplied emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.


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INDIVIDUALLY PACKED LIGHTS

The product codes starting with letter Y include an individually packed luminaire, and the pictogram/s mentioned in the table. The product codes starting with TW include the luminaire only.

Product Code	Pictogram	Pictogram code	Pictogram Info
Y9071W120		PB401	2-sided, 25 m

Product Code	TWT9071W
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045020563
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0,44 kg
Max Input Power VA	2 VA (24 V), 5,5 VA (230 V)
Max Input Power W	1,5 W (24 V), 2 W (230 V)
Nominal Supply Voltage	24-230 V, 50/60 Hz AC, DC
Protection Class	III(24V),II(230V)
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Light Source	LED
Body Material	plastic

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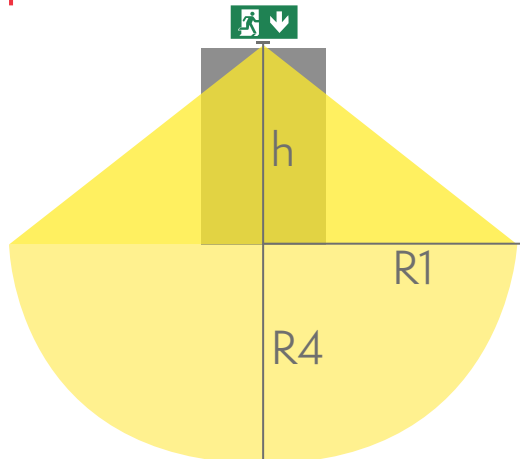
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Colour	RAL9003
Electrical Installation	2 x 2,5 mm ² (24 V), 3 x 2,5 mm ² (230 V)

Downlight chart for Exit Lights

Tables of 1 lux and 0,5 lux, under the Exit Light.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R4 distance from wall (Y axis)

TWT9071W

Mounting height (m)	Below the light lux	R1 (m)	R4 (m)	R1 (m)	R4 (m)
		1 lux	1 lux	0,5 lux	0,5 lux
2	1.5	0.5	0.5	1	1
2,5	1.1	0.5	0.5	1	1

ONE OR MORE OF THESE IS ALSO REQUIRED:

PICTOGRAMS FOR EMERGENCY EXIT LIGHTS



Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

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OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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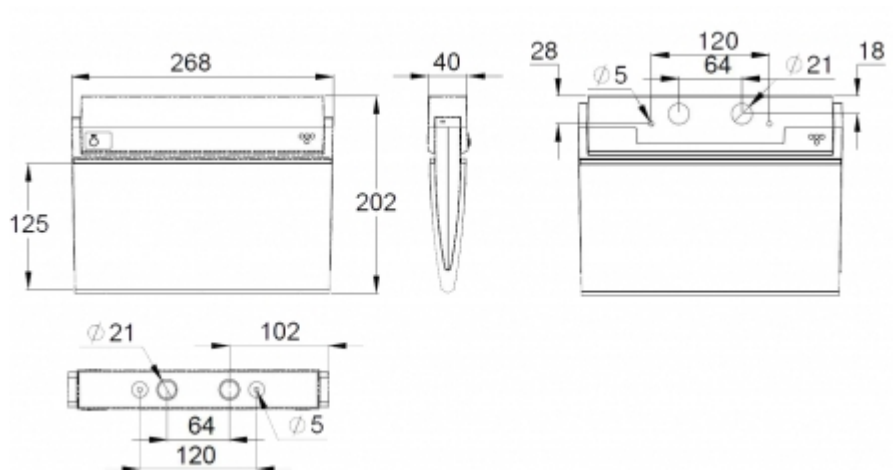
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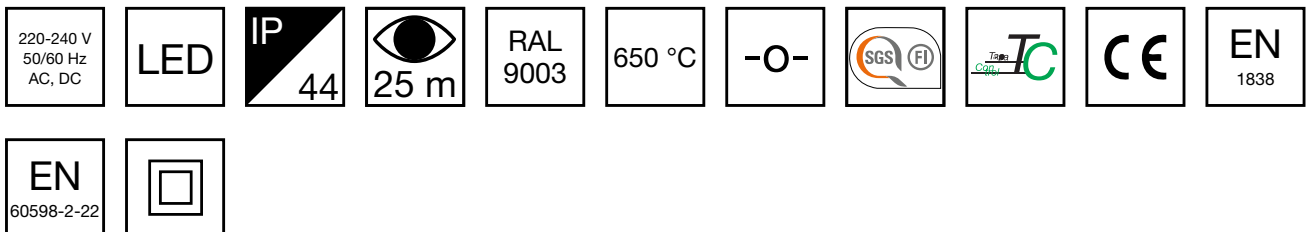
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ESC 90 FLASHING EMERGENCY EXIT LIGHT TWT9051WKB



Addressable 230 V centrally supplied flashing emergency exit light

The ESC 90 is an emergency exit light that combines cutting-edge technology with modern lighting design. Thanks to high quality electronics, optics and mechanical design, the luminaire has uniformly illuminated pictograms and low power consumption. ESC 90 TWT9051WKB can be set to flashing in case enhanced visibility of the exit sign is required. The flashing feature can be launched from TKT66- & TKT67-range central battery units equipped with Intelligent Controller interface. Light will be permanently on always in case of an emergency.

Changing the pictograms is easy and the plastic sheet slides easily into place. The ESC 90 exit light is easy to install on the ceiling or on a wall. It can be used 1 or 2 sided, with either recess or surface mounting. The ESC 90 is particularly easy and fast to install thanks to the separate mounting piece, which the power supply is also connected to.

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Product Code	TWT9051WKB
Feature	Tapsa Control
Mounting (standard)	ceiling, wall
Mounting (optional)	recess, flag, pendel
Customs Code	94056080
GTIN Code	6438045024929
ETIM Product Class	EC001957
Length	268 mm
Width	40 mm
Height	202 mm
Weight	0.44 kg
Max Input Power VA	6,6 VA
Max Input Power W	4,2 W
Nominal Supply Voltage	220-240 V, 50/60 Hz AC, DC
Protection Class	II
IP Class	IP44
Temperature Range Min - Max	-30...+50 °C
Glow Wire Test of Plastic Materials	650 °C
Viewing Distance	25 m
Certifications	SGS Fimko
Light Source	LED
Body Material	plastic
Aperture for Recess Mounting	45 x 275 mm
Colour	RAL9003
Electrical Installation	2/3 x 2,5 mm ²

ONE OR MORE OF THESE IS ALSO REQUIRED: PICTOGRAMS FOR EMERGENCY EXIT LIGHTS

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Product Code	Pictogram	Viewing Distance (m)	Compatible Product Groups
PB401		25	ESC 90 Emergency Exit Lights
PB9004		25	ESC 90 Emergency Exit Lights
PB9005		25	ESC 90 Emergency Exit Lights
PB9006		25	ESC 90 Emergency Exit Lights

OPTIONAL ACCESSORIES:

SHOCK PROTECTING COVERS FOR EMERGENCY LIGHTS



Product Code	Product Name	Compatible Product Groups
TW77508B	Shock protecting cover TW77508B	ESC 0,5 Emergency Exit Lights, ESC 4 Emergency Exit Lights, ESC 90 Emergency Exit Lights, Safe 82 Emergency Lights

OPTIONAL MOUNTING ACCESSORIES FOR EMERGENCY EXIT LIGHTS



Product Code	Product Name	Compatible Product Groups
TWT9000	Suspension bracket TWT9000	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights, ESC 81 Emergency Exit Lights
TWT9001	Recess mounting frame TWT9001	ESC 90 Emergency Exit Lights
TWT9002	Flag bracket TWT9002	ESC 90 Emergency Exit Lights, ESC 80 Emergency Exit Lights

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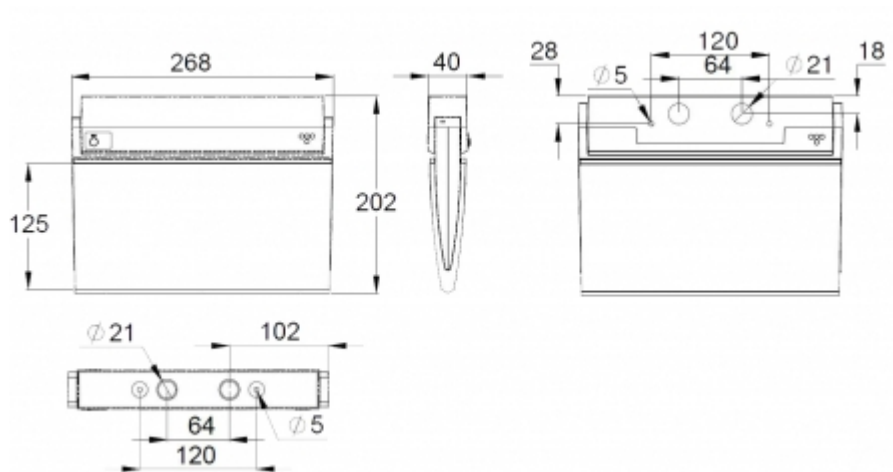
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