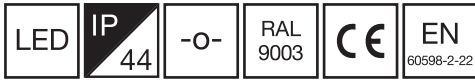


ZONESPOT II LOWBAY

LED EMERGENCY LIGHT FOR SURFACE MOUNTING IN LOW OPEN AREAS



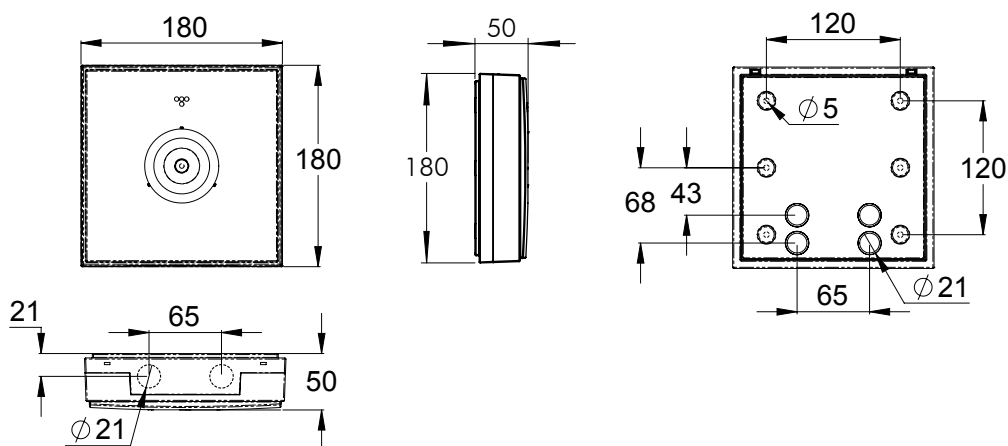
Installation video



Zonespot II Lowbay is an emergency light for 2-4 meter high open spaces. It is particularly suitable for low and open spaces. Zonespot II is easy and fast to install, surface mounted, thanks to a separate mounting base, into which the power supply is also connected.

Zonespot II Lowbay takes advantage of the latest LED technology. Its optics are designed to provide a broad, uniform lighting pattern, which illuminates the open areas effectively. Thanks to the IP44 enclosure class, Zonespot II is also suitable for damp locations.

DIMENSIONS



- ⊕ = Protection class of luminaire is 1
- ⊕ = Protection class of luminaire is 2
- ⊕ = Protection class of luminaire is 3
- ⊕ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- Col = Colour of the body
- View = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

CENTRALLY SUPPLIED LUMINAIRES

24-230V CENTRALLY SUPPLIED EMERGENCY LIGHTS

Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9271W	24-230 V, 50/60 Hz AC,DC	24 V= 8 VA / 5 W 230 V= 10 VA / 5 W	185	CBS	-30...+50°C	24 V= 2 x 2,5 mm ² 230 V= 3 x 2,5 mm ² -o-	0,5
Y9271W	(individually packed incl. TWT9271W)						0,6

ADDRESSABLE 230 V CENTRALLY SUPPLIED EMERGENCY LIGHTS

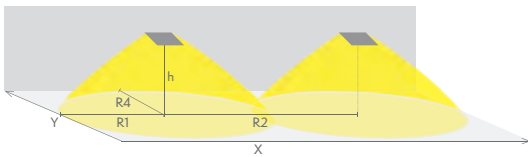


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9251WK	220-240 V, 50/60 Hz AC,DC	10 VA / 5,5 W	185	CBS / C+ IC	-30...+50°C	2/3 x 2,5 mm ² -o-	0,5
Y9251WK	(individually packed incl. TWT9251WK)						0,6

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

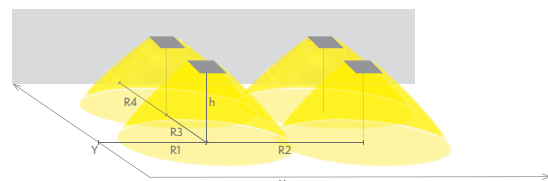
TWT9271W, TWT9251WK

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	4,3	5	11	5
4	1,7	4	14	4

NOTE! For escape route lighting we recommend Linespot II Lowbay (TWT99) luminaires, look at p. 154.

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838.
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9271W, TWT9251WK

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	4,3	5,5	10	10	5,5
4	1,7	6	11	11	6

ZONESPOT II LOWBAY



SELF-CONTAINED LUMINAIRES WITH SUPER CAPACITOR

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



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWS9292WA	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	65	1 h Escap + Aalto	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9292WA	(individually packed incl. TWS9292WA)						
TWS9292WAC *)	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	81	1 h Escap + Aalto	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9292WAC	(individually packed incl. TWS9292WAC)						

*) Higher luminous flux

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



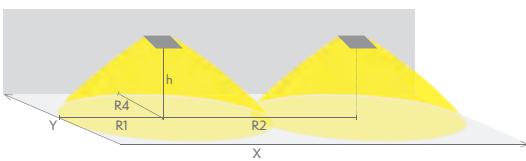
Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWS9292WM	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	65	1 h Escap + M	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9292WM	(individually packed incl. TWS9292WM)						
TWS9292WMC *)	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	81	1 h Escap + M	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9292WMC	(individually packed incl. TWS9292WMC)						

*) Higher luminous flux

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

TWS9292WM, TWS9292WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	1,5	3	7	3
3	1	4	8	4

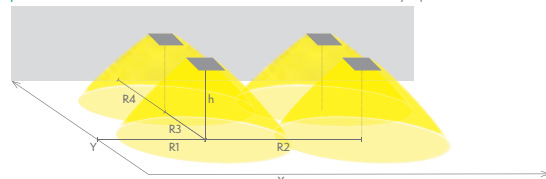
TWS9292WMC, TWS9292WAC

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	1,7	3	8	3
3	1,2	4	8	4

NOTE! For escape route lighting we recommend Linespot II Lowbay (TWT99) luminaires, look at p. 154.

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838.
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWS9292WM, TWS9292WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	1,5	3	5	5	3
3	1	4	6,5	6,5	4

TWS9292WMC, TWS9292WAC

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	1,7	4	7,5	7,5	4
3	1,2	4	8	8	4
4	0,7	3	8,5	8,5	3

- ⊕ = Protection class of luminaire is 1
- ⊕ = Protection class of luminaire is 2
- ⊕ = Protection class of luminaire is 3
- ⊕ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- White = Colour of the body
- 3000 = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

SELF-CONTAINED LUMINAIRES WITH BATTERY

SELF-CONTAINED EMERGENCY LIGHTS WITH 1 H BATTERY AND WIRELESS CENTRAL MONITORING



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9252WA	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	185	1 h battery + Aalto	0... +35°C	2/3 x 2,5 mm ² -o-	0,7
Y9252WA	(individually packed incl. TWT9252WA)						0,8

SELF-CONTAINED EMERGENCY LIGHTS WITH 3 H BATTERY AND WIRELESS CENTRAL MONITORING

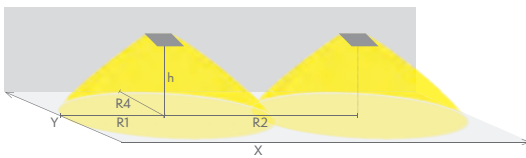


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9253WA	220-240 V, 50/60 Hz AC	6 VA during boost charge 5,5 VA during trickle charge	185	3 h battery + Aalto	0... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9253WA	(individually packed incl. TWT9253WA)						1,0

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838.1
Level of measurement 0,02 m, measurement result with battery operation.



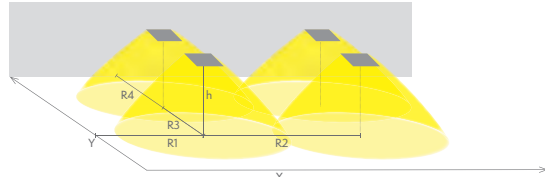
R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

TWT9252WA, TWT9253WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	4,3	5	11	5
4	1,7	4	14	4

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838.
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9252WA, TWT9253WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	4,3	5,5	10	10	5,5
4	1,7	6	11	11	6

NOTE! For escape route lighting we recommend Linespot II Lowbay (TWT99) luminaires, look at p. 154.

ZONESPOT II LOWBAY



SELF-CONTAINED LUMINAIRES WITH BATTERY

SELF-CONTAINED EMERGENCY LIGHTS WITH 1 H BATTERY AND SELF-TESTING



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9252WM	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	185	1 h battery + M	0... +35°C	2/3 x 2,5 mm ² -o-	0,7
Y9252WM	(individually packed incl. TWT9252WM)						

SELF-CONTAINED EMERGENCY LIGHTS WITH 3 H BATTERY AND SELF-TESTING

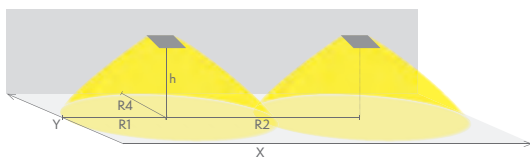


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9253WM	220-240 V, 50/60 Hz AC	6 VA during boost charge 5,5 VA during trickle charge	185	3 h battery + M	0... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9253WM	(individually packed incl. TWT9253WM)						

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838:
Level of measurement 0,02 m, measurement result with battery operation.



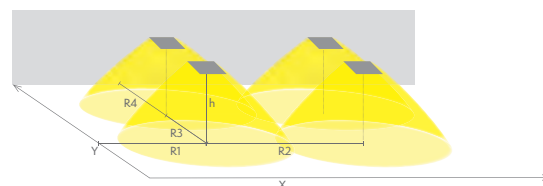
R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

TWT9252WM, TWT9253WM

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	4,3	5	11	5
4	1,7	4	14	4

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838,
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9252WM, TWT9253WM

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	4,3	5,5	10	10	5,5
4	1,7	6	11	11	6

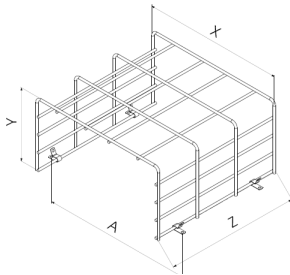
NOTE! For escape route lighting we recommend Linespot II Lowbay (TWT99) luminaires, look at p. 154.

- ⊕ = Protection class of luminaire is 1
- ⊞ = Protection class of luminaire is 2
- ⊟ = Protection class of luminaire is 3
- ⊠ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- RAL = Colour of the body
- 5000 = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

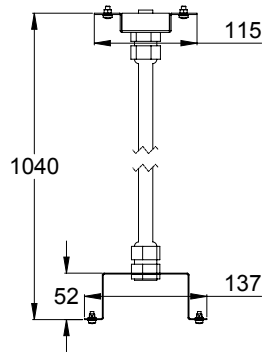
ACCESSORIES

Product code	Product description
TW77504F	Suspension bracket
TW77507B	Shock protecting cover (dimensions: X=320, Y=165, Z=305, A=340)

SHOCK PROTECTING COVER
TW77507B

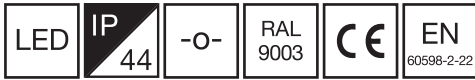


SUSPENSION BRACKET
TW77504F

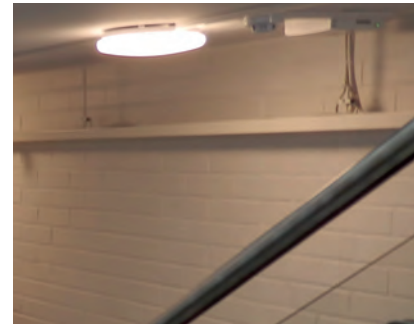


ZONESPOT II MIDBAY

LED EMERGENCY LIGHT FOR SURFACE MOUNTING
IN 2-8 M HIGH OPEN AREAS



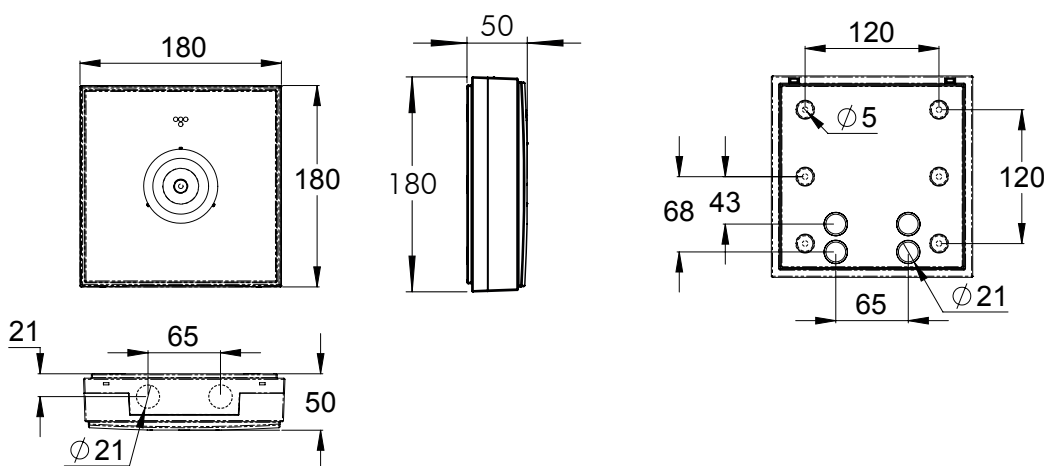
Installation video



Teknoware's Zonespot II Midbay is a surface mounted emergency light for open areas. TWT93/TWS93 model is suitable for areas with 2-8 meter's height. High Output version TWT9356WK can be mounted in up to 14 meter's height. Zonespot II Midbay is easy and fast to install thanks to a separate mounting base, into which the power supply is also connected.

Zonespot II Midbay takes advantage of the latest LED technology. Its optics are designed to provide a broad, uniform lighting pattern, which illuminates the open areas effectively. Zonespot II is also suitable for damp locations.

DIMENSIONS



- ⊕ = Protection class of luminaire is 1
- ⊕ = Protection class of luminaire is 2
- ⊕ = Protection class of luminaire is 3
- ⊕ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- White = Colour of the body
- 3000K = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- III = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

CENTRALLY SUPPLIED LUMINAIRES

24-230V CENTRALLY SUPPLIED EMERGENCY LIGHTS

Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9371W	24-230 V, 50/60 Hz AC,DC	24 V= 8 VA / 5 W 230 V= 10 VA / 5 W	165	CBS	-30...+50°C	24 V= 2 x 2,5 mm ² 230 V= 3 x 2,5 mm ² -o-	0,5
Y9371W	(individually packed incl. TWT9371W)						0,6

ADDRESSABLE 230 V CENTRALLY SUPPLIED EMERGENCY LIGHTS

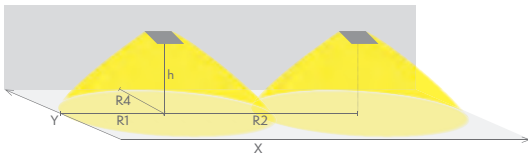


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9351WK	220-240 V, 50/60 Hz AC,DC	10 VA / 5,5 W	165	CBS / C+IC	-30...+50°C	2/3 x 2,5 mm ² -o-	0,5
Y9351WK	(individually packed incl. TWT9351WK)						0,6
TWT9356WK	220-240 V, 50/60 Hz AC,DC	22 VA / 12 W	520 HIGH OUTPUT	CBS / C+IC	-30...+50°C	2/3 x 2,5 mm ² -o-	0,5
Y9356WK	(individually packed incl. TWT9356WK)						0,6

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838:
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

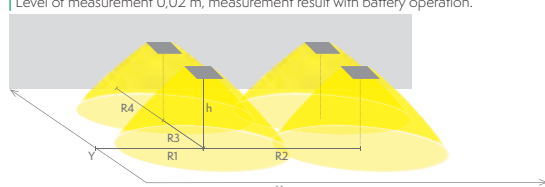
TWT9371W, TWT9351WK

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	18	2,5	6	2,5
4	8	3	7,5	3
6	3,5	4	9	4
8	2	5	11	5

NOTE! For escape route lighting we recommend Linespot II Midbay (TWT88) luminaires, look at p. 160.

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838,
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9371W, TWT9351WK

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	18	3	5	5	3
4	8	3,5	6	6	3,5
6	3,5	4,5	8	8	4,5
8	2	5,5	10	10	5,5

TWT9356WK HIGH OUTPUT

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
3	36	4,5	8	8	4,5
4	21	5	9	9	5
6	11	6,5	12	12	6,5
8	5	7,5	14	14	7,5
10	3	8,5	16	16	8,5
12	2,5	9,5	18	18	9,5
14	1,8	10,5	20	20	10,5

ZONESPOT II MIDBAY



SELF-CONTAINED LUMINAIRES WITH SUPER CAPACITOR

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



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWS9392WA	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	60	1 h Escap + Aalto	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9392WA	(individually packed incl. TWS9392WA)						1,0
TWS9392WAC *)	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	74	1 h Escap + Aalto	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9392WAC	(individually packed incl. TWS9392WAC)						1,0

*) Higher luminous flux

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



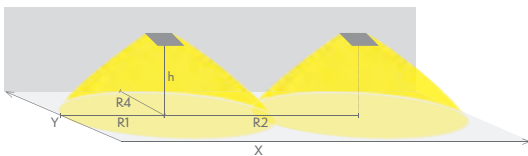
Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWS9392WM	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	60	1 h Escap + M	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9392WM	(individually packed incl. TWS9392WM)						1,0
TWS9392WMC *)	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	74	1 h Escap + M	-25... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9392WMC	(individually packed incl. TWS9392WMC)						1,0

*) Higher luminous flux

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838:
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

TWS9392WM, TWS9392WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	8,5	2	5	2
3	6	2	5,5	2
4	3,5	3	6	3
6	1,5	3	7	3

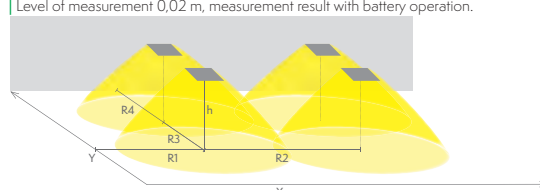
TWS9392WMC, TWS9392WAC

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	11	2	5,5	2
3	7,6	2	5,5	2
4	4,3	3	6	3
6	1,9	3	8,5	3

NOTE! For escape route lighting we recommend Linespot II Midbay (TWT88) luminaires, look at p. 160.

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838,
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWS9392WM, TWS9392WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	8,5	2	4	4	2
3	6	2	4,5	4,5	2
4	3,5	2	5	5	2
6	1,5	3	6	6	3

TWS9392WMC, TWS9392WAC

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	11	2,5	5	5	2,5
3	7,6	2,5	5	5	2,5
4	4,3	3	6	6	3
6	1,9	3,5	8	8	3,5
8	1,1	3,5	8	8	3,5

- ⊕ = Protection class of luminaire is 1
- ⊕ = Protection class of luminaire is 2
- ⊕ = Protection class of luminaire is 3
- ⊕ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- White = Colour of the body
- 3000K = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 °C = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

SELF-CONTAINED LUMINAIRES WITH BATTERY

SELF-CONTAINED EMERGENCY LIGHTS WITH 1 H BATTERY AND WIRELESS CENTRAL MONITORING



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9352WA	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	165	1 h battery + Aalto	0... +35°C	2/3 x 2,5 mm ² -o-	0,7
Y9352WA	(individually packed incl. TWT9352WA)						0,8

SELF-CONTAINED EMERGENCY LIGHTS WITH 3 H BATTERY AND WIRELESS CENTRAL MONITORING

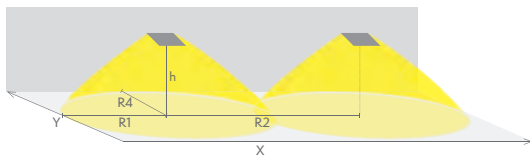


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9353WA	220-240 V, 50/60 Hz AC	6 VA during boost charge 5,5 VA during trickle charge	165	3 h battery + Aalto	0... +35°C	2/3 x 2,5 mm ² -o-	0,9
Y9353WA	(individually packed incl. TWT9353WA)						1,0

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838:
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

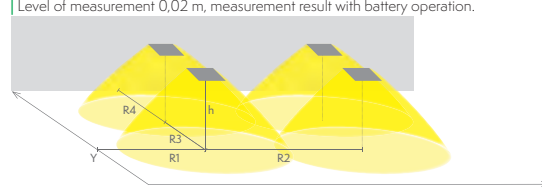
TWT9352WA, TWT9353WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	18	2,5	6	2,5
4	8	3	7,5	3
6	3,5	4	9	4
8	2	5	11	5

NOTE! For escape route lighting we recommend Linespot II Midbay (TWT88) luminaires, look at p. 160.

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838,
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9352WA, TWT9353WA

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	18	3	5	5	3
4	8	3,5	6	6	3,5
6	3,5	4,5	8	8	4,5
8	2	5,5	10	10	5,5

ZONESPOT II MIDBAY



SELF-CONTAINED LUMINAIRES WITH BATTERY

SELF-CONTAINED EMERGENCY LIGHTS WITH 1 H BATTERY AND SELF-TESTING



Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9352WM	220-240 V, 50/60 Hz AC	3 VA during boost charge 2 VA during trickle charge	165	1 h battery + M	0...+35°C	2/3 x 2,5 mm ² -o-	0,7
Y9352WM	(individually packed incl. TWT9352WM)						0,8

SELF-CONTAINED EMERGENCY LIGHTS WITH 3 H BATTERY AND SELF-TESTING

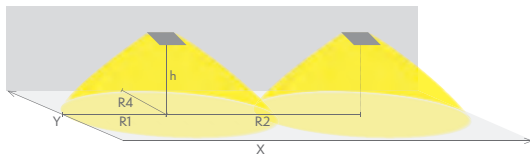


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT9353WM	220-240 V, 50/60 Hz AC	6 VA during boost charge 5,5 VA during trickle charge	165	3 h battery + M	0...+35°C	2/3 x 2,5 mm ² -o-	0,9
Y9353WM	(individually packed incl. TWT9353WM)						1,0

LIGHT DISTRIBUTION TABLES

Emergency lighting for escape routes (ceiling mounting)

Table of 1 lux for escape routes in the middle line according to the norm EN 1838.i
Level of measurement 0,02 m, measurement result with battery operation.



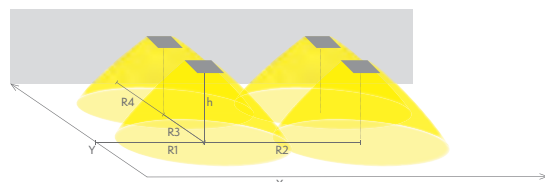
R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R4 distance from wall (Y axis)

TWT9352WM, TWT9353WM

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R4 (m)
		1 lux	1 lux	1 lux
2,5	18	2,5	6	2,5
4	8	3	7,5	3
6	3,5	4	9	4
8	2	5	11	5

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838,
0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis)
R2 installation distance between lights (X axis)
R3 installation distance between lights (Y axis)
R4 distance from wall (Y axis)

TWT9352WM, TWT9353WM

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
2,5	18	3	5	5	3
4	8	3,5	6	6	3,5
6	3,5	4,5	8	8	4,5
8	2	5,5	10	10	5,5

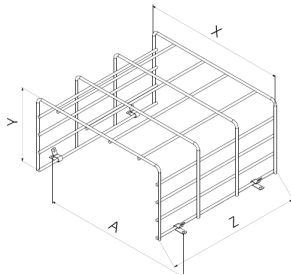
NOTE! For escape route lighting we recommend Linespot II Midbay (TWT88) luminaires, look at p. 160.

- ⊕ = Protection class of luminaire is 1
- ⊞ = Protection class of luminaire is 2
- ⊞ = Protection class of luminaire is 3
- ⊞ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- White = Colour of the body
- 5000 = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

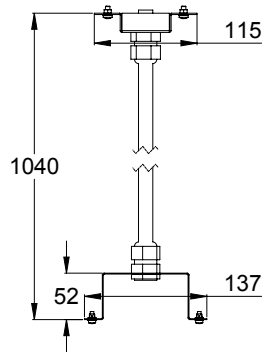
ACCESSORIES

Product code	Product description
TW77504F	Suspension bracket
TW77507B	Shock protecting cover (dimensions: X=320, Y=165, Z=305, A=340)

SHOCK PROTECTING COVER
TW77507B

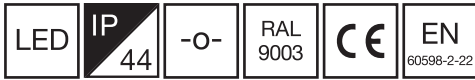


SUSPENSION BRACKET
TW77504F



ZONESPOT II HIGHBAY

HIGH OUTPUT LED EMERGENCY LIGHT FOR SURFACE MOUNTING
IN 6-30 M HIGH OPEN AREAS



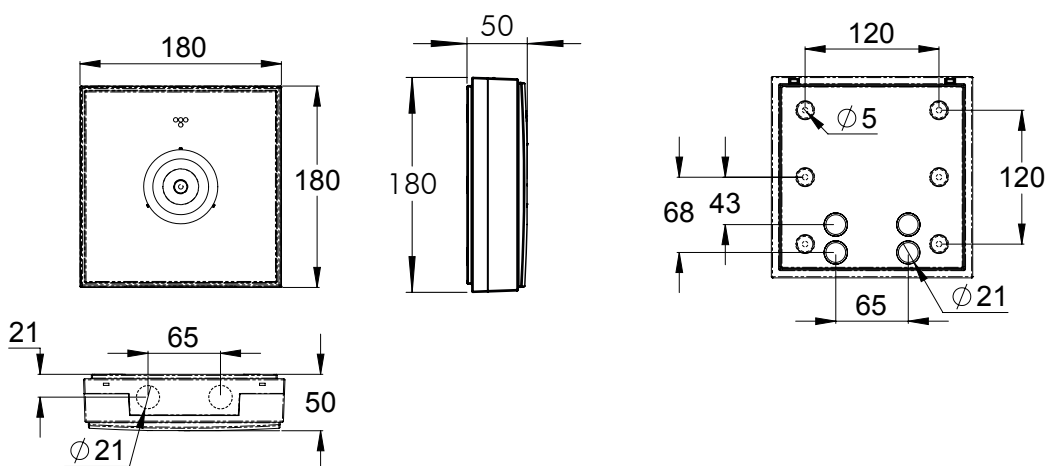
Installation video



Zonespot II Highbay, TWT8456WK, is a High Output emergency light, designed for illuminating 6-30 meter high open spaces. The luminaire is easily surface mounted, thanks to a separate mounting base, into which the power supply is also connected.

Zonespot II Highbay takes advantage of the latest LED technology. Its optics are designed to illuminate open areas effectively, especially in high spaces. Thanks to the IP44 enclosure class, Zonespot II is also suitable for damp locations.

DIMENSIONS



- ⊕ = Protection class of luminaire is 1
- ⊕ = Protection class of luminaire is 2
- ⊕ = Protection class of luminaire is 3
- ⊕ = Luminaire is suitable for through-wiring
- IP20 = Protection rating
- RAL = Colour of the body
- 3000 = Viewing distance
- LED = LED as a light source
- Aalto = Aalto Control compatible (incl. Lumi Test)
- M = Self-contained luminaire with Lumi test self-testing
- Escap = Self-contained luminaire with 1 h super capacitor backup
- C = Compatible with Tapsa Control Central Battery Unit and Local Controller
- 850 = compliant with the 850 glow wire test
- IC = Compatible with Intelligent Controller
- CBS = Centrally supplied

CENTRALLY SUPPLIED LUMINAIRES

ADDRESSABLE 230 V CENTRALLY SUPPLIED EMERGENCY LIGHTS

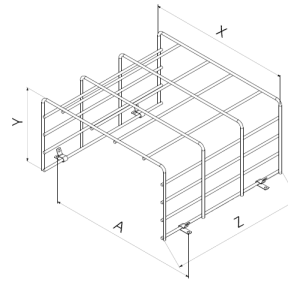


Product code	Nominal supply voltage	Max input power	Luminous flux (lm)	Operation mode	Temperature range	Electrical installation	Weight (kg)
TWT8456WK	220-240 V, 50/60 Hz AC,DC	22 VA / 12 W	535 HIGH OUTPUT	CBS / C+ IC	-30... +50°C	2/3 x 2,5 mm ² -0-	0,5
Y8456WK	(individually packed incl. TWT8456WK)						0,6

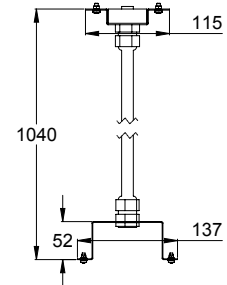
ACCESSORIES

Product code	Product description
TW77504F	Suspension bracket
TW77507B	Shock protecting cover (dimensions: X=320, Y=165, Z=305, A=340)

SHOCK PROTECTING COVER
TW77507B



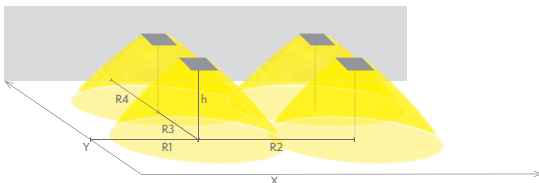
SUSPENSION BRACKET
TW77504F



LIGHT DISTRIBUTION TABLES

Emergency lighting for open areas (ceiling mounting)

Table of 0,5 lux for open areas according to the norm EN 1838, 0,5 m edge district is considered in the table.
Level of measurement 0,02 m, measurement result with battery operation.



R1 distance from wall (X axis) | R2 installation distance between lights (X axis) | R3 installation distance between lights (Y axis) | R4 distance from wall (Y axis)

TWT8456WK

Mounting height (m)	Below the light (lux)	R1 (m)	R2 (m)	R3 (m)	R4 (m)
		0,5 lux	0,5 lux	0,5 lux	0,5 lux
6	24	6,5	12	12	6,5
8	13	7,5	14	14	7,5
10	8	8,5	16	16	8,5
12	6	9,5	18	18	9,5
14	4	10,5	20	20	10,5
16	3	11,5	22	22	11,5
18	2,5	11,5	22	22	11,5
20	2	10,5	21	21	10,5
25	1,4	9,5	18	18	9,5
30	1	9,5	18	18	9,5