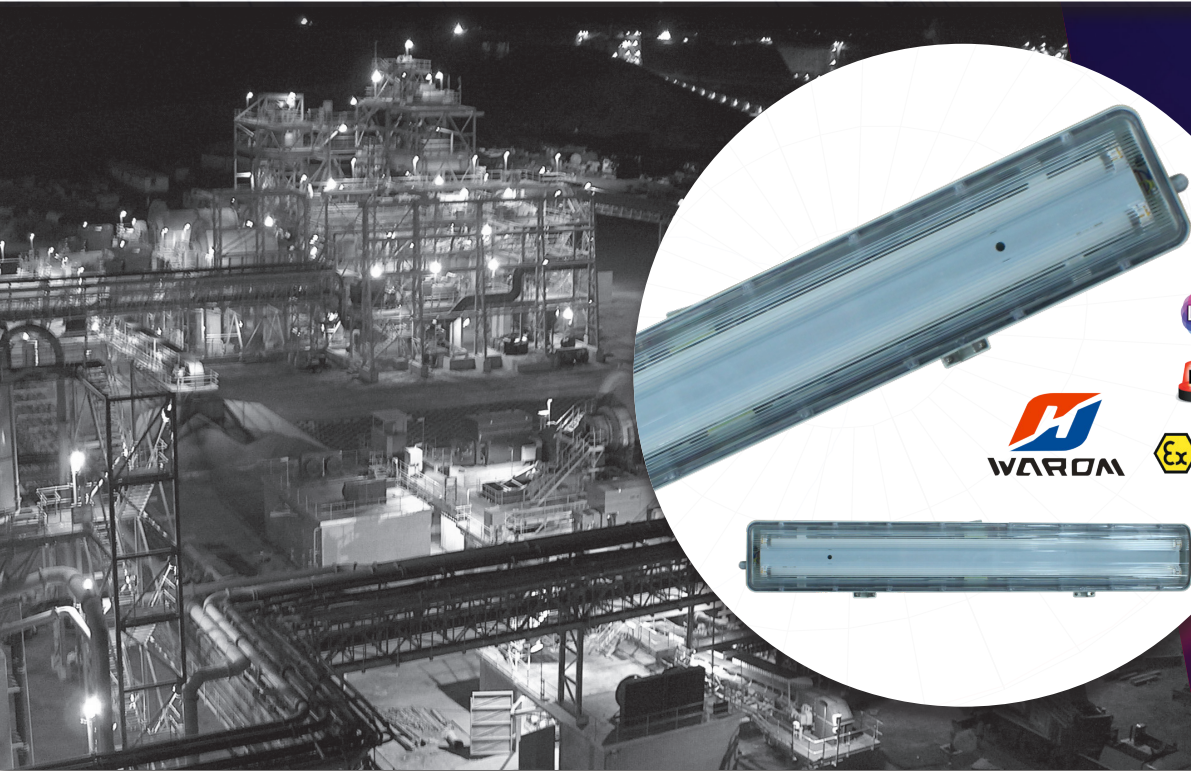


WAROM BAY EXPLOSION PROOF



OVERVIEW



Bay51-Q LED Series Explosion-proof Light Fittings for a linear BT8-T8 explosion proof LED lamp.




- Explosion Protection to:
 - CENELEC
 - IEC
 - NEC
- Zone / Class Rating:
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A,B,C,D
- Enclosure Type
 - Type I and Type II
- Enclosure in glass fiber reinforced polyester (GRP), diffuser in polycarbonate, corrosion-proof
- Diffuser: Flame retardant UV stabilised polycarbonate
- Available lamp and power
 - Built-in power supply, LED lamp and driving power are integrated type: 9Wx1, 18Wx1, 9Wx2, 18Wx2
 - External power, LED lamp and driving power are split type: 14Wx1, 14Wx2, 28Wx1, 28Wx2
- Ex e enclosure with explosion-proof internal components
- Safety interlock between enclosure and diffuser, switches off on opening
- Built-in LED driver, wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥ 0.95
- Emergency unit with protections against overcharge and over-discharge







MAGNITECH
LIGHTING INDUSTRIES

MAGNITECH - BENCHMARKING
THE STANDARD OF **QUALITY**

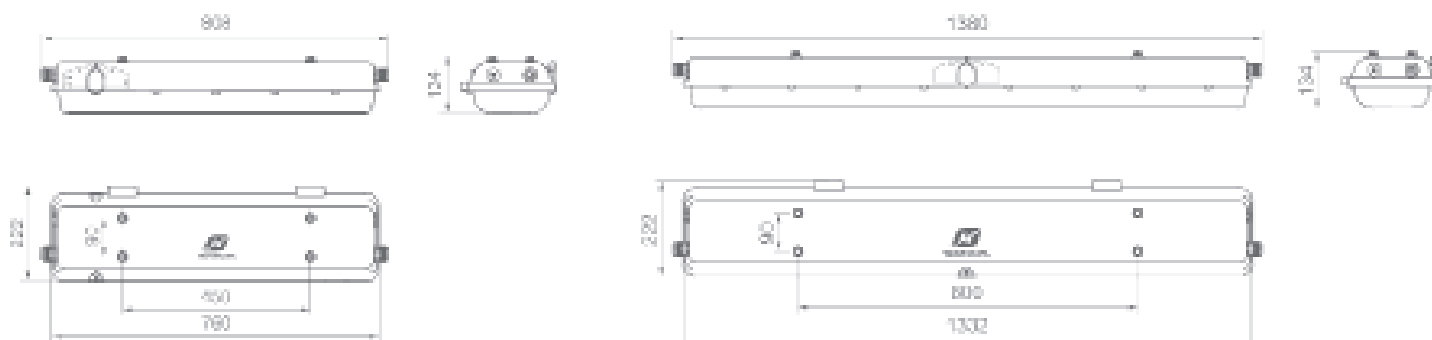
EXPLOSION-PROOF LIGHT FITTINGS WITH LED TUBES

Explosion Protection	
Gas explosion protection	 
Dust Explosion protection	 ¹⁾ See Selection Table
Certificates	ATEX and IECEx
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-5, EN 60079-7, EN 60079-28, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-5, IEC 60079-7, IEC 60079-28, IEC 60079-31 SANS 60079-0, SANS 60079-7
Material	
Enclosure	GRP, withstands a 7 J impact, corrosion-proof
Diffuser	Polycarbonate, 90% light transmission, withstands a 7J impact
LED Driver	Wide voltage input, CC-CV (constant current - constant voltage) output, power factor ≥ 0.95 , with function of distributed current, constant current, surge-proof and antielectromagnetic interference, and protection against over-current, open circuit, and short circuit.
Exposed fastener	Stainless steel
Lamp	
Lamp specification	LED module (supplied with the light fittings)
Lamp power (W)	9W x 1, 18W x 1, 9W x 2, 18W x 2 (LED lamp and driving power are integrated type) 14W x 1, 28W x 1, 14W x 2, 28W x 2 (LED lamp and driving power are split type)
Colour temperature (CCT)	5000 ~ 5700K Note: cool white is available as standard. Warm white (2700 ~ 3500K) or nature white (4700 ~ 5400K) is optional. Please specify when ordering.
Rated voltage	Built-in power supply, LED lamp and driving power are integrated type: 170~264V AC 50/60Hz External power supply, LED lamp and driving power are split type: 100~277V AC 50/60Hz; 200~250V DC
Degree of protection	IP66, IP67(optional)
Ambient temperature	-20°C ~ +55°C
Terminal	3 x 1.5~4mm ² (L + N+PE)
Cable entries	4 x ØD26: 2 x M25 x 1.5 cable glands (DQM-I Ex e, plastic), 2 x M25 x 1.5 plugs.
Available cable outer diameter	ØD9 ~ ØD16 (mm)
Emergency Data	
Emergency controller	Special emergency controller and battery pack, with protection against overcharge and over-discharge.
Emergency power (W)	14Wx 1, 28Wx 1
Emergency starting time	0.3s
Charging time	24h
Emergency lighting time	120min (180min is optional)

SELECTION TABLE

Lamp tube type	LED lamp and driving power are integrated type	LED lamp and driving power are split type
Explosion protection	 	 
Lamp power (W)	PWx1, 9Wx1, 9Wx2, 18Wx1, 18Wx2	14Wx1, 28Wx1, 14Wx2, 28Wx2

DIMENSION DATA



ORDERING DATA

SELECTION TABLE FOR EXTERNAL POWER SUPPLY & LED LAMP

Ordering Code	Lamp Power (W)	Weight (kg)	Ordering Code	Lamp Power (W)	Weight (kg)	Ordering Code	Lamp Power (W)	Weight (kg)	Ordering Code	Lamp Power (W)	Weight (kg)
BAY51-Q LED 14x1L	14x1	8.00	BAY51-Q LED 14x1LJ	14x1	8.30	BAY51-Q LED 14x2L	14x2	8.45	BAY51-Q LED 14x2LJ	14x2	8.80
BAY51-Q LED 14x1X	14x1	7.90	BAY51-Q LED 14x1XJ	14x1	8.20	BAY51-Q LED 14x2X	14x2	8.35	BAY51-Q LED 14x2XJ	14x2	8.70
BAY51-Q LED 14x1B	14x1	8.90	BAY51-Q LED 14x1BJ	14x1	9.20	BAY51-Q LED 14x2B	14x2	9.35	BAY51-Q LED 14x2BJ	14x2	9.70
BAY51-Q LED 14x1D	14x1	9.20	BAY51-Q LED 14x1DJ	14x1	9.50	BAY51-Q LED 14x2D	14x2	9.65	BAY51-Q LED 14x2DJ	14x2	10.00
BAY51-Q LED 14x1G	14x1	8.85	BAY51-Q LED 14x1GJ	14x1	9.15	BAY51-Q LED 14x2G	14x2	9.30	BAY51-Q LED 14x2GJ	14x2	9.65
BAY51-Q LED 28x1L	28x1	12.50	BAY51-Q LED 28x1LJ	28x1	13.10	BAY51-Q LED 28x2L	28x2	13.90	BAY51-Q LED 28x2LJ	28x2	13.60
BAY51-Q LED 28x1X	28x1	13.20	BAY51-Q LED 28x1XJ	28x1	13.90	BAY51-Q LED 28x2X	28x2	13.70	BAY51-Q LED 28x2XJ	28x2	14.40
BAY51-Q LED 28x1B	28x1	13.30	BAY51-Q LED 28x1BJ	28x1	14.00	BAY51-Q LED 28x2B	28x2	13.80	BAY51-Q LED 28x2BJ	28x2	14.50
BAY51-Q LED 28x1D	28x1	13.55	BAY51-Q LED 28x1DJ	28x1	14.25	BAY51-Q LED 28x2D	28x2	14.00	BAY51-Q LED 28x2DJ	28x2	14.75
BAY51-Q LED 28x1G	28x1	13.20	BAY51-Q LED 28x1GJ	28x1	13.90	BAY51-Q LED 28x2G	28x2	13.70	BAY51-Q LED 28x2GJ	28x2	14.40

Note: Products above include all the mounting accessories listed in the Mounting Accessories & Spare Parts table

SELECTION TABLE FOR INTERNAL LAMP WITH INTERNAL DRIVER

Ordering Code	Lamp Power (W)	Weight (kg)	Ordering Code	Lamp Power (W)	Weight (kg)
BAY51-Q LED 9x1L	9x1	7.40	BAY51-Q LED 14x1LJ	14x1	8.30
BAY51-Q LED 9x1X	9x1	7.50	BAY51-Q LED 14x1XJ	14x1	8.20
BAY51-Q LED 9x1B	9x1	8.50	BAY51-Q LED 14x1BJ	14x1	9.20
BAY51-Q LED 9x1D	9x1	8.80	BAY51-Q LED 14x1DJ	14x1	9.50
BAY51-Q LED 9x1G	9x1	8.45	BAY51-Q LED 14x1GJ	14x1	9.15
BAY51-Q LED 18x1L	18x1	12.10	BAY51-Q LED 28x1LJ	28x1	13.10
BAY51-Q LED 18x1X	18x1	12.80	BAY51-Q LED 28x1XJ	28x1	13.90
BAY51-Q LED 18x1B	18x1	12.90	BAY51-Q LED 28x1BJ	28x1	14.00
BAY51-Q LED 18x1D	18x1	13.15	BAY51-Q LED 28x1DJ	28x1	14.25
BAY51-Q LED 18x1G	18x1	12.80	BAY51-Q LED 28x1GJ	28x1	13.90

Note: Products above include all the mounting accessories listed in the Mounting Accessories & Spare Parts table

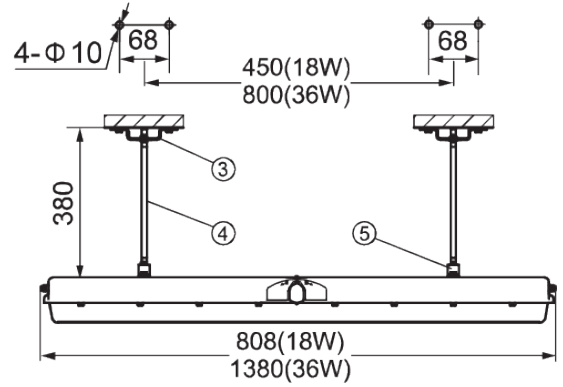
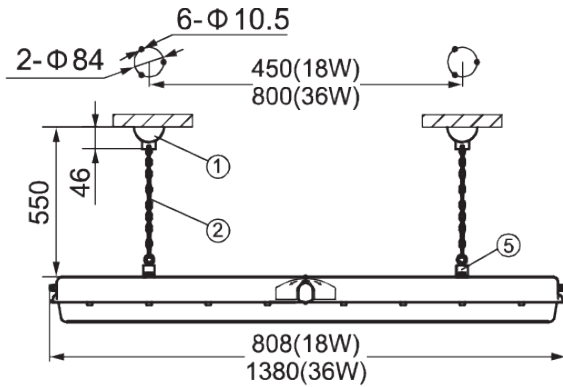
MOUNTING OPTIONS

Installation Reference - all dimensions in mm (subject to alteration)

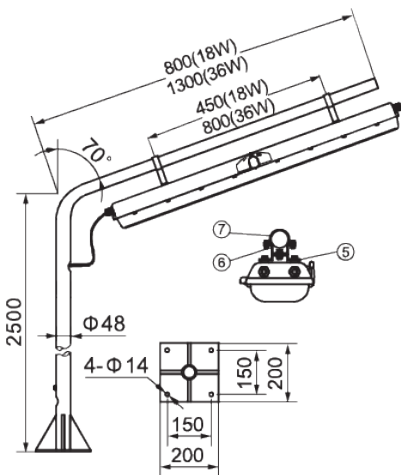


D: PENDANT CHAIN TYPE

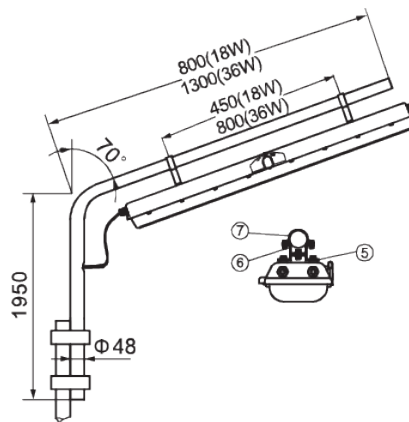
D: PENDANT CHAIN TYPE



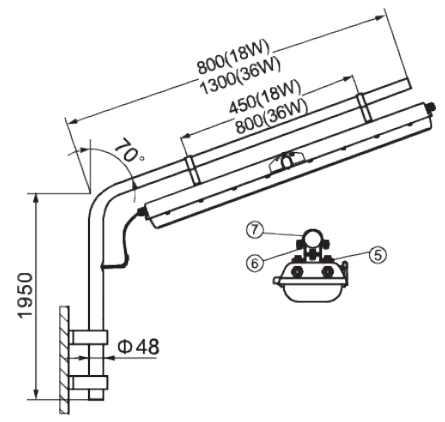
L: POLE TYPE (THE POLE IS PROVIDED BY USER)



Suitable for ground pole type



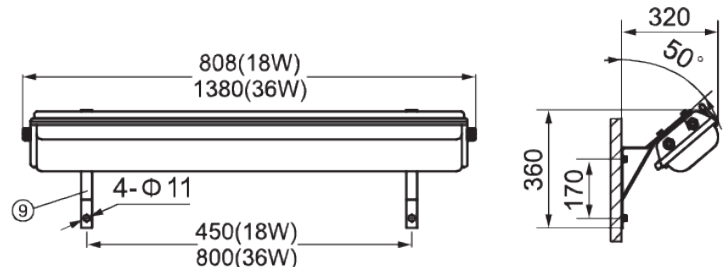
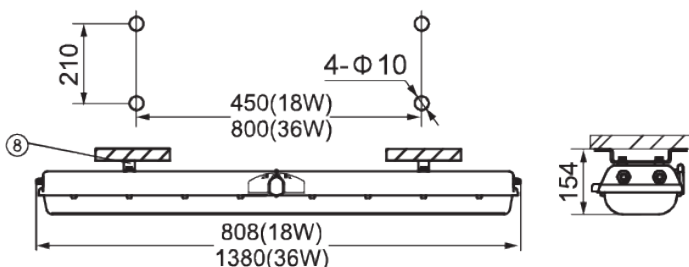
Suitable for fence pole type



Suitable for wall pole type

X: CEILING TYPE

B: WALL TYPE



MOUNTING ACCESSORIES & SPARE PARTS

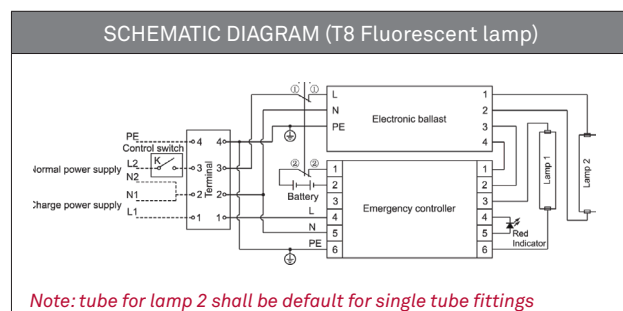
Supplied according to the mounting type



MOUNTING TYPE	ACCESSORIES			ORDERING CODE	WEIGHT (kg)
	NAME	QTY	ILLUSTRATION		
D: pendant chain	1) Sucker	2		5136017	0.15
	2) Chain	2	Length: 450mm	5136016	0.08
	5) Mounting bracket	2	Stainless steel, same as pendant pole type	5136030	0.07
G: pendant pole	3) Mounting bracket	2		51S01G1	0.04
	4) M8 Screw	2	Stainless steel, same as pendant pole type	51S01G2	0.12
	5) Mounting bracket	2		5136030	0.07
L: pole type	6) Mounting bracket	2		5136012	0.04
	7) G1 1/2" Pipe clamp	2		5136014	0.04
	5) Mounting bracket	2	Stainless steel, same as pendant pole type	5136030	0.07
X: ceiling type		2		5136015	0.20
B: wall type		2	Stainless steel, welded sheet steel	5136B02	0.62

Note: Accessories not in the table shall be supplied by user

ACCESSORIES		
NAME	ORDERING CODE	WEIGHT (kg)
Explosion-proof distance switch	5136003	0.04
Spanner	5136004	0.02
Lamp holder (with wires)	5136005	0.02
YK36DF-2CS electronic ballast (T8/36W)	5136001	1.30
YK18DF-2CS electronic ballast (T8/18W)	5118004	1.30
BY-2 emergency controller (with battery) (T8/36W)	5136019	1.70
BY-2 emergency controller (with battery) (T8/18W)	5118005	1.70



Magnitech is the exclusive distributor of the Warom, internationally acclaimed ATEX certified, range of explosion proof fittings.

Due to our continuing R&D, the data featured in this brochure may change without prior notice. Warranties are subject to our standard terms and conditions of sale. Contact our experienced technical sales team for additional information on our full range of products as well as options and accessories available.



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