◆ Explosion Protection to
  -CENELEC
  -IEC
  -NEC
◆ Can be used in
  Zone 1 and Zone 2
  Zone 21 and Zone 22
◆ Available lamp and power
  T8 Fluorescent Lamps: 18W x 1, 36W x 1, 18W x 2, 36W x 2
  LED lamps: 9W x 1,18W x 1, 9W x 2,18W x 2
◆ T8 Fluorescent Lamps: Built-in electromagnetic ballast
  (Electronic ballast is optional, please specify when ordering).
◆ LED lamps: Built-in LED driver, wide voltage input, CC-CV
  (constant current - constant voltage) output, power factor ≥0.95.
◆ Enclosure in Copper-free Aluminium Alloy, powder coated surface,
  yellow (RAL1021).

■ Catalogue number logic

HRY52 - □ □ x □ □

Mounting
- L: pole type
- X: ceiling type
- D: pendant chain type (only for single-lamp light fitting)
- G: pendant pole type
- B: wall type (only for dual-lamp light fitting)

Lamp number
Lamp power (W)
LED: only for LED lamp
Explosion-proof light fittings for fluorescent lamp
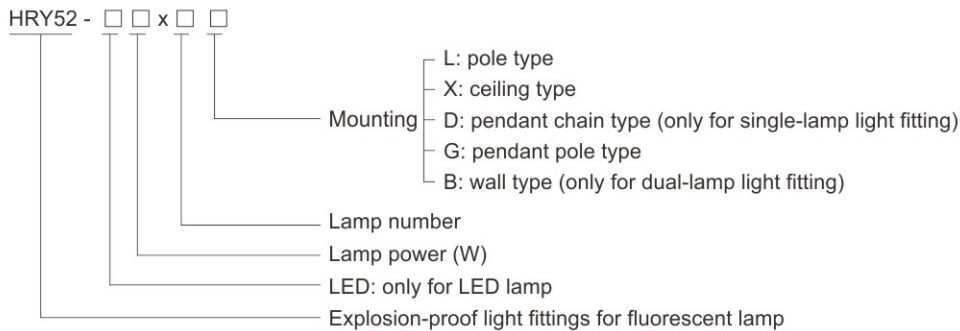
■ Selection table

Type / Ordering code	Lamp power(W)	Weight (kg)	Type / Ordering code	Lamp power(W)	Weight (kg)	Type / Ordering code	Lamp power(W)	Weight (kg)
HRY52-18 x 1X	18 x 1	3.90	HRY52-36 x 2X	36 x 2	12.00	HRY52-LED 9 x 2X	9 x 2	7.80
HRY52-18 x 1L	18 x 1	4.00	HRY52-36 x 2L	36 x 2	11.70	HRY52-LED 9 x 2L	9 x 2	7.50
HRY52-18 x 1D	18 x 1	4.20	HRY52-36 x 2G	36 x 2	12.50	HRY52-LED 9 x 2D	9 x 2	8.10
HRY52-18 x 1G	18 x 1	4.20	HRY52-36 x 2B	36 x 2	12.40	HRY52-LED 9 x 2G	9 x 2	8.70
HRY52-36 x 1X	36 x 1	4.80	HRY52-LED 9 x 1X	9 x 1	4.10	HRY52-LED 18 x 2X	18 x 2	12.20
HRY52-36 x 1L	36 x 1	5.00	HRY52-LED 9 x 1L	9 x 1	4.20	HRY52-LED 18 x 2L	18 x 2	11.90
HRY52-36 x 1D	36 x 1	5.10	HRY52-LED 9 x 1D	9 x 1	4.40	HRY52-LED 18 x 2D	18 x 2	12.70
HRY52-36 x 1G	36 x 1	5.10	HRY52-LED 9 x 1G	9 x 1	4.40	HRY52-LED 18 x 2G	18 x 2	12.60
HRY52-18 x 2X	18 x 2	7.60	HRY52-LED 18 x 1X	18 x 1	5.00			
HRY52-18 x 2L	18 x 2	7.30	HRY52-LED 18 x 1L	18 x 1	5.20			
HRY52-18 x 2G	18 x 2	7.90	HRY52-LED 18 x 1D	18 x 1	5.30			
HRY52-18 x 2B	18 x 2	8.50	HRY52-LED 18 x 1G	18 x 1	5.30			

Note: 1. Products above include all the mounting accessories listed in Mounting Accessories & Spare Parts Table (see P2/30~31).
2. Wall type is applicable for dual-lamp light fitting only.
3. Pendant chain type is applicable for single-lamp light fitting only.

Zones 1&2; 21&22

Technical data

Explosion-proof light fittings for fluorescent lamp   HRY52-□□×□□

| **Explosion protection**	
PCEC (China)	PCEC (China)
Gas and dust	⟨Ex⟩ II 2 G Ex d IIC T6 Gb
	Ex tD A21 IP66 T80℃
	PCEC (China)
Certificates	
Conformity to standards	IEC 60079-0, IEC 60079-1, IEC 61241-0, IEC 61241-1
Material	
Enclosure	Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Ballast	Electromagnetic ballast (Electronic ballast is optional)
External reflector	Powder coated pure aluminium
Exposed fastener	Stainless steel
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 anti-electromagnetic interference, and protection against overcurrent, open circuit, and short circuit.
Lamp	
Lamp specification	T8 fluorescent lamp (supplied with the light fittings)
	LED module (supplied with the light fittings)
Lamp power (W)	T8: 18Wx1, 36Wx1, 18Wx2, 36Wx2
	LED: 9Wx1, 18Wx1, 9Wx2, 18Wx2
Colour rendering index (Ra)	LED: ≥80
LED Colour temperature (CCT)	5000K
	Note: nature white is available in general. Warm white or cool white is optional, please specify when ordering.
Rated voltage	T8: 220~240V AC 50Hz (60Hz is optional) (with electromagnetic ballast)
	T8: 220~240V AC 50/60Hz (with electronic ballast)
	LED: 110~265V AC 50/60Hz
Earthing protection	M5 (internal & external earth bolts)
Degree of protection	IP66
Ambient temperature	-20℃~+55℃
Terminal	3 x 1.5~2.5mm² (L+N+PE)
Cable entries	1 x G3/4" (1 x M25 x 1.5 for pole type dual-lamp light fittings, M25 x 1.5 or M20 x 1.5 with connector on request)
Cable gland	See Mounting Accessories & Spare Parts Table
Available cable outer diameter	Φ10~Φ14 (mm)

Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5000K

HRY52-□□x1□

Lamp power (W)	Rated luminous flux (Lamp tube)	Luminaire efficiency
T8 18 x 1	1300lm	61%
T8 36 x 1	3250lm	61%

Lamp power (W)	Luminous flux	Wattage	Luminous efficacy
LED 9 x 1	915lm	9.5W	96lm/W
LED 18 x 1	1730lm	18W	96lm/W
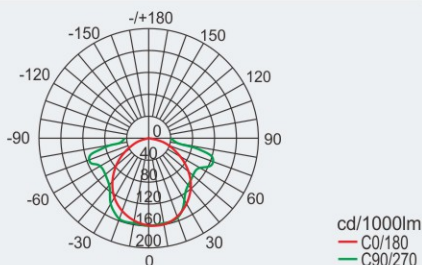
HRY52-□□x2□

Lamp power (W)	Rated luminous flux (Lamp tube)	Luminaire efficiency
T8 18 x 2	2600lm	62%
T8 36 x 2	6500lm	62%

Lamp power (W)	Luminous flux	Wattage	Luminous efficacy
LED 9 x 2	1840lm	19W	97lm/W
LED 18 x 2	3530lm	36W	98lm/W

cd/1000lm
— C0/180
— C90/270
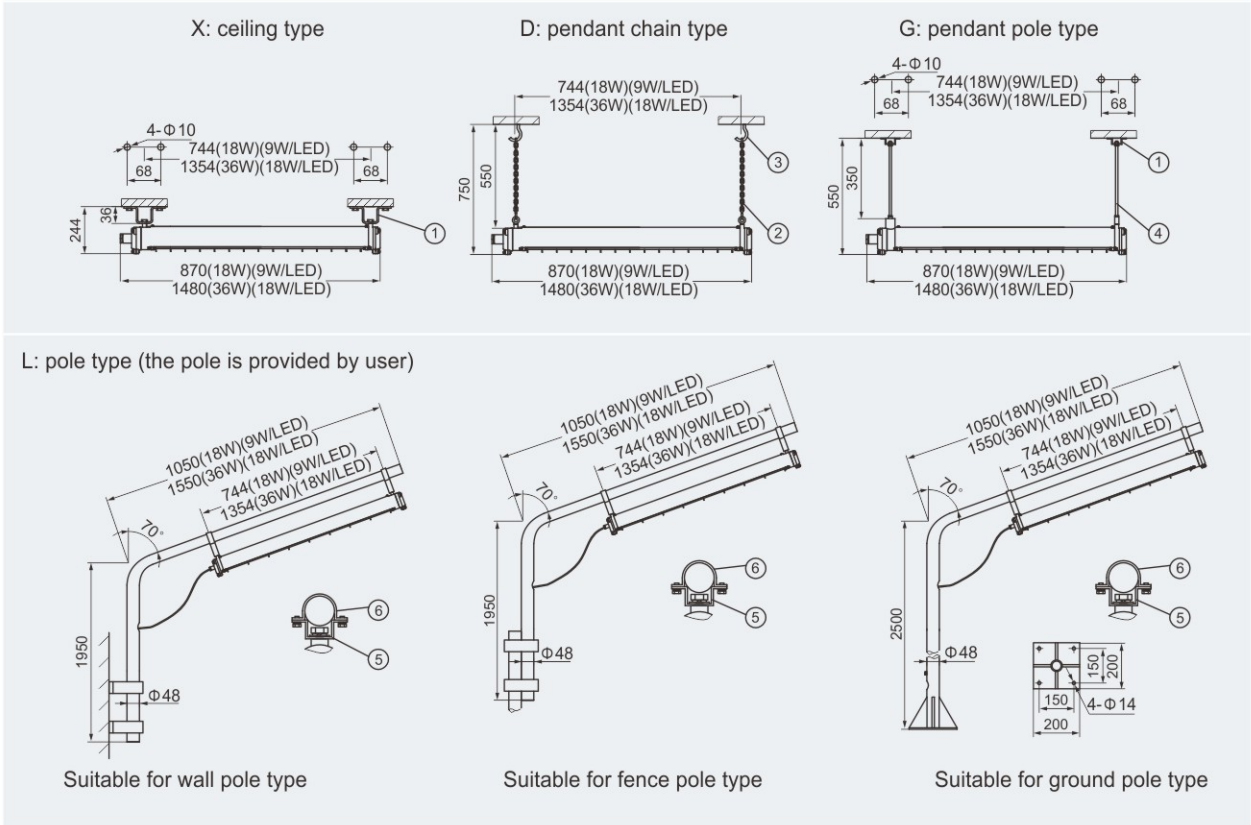

cd/1000lm
— C0/180
— C90/270
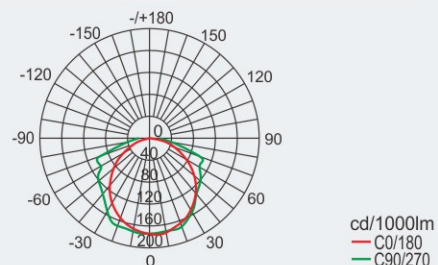
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

Light Fittings for Fluorescent Lamp
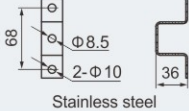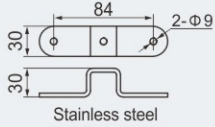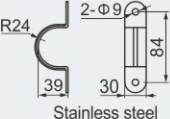## HRY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

Mounting type for light fittings with single lamp tube (all dimensions in mm) - subject to alteration

Installation reference

X: ceiling type

D: pendant chain type

G: pendant pole type

L: pole type (the pole is provided by user)

Suitable for wall pole type

Suitable for fence pole type

Suitable for ground pole type

Mounting Accessories & Spare Parts Table (light fittings with single lamp tube)

Supplied according to the mounting type

Mounting type	Accessories			Ordering code	Weight (kg)
	Name	Qty	Illustration		
X: ceiling type	①.Mounting bracket	2	Stainless steel	51S01G1	0.04
D: pendant chain type	②.Chain	2	Length: 450mm	5136016	0.08
	③.Hook expansion bolt	2		52017	0.03
G: pendant pole type	①.Mounting bracket	2	Stainless steel, same as ceiling type	51S01G1	0.04
	④.M8 Screw	2	Stainless steel, length: 350mm	51S01G2	0.12
L: pole type	⑤.Mounting bracket	2	Stainless steel	5136012	0.04
	⑥.G1 1/2″ Pipe clamp	2	Stainless steel	5136014	0.04

Note: Accessories not in the table shall be supplied by user.
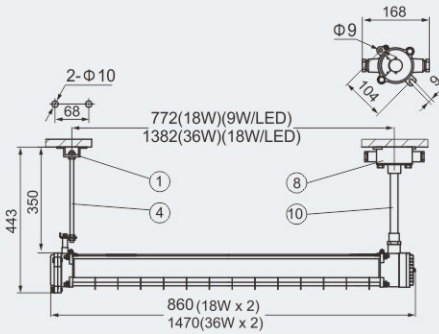
Mounting type for light fittings with dual lamp tube (all dimensions in mm) - subject to alteration
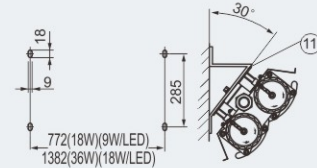
Installation reference
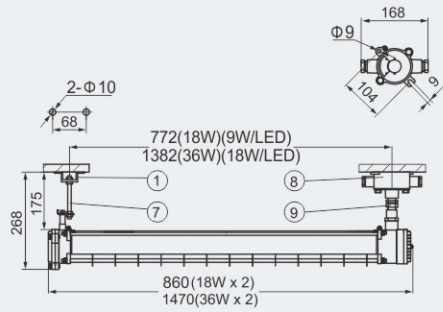
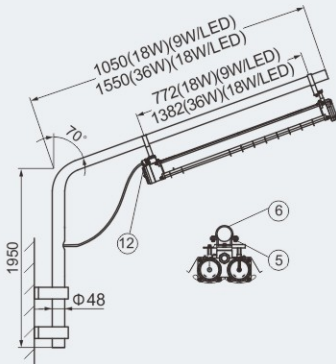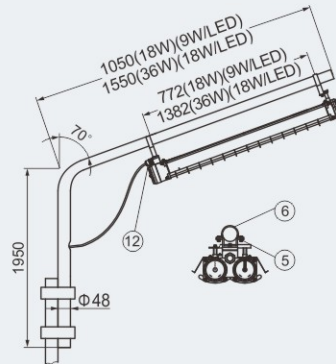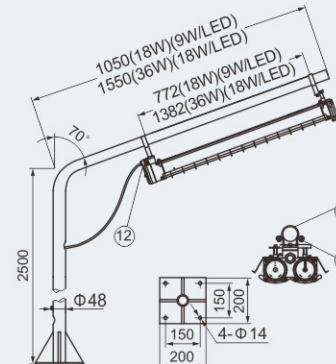X: ceiling type   G: pendant pole type   B: wall type

L: pole type (the pole is provided by user)

Suitable for wall pole type   Suitable for fence pole type   Suitable for ground pole type

Mounting Accessories & Spare Parts Table (light fittings with dual lamp tube)

Supplied according to the mounting type

Mounting type	Accessories			Ordering code	Weight (kg)
	Name	Qty	Illustration		
X: ceiling type	①.Mounting bracket	1	Stainless steel, same as light fittings with single lamp	51S01G1	0.04
	⑦.M8 Screw	1	Stainless steel, length:150mm	52D01X1	0.08
	⑧.BHD51 Explosion–proof junction box	1	G3/4"(Ex e)	52D01X2	0.40
	⑨.BGJ–III Explosion–proof connector	1	Stainless steel, G3/4"(M)/G3/4"(M)	See P7/8	0.28
G: pendant pole type	①.Mounting bracket	1	Stainless steel, same as light fittings with single lamp	51S01G1	0.04
	④.M8 Screw	1	Stainless steel, length: 350mm	51S01G2	0.12
	⑧.BHD51 Explosion–proof junction box	1	G3/4"(Ex e)	52D01X2	0.40
	⑩.Straight pipe (G3/4")	1	Length: 250mm	52D01G1	0.34
B: wall type	⑪.Wall bracket	2	Stainless steel, welded sheet steel	5236B01	0.60
L: pole type	⑤.Mounting bracket	2	Stainless steel, same as light fittings with single lamp	5136012	0.04
	⑥.G1 1/2"Pipe clamp	2	Stainless steel, same as light fittings with single lamp	5136014	0.04
	⑫.DQM–II Explosion–proof cable gland	1	M25 x 1.5	See P7/20	0.25

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