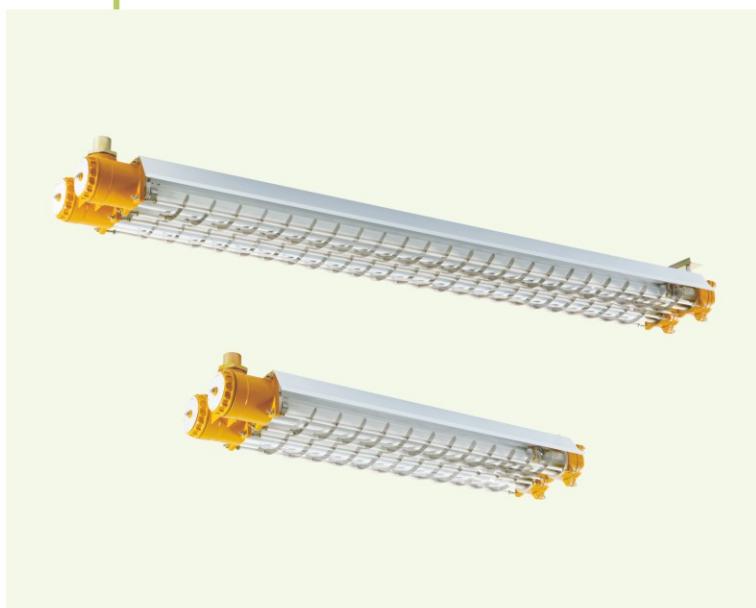


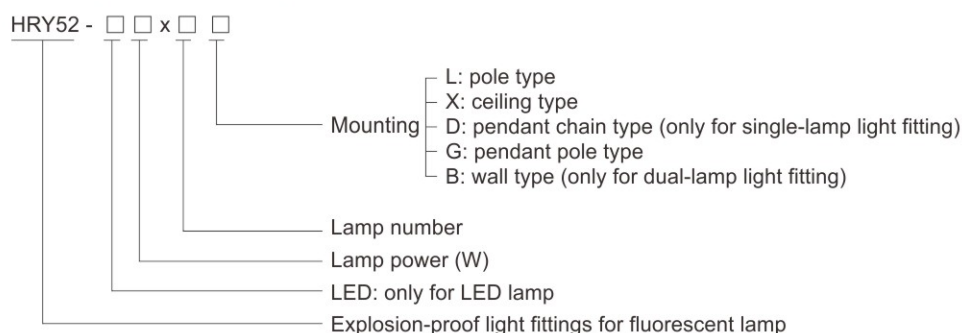
Light Fittings for Fluorescent Lamp

HRY52 Series Explosion-proof Light Fittings for Fluorescent Lamp



- ◆ 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



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 P2/36~37).
 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

Light Fittings for Fluorescent Lamp

HRY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

Technical data

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

Explosion protection

CNEx (China)
Gas and dust

CNEx (China)
Ex db IIC T6 Gb
Ex tb IIIC T80°C Db
CNEx (China)

Certificates

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-31, IEC 60079-0, IEC 60079-1, IEC 60079-31

Material

Enclosure
Ballast
External reflector
Exposed fastener
LED driver

Copper-free Aluminium Alloy, powder coated surface, yellow (RAL1021)
Electromagnetic ballast (Electronic ballast is optional)
Powder coated pure aluminium
Stainless steel
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

Lamp power (W)

Colour rendering index (Ra)
LED Colour temperature (CCT)

T8 fluorescent lamp (supplied with the light fittings)
LED module (supplied with the light fittings)
T8: 18Wx1, 36Wx1, 18Wx2, 36Wx2
LED: 9Wx1, 18Wx1, 9Wx2, 18Wx2
LED: ≥ 80
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)

Earthing protection

Degree of protection

Ambient temperature

Terminal

Cable entries

Cable gland

Available cable outer diameter

LED: 110~265V AC 50/60Hz
M5 (internal & external earth bolts)
IP66
-20°C~+55°C
3 x 1.5~2.5mm² (L+N+PE)
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)
See Mounting Accessories & Spare Parts Table
Φ 10~Φ 14 (mm)

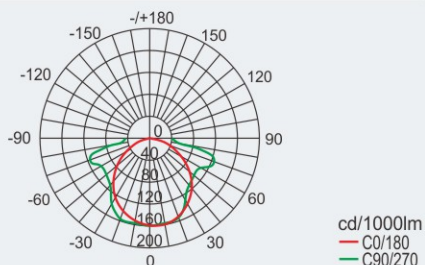


Photometric data Note: LED luminous flux is from the standard product of which colour temperature is 5000K

HRY52-□□x1□

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

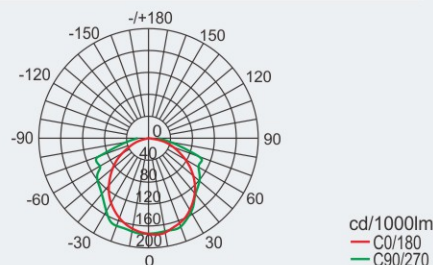
Lamp power (W)	Luminous flux	Wattage
LED 9 x 1	915lm	9.5W
LED 18 x 1	1730lm	18W



HRH52-□□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
LED 9 x 2	1840lm	19W
LED 18 x 2	3530lm	36W



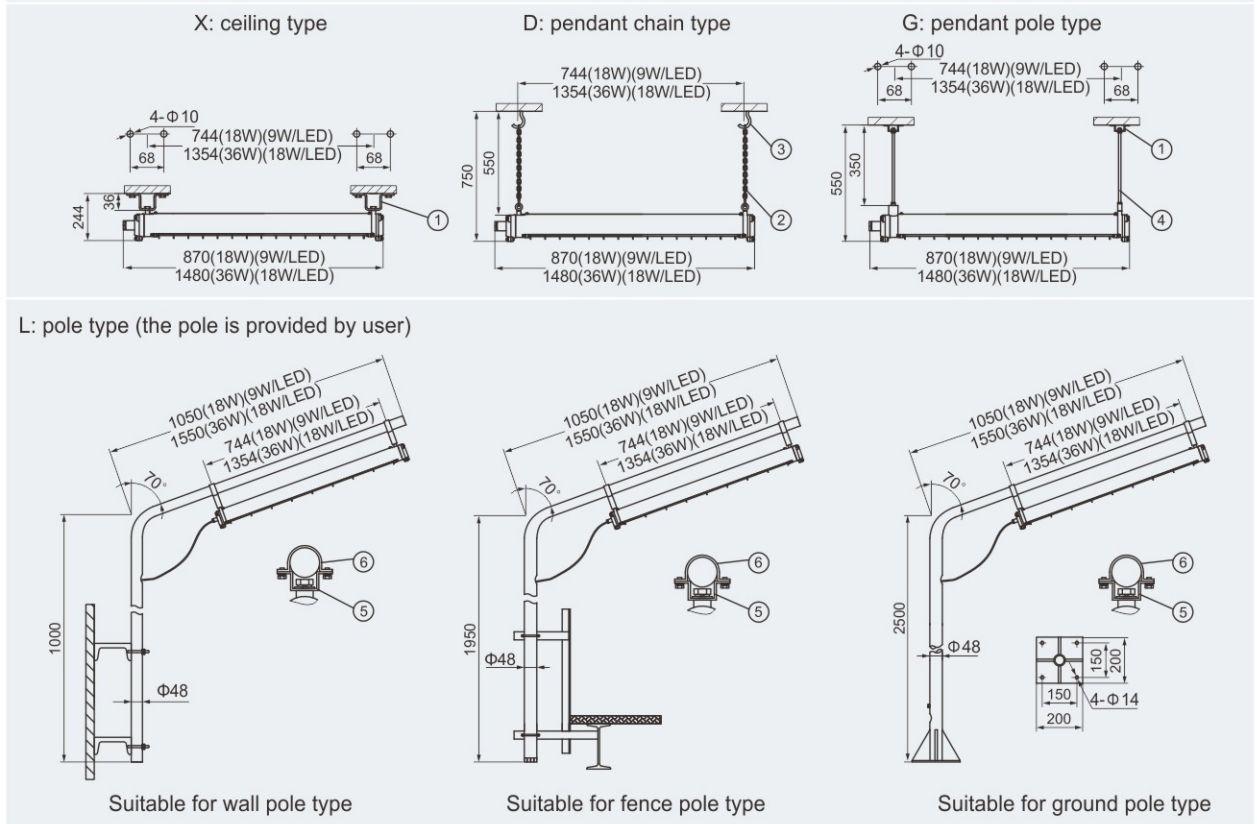
We can provide lighting design and data by professional lighting software DIALUX based upon simulated site situation on request.

Light Fittings for Fluorescent Lamp

HRYS2 Series Explosion-proof Light Fittings for Fluorescent Lamp

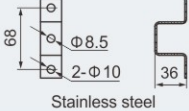
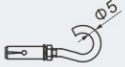
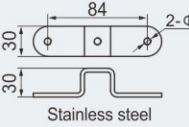
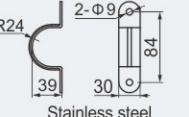
Mounting type for light fittings with single lamp tube (all dimensions in mm) - subject to alteration

Installation reference



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		51S01G1	0.04
	②.Chain	2	Length: 450mm	5136016	0.08
D: pendant chain type	③.Hook expansion bolt	2		52017	0.03
	④.M8 Screw	2	Stainless steel, length: 350mm	51S01G2	0.12
G: pendant pole type	⑤.Mounting bracket	2		5136012	0.04
	⑥.G1 1/2" Pipe clamp	2		5136014	0.04

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

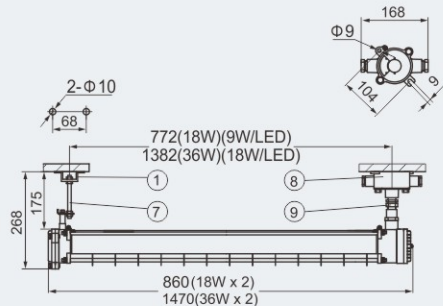
Light Fittings for Fluorescent Lamp

HRY52 Series Explosion-proof Light Fittings for Fluorescent Lamp

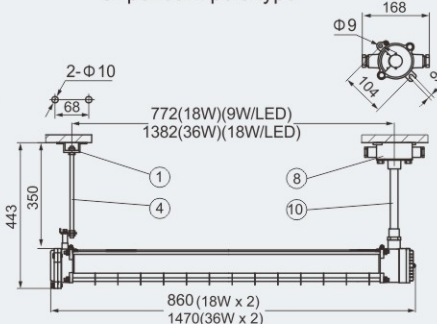
Mounting type for light fittings with dual lamp tube (all dimensions in mm) - subject to alteration

Installation reference

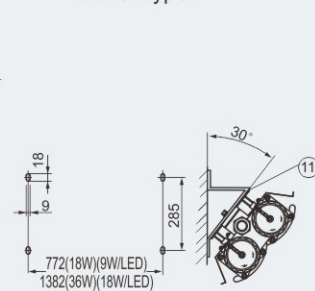
X: ceiling type



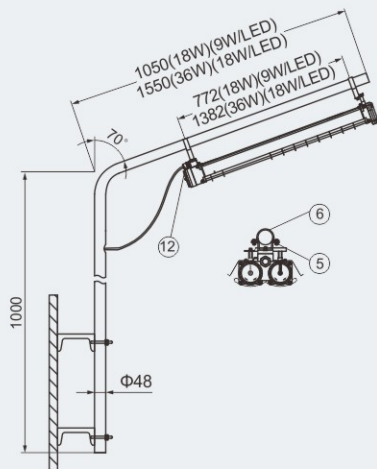
G: pendant pole type



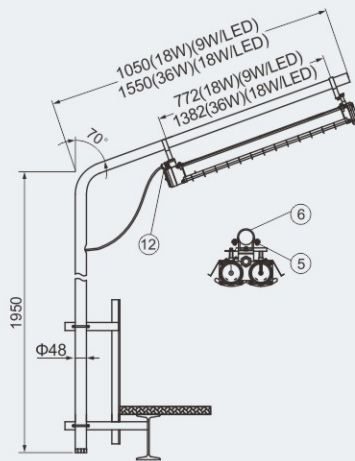
B: wall type



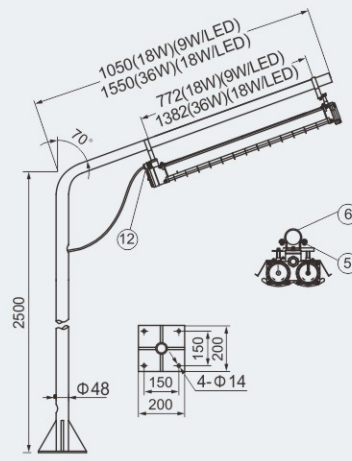
L: pole type (the pole is provided by user)



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.