BC5401 Series
Explosion proof Tube Light

LED

IP66

-40°C

+50°C

ATEX Ex Marking:
Ⓔ II 2 GD
Ex de II B T6 Gb
Ex tb IIIC T80℃ Db
Standard: GB3836.1, GB3836.2
EN60079-0:2009, EN60079-1:2007,
EN60079-31:2009
IEC60079-0:2007, IEC60079-1:2007,
IEC60079-31:2008

Application

■ It can be widely used in petrochemical plants, oil platforms, oil pump housing, transit stations and other flammable and explosive places as fixed lighting.

■ Gas explosive environment：Group IIA、IIB、IIC.

■ Zone1, Zone2; Zone21, Zone22.

Characteristics

■ It is made using a special aluminum housing, anti-corrosion performance than 304 stainless steel, suitable for long-term highly corrosive environment of offshore platforms, chlor-alkali, hydrogen sulfide, etc.

■ The anti corrosion, abrasion proof, power coated cover which is dust proof, water proof, make the lamp an excellent option for all kinds of high environment.

■ All 304 stainless steel bracket screw (customizable 316), can effectively guarantee the long-term strength and strong corrosion problems of lamps.

■ Terminals are provided at both ends, can be directly wired in parallel, eliminating the junction box and installation costs.

■ A variety of installation as optional：ceiling, oil derrick, the side walls, curved rods, boom, etc.

Technical Specification

Item	Technical specification		Remark
Light source	LED	Fluorescent lamp	T8 LED lamp, T5 fluorescent lamp
Rated power	2×20W、2×10W	2×28	
Input voltage range	100-240VAC	220~240VAC, 110VAC	
Input frequency	50/60Hz	50/60Hz	
The entire lighting efficiency	70lm/W	60lm/W	
Light source efficiency	90lm/W	70lm/W	
CRI (Ra)	80	70	
Service life (h)	>50000	>20000	The light fades less than 30% of the initial value
Color Temperature	5300K-6000K	4000K	2700-6000K is available as order for LED Tube
Drop cable	Φ10mm-Φ14mm	Φ10mm-Φ14mm	G3/4", NPT3/4", M25 is available as order
Terminals	Multi-strand wire:≤2.5mm²		
	Single-strand wire：≤4mm²		
Dimensions (mm)	1390mm	1390mm	2×20W
	780mm		2×10W
Net weight (kg)	11Kg	11Kg	2×20W
	7.5Kg		2×10W

Light distribution curve
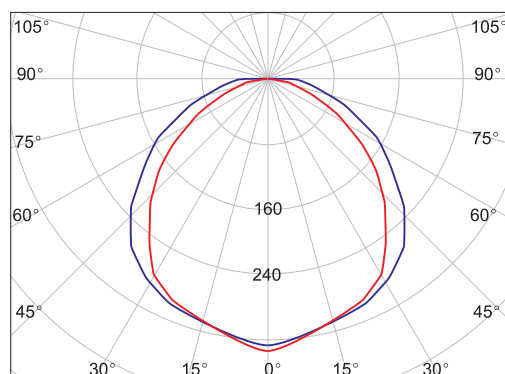
2x20W LED Tube

— 0°
— 90°

Drawing of dimension (Dimensions in mm)

Ceiling-mounted
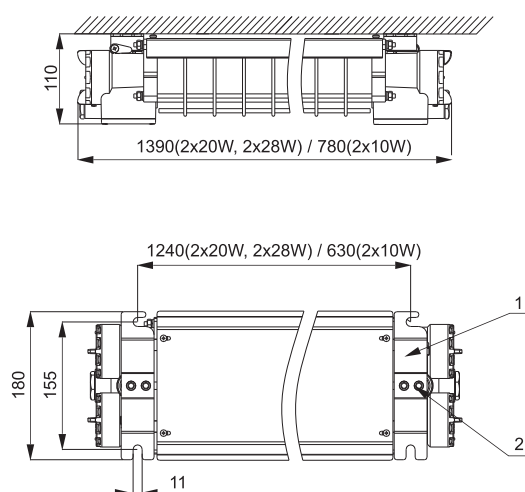
110

1390(2x20W, 2x28W) / 780(2x10W)

1240(2x20W, 2x28W) / 630(2x10W)

180 155

11

Lamps Ordering Information

Order No.	Installation	Lamp power	Light source
BC5401L10A		2 × 10W	LED
BC5401L20A	Ceiling	2 × 20W	LED
BC5401L28A		2 × 28W	Fluorescent Lamp

Fitting Ordering Information (Standard)

Order No.	No.	Specifications Model	Quantity
P08	1	Ceiling Bracket	2
	2	M6 Bolt	4

Drawing of dimension (Dimensions in mm)

Derrick installation
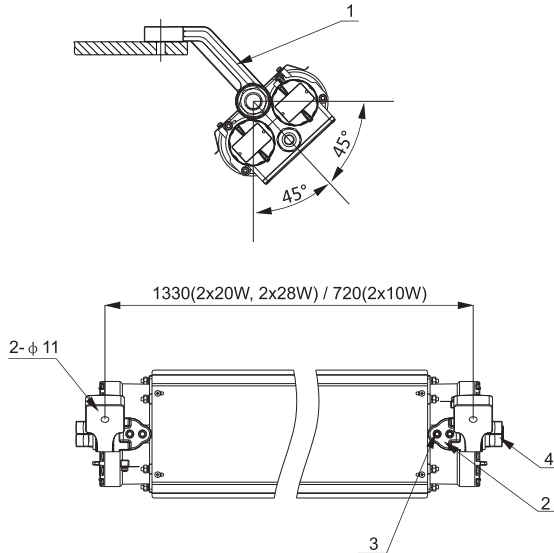
Lamps Ordering Information

Order No.	Installation	Lamp power	Light source
BC5401L10A	Derrick type	2 × 10W	LED
BC5401L20A		2 × 20W	LED
BC5401L28A		2 × 28W	Fluorescent Lamp

Fitting Ordering Information (Standard)

Order No.	No.	Specifications Model	Quantity
P09	1	Derrick bracket	2
	2	Base	2
	3	M6 Bolt	4
	4	M24 Bolt	2

Sidewall installation
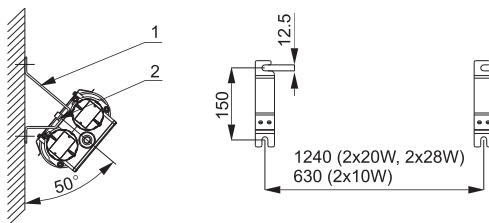
Lamps Ordering Information

Order No.	Installation	Lamp power	Light source
BC5401L10A	Sidewall type	2 × 10W	LED
BC5401L20A		2 × 20W	LED
BC5401L28A		2 × 28W	Fluorescent Lamp

Fitting Ordering Information (Standard)

Order No.	No.	Specifications Model	Quantity
P10	1	Sidewall bracket	2
	2	M6 Bolt	4

Pole mounting
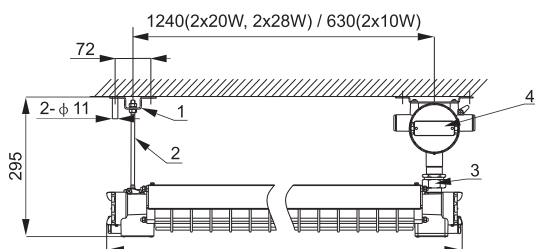
Lamps Ordering Information

Order No.	Installation	Lamp power	Light source
BC5401L10A	Pole mounting	2 × 10W	LED
BC5401L20A		2 × 20W	LED
BC5401L28A		2 × 28W	Fluorescent Lamp

Fitting Ordering Information (Standard)

Order No.	No.	Specifications Model	Quantity
P13	1	Pole mounting bracket	1
	2	19cm Screw(M8)	1
	3	Adaptere (external-external)	1
	4	Explosion proof junction box	1
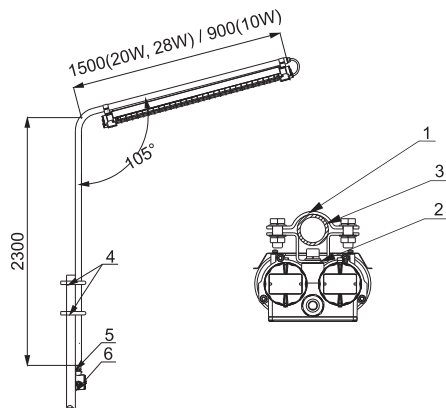
Rod mounting

Lamps Ordering Information

Order No.	Installation	Lamp power	Light source
BC5401L10A		2 × 10W	LED
BC5401L20A	Rod	2 × 20W	LED
BC5401L28A		2 × 28W	Fluorescent Lamp

Fitting Ordering Information (Standard)

Order No.	No.	Specifications Model	Quantity
P11	1	Upper hoop	2
	2	Under hoop	2
P12	3	DN32 Poles	1
	4	U tube clip	2
P02	5	Adaptere (external-external)	1
	6	Explosion proof junction box	1