

APPLICATIONS

Suitable for flood-lighting of hazardous locations in Zone 2, such as offshore platforms, oil fields, drilling sites, refinery plants and chemical plants.



BFC(BFE)8411 EXPLOSION-PROTECTED (EMERGENCY) LED FLOODLIGHT

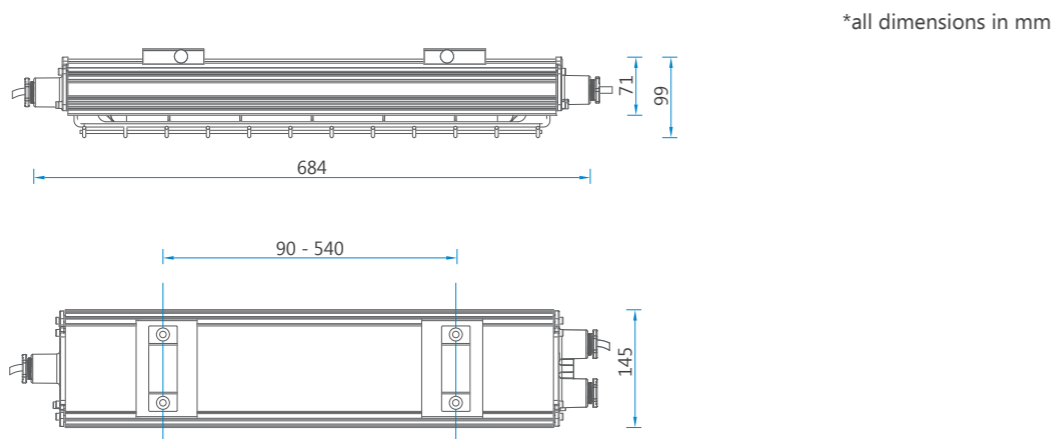


- Alloy made enclosure
- Degree of protection: IP 67
- High reliability for long time use
- Suitable for ceiling mounting, derrick mounting, wall mounting, pendant mounting and clamp mounting
- Duration of emergency version: 60 minutes



Zone 2	140 lm / W	60 Min Duration of emergency	IP 67				
---------------	----------------------	--	--------------	--	--	--	--

DIMENSION DRAWINGS

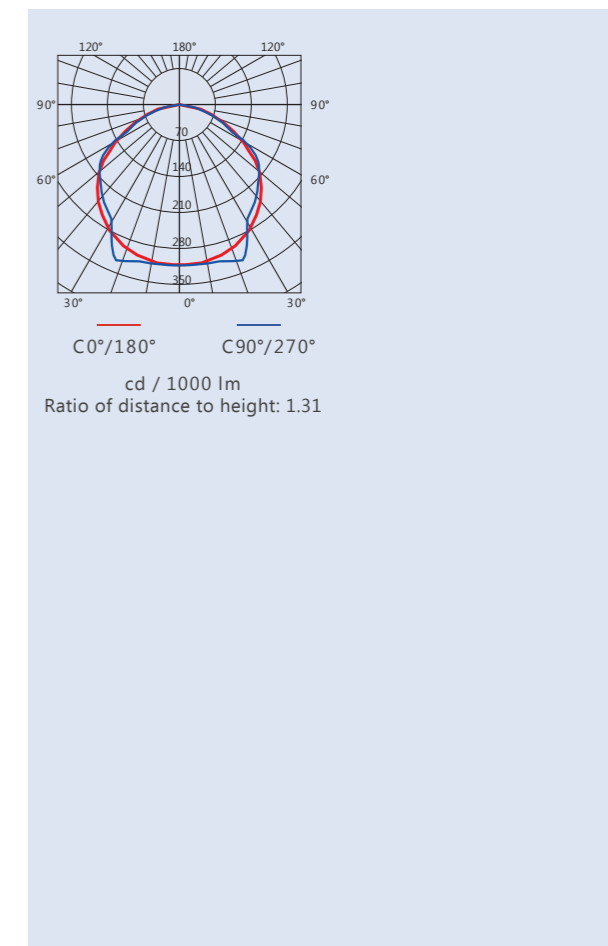


TECHNICAL DATA

Certification	International approvals: ATEX, IECEX, CB, CCC, CNEX
	Coding: Ex ec mb IIC T4 Gc
Conformity to standards	IEC 60079 / IEC 60598
Material	Body material: Aluminum alloy with epoxy powder coating
	Diffuser: Polycarbonate
Light source	Wattage: 50 W
	Type: LED
	Luminous efficiency: 140 lm / W
	Life: 100000 h
Rated voltage	220 V - 240 V AC 50 Hz / 60 Hz
	110 V AC 50 Hz / 60 Hz
Class of insulation	Class I
Degree of protection	IP 67
Operating temperature	-40 °C to +55 °C
Cable entry	G3/4
Corrosion-proof class	WF2
Emergency	Battery voltage: 12 V DC
	Battery capacity: 1.2 Ah
	Emergency power: >5 W
	Duration: >60 min

PHOTOMETRIC DATA

BFC8411 / BFE8411 50 W
LED photometric data
Luminous intensity distribution cd / 1000 lm



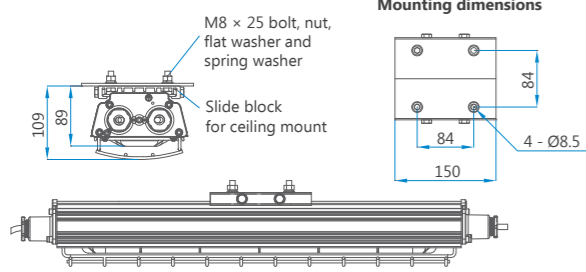
We can provide lighting design and data by professional lighting software based upon simulated site situation on request.

SELECTION TABLE

Model	Lamp power (W)	Lamp type	Operating current (A)	Color temperature (K)	Weight (kg)
BFC8411/50/LED	50	LED	0.7	5000 - 7100	5.8
BFE8411/50/LED	50	LED	0.7	5000 - 7100	6.6

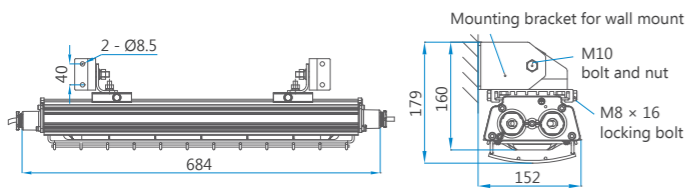
MOUNTING TYPE

Ceiling mount



Accessories				
No.	Name	Spec.	Qty.	Remark
1	Three-core cable	Ø8 - Ø14	Determined by user	Provided by user
2	Ceiling mounting assembly		1	Provided by manufacturer
3	Sealing ring 1		2	
4	Sealing ring 2	Ø9 - Ø10	2	
5	Sealing ring 3	Ø11 - Ø12	2	
6	Sealing ring 4	Ø13 - Ø14	2	
7	Washer		2	
8	Gland nut		3	
9	Wire guard assembly		1	
10	Fall prevention chain assembly		1	
11	Explosion-protected cable gland assembly (2 pcs)		1	
12	Explosion-protected cable gland assembly (1 pcs)		1	

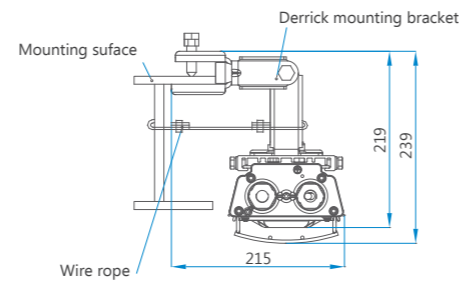
Wall mount



Accessories				
No.	Name	Spec.	Qty.	Remark
1	Expansion bolt (with nut, flat washer and spring washer)	M8	4	Provided by user
2	Three-core cable	Ø8 - Ø14	Determined by user	Provided by manufacturer
3	Wall mounting assembly		2	
4	Sealing ring 1		2	
5	Sealing ring 2	Ø9 - Ø10	2	
6	Sealing ring 3	Ø11 - Ø12	2	
7	Sealing ring 4	Ø13 - Ø14	2	
8	Washer		2	
9	Gland nut		3	
10	Wire guard assembly		1	Accessories should be ordered separately.
11	Fall prevention chain assembly		1	
12	Explosion-protected cable gland assembly (2 pcs)		1	
13	Explosion-protected cable gland assembly (1 pcs)		1	

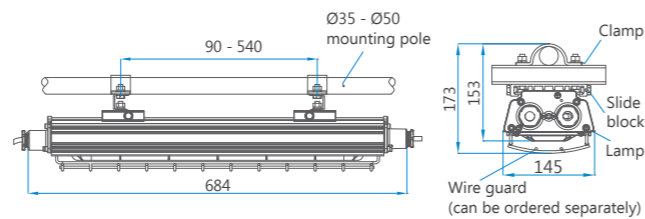
Derrick mount

*all dimensions in mm



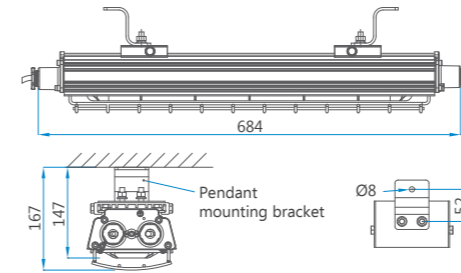
Accessories				
No.	Name	Spec.	Qty.	Remark
1	Three-core cable	Ø8 - Ø14	Determined by user	Provided by user
2	Derrick mounting assembly		2	Provided by manufacturer
3	Sealing ring 1		2	
4	Sealing ring 2	Ø9 - Ø10	2	
5	Sealing ring 3	Ø11 - Ø12	2	
6	Sealing ring 4	Ø13 - Ø14	2	
7	Washer		2	
8	Gland nut		3	
9	Wire guard assembly		1	
10	Fall prevention chain assembly		1	
11	Explosion-protected cable gland assembly (2 pcs)		1	
12	Explosion-protected cable gland assembly (1 pcs)		1	

Clamp mount



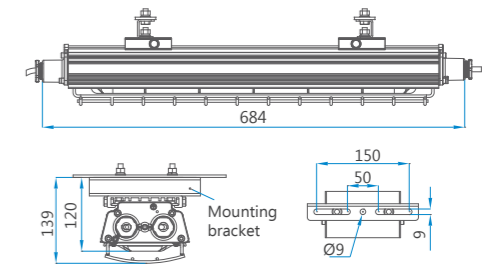
Accessories				
No.	Name	Spec.	Qty.	Remark
1	Mounting pole	Ø35 - Ø50	1	Provided by user
2	Three-core cable	Ø8 - Ø14	Determined by user	Provided by manufacturer
3	Clamp mounting assembly		2	
4	Sealing ring 1		2	
5	Sealing ring 2	Ø9 - Ø10	2	
6	Sealing ring 3	Ø11 - Ø12	2	
7	Sealing ring 4	Ø13 - Ø14	2	
8	Washer		2	
9	Gland nut		3	
10	Wire guard assembly		1	Accessories should be ordered separately.
11	Fall prevention chain assembly		1	
12	Explosion-protected cable gland assembly (2 pcs)		1	
13	Explosion-protected cable gland assembly (1 pcs)		1	

Pendant mount



Accessories				
No.	Name	Spec.	Qty.	Remark
1	Expansion bolt (with nut, flat washer and spring washer)	M8	2	Provided by user
2	Three-core cable	Ø8 - Ø14	Determined by user	Provided by manufacturer
3	Pendant mounting assembly		2	
4	Sealing ring 1		2	
5	Sealing ring 2	Ø9 - Ø10	2	
6	Sealing ring 3	Ø11 - Ø12	2	
7	Sealing ring 4	Ø13 - Ø14	2	
8	Washer		2	
9	Gland nut		3	
10	Wire guard assembly		1	Accessories should be ordered separately.
11	Fall prevention chain assembly		1	
12	Explosion-protected cable gland assembly (2 pcs)		1	
13	Explosion-protected cable gland assembly (1 pcs)		1	

Ceiling mount (with mounting bracket)



Accessories				
No.	Name	Spec.	Qty.	Remark
1	Expansion bolt (with nut, flat washer and spring washer)	M8	4	Provided by user
2	Three-core cable	Ø8 - Ø14	Determined by user	Provided by manufacturer
3	Ceiling mounting (with mounting bracket) assembly		2	
4	Sealing ring 1		2	
5	Sealing ring 2	Ø9 - Ø10	2	
6	Sealing ring 3	Ø11 - Ø12	2	
7	Sealing ring 4	Ø13 - Ø14	2	
8	Washer		2	
9	Gland nut		3	
10	Wire guard assembly		1	Accessories should be ordered separately.
11	Fall prevention chain assembly		1	
12	Explosion-protected cable gland assembly (2 pcs)		1	
13	Explosion-protected cable gland assembly (1 pcs)		1	

SPARE PARTS

Name	Picture	Ordering code	Weight (kg)
Light source		1311010278	0.13
LED driver - 50 W		1333010024	0.43
Emergency light source		1311010279	0.13
Emergency LED driver - 50 W		1333010025	0.70
Battery		1304010112	0.40