

# LED LINEAR LIGHTING FIXTURES 02

## FLBL



**FLAMEPROOF  
ZONE 1,2,21,22**

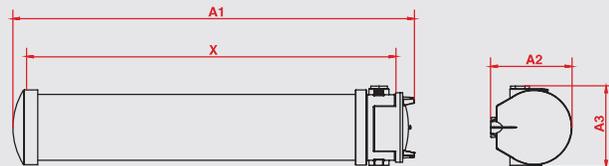


### SPECIFICATION

TYPE	FLBL
HAZARDOUS AREA ZONE	Zone 1 - Zone 2 (Gas)      Zone 21 - Zone 22 (Dust)
MARKING	Ex II 2 G D      Ex db op is IIC T6 Gb      Ex db IIC T6 Gb Ex op is tb IIIC T85°C Db      Ex tb IIIC T85°C Db
STANDARDS	EN IEC 60079-0    EN 60079-1    EN 60079-28    EN 60079-31
EU-TYPE EXAMINATION CERTIFICATE	IMQ 20 ATEX 001X
INGRESS PROTECTION	IP66
LIGHT SOURCE	LED Board
ENCLOSURE MATERIAL	Aluminum alloy / Stainless Steel (304/316)
ENCLOSURE FINISH (DOOR/BODY)	RAL7032/RAL7043 (Other colors are available on request)
PROTECTIVE COVER/BOWL	Tempered Borosilicate Glass
AMBIENT TEMPERATURE	-30° to + 55°
RATED VOLTAGE	175~265 VAC ( 105~265 VAC only for FLBL220, 28w)
POWER FACTOR	> 0.95
CURRENT THD	< 10
FREQUENCY	50/60 Hz
ENTRIES	Direct Entries, 2 * M20 (Other threads are available on request )
EARTHING	External M5 Earth Stud
EMC PROTECTION	Yes
CONNECTING TERMINAL	L, N, PE (0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> ) / L, L, N, N, PE, PE (0.5 mm <sup>2</sup> - 2.5 mm <sup>2</sup> ) for through wiring versions
DRIVE	Electronic Drive
OPERATING CONDITION	Indoor/Out door
COLOR TEMPERATURE	neutral white 5000k (3000k / 6500k are available on request)
COLOR RENDERING INDEX	RA> 80
ORDERING DETAILS:	Cover Plate Wire Guard Cable Gland / Stopping Plug Installation kit for surface, pole, ceiling and suspension mounting Cable through wiring system Battery, 3.6V 1100mA Ni Cd, 1.5h / with Safety Switch (3 hour Duration available on request) Three-layer painting system for use in corrosive environment

### FLBL 220 DIMENSIONS (MM)

A1: 730  
X: 669  
A2: 148  
A3: 148



### FLBL 240 DIMENSIONS (MM)

A1: 1331  
X: 1270  
A2: 148  
A3: 148



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## FLBL



### FLBL 220

TYPE	APPLICATION	LUMINOUS FLUX	POWER CONSUMPTION (± 10 %)	RATED CURRENT
FLBL220 (28W)	NORMAL BEAM	3800 LM	28W	0.13A
FLBL220 NI (28W)	NORMAL BEAM, WITH BATTERY	3800 LM	28W	0.13A
FLBL220 (34W)	WIDE BEAM	5800 LM	34W	0.16A
FLBL220 NI (34W)	WIDE BEAM, WITH BATTERY	5800 LM	34W	0.16A
FLBL220 (64W)	WIDE BEAM	10,500 LM	64W-2X	0.3A
FLBL220 NI (64W)	WIDE BEAM, WITH BATTERY	10,500 LM	64W-2X	0.3A
FLBL220 (31W)	NARROW BEAM	5,100 LM	31W	0.13A
FLBL220 NI (31W)	NARROW BEAM , WITH BATTERY	5,100 LM	31W	0.13A
FLBL220 (61W)	NARROW BEAM	9,500 LM	61W-2X	0.26A
FLBL220 NI (61W)	NARROW BEAM , WITH BATTERY	9,500 LM	61W-2X	0.26A
FLBL220 (33W)	STREET	5,400 LM	33W	0.14A
FLBL220 (63W)	STREET	9,600 LM	63W-2X	0.27A

### FLBL 240

TYPE	APPLICATION	LUMINOUS FLUX	POWER CONSUMPTION (± 10 %)	RATED CURRENT
FLBL240 (42W)	NORMAL BEAM	6500 LM	42W	0.18A
FLBL240 NI (42W)	NORMAL BEAM, WITH BATTERY	6500 LM	42W	0.18A
FLBL240 (54W)	WIDE BEAM	9500 LM	54W	0.25A
FLBL240 NI (54W)	WIDE BEAM, WITH BATTERY	9500 LM	54W	0.25A
FLBL240 (104W)	WIDE BEAM	18,000 LM	104W-2X	0.49A
FLBL240 NI (104W)	WIDE BEAM, WITH BATTERY	18,000 LM	104W-2X	0.49A
FLBL240 (41W)	NARROW BEAM	6,500 LM	41W	0.18A
FLBL240 NI (41W)	NARROW BEAM , WITH BATTERY	6,500 LM	41W	0.18A
FLBL240 (51W)	NARROW BEAM	8,000 LM	51W	0.22A
FLBL240 NI (51W)	NARROW BEAM , WITH BATTERY	8,000 LM	51W	0.22A
FLBL240 (101W)	NARROW BEAM	15,000 LM	101W-2X	0.44A
FLBL240 NI (101W)	NARROW BEAM , WITH BATTERY	15,000 LM	101W-2X	0.44A
FLBL240 (43W)	STREET	6,800 LM	43W	0.19A
FLBL240 (53W)	STREET	8,300 LM	53W	0.23A
FLBL240 (103W)	STREET	16,000 LM	103W-2X	0.45A

DIAGRAM  
FLBL 220 (28W)  
NORMAL BEAM

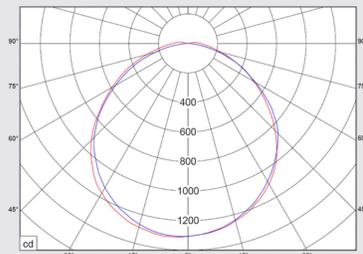


DIAGRAM  
FLBL 220 (34W)  
WIDE BEAM

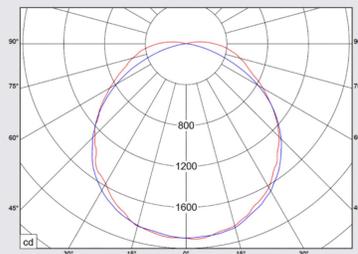


DIAGRAM  
FLBL 240 (42W)  
NORMAL BEAM

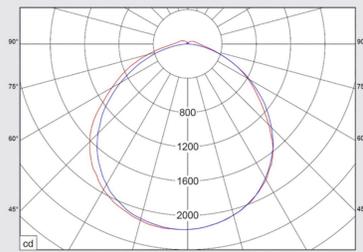


DIAGRAM  
FLBL 240 (54W)  
WIDE BEAM

