

DF1013 / DF104 / DS-14



TECHNICAL DATA type DF1013

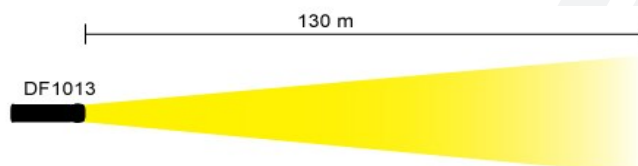
Apparatus category:	II 1G
Marking of explosion protection:	Ex ia IIC T4 Ga
Ambient temperature:	-20 °C ≤ T _a ≤ +40°C
Degree of protection:	IP 68
Luminous flux:	60 lm
Length of light beam:	130 m
Battery:	4x AA type
Autonomy:	app. 14 hours
Weight:	100 g (without battery)
Dimension:	175x45x45 mm



Push Button



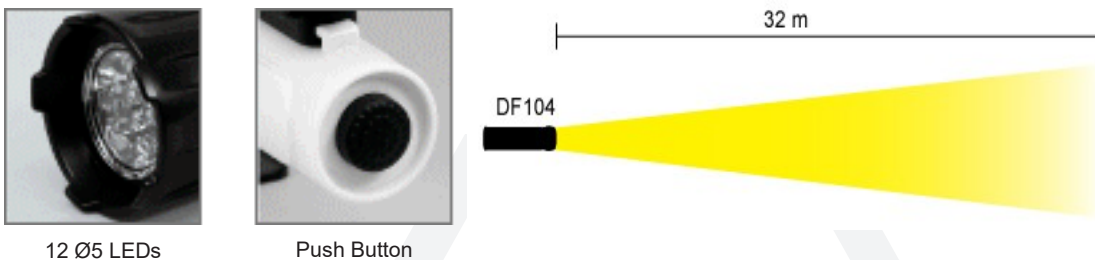
LED



- For inspection and maintenance work

TECHNICAL DATA type DF104

Apparatus category:	II 1G
Marking of explosion protection:	 Ex ia IIC T4 Ga
Ambient temperature:	-20 °C ≤ T _a ≤ +40°C
Degree of protection:	IP 68
Luminous flux:	43 lm
Length of light beam:	32 m
Battery:	3x C type
Autonomy:	app. 70 hours
Weight:	190 g (without battery)
Dimension:	220x60x85 mm



TECHNICAL DATA type DS-14 (headlamp)

Apparatus category:	II 1G
Marking of explosion protection:	 Ex ia IIC T4 Ga
Ambient temperature:	-20 °C ≤ T _a ≤ +40°C
Degree of protection:	IP 67
Luminous flux:	75 lm / low mode , 150 lm / High mode
Length of light beam:	75 m / 100 m
Battery:	3x AAA type
Autonomy:	app. 4 hours
Weight:	145 g (without battery)
Dimension:	80x50x45 mm



HELMET MOUNTABLE



RUBBERISED BUTTON



SMOOTH REFLECTION



LOCKING BATTERY COMPARTMENT

Zone



LED

IP 54



- For inspection and maintenance work
- DF 2001 is a rechargeable flashlight which designed with ergonomics pistol grip for comfortable hold and lithium ion battery allows the flashlight to run for 9 hours of continuous use on high mode.

DF2001 / SF-14



CONSTRUCTION

Aluminum heat sink to enhance LED efficiency.
Designed reflector for long distance lighting.
Tough and durable casing.
High impact lens.
Ergonomics handle design.

TECHNICAL DATA type DF2001

Apparatus category:	II 1G I M1
Marking of explosion protection:	Ex ia op is IIC T4 Ga I M1 Ex ia op is I Ma
Ambient temperature:	-20 °C ≤ T _a ≤ +40°C
Degree of protection:	IP 54
Mode:	High/ Middle/ Low/Off
Light Output :	(H)222 lm / (M)69 lm / (L)11 lm
Lenght of light beam:	(H)270 m / (M)240 m / (L)110 m
Battery:	2*2200 mAh 18650 Li-Batteries
Autonomy:	H:4 hrs15 min / M:14 hrs / L: 82 hrs
Weight:	1,2 kg
Dimension:	256x136x170 mm



Rechargeable flashlight/ torchlight

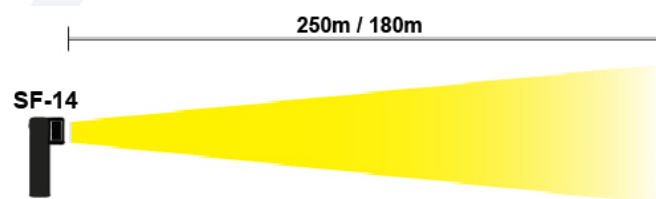


CONSTRUCTION

Air free heat shrink design to enhance LED heat dissipation
With stainless belt/ pocket clip
Valve design to help hydrogen gas released

TECHNICAL DATA type SF-14

Apparatus category:	II 1G I M1
Marking of explosion protection:	 Ex ia IIC T4 Ga Ex ia I Ma
Ambient temperature:	-20 °C ≤ T _a ≤ +40°C
Degree of protection:	IP 54
Mode:	High/Low/ Off
Light Output :	(H)323 lm / (L) 140 lm
Lenght of light beam:	(H)250 m / (L)180 m
Battery:	2*AA
Autonomy:	H:6 hrs 30 min / L: 13 hrs
Weight:	250 g
Dimension:	183x69x63 mm



All technical data is relevant at the time of print.

LED

IP 66



PLFS 50 LED PR



- High color rendering index CRI 80
- Estimated service life 50 000 hours
- With OVP, OCP, OTP protection
- Autonomous reactivation after recovery
- Junction box, connection cable (20 m, 50 m), Ex socket/plug (on request)

CONSTRUCTION

Enclosure: aluminium painted casting
 Diffuser: borosilicate glass,
 Accessories: protected galvanized steel grid
 Gasket: silicon

TECHNICAL DATA

Certificate:	FIDI 19 ATEX 0030
Marking:	CE 0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex db eb op is IIC T6/T5 Gb Ex tb op is IIIC T80°C/T85°C Db
Ambient temperature:	$-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	90 - 305 VAC 127 - 431 VDC
Frequency:	50 / 60 Hz
Rated power:	60 W
Luminous flux:	7 600 lm
Weight:	8,5 kg

