

D-Star v2



LED Warning light mono-battery.

Unbreakable lens.

Works with 1 or 2 **6V 4R25** batteries.

Easy to replace battery. Antitheft metal bracket included.

Other colours on request.



Model	D-Star 2 →				FlashLED	Super FlashLED	
Approved EN 12352	L6	L7	L7	L7	L8G	L8L	
LED colour	●●	●	●●	●	●/●●	●	
Operating time in hours with 2 batteries	7Ah	800	1000	250	500	400 / 200	300
	25Ah	2800	3300	900	1800	1500 / 750	1100
	50Ah	4500	6600	1800	3600	3000 / 1500	2200
Dimensions	195 x 380 x 95 mm						

Multifunction Key



LED Warning lights

Unbreakable lens. Works with 1 **6V 4R25** Battery.

Metal bracket, rechargeable version and other colours on request.

D-Solo



Model	D-Solo				
Approved EN 12352	L6	L7	L7	L7	
LED colour	●●	●	●●	●	
Operating time in hours with 1 battery	7 Ah	400	500	130	250
	25 Ah	1400	1700	450	900
	50 Ah	2300	3300	900	1800
Dimensions	195 x 360 x 105 mm				

D-Solo

TECHNICAL FEATURES



Description

LED warning light for roadworks, suitable for outdoors use. Compliant with EN 12352 standard. Option: supplied with anti-theft bracket (*).

OPTICAL FEATURES

Light source	1 LED	2 LEDs
EN12352 class	L7	L6
Optics	Single-sided	Double-sided
Colors	Amber (flashing light); Red (steady light)	

ELECTRICAL FEATURES

Power supply	6V 4R25 battery
Autonomy (steady light)	130 h with 7 Ah battery
Autonomy (50% flashing)	260 h with 7 Ah battery
Switches	ON/OFF with twilight function
Insulation class	Class III

MECHANICAL FEATURES

Material	Polycarbonate (Lens); PA6 (Body)
Dimensions	195 x 360 x 105 mm
Weight	500 g (bracket and batteries not included)
Operating temperature	-10 ° C ÷ 55 ° C
Fixing	* Anti-theft bracket for poles max Ø 80 mm



ON/OFF with twilight function

Rev. 3.0

08/09/2023

Approved TEC

Approved AQ

Dall'esperienza ventennale in sperimentazione e sviluppo di tecnologie fotovoltaiche nasce D1-Solar Hybrid, una lampada da cantiere innovativa in grado di unire performance e responsabilità ambientale.

Il meglio delle due alimentazioni.

D1-Solar Hybrid è dotata di una doppia alimentazione, **fotovoltaica (con batteria al litio) e con batteria 4R25**. Il sistema alterna automaticamente tra l'una e l'altra per offrire il meglio in termini di potenza, efficienza e autonomia.

Sempre pronta all'uso: la possibilità di impiego anche della batteria tradizionale consente di utilizzare la lampada subito senza attendere la ricarica solare.

Autosufficiente: nella versione crepuscolare la D1-Solar Hybrid è completamente autonoma, e può funzionare fino a 5 anni senza la necessità di sostituire la batteria al litio interna.

Maggiore autonomia: nelle versione potenziata o radio, che funzionano 24h, l'alimentazione fotovoltaica permette di triplicare la normale autonomia della batteria non ricaricabile.

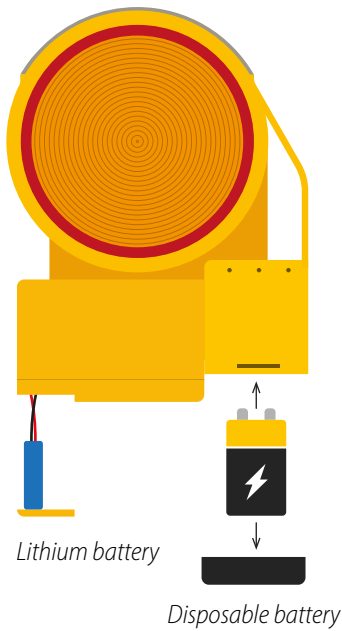


Ottica	monofociale o bifacciale
Modulo fotovoltaico	800 mW
Batteria interna al Litio	4,5 Ah - 3,2 V
Modalità di fissaggio	<ul style="list-style-type: none"> • palo 60 mm • palo 48 mm • pannello bianco/rosso • staffe a baionetta

Pannello segnaletico	
Dimensioni	290 x 1330 x 50 mm
<ul style="list-style-type: none"> • Senza pellicola • Con pellicola bifacciale EG classe 1 • Con pellicola bifacciale HI classe 2 	



Base in gomma riciclata	
Dimensioni	800 x 400 x 120 mm
Peso	27 kg ±15%



Quick Start mode

D1-Solar Hybrid L6 - L7

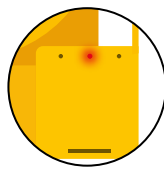
D1-Solar Hybrid

D1-Solar Hybrid Radio sequence

This is how the D1 Solar Hybrid L6 and L7 lamps work **with twilight function** (night only): yellow, red, single-sided and double-sided.

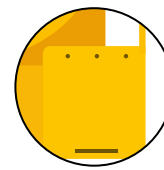
The lamp only needs a disposable battery to start if the built-in lithium battery is flat, after that it is completely autonomous and does not require further battery changes.

It does not need a disposable battery to operate, so we recommend the use of **flow amperage disposable batteries**.



LED ON

Disposable battery in operation

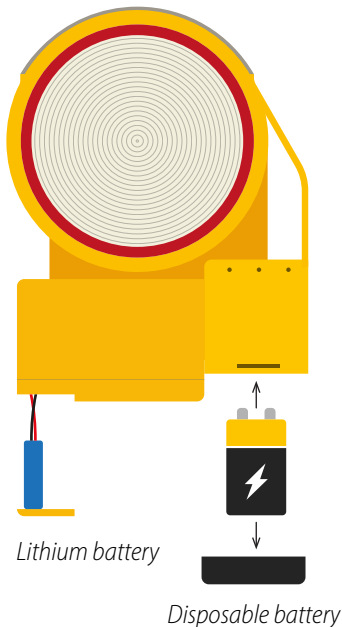


LED OFF

Lithium battery in operation

Disposable battery until exhaustion

Photovoltaic with lithium battery



Combo mode

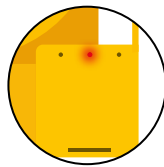
D1-Solar Hybrid FlashLED L8G - Radio L8L

D1-Solar Hybrid

D1-Solar Hybrid Radio sequence

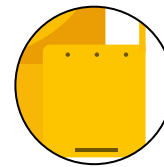
This is how the D1 Solar Hybrid L8G and Radio L8L lamps operate, **with day and night function** (single-sided only).

The lamp **works only if a disposable battery is also inserted**, the solar panel and the lithium battery are not sufficient to guarantee the functioning of the lamp but they help increasing the autonomy of the disposable battery, therefore the use of **disposable batteries with high amperage** is recommended.



LED ON

Disposable battery in operation



LED OFF

Lithium battery in operation

Disposable battery

Photovoltaic with lithium battery

Disposable battery



Photovoltaic with lithium battery

mini **D-Lite**

LED Warning Light.

*Imported model not in compliance with **EN 12352**.*

Metal Bracket on request



Model		Mini D-Lite	
Certification	CE	(Non compliance EN 12352)	
LED colour			
Operating time in hours with 2 battery	7 Ah	700	260
Dimensions	185 x 330 x 90 mm		



LED Warning Light.

*Imported model not in compliance with **EN 12352**.*

With Metal Bracket.

Model		Mono D-Lite	
Certification	CE	(Non compliance EN 12352)	
LED colour			
Operating time in hours with 1 battery	7 Ah	350	130
Dimensions	180 x 330 x 105 mm		

mono **D-Lite**



Mini D-Lite

TECHNICAL FEATURES



Description

Economic LED warning light for roadworks, suitable for outdoors use. Not compliant with EN 12352 standard. Option: supplied with fixing bracket (*).

OPTICAL FEATURES

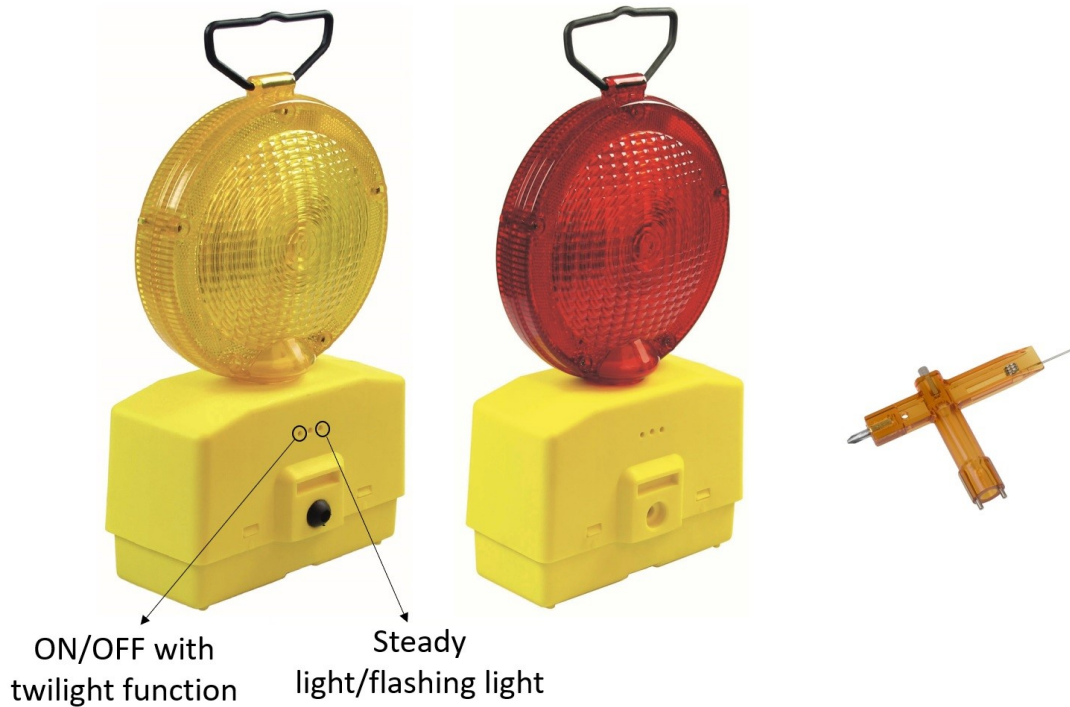
Light source	2 LEDs	
Optics	Double-sided	
Colors	Amber	Red

ELECTRICAL FEATURES

Power supply	1 or 2 6V 4R25 batteries
Current consumption	60 mA
Autonomy (steady light)	200 h with 7 Ah battery
Autonomy (20% flashing)	1000 h with 7 Ah battery
Switches	ON/OFF with twilight function; Steady light/flashing
Appliance class	Class III

MECHANICAL FEATURES

Material	Polyethylene
Dimensions	185 x 330 x 90 mm
Weight	500 g (bracket and batteries not included)
Operating temperature	-10 ° C ÷ 55 ° C
Fixing	* Bracket for poles max Ø 80 mm



Rev. 3.0
06/09/2023

Approved TEC

Approved AQ

Mono D-Lite

TECHNICAL FEATURES



Description

Economic LED warning light for roadworks, suitable for outdoors use. Not compliant with EN 12352 standard. Option: supplied with fixing bracket (*).

OPTICAL FEATURES

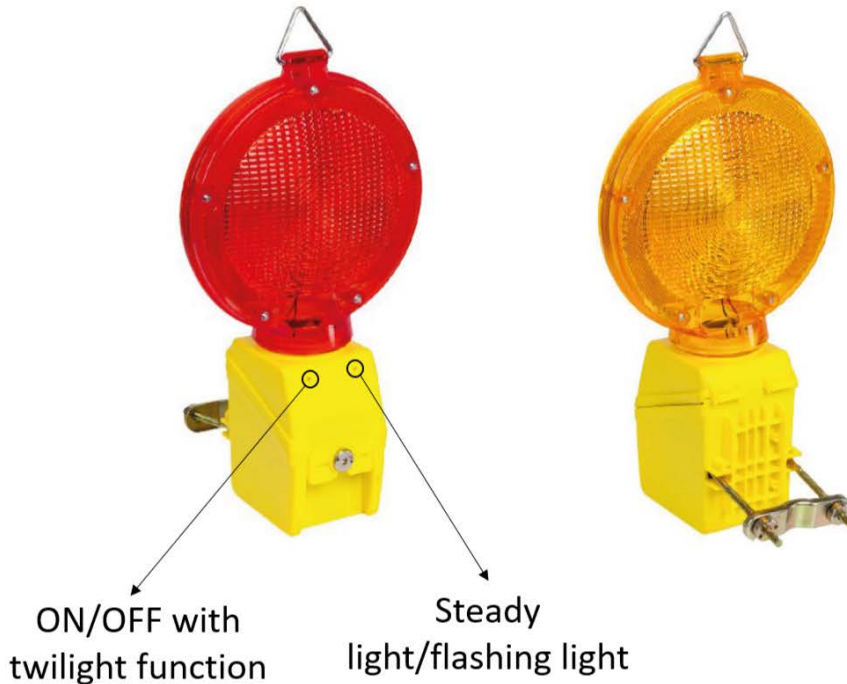
Light source	2 LEDs	
Optics	Double-sided	
Colors	Amber	Red

ELECTRICAL FEATURES

Power supply	6V 4R25 battery
Current consumption	60 mA
Autonomy (steady light)	100 h with 7 Ah battery
Autonomy (20% flashing)	500 h with 7 Ah battery
Switches	ON/OFF with twilight function; Steady light/flashing
Appliance class	Class III

MECHANICAL FEATURES

Material	Polyethylene
Dimensions	180 x 330 x 105 mm
Weight	500 g (bracket and batteries not included)
Operating temperature	-10 ° C ÷ 55 ° C
Fixing	* Bracket for poles max Ø 80 mm



Rev. 3.0 06/09/2023	Approved TEC	Approved AQ
------------------------	--------------	-------------

D2-Basic 210




Advance warning LED lights.

Single flash.

Wide range of settings.

Possibility of twilight function.

Works with 2 batteries 6V 4R25.

Certification EN 12352		L8H - L8M
LED colour		
Operating time in hours with 2/4 batteries	7Ah	150
	50Ah	1000
Dimensions		210 x 370 x 113 mm



D4C-Basic 102




Advance warning LED lights.

Single flash.

Wide range of settings.

Possibility of twilight function.

Works with 4 batteries 6V 4R25.

Model		D4C-Basic 102
Certification EN 12352		L2H
LED colour		
Operating time in hours	4 batt. 7Ah	400
	4 batt. 50Ah	2850
	1 batt. 700Ah	15000
LED light dimensions		Ø 139 x 19 mm
Box dimensions		150 x 165 x 235 mm



D4C-Basic 210




Advance warning LED lights.

Single flash.

Wide range of settings.

Possibility of twilight function.

Works with 4 batteries 6V 4R25.

Model	D4C-Basic 210	
Certification EN 12352	L8H - L8M	
LED colour		
Operating time in hours	4 batt. 7Ah	300
	4 batt. 50Ah	2000
	1 batt. 550Ah	11500 (480 d)
LED light dimensions	Ø 210 x 85 mm	
Box dimensions	150 x 165 x 235 mm	



D4C-Basic 308




Advance warning LED lights.

Single flash.

Wide range of settings.

Possibility of twilight function.

Works with 4 batteries 6V 4R25.

Model	D4C-Basic 308	
Approved EN 12352	L9M	
LED colour		
Operating time in hours	4 batt. 7Ah	110
	4 batt. 50Ah	800
	1 batt. 550Ah	4400 (180 d)
LED light dimensions	Ø 333 x 110 mm	
Box dimensions	150 x 165 x 235 mm	



It is an **advanced modular battery charger** and main element of the CleanPower eco-line, capable of charging up to 6 different devices at the same time. It automatically recognizes the battery voltage and signals the charging state. It is able to independently distinguish and set the charge levels for AGM and lithium-iron-phosphate batteries, and for 6 Vdc and for 12 Vdc batteries.

On the road or at your company

Thanks to the connectors compatible with all the CleanPower line, Hydra allows you to recharge all products both from the vehicle (12/24 Vdc) and from a fixed location (230 Vac).



Input	10 ÷ 30 VDC
Output current	up to 2 A x 6
Output	AGM battery - LiFePO4 6 VDC/ 12 VDC
Connections	cables with connectors compatible with the lines D-Star, D1, D2 e D4



230V mains power supply kit, in IP56 enclosure, available in Class II.

