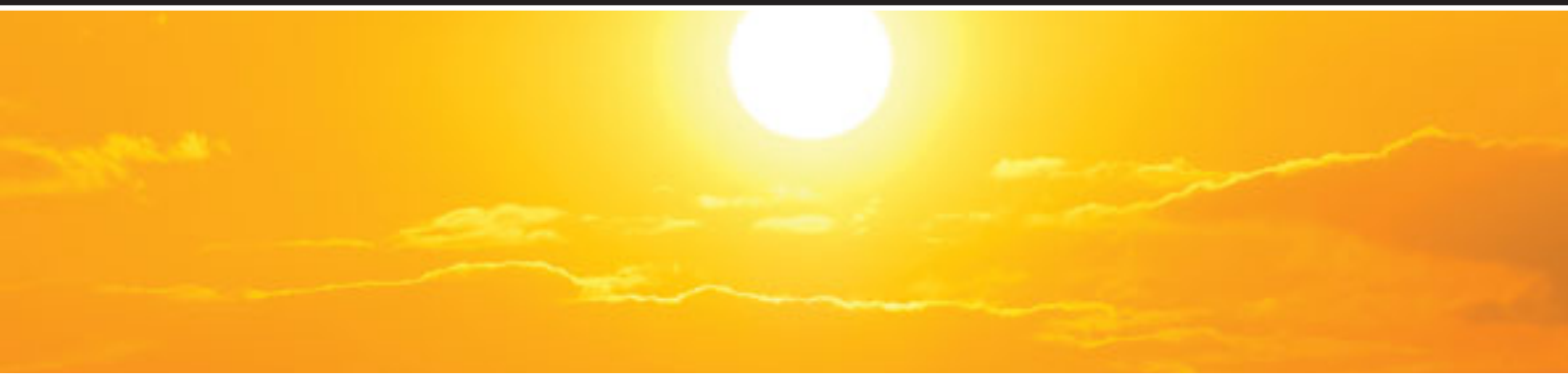


mar**ex**im hnu inc.



## SUSTAINABLE LIGHTING AND POWER SOLUTIONS

Supplementary New Product Guide – 2009



**marexim hnu inc.** SUSTAINABLE LIGHTING  
AND POWER SOLUTIONS

Marexim's philosophy has always been simple:

**NO COMPROMISE ON QUALITY**

The Marexim product promise:

**SAFE, LONG-LASTING, ENERGY EFFICIENT**



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## PAR38 DIMMABLE

120mm Diameter 50,000 HOUR

120 OR 240V AC



Marexim's PAR38 LED replacement lamp can be used as a direct retro-fit where existing halogen lamps are in place. It has been precision engineered to offer extremely long service life; typically up to 25 times that of current halogen models. Further technological breakthroughs have allowed for lineal dimming with conventional dimming systems. Stable and gradual dimming is achieved, right down to 20%.

### FEATURES

- 50,000 hour life
- Dimmable
- Available in High-CRI Model
- Direct physical replacement for halogen
- Available in warm (natural) or cool (daylight) white

### BENEFITS

- Easy to replace inefficient halogen
- Immediate power savings
- Low temperature
- Eliminates maintenance and reduces costs
- No UV – will not fade expensive artefacts

### TYPICAL APPLICATIONS

- Theatres and cinemas
- Foyers and atriums
- Art Galleries
- Hotels, bars and restaurants
- Museums

### AVAILABLE COLOURS

WW	CW	R	G	B	Y	A	RGB
•	•						

Order Code	Power W	Colour Temp K	CRI	Lumens lm	Illuminance Lux @ 1m	Beam Angle °
LED-PAR38DFL-HP-WW	15	3300	78	720	760	70
LED-PAR38DFL-HP-CW	15	5500	78	720	760	70
LED-PAR38DFL-HCRI-WW	15	3300	98	540	600	70
LED-PAR38DFL-HCRI-CW	15	5500	98	540	600	70



## PAR38 OUTDOOR

120mm Diameter

50,000 HOUR

90-265V AC



PAR38 halogen lamps are widely used in outdoor applications, from security floodlighting to highlighting garden features. Marexim's PAR38 OUTDOOR LED replacement lamp offers an immediate solution where frequent lamp changes and high power usage are a problem. Water resistant to IP65, this is a safe, direct alternative to halogen PAR38 lamps in any outdoor installation.

### FEATURES

- 50,000 hour life
- Water Resistant: IP65
- Available in High-CRI Model
- Direct physical replacement for halogen
- Available in warm (natural) or cool (daylight) white

### BENEFITS

- Easy, direct replacement for inefficient halogen
- Immediate power savings
- Low temperature: Safer for outdoor use
- Eliminates maintenance and reduces costs
- Instant illumination: Ideal for security lighting

### TYPICAL APPLICATIONS

- Security / PIR Sensor lights
- Spot lighting trees and shrubs
- Pathways
- Parks and public gardens
- Building / Signage illumination

### AVAILABLE COLOURS

WW	CW	R	G	B	Y	A	RGB
•	•						

- Other colours available on an indent order basis.

Order Code	Power W	Colour Temp K	CRI	Lumens lm	Illuminance Lux @ 1m	Beam Angle °
LED-PAR380-HP-WW	18	3300	78	860	1350	40
LED-PAR380-HP-CW	18	5500	78	860	1350	40
LED-PAR380FL-HP-WW	18	3300	78	860	1050	60
LED-PAR380FL-HP-CW	18	5500	78	860	1050	60
LED-PAR380-HCRI-WW	18	3300	98	645	1070	40
LED-PAR380-HCRI-CW	18	5500	98	645	1070	40
LED-PAR380FL-HCRI-WW	18	3300	98	645	950	60
LED-PAR380FL-HCRI-CW	18	5500	98	645	950	60



## PAR20 DIMMABLE

63mm Diameter 50,000 HOUR

90-265V AC    

A recent addition to the range, completing Marexim's entire LED PAR series, the PAR20 is suitable for replacing either R63 incandescent, or PAR20 halogen lamps up to 100W. Where both of these traditional models lack long-life and energy efficiency characteristics, the LED version offers both, with the simple switch of a lamp. A High-CRI model is also available, where colour definition is of particular importance.

Further technological breakthroughs have allowed for linear dimming with conventional dimming systems. Stable and gradual dimming is achieved, right down to 15%.

### FEATURES

- 50,000 hour life
- 40 to 60 Degree beam angle
- Available in High-CRI Models
- Direct physical replacement for halogen
- Available in warm (natural) or cool (daylight) white

### BENEFITS

- Easy, direct replacement for inefficient halogen
- Immediate power savings
- Low temperature: reduces load on air conditioning
- Eliminates maintenance and reduces costs
- No UV – will not fade expensive artefacts

### TYPICAL APPLICATIONS

- Auditoriums
- High atriums and foyers
- Bars and restaurants
- Hotels
- Retail displays
- Theatres and cinemas

### AVAILABLE COLOURS

WW	CW	R	G	B	Y	A	RGB
•	•						

Order Code	Power W	Colour Temp K	CRI	Lumens lm	Illuminance Lux @ 1m	Beam Angle °
LED-PAR20-SP-WW	5	3300	78	290	420	40
LED-PAR20-SP-CW	5	5500	78	290	420	40
LED-PAR20FL-SP-WW	5	3300	78	290	420	40
LED-PAR20FL-SP-CW	5	5500	78	290	420	40
LED-PAR20-HCRI-WW	5	3300	98	220	340	40
LED-PAR20-HCRI-CW	5	5500	98	220	340	40
LED-PAR20FL-HCRI-WW	5	3300	98	220	340	40
LED-PAR20FL-HCRI-CW	5	5500	98	220	340	40
LED-PAR20-HP-WW	10	2800	90	700	1050	45
LED-PAR20-HP-CW	10	5000	90	800	1190	45
LED-PAR20D-HP-WW	10	2800	90	700	1050	45
LED-PAR20D-HP-CW	10	5000	90	800	1190	45



## T8 TUBE RETRO-FIT OR DIRECT CONNECT

25.4mm Diameter 50,000 HOUR

90-277V AC



G13

Despite many companies in the industry already offering LED “replacement” tubes for fluorescent technology, Marexim have focused efforts on producing a true “retro-fit” replacement. It was worth the wait. Retro-fit means exactly that: simply switching out an existing fluorescent lamp with no alteration to luminaires, control gear or lampholders. Power consumption is halved, with no sacrifice to illumination levels. Life is extended to 50,000 hours and no UV is emitted, reducing wear on luminaires.

This lamp is also available as a direct connect option to replace conventional fluorescent T8 tubes, installation by qualified personnel is required.

Environmental impact is significantly reduced due to the lamps containing no mercury or harmful substances.

### FEATURES

- 50,000 hour life
- Instant start and flicker-free
- Manufactured from virtually 100% recyclable materials
- Compatible with electro-magnetic and electronic control gear
- Mercury Free

### BENEFITS

- Easy, direct retro-fit option for fluorescent T8 tubes
- Immediate power savings
- No re-wiring for retro-fit option
- Eliminates maintenance and reduces costs
- No electrician required for replacement retro-fit option

### TYPICAL APPLICATIONS

- Hospitals and Government buildings
- Supermarkets
- Retail outlets
- Conference centres
- Machinery workshops
- Factories and warehouses
- Offices
- Public walkways
- Schools

### AVAILABLE COLOURS

WW	NW	CW	R	G	B	Y	A
•	•	•					

Order Code	Length mm / ft	Power W	Colour Temp K	CRI	Lumens lm
LED-T8*-600MM-WW	600 / 2	10	2700	90	690
LED-T8*-600MM-CW	600 / 2	10	5400	90	690
LED-T8*-1200MM-WW	1200 / 4	18	2700	90	1375
LED-T8*-1200MM-NW	1200 / 4	18	4200	90	1375
LED-T8*-1200MM-CW	1200 / 4	18	5400	90	1375
LED-T8*-1500MM-WW	1500 / 5	36	2700	90	1720
LED-T8*-1500MM-CW	1500 / 5	36	5400	90	1720

\* insert R in order code for Retro-fit option eg. LED-T8R-600MM-WW





## 18mm THIN BAR HIGH CRI

50,000 HOUR

24V DC  

The Marexim LED Thin Bar is a high quality “fit and forget” solution for a range of showcase applications. The tilt-adjustable thin 18mm profile allows installation in the most confined of spaces without any visual intrusion. Very high light output provides crisp illumination, with no excess heat implications.

A convenient discreet upstand mounting system is available for standard height cabinets, or these can be tailored to suit specific installation requirements on an indent order basis.

### FEATURES

- Very long 50,000 hour life
- Adjustable thin profile
- Very high lumen output
- Different length options
- High quality aluminium body
- Alternative option to fluorescent

### BENEFITS

- Very low heat - safety
- Low electricity cost to user
- Zero maintenance
- Simple to install
- No UV - Ideal for highlighting artwork

### TYPICAL APPLICATIONS

- Display cases
- Pelmet and recess illumination
- Leisure craft - caravans, boats etc
- Bar, restaurant, commercial and residential lighting

### AVAILABLE COLOURS

WW	CW	R	G	B	Y	A	RGB
•	•						

Order Code	Power W	Colour Temp K	CRI	Lumens lm	Beam Angle °
LED-TBAR-320MM-WW	5	2900	98	220	100
LED-TBAR-320MM-CW	5	6000	98	220	100
LED-TBAR-620MM-WW	10	2900	98	440	100
LED-TBAR-620MM-CW	10	6000	98	440	100
LED-TBAR-920MM-WW	15	2900	98	660	100
LED-TBAR-920MM-CW	15	6000	98	660	100
LED-TBAR-1220MM-WW	20	2900	98	880	100
LED-TBAR-1220MM-CW	20	6000	98	880	100



REPLACEMENT FOR  
INCANDESCENT LAMPS  
UP TO 100W



## A19/A60 GLS DIMMABLE

50,000 HOUR

120 OR 240V AC



E26

E27

B22d

Another world-leading product in terms of design, form and light output, the GLS A60 LED is a direct replacement for the oldest and most common form of incandescent lighting.

General Lighting Service (GLS) tungsten filament lamps have been one of the biggest hurdles for LED replacement technology, due to the very directional properties of LED light. This has now been overcome, and Marexim are proud to showcase a direct retro-fit lamp with high colour-rendering properties. Colour matched to replicate incandescent light, the replacement of lamps up to 100W is now a simple changeover.

### FEATURES

- 50,000 hour long life
- Same shape as traditional A19 / A60
- Superior light quality and colour rendition
- Cool running
- No UV emitted
- Instant light – no warmup period
- No mercury

### BENEFITS

- Significant reductions in power costs
- Huge savings in replacement costs
- Safe: very low heat
- Simple to install – direct replacement
- Environmentally friendly
- Low temperature: reduces load on air conditioning

### TYPICAL APPLICATIONS

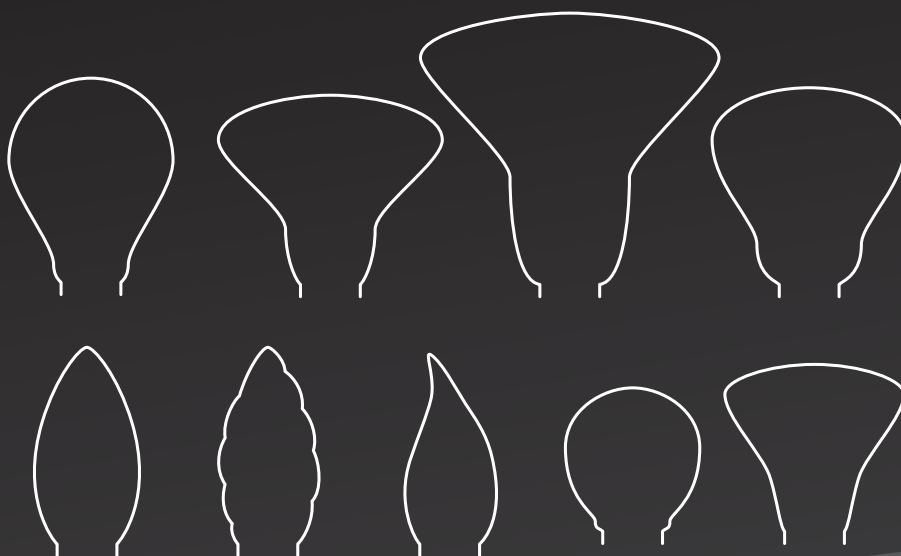
- Hotels: Bedside, desk lamps and general lighting
- Cruise ships and super yachts
- Restaurants / hospitality industry
- Hallways and stairways
- Retail shops and cafes

### AVAILABLE COLOURS

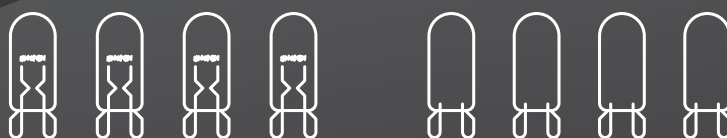
WW	CW	R	G	B	Y	A	RGB
•	•						

Order Code	Voltage V	Power W	Colour Temp K	CRI	Lumens lm	Dimensions mm
LED-GLS-SP-WW-*	120V / 240V	6	2800	90	300	Ø62 x 120
LED-GLS-SP-CW-*	120V / 240V	6	6000	90	300	Ø62 x 120
LED-GLSD-SP-WW-E27	120V / 240V	6	2800	85	300	Ø62 x 120
LED-GLS-HP-WW-*	120V / 240V	10	2800	90	700	Ø60 x 99
LED-GLS-HP-CW-*	120V / 240V	10	5000	90	800	Ø60 x 99
LED-GLSD-HP-WW-*	120V / 240V	10	2800	90	700	Ø60 x 99
LED-GLSD-HP-CW-*	120V / 240V	10	5000	90	800	Ø60 x 99

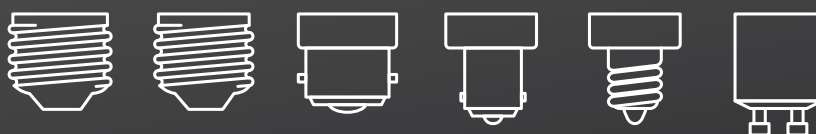
\* select base type from: E26 (120V)  
B22d; E27 (240V)



choose your reusable glass top



choose your replaceable 5,000 hour capsule



choose your reusable base

With over 700 possible combinations there's an energy saving Marexim Xe Hybrid lamp that's just right for your lighting application. With zero waste it's great for your pocket and the planet.

**marexim**  **HYBRID™**

create the perfect lamp for you

MAXIMUM CHOICE  
MINIMUM FUSS  
ZERO WASTE



## Xe HYBRID CONVERTIBLES

REUSABLE BODY REPLACEABLE 5,000 HOUR CAPSULE

120V OR 240V AC



The Marexim Hybrid concept was created to embrace the good aspects of modern LED and CFL lamps and those of the traditional incandescent lamp. It overcomes many of the shortcomings of these, with a concept that's so simple, it just makes sense.

Why throw away a whole lamp when you can simply replace the failed component?

Enjoy instant full brightness start-up and compatibility with all standard dimmers.

"Mercury and Lead Free" avoids risking the health and wellbeing of your people and the environment.

Save on storage space by standardizing your light-fittings and only keep a small number of replaceable Hybrid Capsules.

### FEATURES

- Superior replaceable 5,000hr Hybrid capsule
- Reusable Glass top and base
- Perfect Power factor and CRI
- Patented filament design
- Vibration, surge and spike resistant
- Power savings of up to nearly 35%
- Non UV light source

### BENEFITS

- Fully dimmable with all dimmers
- Instant start to full brightness
- Significantly reduces maintenance and storage costs
- Hybrid capsule is simple to replace
- No transformer required

### APPLICATIONS

- Commercial & retail buildings
- Cruise ships & Super Yachts
- Homes
- Bars and restaurants
- Hotels

### QUICK REFERENCE

75W replaces 100W incandescent  
60W replaces 75W incandescent  
40W replaces 60W incandescent  
25W replaces 40W incandescent

#### Choose a Base:

Hybrid Base	Order Code
E27/ES (220-265V)	HYB-BASE-E27
E26/ES (110-135V)	HYB-BASE-E26
BC/B22d	HYB-BASE-BC
SES/E14	HYB-BASE-SES
SBC/Ba15d	HYB-BASE-SBC
GU10	HYB-BASE-GU10

#### Choose a Capsule:

Voltage V	Power W	Finish	Luminous Flux	Order Code: *
120 / 240	25	Clear	290 lm	HYB-25-CLEAR
120 / 240	25	Frosted	260 lm	HYB-25-FROSTED
120 / 240	40	Clear	525 lm	HYB-40-CLEAR
120 / 240	40	Frosted	495 lm	HYB-40-FROSTED
120 / 240	60	Clear	860 lm	HYB-60-CLEAR
120 / 240	60	Frosted	830 lm	HYB-60-FROSTED
120 / 240	75	Clear	1150 lm	HYB-75-CLEAR
120 / 240	75	Frosted	1100 lm	HYB-75-FROSTED

#### Choose a Glass Top:

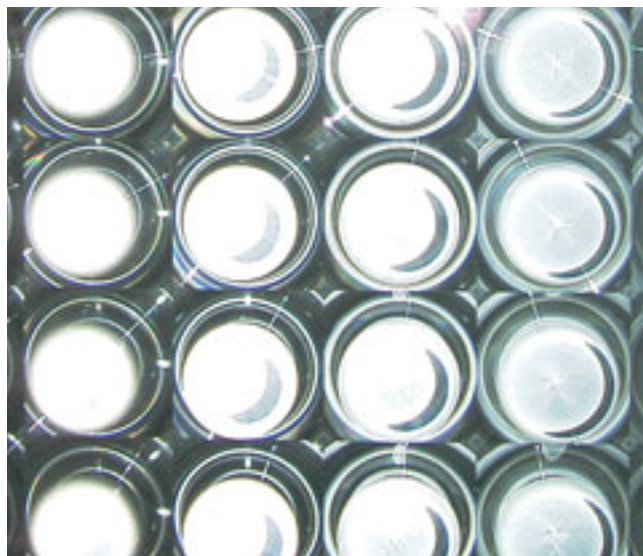
Hybrid Glass Top	Order Code
A19/A60 GLS - Clear	HYB-GLS-CLEAR
A19/A60 GLS - Frosted	HYB-GLS-FROSTED
Candle straight - Frosted	HYB-CAN-ST-FROST
Candle straight - Clear	HYB-CAN-ST-CLEAR
Candle Twisted - Frosted	HYB-CAN-TW-FROST
Candle Twisted - Clear	HYB-CAN-TW-CLEAR
Candle Flame Tip - Frosted	HYB-CAN-FT-FROST
Candle Flame Tip - Clear	HYB-CAN-FT-CLEAR
Candle Flame Tip - Gold	HYB-CAN-FT-GOLD
P45 Lustre - Clear	HYB-LUSTRE-CLEAR
P45 Lustre - Frosted	HYB-LUSTRE-FROST
P45 Lustre - Gold	HYB-LUSTRE-GOLD
PAR20 Glass Top reflector	HYB-PAR20
PAR30 Glass Top reflector	HYB-PAR30
R80 Glass Top reflector	HYB-R80
R63 Glass Top reflector	HYB-R63

\* Please specify required voltage



**MAREXIM HNU'S  
ADVANCED SOLAR TECHNOLOGY  
250% MORE POWER  
60% SMALLER**





## ADVANCED SOLAR TECHNOLOGY

Marexim HNU Inc. specializes in creative renewable technologies and has developed a groundbreaking range of hybrid solar technology that is designed to maximize efficiencies as well as save time and money.

By filling a long-existing void for a low cost, high power output solar electric system, Marexim HNU have achieved a solution that is rugged, versatile and scalable for both residential and commercial owners right up to solar power-generation farms.

With the technology to produce 250% more power, from the same footprint as conventional panels, Marexim HNU is at the cutting edge of harnessing solar efficiency globally.

Install Marexim HNU Advanced Solar Technology for the peace of mind that only real quality and innovation can bring.

Combine this with Marexim HNU sustainable lighting solutions and you will have an unbeatable mix of reliability, efficiency and performance.

### TAILORED SOLAR SOLUTIONS

To maximize the effectiveness and efficiency of every solar installation, specialized computer aided modeling software is utilized to ensure that the job is done right, the first time, no matter how big or how small it may be.

### TURN KEY OPTIONS

No matter if the installation is for a residential property or for a large scale solar power generation plant, Marexim HNU can offer a full start to finish solution whether it be "on-grid", "off-grid", requiring finance or a Power Purchasing Agreement.

### 60% SMALLER

Because the efficiency of the advanced technology is much higher, the panels don't have to be as big to produce the same amount of power as traditional panels.

### LOW MAINTENANCE

Being built tough and to very high exacting standards means that the technology will last longer, providing years of maintenance free solar power generation.

### ENVIRONMENTALLY CONSIDERATE

Through every stage of the manufacturing and installation process the environment is always considered, making the Marexim HNU solution one of the kindest on the planet.







In order to fully appreciate the potential scope, and relate products from the Marexim range to real applications, high-profile case studies are available by request.

In each of these, Marexim product was selected or specified for its ability to easily retro-fit into existing luminaires or lighting schemes.





## About Marexim HNU

Marexim has been supplying high quality sustainable lighting solutions for nearly two decades and operates from offices based in the US, UK, Europe, Canada, Australia and New Zealand. Marexim export and import over 1800 premium quality lighting and electrical products globally.

Marexim HNU has an R & D team dedicated to producing the very best of new technology available. A good example of this is Marexim's LED and Xenon Hybrid ranges, which are unequalled world wide. Marexim supply a wide market from domestic households to hotels, cruise ships, military forces, government, educational institutes and the marine industry.

Environmental sustainability and responsibility is extremely high on Marexim's priority list. All Marexim's products comply with Europe's highest quality specification - RoHS (Restriction of Hazardous Substances).

Marexim's commitment to environmental sustainability has extended to the community in supporting "The Energy Smart Schools Trust". The Trust is a non-profit organization dedicated to educating school children, their schools, and their families about the importance of environmental sustainability and responsibility.

## MAREXIM HNU SUSTAINABLE POWER

Harnessing renewable energy for the future.

Combining Marexim HNU lighting technology and renewable power generation systems delivers a 100% sustainable solution.

## MAREXIM FINANCIAL SERVICES

Making it easier for large scale project implementation without the drain on cash flow or capital expenditure.

Inquire whether you or your customer may be eligible.

Certain criteria does apply and acceptance is not guaranteed.

# **marexim hnu inc.**



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## Product Specific Certification and Compliance:



In the preparation and printing of this Marexim Solutions Guide, all possible environmental impacts were considered – selection of an FSC Certified sustainable printer, accredited safe inks, glues and papers, and an underlying message for all to make a positive difference.