



THE ART OF FINE LIGHTING



Charter

LIGHTING



Private Country Estate

“It’s been a super project, and has added to the many beautiful changes your team have facilitated here at the Hall.”

CHARTER LIGHTING

WHO WE ARE

At Charter Lighting, our reputation has been built on providing the highest level of quality equipment and service for the lighting of works of Art.

Our specialist team has delivered tailored solutions to many demanding lighting challenges throughout the UK, and around the world, for over 30 years.

Everything we supply is handcrafted here at our workshops in the UK where we have both traditional and state-of-the-art machining, painting and 3D printing facilities. We are therefore able to respond flexibly, even to the most diverse wishes of our clients.

We provide complete and, where appropriate, bespoke support – from initial advice right through to manufacture, installation and final focusing. It is this personal and uniquely comprehensive nature of our offering that sets us apart.

Our specialist expertise and services are valued by

- The National Trust
- English Heritage
- Royal Collections Trust
- Historic England
- Historic Royal Palaces

as well as Private Member’s Clubs, Worshipful Companies, Museums and Galleries, and countless private residences throughout the land.

Please don’t hesitate to contact us if you have any lighting queries. We will be delighted to assist you in any way we can.





“The new lights are magical! My paintings have never looked so good.”

THE CHARTER ART LIGHT RANGE

As collectors and curators of Art, you have always been aware of the fundamental importance of proper light quality to bring to life the true colours of the paintings in your care whilst protecting them from degradation.

For too long, picture lights have fallen short of your exacting standards. Lamps were too hot, lamp-life too short, and light coverage uneven. More recently, LEDs have come onto the scene to resolve some of these challenges; but they have tended not to deliver full spectrum-balanced light with a resulting cold, flat tonality to their whiteness. And the problem of poor light coverage has persisted.

Drawing on years of experience and specialist work with collections around the world, we are now able to combine the best in contemporary lighting technology with flexible and varied design to bring you the unique Charter Art Light range of picture lighting products. These have been specially developed to satisfy the stringent and widely-divergent demands of the most discerning of art-owners.

Our art lights are designed, fabricated and hand-painted in the UK using traditional crafting and assembly techniques. Metalwork is typically finished in rich Old Gold flecked wet paint, but bespoke colours are also available.

We can even restore and re-purpose your existing fittings.



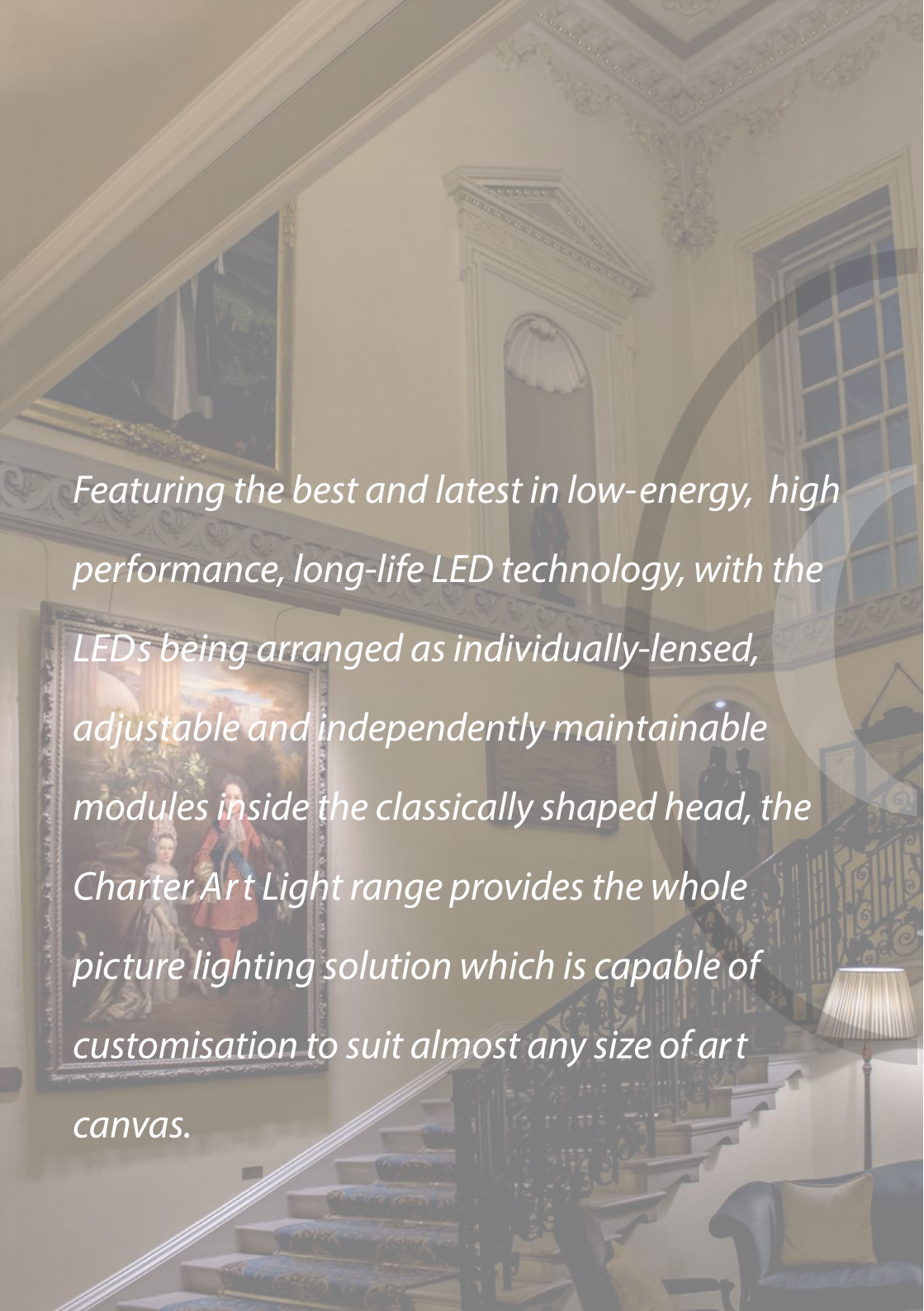


Charter

LIGHTING



Honourable Artillery Company



Featuring the best and latest in low-energy, high performance, long-life LED technology, with the LEDs being arranged as individually-lensed, adjustable and independently maintainable modules inside the classically shaped head, the Charter Art Light range provides the whole picture lighting solution which is capable of customisation to suit almost any size of art canvas.

“When we dropped the chandelier lights to ‘one candle power’ the pictures were just popping. Fantastic!”

THE CHARTER ART LIGHT RANGE FEATURES:

CRI of Ra 98 min. delivers exceptional light quality

2700°K colour temperature brings extra richness to the warm-white tonality

No damaging UV or heat emissions ensure proper conservation

Variable light coverage via unique range of optical lensing for each LED

Light distribution adjustable on site using tilt and slide facilities of all modules

Easy to fit, and supplied complete with own dedicated LED driver

Available in a range of head & arm dimensions

Suits a wide scope of canvas sizes from 250-2500mm high to 250-3000mm wide

40,000-hour life for very genuine maintenance-free longevity

Dimmable via standard Triac switch modules, with filtration for individual LEDs

Hardware is uniquely maintainable in situ

Backed by our 3-year warranty



..... our approach is Traditional

THE CHARTER ART LIGHT GALLERY

The Gallery Art Light is today's top-of-the-range picture light, which has been painstakingly developed to address the challenges associated with lighting paintings correctly, according to type; and completely, regardless of size.

Appropriate customisation is standard with

- variable arm lengths and profiles
- head sizes in incremental lengths from 100mm (4") to 3000mm (120")
- several standard paint finishes plus décor-matched options
- even special mounting bracketry design

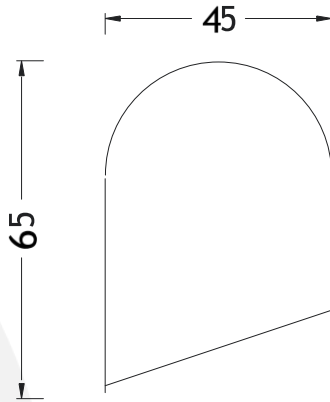
The lensed modules are available in four beam angles to project or disperse the light down and across the canvas, as well as being adjustable in tilt and positioning within the head. Individual modules can be moved, removed and the whole added to, offering absolutely unique tailoring to your needs to an unprecedented degree.

Whatever is required will be calculated by us and delivered to you, ready for simple installation. A fully bespoke service of on-site consultancy, installation and focusing is also available according to your requirements.

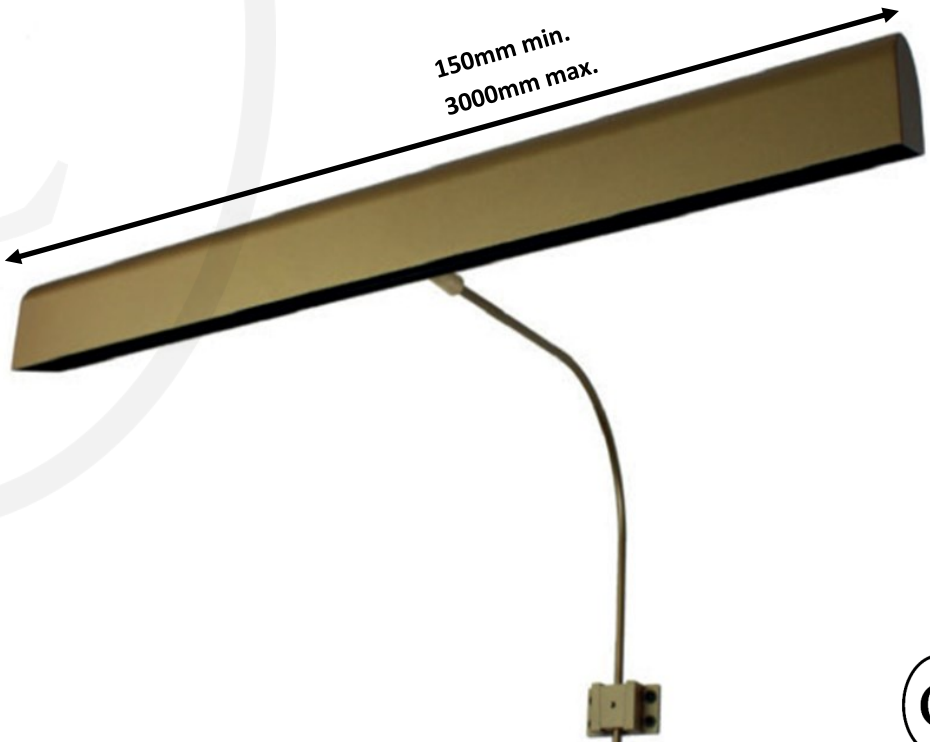
When dealing with our heritage, we believe it is critical to future-proof what we do now.

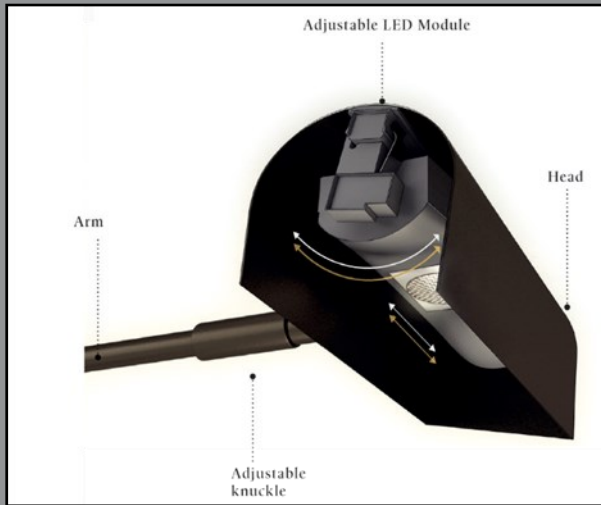
Thus the individual LED modules are not only **removable**, but they are also **replaceable** and therefore **maintainable**, for many decades to come.

“.... may I say how delighted we are with our lights! The new lighting of the portrait above the fireplace in particular is a real triumph!”



Light Head Profile (mm)





Technical Information

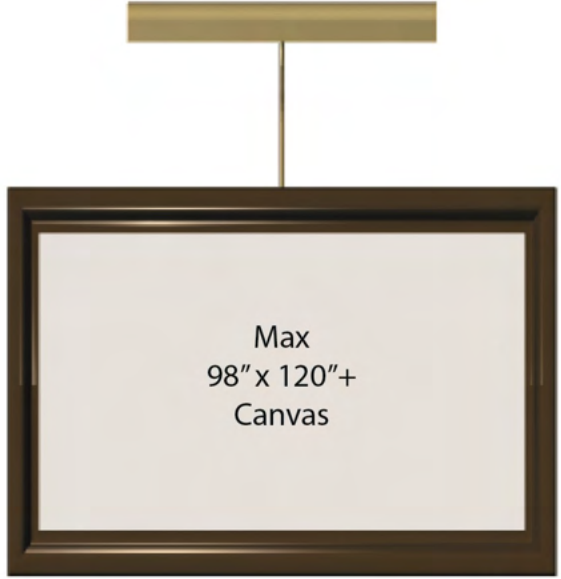
Product Code ArtLightAcademy

Colour Rendering	CRI 98
Colour Temperature	2700°K
Power	1.8W (per LED)
Lumen Output	98lm (per LED)
Voltage	12V Constant Voltage
Lamp Life	40,000 Hrs
Beam Angle	15°; 30°; 45°; 60°
Dimmable	Triac mains leading edge; 0-10V; DALI
Finish	Gold Satin; Bronze Satin;
Certification	CE; RoHS; IP33; Class 1
Warranty	3 years
UV Output	Zero
Driver	12W or 25W
Head Width	150 - 3000mm*
Weight	300 - 600g*

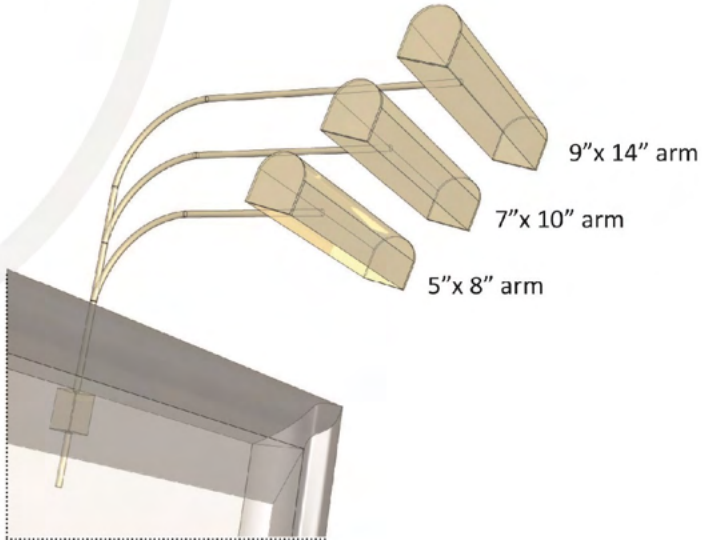
*Variable depending on painting dimensions

Drivers placed remotely

Canvas Dimensions



Arm Lengths



..... our technology is Contemporary.....

THE CHARTER ART LIGHT FINELINE

The FineLine Art Light is the latest addition to our picture light range.

This discreet style has been designed to deliver beautiful and balanced lighting from the smallest possible classic-shaped light head.

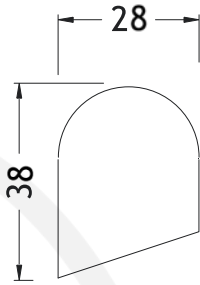
With elegant slender arm supports which provide adjustment in height, and articulation at the knuckle joint to tailor the scope of light distribution, the span of lighting coverage for both landscape and portrait paintings belies the slim profile of the hardware.

The optically-dispersed array of linear LED modules brings all the advantages of contemporary lighting technology without compromising quality – with a high CRI of Ra98 across a fully-balanced spectrum that is so critically important for the proper illumination of fine art.

The FineLine Art Light is available in a standard range of sizes from 150mm (6") to 1220mm (48") in 6" increments.

This simple sizing makes the Fineline range of Art Lights quick and easy to specify correctly.

“...I am THRILLED with the result! I really can’t believe the difference. That room has been utterly transformed. Couldn’t be happier!”



Light Head Profile (mm)

**150mm min.
1220mm max.**



THE CHARTER ART LIGHT

DIDDY

The Very Diddy Art Light derives its name (and impeccable pedigree) from its widespread use in the Royal Household Collections.

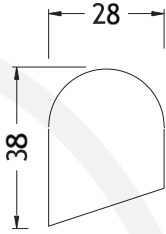
This little Picture Light head measures a mere 65mm (2 ½ ") in length and less than 40mm (just over 1") wide.

It contains a single 1.8W Nichia full spectrum LED, lensed to deliver a controlled but well-distributed beam of light, with 2 beam angles being available for pre-selection as standard to suit either a landscape or portrait painting.

With detachable head and variable length arms, a truly surprising range of light coverage can be achieved. Whole canvases measuring up to 500mmH x 355mmW (20"H x 14"W) can be well lit, with minimal visual impact from the light fixture itself.

Multiple applications of paint ensure a durable layered, hard coat finish, in Classic Old Gold, but with several other finishes available to order.

"It was an absolutely amazing day – thank you so much. We all had a wonderful time and the paintings look absolutely stunning. Everyone is so pleased. You are wizards!"



- Light Head Profile (mm)



THE CHARTER ART LIGHT ARM LENGTHS

The Charter Art Lights are available with a range of different arm lengths, depending upon the orientation and size of painting which the light is intended to cover.

The arms allow the light from the picture head to extend away from the picture and balance any increase of light output against spread of illumination across the canvas.

This avoids the common 'hot spot' seen with many other picture light applications. The articulating knuckle joint also provides for on-site dressing of the light.

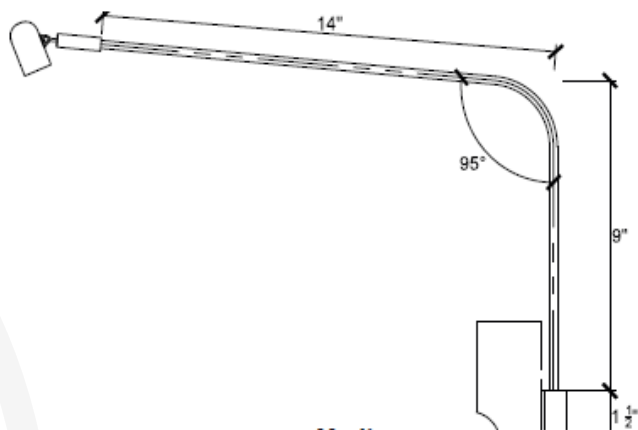
Specified by ourselves according to the size and shape of the painting, the arm profile will normally be selected from the standard range, as displayed opposite.

In all cases the arm height can easily be modified on-site by sliding it up and down within the mounting block - thereby avoiding conflict with low coving and cornices.

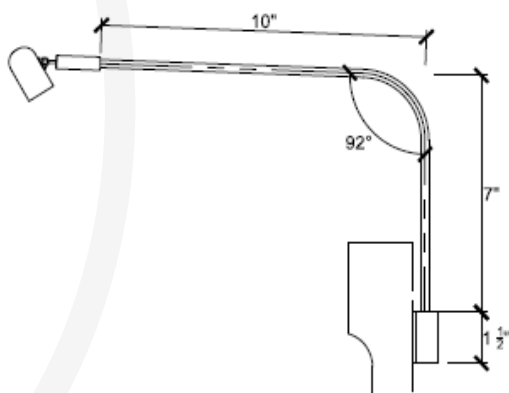
Where necessary, arms can also be profiled to overcome site-specific challenges, and even special mounting brackets can be generated where appropriate.

"The light is truly fantastic! Never before have I seen all the detail."

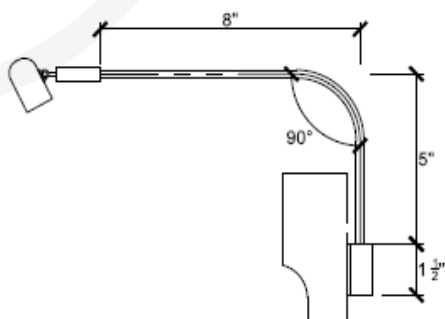
Large



Medium



Small



THE CHARTER ART LIGHT RETROFITS

In some properties, picture lights have already been in use for many years.

They have mellowed with the wallpaper and faded with the upholstery, and are part of the story. They belong. No-one wants to change them - but the new technology is so inviting for energy-conservation and maintenance-reduction that every effort must be made.

Indeed, some of the more traditional lamps needed for replacement are now very difficult to come by, or the lamp holders have become too brittle.

We are able to help you here, too.

Experience has taught us that these established favourites come in all shapes and sizes, and styles. This is where our in-house manufacturing facilities really come into their own. We are able to offer a comprehensive range of retrofit options that that can almost always be configured to fit discreetly into your existing hardware. Within reason, we can also repair broken parts.

Upgrades can sometimes be undertaken on-site, but more often we suggest that the existing picture lights are simply uncoupled and packed up, ready for collection.

We assess which kind of retrofit option is most appropriate, undertaking a check and upgrade of any tired wiring at the time. When the picture lights are returned to you, they are genuinely fully refreshed - all spruced up, and fitted with the optimum in range and quality of long-life, low energy LED technology.





Retrofitted Picture Light—Private Residence

THE CHARTER ART LIGHT

BATTERY POWER

Not every painting will have a power point behind it – especially if the property pre-dates the invention of electricity and features historic wall coverings.

So how do you power your new picture light?

For smaller paintings which use the FineLine Art Light, battery-powered versions are now available which enable reliable and consistent performance.

Our special powerpacks have been developed to work with the very latest in battery technologies to ensure viable operational capacity and using components which are both re-chargeable and properly durable. Under normal usage (five or so hours per day) re-charging is required only once a week.

Batteries in varying quantities are specified and incorporated within each power-pack to suit its given picture light size. Re-charge cycles are therefore consistent between paintings of different sizes and easy to schedule into a standard routine.

Activation is via hand-held remote control, which also enables variation in light intensity to be simply achieved to suit more fragile art, or to provide a good balance.

The most obvious candidate for battery operation is the Diddy Art Light.

However, even much more substantial paintings can now be powered in this way. For these, 'on-board' re-charging can also be enabled to allow the picture to remain in place during the process.

"The new lights are going up now ... looking stunning."



Off



Dimmed



Enhanced



THE CHARTER ART LIGHT DÉCOR FLEX

Sometimes, power needs to be drawn from a remote socket.

To use standard electrical flex would be unsightly; but the painting itself may be too large for a successful battery-powered application.

There are elegant solutions for these situations, too.

A tremendous range of braided flex is now available. This can be matched *in situ* against sample swatches, to camouflage against almost any supporting paintwork or decoration.

Bespoke colours can even be mixed and applied specially – and if there is sufficient in quantity to merit such an exercise.

Where paintings are hung in chains off high-level rails, the existing railing can be used as a vehicle behind which to conceal the electrical flex.

It is not (yet!) possible to transmit energy across the internet, but there are many other ways – neatly and discreetly – to get power to your paintings.



“I couldn’t imagine before quite what an improvement the lighting would make not only to the pictures, but to the whole room—it really is a game-changer.”



‘Brown’ décor flex—Hever Castle

THE CHARTER ART LIGHT TRANSFORMATIVE

Many traditional picture lights did a pretty dismal job.

The lighting itself failed to illuminate large sections of the canvas and often reflected so badly that, visually, it actually did more harm than good.

And certainly both the heat and UV emissions from those original light bulbs were subjecting the painting to physical damage.

By contrast, the lighting generated by today's top-quality LEDs is not only of superb tonality, but it is also completely heat-free and emits absolutely no damaging UV wavelengths at all.

The range of optics available for use with the Charter LED Art Lights further ensures unprecedented uniformity of lighting coverage across and down the whole canvas.

The continuous extruded head length of up to 3 Metres and the option for four or more differently-lensed LED modules delivers unsurpassed light distribution across even the largest artworks and tapestries.

At last, not only can paintings be properly and safely lit, but all the beautiful detail that the artist painted, with such care, can finally be discerned and appreciated.

All Charter Lighting picture light products are manufactured and quality-assured in the UK by Absolute Action Ltd.





Charter

LIGHTING

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