

MUSIC STANDS
AND STAGING
PRODUCT
CATALOGUE



RATstands

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MUSIC STANDS AND STAGING PRODUCT CATALOGUE



MUSIC STANDS

Created to help musicians deliver the perfect performance, our stylish music stands are carefully designed using advanced materials and unique features to make them perform better and last longer than other stands.

CONDUCTOR'S STANDS

Designed to meet the exacting requirements of the world's leading conductors and music venues, our conductor's stands are the last word in refined technical design. From simple designs for lit venues and outdoor performances to semi-permanent installations in larger opera houses, we offer conductor's stands to suit every type of music venue and performance.

LIGHTING

Using the latest high powered LEDs, our lamps provide bright and even illumination of the score with less light spillage than we have seen on any other lamps. The slim housing is designed to allow the musician the best possible view of the conductor. Our mains voltage lights can be arranged in a daisychain system or plugged directly into mains sockets and dimmed like any ordinary light.

ACCESSORIES

We supply a range of high-quality accessories to ensure our music stands meet the precise needs of every musician. Our accessories include freestanding acoustic screens, and stand attachments for instruments, microphones and pencil trays.

ORCHESTRAL CHAIRS

Chairs for professional musicians, giving excellent lumbar support and with adjustable seat angle. Optional adjustable legs enable the angle of the backrest and height of the chair to be adjusted as well.

STAGING

Let your imagination run riot with our versatile staging system. It is so easy to use that professionals and children alike can use it to design and build their own sets. With its considered design, incredible strength and lightweight portability Stage4 can be put together, taken apart and stored more quickly than any other staging system available today.

The RAT Stand was born in 1976 when one of the UK's leading opera companies commissioned the design of an all-new illuminated music stand. Since then 500 opera houses, theatres, concert halls and civic centres all over the world have come to value our music stands.

Our design philosophy is quite a simple one, to be inspired by the world's most demanding musicians to create the best possible music stands, lights and accessories. The result is a range of products that employ simple, beautiful designs and technically advanced materials to support new heights of artistic performance.

RATstands lights, music stands and conductor's stands are now the preferred choice of leading music venues across the world, from Abbey Road Studios to the Metropolitan Opera House and Sydney Opera House.





CLIENT LIST RECOGNISED QUALITY WORLD WIDE

UK

Abbey Road Studios
Barbican Centre
Birmingham Royal Ballet
British Broadcasting Corporation
Carnival Cruise Lines
Church of St Martin-In-The-Fields
City of Birmingham Symphony Orchestra
English National Opera
Grand Opera House, Belfast
London Philharmonic Orchestra
Royal Marines School of Music
Royal National Theatre
Royal Opera House, Covent Garden
Royal Scottish Academy of Music & Drama
Royal Scottish National Orchestra
Royal Shakespeare Company
Sadlers Wells Theatre
Scottish Ballet
Scottish National Jazz Orchestra
Scottish Opera
Welsh National Opera

North America

389th US Army Band
Boston Ballet Orchestra
Canadian Opera
Cunard Cruise Lines
Dallas Opera
Disney Theatricals
Los Angeles Philharmonic Orchestra
Mamma Mia!
Memphis Opera
Metropolitan Opera
North Carolina Symphony
Pacific Symphony Orchestra
Santa Fe Opera
Santa Monica College
Smithsonian Institute
Sun Valley Summer Symphony
Twentieth Century Fox
US Airforce
US Marines
Warner Brothers Studios

Australasia

Albany Entertainment Centre, Australia
Aotea Centre, New Zealand
Melbourne Recital Centre, Australia
Melbourne Symphony Orchestra, Australia
Queensland Performing Arts Centre, Australia
Sydney Opera House, Australia
Western Australia Symphony Orchestra

Asia

Black Theatre, Hong Kong
Esplanade, Singapore
Hyogo Arts Centre, Japan
Kyungbuk Dorip Symphonic Orchestra, South Korea
National Centre for the Performing Arts, India
National Symphony Orchestra, Taiwan
National Center for Korean Traditional Performing Arts, South Korea
National Theatre, Taiwan
Resorts World, Singapore
Shiki Theatrical Company, Japan
Suzhou Arts Centre, China
Yonsei 100th Anniversary Memorial Hall, South Korea

Europe

Badminton Theatre, Greece
De Vlaamse Opera, Belgium
Filharmonia w Szczecinie, Poland
Grand Canal Theatre, Eire
Grand Theatre de Bordeaux, France
Grand Theatre de Geneve, Switzerland
Harpa Reykjavik Concert Hall, Iceland
Helsingborgs Stadsteater, Sweden
Helsinki Music Centre, Finland
Malmo Stad Theatre, Sweden
Municipality Theatre of Avellino, Italy
Onassis Cultural Center, Greece
Opera Garnier, France
Radio Telefis Eirann, Eire
RIAS, Germany
Sonderjyllands Symphony Orchestra, Denmark
Stads Schouwburg, Belgium
Swedish National Theatre, Sweden
Teatro di Locarno, Switzerland
Teatro San Lorenzo De El Escorial, Spain
Theatre & Congresshall De Flint, Netherlands

Middle East

Israel Opera, Israel
New Concert Hall, Oman
The Royal Opera House, Muscat, Oman

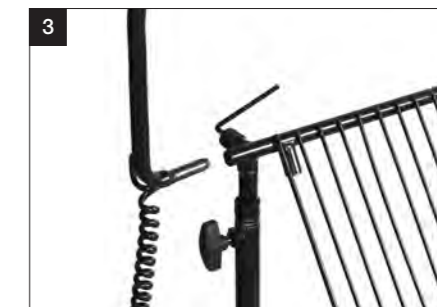
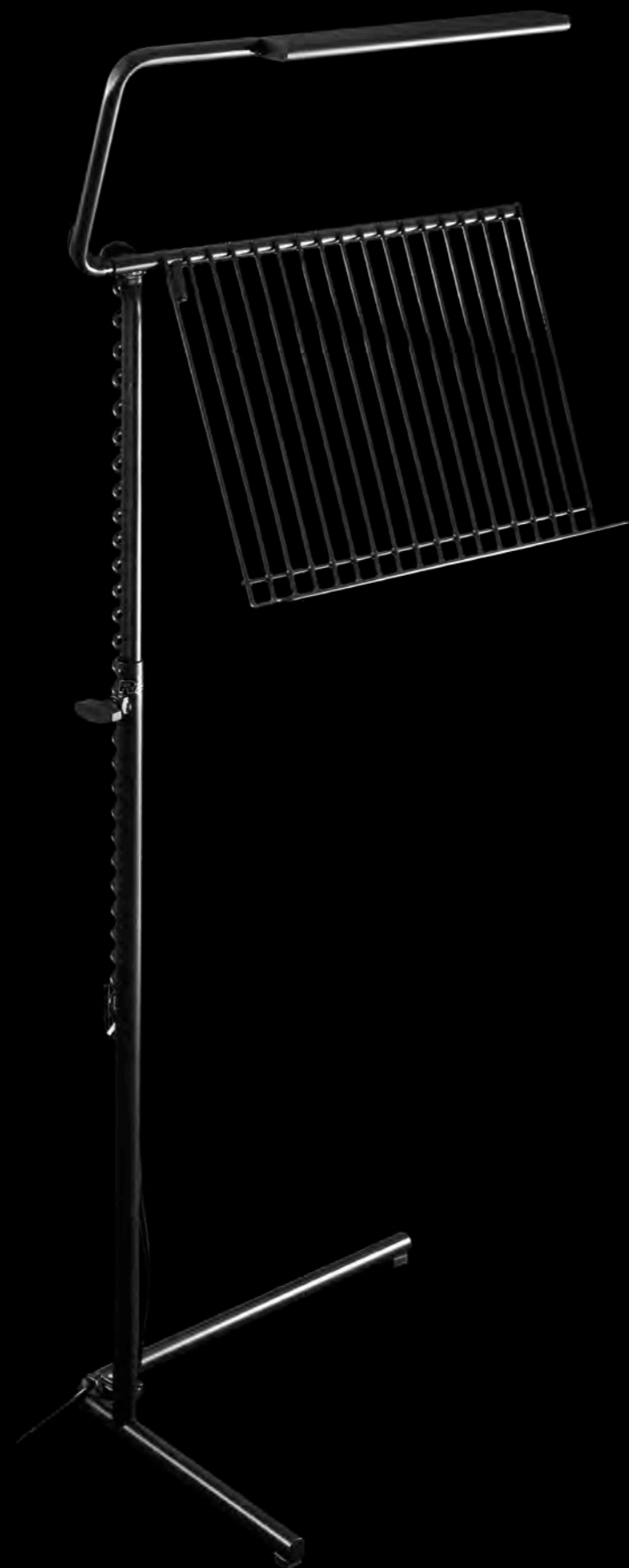
MUSIC STANDS

Created to help musicians deliver the perfect performance, our stylish music stands are carefully designed using advanced materials and unique features to make them perform better and last longer than other stands.



THE OPERA STAND

The Opera Stand is unique. Designed with the orchestra pit in mind, this stand has a warm touch, chip resistant black finish and is acoustically neutral. It was first produced in 1976 and is still the only music stand in the world to feature an integral light. The light output is held at the perfect distance from the music tray and is carefully controlled so that it falls on the score and nowhere else. Our timeless original design allows the cable to be managed all the way down to the ground and is fully compatible with all our lights and stand accessories.



1. Supertough black nylon coating makes the stand a pleasure to touch and, unlike other coatings, never chips.

2. The solid base gives added stability. Rubber feet ensure 3-point contact on uneven surfaces whilst protecting your floor and preventing clatter.

3. The special mounting socket enables the lamp to be easily removed in seconds.

4. Storage hooks eliminate excess cable trailing around the floor.

5. Constant friction is maintained by powerful springs in the friction joints of the tray and lamp which means they stay automatically at whatever angle you place them - there are no knobs to fiddle with or lose, and they will never go slack.

6. Opera stands nest, with or without lamps, for compact storage.

Specification

Height measured from floor to lower edge of score adjustable between: 607 and 1267mm.
 Weight of stand with Classic tray: 5.9kg (13lb)
 Weight of stand with Classic tray and mains voltage light: 6.7kg (15lb)
 Tray size: 440 x 320mm

Product code:

with Classic tray	52Q1
with Wood tray	52Q2
with ABS tray	52Q3



The Opera Stand trolley

The Opera Stand trolley carries up to 22 stands. It has integral locking bars, 2 fixed and 2 swivel castors for easy steering, and is coated in tough scratch-resistant epoxy.

Specification

L x W: 1730 x 630mm (68" x 25")
 Weight: 25 kg (55 lb)

Product code:

The Opera Stand trolley	59Q1
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THE OPERA STAND MAINS VOLTAGE LIGHTS

230v 120v

Using the latest high powered LEDs, our lamps provide bright and even illumination of the score with less light spillage than we have seen on any other lamps. The slim housing is designed to allow the musician the best possible view of the conductor. Our mains voltage lights can be arranged in a daisychain system or plugged directly into mains sockets and dimmed like any ordinary light. Every Opera Stand lamp works specifically with the stand, and the cable is managed all the way down to the ground.

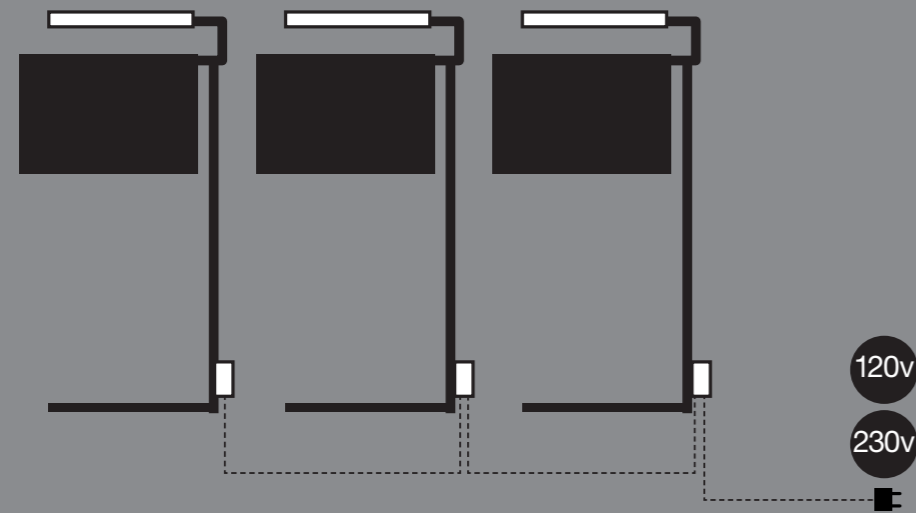
All Opera Stand lights are interchangeable with one another and backward compatible with older Opera Stands. Just slacken the socket screw at the back of the tray, remove the old light, and fit the new one. As an option, a thumb screw can be fitted to enable this to be done without the need for a wrench.

IEC Daisychain System

As an option, the Duo Light can be ordered with the IEC Daisychain System. It connects adjacent stands using standard IEC extension cables. The IEC junction box locks rigidly to the base of the stem, and is easily removed when the stand is required without the light.

The hook at the base of the stem of The Opera Stand helps to tidy the cables, and locking IEC cables ensure that the plugs cannot be accidentally pulled out by tripping over the flex.

Product code:
Product code of Light + IDS



Duo Opera Light

The Duo Opera Light is a professional quality, mains driven lamp that can be found in many venues throughout the world. It is bright enough for any situation and yet the superb cut off ensures that the light falls on the music score and nowhere else.

- Two state of the art mains voltage LEDs give very bright and even illumination all over the score with very little light spillage.
- Very slim housing does not obstruct the musician's view of the conductor.
- Plugs directly into the mains without the need for a power supply
- Can be controlled at the lighting desk by dimming the mains supply, just like any ordinary incandescent light.
- Warm white LEDs with a colour temperature of 3000K provide light which is relaxing for the professional musician yet makes for easy reading of yellowed scores, without the tiring effect of the more common cold white LEDs.
- Will give years of maintenance-free use. LEDs are virtually indestructible and never wear out, so you will never again have to change a bulb in the middle of a performance.

- Over the lifetime of the product lower electricity bills and the absence of bulb replacement costs will repay your initial investment in this truly professional music stand light.
- Double insulated for safety.
- A coiled cable from the lamp to ground level enables the stand height to be adjusted without detaching the cable from its hook at the base of the stand.
- Straight cable from the base of the stand reaches a further 3m.

Product code:

Duo Opera Light 66Q02



THE OPERA STAND

24V LED LIGHTS

24v

Designed with absolute flexibility in mind, our professional quality 24V lights operate on battery power or low voltage power supplies as installed in many theatres around the world. These lamps feature our best in class LED fittings while supporting the inherent safety of a low voltage supply, or offering up the possibility of wireless control.

Trio Opera Light

The best lamp on any music stand anywhere! The Trio gives more light, of better quality and with greater control than any other music stand light on the planet. The Trio is the face of a complete music stand lighting system which provides every conceivable option for control and power delivery.

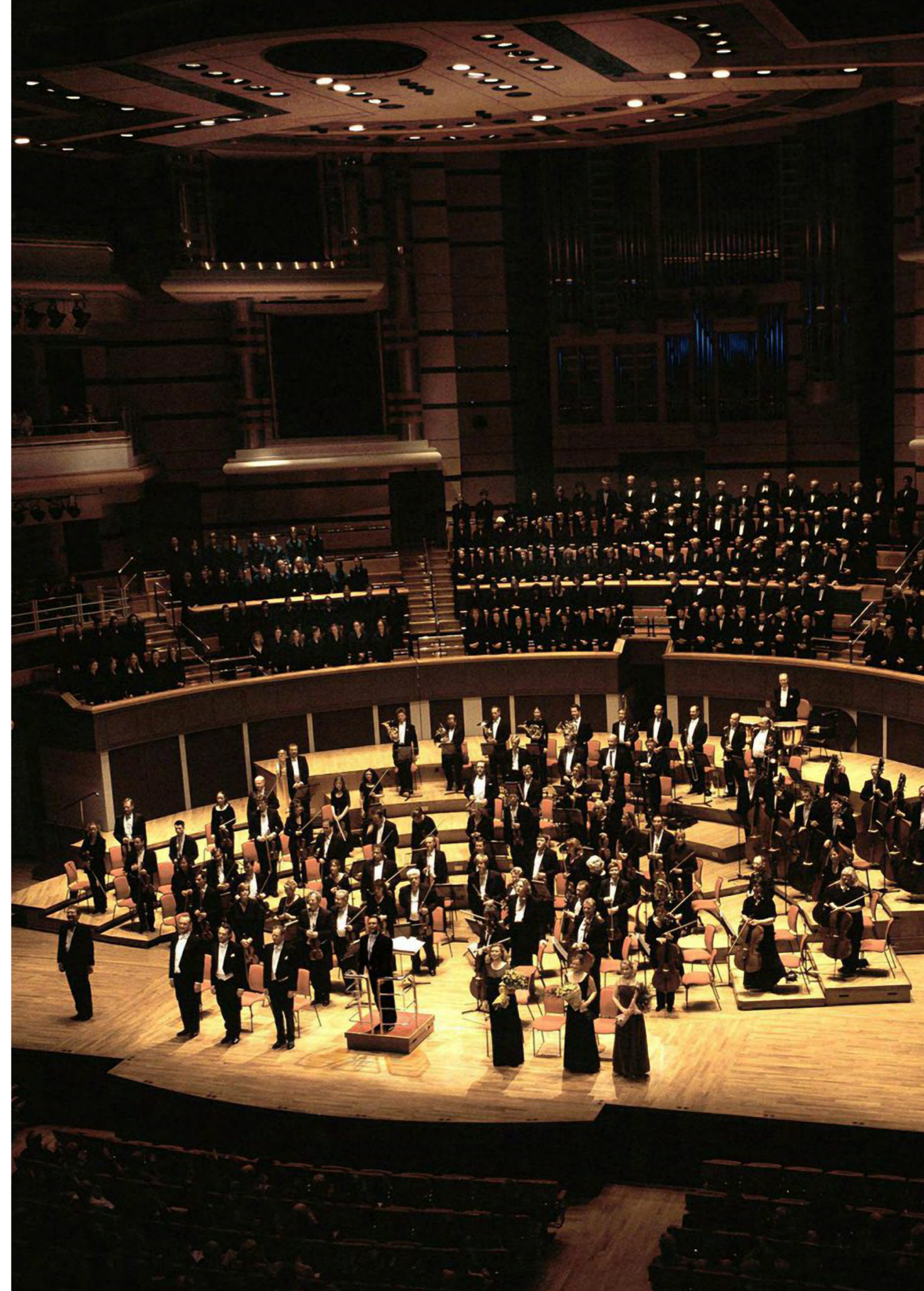
- Attaches to The Opera Stand by sliding the arm of the lamp into the socket of the stand and tightens with an Allen key.
- 32 state-of-the-art low voltage LEDs give exceptionally bright and even illumination over the entire score.
- Very slim housing does not obstruct the musician's view of the conductor.
- Colour temperature of the light can be varied between 2700K and 4000K.
- Precision light guides ensure excellent cutoff of the light resulting in minimal light spillage.
- LEDs are virtually indestructible and never wear out, so you will never again have to change a bulb in the middle of a performance.
- Reduced power consumption and consequent reduction in air conditioning load means using this light is environmentally friendly.
- Over the lifetime of the product lower electricity bills and the absence of bulb replacement costs will repay your initial investment.

- Runs off a 24V power supply for electrical safety.
- Can be powered by batteries, or by mains power using the appropriate PSU – see power supplies.
- When powered by batteries, the light progressively warns the user when the battery is running low, giving plenty of time to change the battery without plunging the musician into darkness.
- When powered by the PSU, lights can be connected to the PSU in a star configuration or in a daisychain.
- Brightness and colour temperature can be controlled by the musician (using the thumb wheels on the lamp), or by the lighting desk.
- Control by the lighting desk has priority over control by the musician.
- Control by the lighting desk can be by Powerline Control (when powered by our DMX PSU) or by the optional radio receiver (when powered by battery).
- Under Powerline Control, the optional Zone Control System enables lights to be assigned to 8 different groups each with its own DMX address for brightness.
- With the optional Radio receiver, each light can be assigned its own unique DMX address for colour and brightness.
- A coiled cable from the lamp to ground level enables the stand height to be adjusted without detaching the cable from its hook at the base of the stand.
- Straight cable from the base of the stand reaches a further 3m.

Product code:

Trio Opera Light

66Q03



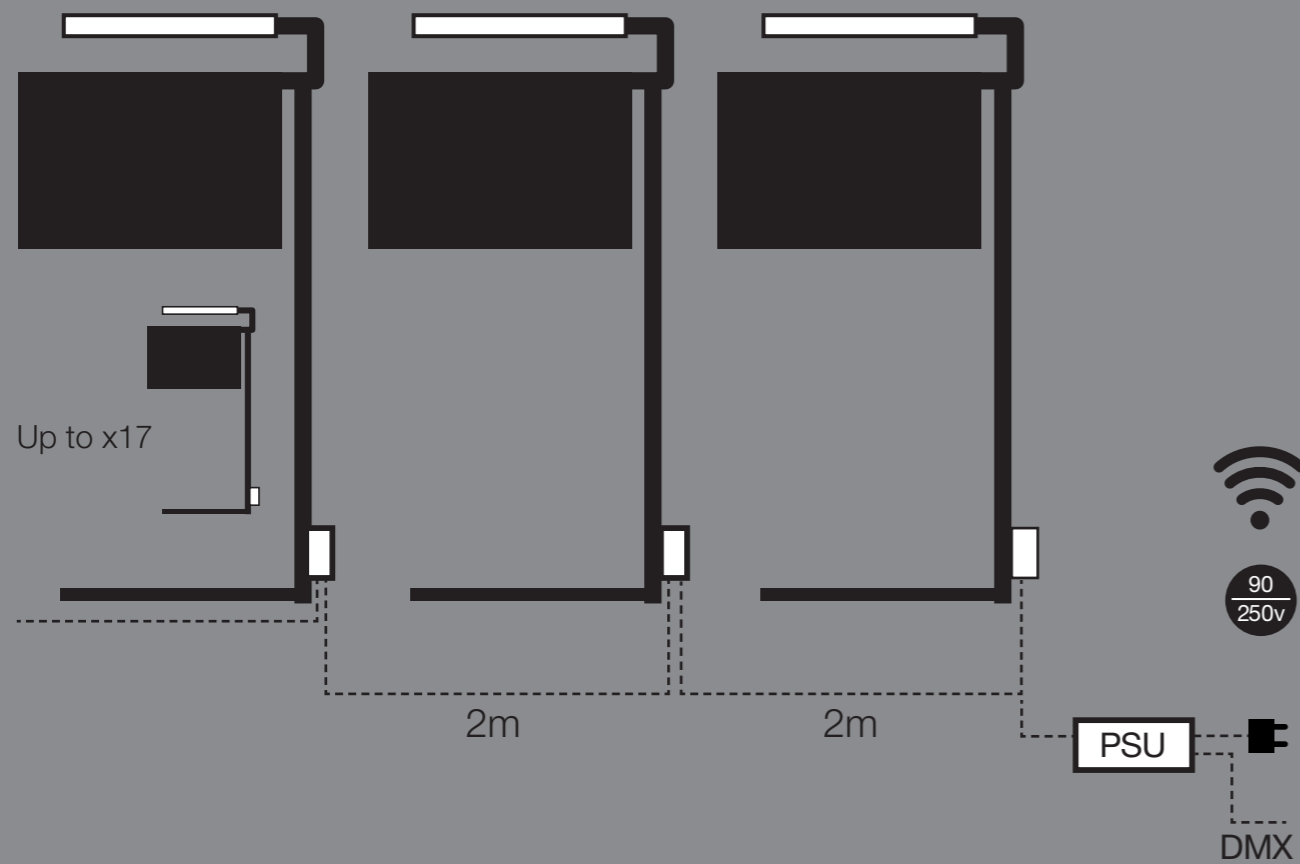
THE OPERA STAND

CONNECTION AND CONTROL FOR 24V LED LIGHTS

Option 1 DMX-PSU with XLR Daisychaining System

- The DMX-PSU connects to the mains supply by an IEC cable. An IEC outlet on each PSU enables multiple PSUs to be linked.
- The DMX-PSU has two XLR outlet sockets enabling two separate daisychains, with a total of up to 17 lights, to be plugged into one PSU. Each PSU has its own DMX starter address, and can control the lights connected to it in 8 different zones (if Zone Control is fitted to the lights).
- An XLR Daisychaining box locks to the base of each stand and connects one stand to the next in a daisychain. Each XLR Daisychaining box comes complete with 2m of integral cable.
- Powerline control is achieved when the daisychain is connected using the DMX-PSU and linked to a lighting desk.
- Lights can also have radio control. If fitted, radio control takes priority over Powerline control. Radio control can be operated by the RAT Radio System which can also be connected to the lighting desk.
- Alternatively, the Mains PSU can be used which gives power to up to 17 lights but cannot be controlled using DMX.

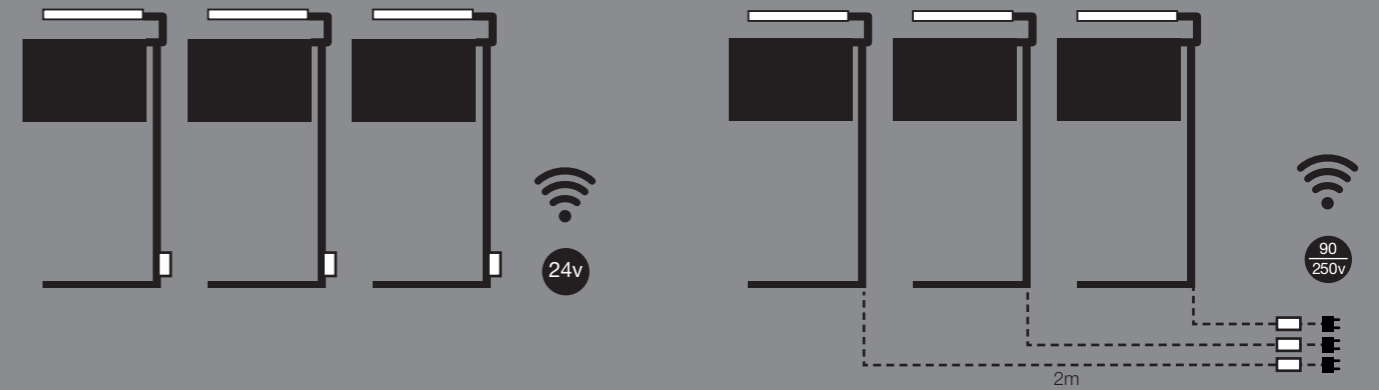
Product code:	
DMX-PSU	74Q37
Mains PSU	74Q36
XLR Daisychaining Box	74Q31
XLR extension lead, 2m	74Q33
Powerline Dimmer-receiver	Product code of light + PX



Option 2 Rechargeable Batteries

- 24V lights can be powered by batteries instead of wired power supplies.
- High capacity Li-ion batteries can power a Trio Light at full brightness for over 11 hours; if the brightness is turned down almost imperceptibly the time between charges can be increased to 24 hours.
- Li-ion batteries are lighter and more compact than NiCad and NiMH, and do not suffer from memory effect.
- Batteries can be recharged using the single fast charger, or the charging station which charges up to 10 batteries simultaneously.
- Batteries are recharged in about half the time for which they have been used.
- Ideal for use with radio control giving independent control of every light.
- Batteries incorporate a state of charge indicator.

Product code:	
Li-Ion Battery	74Q47
Charging Station	74Q54



Option 3 Plug top mains adaptor

- A low cost solution for small numbers of stands.
- One adaptor is required for each light. Each adaptor plugs straight into the mains supply, and comes with 2m of cable terminating in an XLR socket.
- The plug top adaptor cannot be dimmed by dimming the mains supply, but each light can be adjusted by the thumbwheels on the lamp, or by fitting the RAT Radio System.

Product code:	
Plug top mains adaptor	74Q1

THE OPERA STAND

POWER AND CONTROL OPTIONS FOR 24V LIGHTS

1. Plug Top Mains Adaptor

A low cost solution for powering small numbers of 24V lights.

- One adaptor is required for each light. Each adaptor plugs straight into the mains supply and comes with 2m of cable terminating in an XLR socket.
- The plug top adaptor cannot be dimmed by dimming the mains supply, but this arrangement is compatible with radio control (see page 15) giving independent dimming control of every light and of course the Trio has a built in dimmer.

Product code:	
Plug Top Mains Adaptor	74Q1

2. DMX-PSU with XLR Daisychaining System

The most convenient way to control lights individually or in a group.

- The DMX-PSU connects to the mains supply by an IEC cable. An IEC outlet on each PSU enables multiple PSUs to be linked.
- The DMX-PSU has two XLR outlet sockets enabling two separate daisychains, with a total of up to 17 lights, to be plugged into one PSU. Each PSU has its own DMX address, so all stands connected to a given PSU are dimmed together." To "Each PSU has its own DMX starter address, and can control the lights connected to it in 8 different zones (if Zone Control is fitted to the lights).
- An XLR Daisychaining box locks to the base of each stand and connects one stand to the next in a daisychain. Each XLR Daisychaining box comes complete with 2m of integral cable.

- Powerline control is achieved when the daisychain is connected using the DMX-PSU and linked to a lighting desk.
- Lights can also have radio control. If fitted, radio control takes priority over Powerline control. Radio control can be operated by the RAT Radio System which can also be connected to the lighting desk.
- Alternatively, the Mains PSU can be used which gives power to up to 17 lights but cannot be controlled using DMX.

Product code:	
DMX-PSU	74Q37
Mains PSU	74Q36
XLR Daisychaining box	74Q31
XLR extension lead, 2m	74Q33
Powerline Dimmer-receiver	Product code of light + PX



3. Rechargeable Batteries

24V lights can be powered by batteries instead of wired power supplies.

- High capacity Li-ion batteries can power a Trio Light at full brightness for over 11 hours; if the brightness is turned down almost imperceptibly the time between charges can be increased to 24 hours.
- Li-ion batteries are lighter and more compact than NiCad and NiMh, and do not suffer from memory effect.
- Batteries can be recharged using the single fast charger, or the charging station which charges up to 10 batteries simultaneously.
- Batteries are recharged in about half the time for which they have been used.
- Ideal for use with radio control giving independent control of every light.
- Batteries incorporate a state of charge indicator.

Product codes:	
Li-Ion Battery	74Q47



4. Charging Station

The Charging Station charges up to 10 battery packs simultaneously. Each charging bay is independent so you can charge as many batteries as you like, and they can all be at different depths of discharge.

Product code:	
Charging Station	74Q5

5. In Line Charger

The In Line Charger is low cost and convenient, and is perfect for charging small numbers of batteries.

Product code:	
In Line Charger	74Q55



6 & 7. RAT Radio System

The flexibility of our RAT Radio Transmitter and Radio Controlled Light enables each music stand light to be controlled as though it were hard wired to the lighting desk, but without the cables.

- The RAT Radio Transmitter can be powered by its own built in battery or from a supplied mains adaptor.
- The transmitter has two operating modes: Local and DMX Control. Local mode is ideal for use where there is no lighting desk available as all DMX channels are controlled locally from the transmitter. DMX control requires a DMX input signal which is broadcast in its entirety.
- A range of frequencies are available to avoid interference with other radio controlled equipment and there is no limit to the number of devices that can be controlled from a single transmitter.
- Each light can be given its own unique address or can share its address with any number of stands in a group.

Product code:	
RAT Radio Transmitter	40Q21
Radio Dimmer-receiver	Product code of light +RX



THE OPERA STAND

LED OPERA LIGHTS

COMPARISON TABLE

	Duo Opera Light	Trio Opera Light
Supply voltage	120/230V	24V
Can be connected direct to mains supply	Y	
Can be dimmed by dimming the mains supply just like an incandescent bulb	Y	
Can be fitted with IDS box	Y	
Is double insulated	Y	
Has an unswitched coiled cable to the base of the stand, plus 3.5m of straight cable, terminating in a mains plug	Y	
Has an unswitched coiled cable to the base of the stand, terminating in a 2 pin XLR plug		Y
Operates at Safe Extra Low Voltage (SELV)		Y
Can be connected to any 24V DC supply		Y
Can be connected directly to a RATstands plugtop PSU which plugs directly into any mains supply (but will not then be dimmable by dimming the mains supply)		Y
Can be connected to a RATstands DMX PSU		Y
Can be powered by battery		Y
Can be dimmed from the venue's lighting desk using the DMX input of a RATstands DMX PSU		Y
Can be dimmed from the venue's lighting desk using RATstands Radio Control		o
Can be dimmed by lowering the DC supply voltage (factory fitted option, in which case all other dimming controls are disabled)		o
Can be dimmed by adjusting a knob on the lamp housing (but this knob is overridden if under control from the lighting desk using either RATstands Radio Control or RATstands Powerline Control via RATstands DMX PSU)		Y
Colour temperature can be adjusted using the DMX input of a RATstands DMX PSU		Y
Colour temperature can be adjusted using RATstands Radio Control		o
Colour temperature can be adjusted by a knob on the lamp housing (but this knob is overridden if under control from the lighting desk using either RATstands Radio Control or RATstands Powerline Control via RATstands DMX PSU)		Y
Has in-built battery protection and low battery warning		Y
Uses extra -efficient control circuitry to give longer battery usage between charges		Y

o Option extra o* A factory fitted option – all other dimming controls are disabled.

	Duo Opera Light	Trio Opera Light
Construction		
Structural parts	steel	steel
Lamp housing	aluminium	aluminium
Dimensions		
Profile of lamp as seen by user: thickness (mm)	16mm	16mm
Profile of lamp as seen by user: width (mm)	330mm	330mm
Rotation of lamp housing	300°	300°
Cable length from base of stand (m)	3.2	0
Weight (kg)	0.74	0.6
Optical characteristics		
Colour temperature (K)	3000	2700-4000
CRI	80	80 min
Life of LEDs to 70% of initial output (hr)	50000	60000
Light intensity at mid-point of an A4 score (lux)		775 - 825 (warm white - cool white)
Luminous flux from LEDs (lm)	580	450
Electrical characteristics		
SELV (Safety extra low voltage)		YES
Class II insulation (double insulated)	YES	
Operating voltage (V)	Mains	18 - 28
Electrical power consumption (W)	10.1	6.6
Circuit luminous efficacy (lm/W)	57	68
Physical characteristics		
Cable type	coiled cable with polyurethane outer sheath	coiled cable with polyurethane outer sheath
Electrical connector type	mains plug	customised 2-pin XLR
General		
Commercial use warranty	2 years	2 years
Applicable standards	EN55022 EN60598 EN60529	EN55022 EN60598 EN60529
IP rating	IP32	IP32
Markings	CE	CE

THE CONCERT STAND

A classic stand designed in contemporary style, the Concert Stand's slender metal stem and elegantly formed natural wood tray perfectly complement the appearance of a modern or historic concert hall. Trays can be stained to match the appearance of the hall. This stand is perfect for professional musicians, on stage in the world's top performing arts venues.



1. Friction locks automatically hold the tray at whatever angle you set. There are no knobs to fiddle with or lose, and it will never go slack.

2. The heavy-gauge steel stem is very strong and rigid. This stand doesn't sway, and yet can be adjusted smoothly and easily to the desired height, where it stays automatically. The stem is coated in tough, scratch-resistant epoxy.

3. The base is made from tubular steel for strength and rigidity without excess weight. Rubber feet preserve your floor and prevent clatter if the stand is knocked. The base is coated in black nylon for ultimate durability.

4. The tray is available with a double lip which provides space for storing pencils and small instruments. The lip is lined with foam rubber to protect instruments and eliminate noise.

5. Stands nest for compact storage

6. The Concert Pro Stand
The Concert Pro Stand has a thumbscrew for height locking and its base is made of solid steel for extra stability.

7. Customisation
The Concert Stand can be customised to your requirements. Options include specially stained trays to match your auditorium, your logo on the back of the tray, custom tray sizes, and our Classic tray made of nylon coated steel rods.

Specification

Height measured from floor to lower edge of score adjustable between:

Single lip tray:
692 and 1387mm (28" and 55")

Double lip tray:
692 and 1387mm (30" and 57")

Tray size excluding extra lip:
490 x 330mm. (20"x13")

Optional tray size: 600 x 330cm (24"x13")

Weight of Concert Stand: 3.7kg (8lb 2oz)

Weight of Concert Pro Stand: 5.5kg (12lb 2oz)

Product code:

Concert Stand with 49cm wood tray 60Q3

...49cm tray with double lip 60Q4

...60cm tray with double lip 60Q5

...with Pro stem and base ...P

The Concert Stand trolley carries up to 18 stands. It has 2 fixed and 2 swivel castors for easy steering, and is coated in tough scratch-resistant epoxy.

Concert trolley specification

L x W: 1730 x 450mm (68" x 18")

Weight: 13 kg (28 lb)

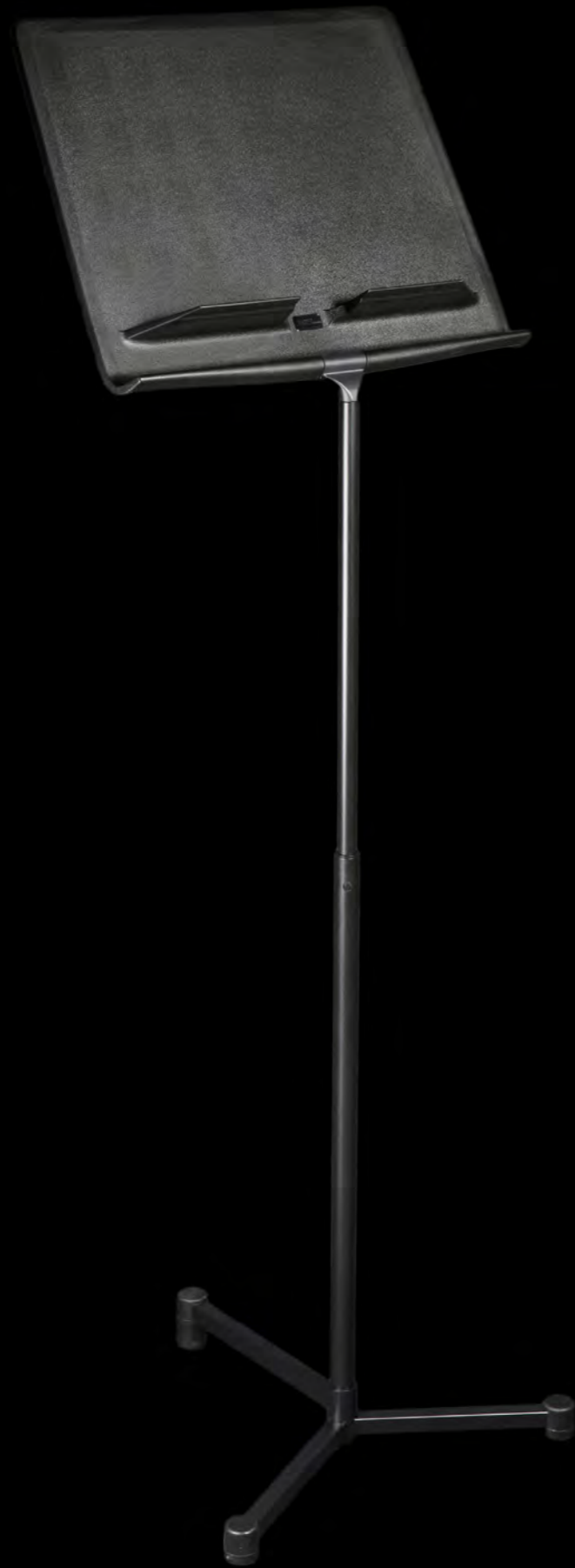
Product code:

The Concert Stand trolley 59Q2



THE PERFORMER STAND

An unbreakable stand, which nests for compact storage and which has no knobs to fiddle with or get lost. The Performer Stand also has rubber feet to protect the floor, a music tray made of a polymer which will not "ring" when knocked, and an extra lip on the music tray for pencils and erasers. An extremely tough and scratch resistant epoxy coating makes this stand enormously durable.



1. The injection moulded tray is virtually unbreakable; if bent, it springs back. The tray is made of a polymer which does not "ring" when knocked. It has smoothly rounded edges all over - safe to handle and kind to your instruments.

2. The tray has an additional shelf for pencils and small instruments.

3. Friction locks automatically hold the tray at whatever angle you set. There are no knobs to fiddle with or lose, and it will never go slack.

4. The heavy-gauge steel stem is very strong and rigid. This stand doesn't sway, and yet can be adjusted smoothly and easily to the desired height, where it stays automatically.

5. The base is made from tubular steel for strength and rigidity without excess weight. Rubber feet preserve your floor and prevent clatter if the stand is knocked.

6. Stands nest for compact storage.

7. At 720mm (28") the closed height is almost 25% less than our competitors' stands, so you can store Performer Stands where others won't fit, such as on shelves or under worktops.

Specification

Height of tray measured from the score to the bottom of the music, adjustable between: 725 and 1320mm. (28½ and 52½")

Weight of stand: 2.9kg (6lb 6oz)

Tray size excluding pencil shelf area: 503 x 323mm (20 x 12½")

Product code:

The Performer Stand 80Q1

The Performer Stand trolley carries up to 18 stands. It has 2 fixed and 2 swivel castors for easy steering, and is coated in tough scratch-resistant epoxy.

The Performer trolley specification

L x W: 1730 x 450mm (68" x 18")

Weight: 13 kg (28 lb)

Product code:

The Performer Stand trolley 59Q2



THE ALTO STAND

What every school needs is an unbreakable stand, which nests for compact storage, has no knobs to fiddle with or get lost, and has a range of height adjustment to suit a child cellist as well as a singer standing on a riser.

The Alto Stand delivers this and more, made with materials which are unbreakable yet will not damage things they are bashed into, the biggest range of height adjustment of any stand on the market, and a design which enables them to stack very easily and compactly.

Add to that some features normally only found on expensive stands, including an aluminium stem, rubber feet to protect your floor, an extra lip on the music tray for pencils and erasers and the lowest storage height on the market.



1. The injection moulded tray is virtually unbreakable; if bent, it springs back. The tray is made of a polymer which does not "ring" when knocked. It has smoothly rounded edges all over – safe to handle and kind to your instruments.

2. The tray has an additional shelf for pencils and small instruments.

3. Friction locks automatically hold the tray at whatever angle you set. There are no knobs to fiddle with or lose, and it will never go slack.

4. The anodized aluminium stem is very strong, rigid and light. This stand doesn't sway, and yet can be adjusted smoothly and easily.

5. The base is made of a polymer which does not "ring" or cause damage when knocked. Optional weights are available for added stability.

6. Rubber feet preserve your floor and prevent clatter if the stand is knocked.

7. The base is designed to enable the stands to stack neatly together. The closed height is more than 25% less than comparable stands, so you can store Alto Stands where others won't fit, such as on shelves or under worktops.

8. The Alto Stand has a greater range of height adjustment than any other stand. The one stand covers the applications for which other manufacturers require three different music stands.

Specification

Height measured from floor to lower edge of score adjustable between: 715 and 1601mm (28" and 63")
 Weight of stand: 2.3kg (5lb 1oz)
 Tray size excluding pencil shelf area: 503 x 323mm (19" x 12")

Product code:

The Alto Stand 88Q01



THE JAZZ STAND

A professional music stand with a full range of height adjustment, industry standard stability and a full size music tray with pencil shelf. And yet, as a result of its unique design it unfolds in three moves from a flat pack no larger than the size of the tray. It does this with no knobs, no finger traps and no hassle; just three easy moves. A supporting range of flight cases, trolleys, carry bags and lights ensure that this is the ultimate travelling stand, both for individual musicians and touring groups.



1. When unfolded, The Jazz Stand is adjusted by raising or lowering it to the desired height and leaving it there. Its friction joints ensure that it stays at the right height.

2. The anodized aluminium stem is very strong, rigid and light. This stand doesn't sway, and yet can be adjusted smoothly and easily.

3. The injection-moulded tray is virtually unbreakable; if bent, it springs back. The tray is made of a polymer which does not "ring" when knocked. It has smoothly rounded edges all over – safe to handle and kind to your instruments.

4. The tray has an additional shelf for pencils and small instruments. Friction locks automatically hold the tray at whatever angle you set. There are no knobs to fiddle with or lose, and it will never go slack.

5. Diecast aluminium legs with supertough scratch-resistant epoxy coating give enormous strength with low weight. Rubber feet preserve your floor and prevent clatter if the stand is knocked.

6. Jazz Stands nest next to each other when standing.

7. The Jazz Stand can be unfolded with its base reversed to enable it to get right up to the chair of the player in front.

8. The Jazz Stand goes high enough for the trumpeter, yet low enough for the youngest cellist. The Jazz Stand's reversible legs enable it to be used as a portable conductor's stand.

9. When folded, Jazz Stands interlock to form an orderly pile.

Specification

Height measured from floor to lower edge of score adjustable between: 432 and 1207mm. (16" and 47")

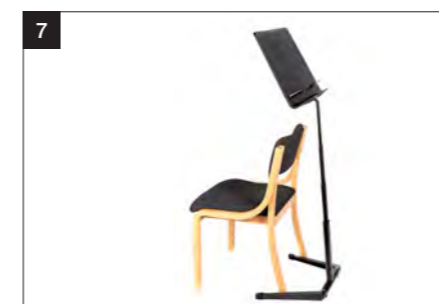
Weight: 2.8kg (6lb 2oz)

Tray size excluding pencil shelf area: 503 x 323mm. (20" x 12½")

Size when folded: 503 x 380 x 50mm (20" x 15" x 2")

Product code:

The Jazz Stand 69Q13



The Jazz Stand Gig Bag

The Gig Bag holds a Jazz Stand and, in a separate compartment, your music and accessories.

Specification

L x W x Thickness:
510 x 400 x 60mm (20" x 16" x 2")

Product code:

The Jazz Stand Gig Bag 69Q2

The Jazz Stand trolley

The trolley holds 24 Jazz Stands.
It is nylon coated for ultimate durability.

Specification

L x W x H:
610 x 570 x 1270mm (24" x 22" x 50")
Weight: 15 kg (33 lb)

Product code:

The Jazz Stand trolley 69Q7

The Jazz Stand Flight Case

Flight cases hold 6 or 24 Jazz Stands.
The larger case is fitted with castors.

6 stand flight case specification

L x W x H: 56 x 44 x 33 cm (22" x 17" x 13")
Weight: approximately 12 kg (26 lb)

24 stand flight case specification

L x W x H: 89 x 57 x 67 cm (35" x 22" x 26")
Weight: approximately 35 kg (77 lb)

Product code:

for 6 stands 69Q3
for 24 stands 69Q4



THE SCHERZO STAND

The Scherzo Stand is a high quality, super-lightweight folding music stand. Being made of aluminium it weighs little more than half as much as other folding music stands of this type. This entry level stand still boasts the quality of design and manufacturing that RATstands demands.

High quality joints make it a pleasure to fold and unfold and it has a precise and positive locking button for adjusting the angle of the tray.

This stand comes complete with a nylon carrying bag.

Specification

Height measured from floor to lower edge of score: adjustable between 480 and 1175mm. (19" and 47")

Weight of stand without bag: 0.68kg (1 lb 7oz)

Weight of stand with bag: 0.85kg (1 lb 13oz)

Tray size: 463 x 293mm (18" x 11.5")

Bag size with stand inside:

68 x 12 x 7 cm (19 1/2" x 4" x 2 1/2")

Product code:

The Scherzo Stand 82Q1



TABLET STANDS

Our tablet stands will fit any 7" to 10" tablet and are unlike any other available. They have adjustable height, swivel and tilt so you can view your tablet from any position or angle and they fold up easily in just a few simple steps. Made using lightweight aluminum and a supertough scratch-resistant coating our tablet stands are strong, stable and designed to last.



THE Z3 TABLET STAND

The Z3 is a tablet stand unlike any other. Its got height – from 40cm to 135cm so you can use it lying down, standing or sitting. Its got swivel – it's 360° rotating cradle allows you to look at your tablet from any angle. It's got tilt – a special joint means you can look at it from any position. Finally, it is light and easy to carry and folds up into a neat bag in just three simple steps.



1. This stand can be folded to a flat pack in three simple moves with no knobs and no finger traps.
2. When unfolded, the stand is adjusted by raising or lowering it to the desired height and leaving it there. Its friction joints ensure that it stays at the right height.
3. A special joint means that you can look at your tablet from any position, and it's cradle turns through 360 degrees.
4. A single knob located on the rear of the cradle allows you to secure or release the tablet with ease.
5. The anodized aluminium stem is very strong, rigid and light. This stand doesn't sway, and yet can be adjusted smoothly and easily.

6. Diecast aluminium legs with supertough scratch-resistant epoxy coating give enormous strength with low weight. Rubber feet preserve your floor and prevent clatter if the stand is knocked.
7. The Z3 stand can be unfolded with its base reversed if required.
8. For further security, a floor bracket is available.
9. This stand fits neatly into the RATstands Gig Bag.
10. The stand is fitted with interchangeable arms so when you change your tablet, it will not matter what size it is. Simply purchase new arms to fit your device.
11. The stand can be fitted with a high quality lock with key. So while you are away your tablet will be safe.

Specification

Height adjustable between: 360 and 1140mm (16" to 54") from floor to bottom of tablet
 Weight of stand: 2.1 kg
 Size when folded: 510 x 380 x 65mm (20" x 15" x 2 1/2")

Product codes:

Z3 Black with Lock	201Q31B
Z3 Silver with Lock	201Q31S
Z3 Black NO Lock	201Q33B
Z3 Silver NO Lock	201Q33S
Floor Bracket	201Q21
Interchangeable Arms	201Q40/201Q49



CONDUCTOR'S STANDS

Designed to meet the exacting requirements of the world's leading conductors and music venues, our conductor's stands are the last word in refined technical design. From simple designs for lit venues and outdoor performances to semi-permanent installations in larger opera houses, we offer conductor's stands to suit every type of music venue and performance.



THE GRAND OPERA CONDUCTOR'S STAND

This stand is designed for semi-permanent installation in the orchestra pit of large opera houses.

- The tray width is adjustable.
- The lights are adjustable for height, reach and angle.
- The very slim LEDlights give the musicians an uninterrupted view of the conductor.
- The extra lights at the sides of the tray give even and very bright illumination of the score. Light reflected off the white tray also helps to illuminate the maestro.
- Electric height adjustment puts control at the maestro's fingertips. A digital display shows the current height, and up to 6 heights can be stored in memory.
- In-built digital clock.
- Articulated accessory tray for personal items
- The base has wheels and adjustable feet to facilitate moving.
- Second shelf for storage of scores.
- Rubber-lined recesses all round the main tray for pencils and batons.

Specification

Electric height adjustment from:
888 to 1868mm (44" to 70")

Other height ranges to order

Weight approximately: 80kg

Tray width adjustable from:
660 to 900mm (26" to 35.4")

Tray depth 620mm (24.5")

Design can be tailored to customer's specification

Product code:

The Grand Opera Conductor's Stand 84Q1



THE CONCERT CONDUCTOR'S STAND

A classic stand designed in contemporary style, The Concert Conductor's Stand's combination of slender metal stem and natural wood tray perfectly complements the appearance of a modern or historic concert hall. Designed with simplicity in mind, the tray is formed from one piece of natural birch and held firmly in place at any angle or height by advanced locking mechanisms.

- The tray has a double lip with a foam rubber lined area for pencils and batons.
- The tray is formed in one piece from natural birch and lacquered to the colour of beech.
- The stem is coated in tough scratch-resistant epoxy, and the base is coated in nylon for ultimate durability.
- The base is made from solid steel for extra stability.
- A thumbscrew positively locks the tray at the desired height.

Specification

Height to mid point of tray adjustable from:
840 to 1560mm (33" - 61")

Weight: 6.0 kg (13 lb)

Tray size excluding pencil tray area:
650 x 450mm (25.5" x 17.5")

Product code:

The Concert Conductor's Stand 60Q6P

Double Duo Clip-on Light

Suitable for The Concert Conductor's Stand. See page 38 for full details of all lights.



The Jazz Conductor's Stand

The Jazz Stand can be unfolded with its base pointing away from the user. It then makes a unique portable conductor's stand. (See page 26 for full details of the Jazz Stand.)



THE OPERA CONDUCTOR'S STAND

The Opera Conductor's Stand has a tray large enough for the biggest opera score. Its elegant, minimalist design and very slim lamp ensure that the musicians get the best possible view of the conductor.

The lamp can be removed if not required. And its powerful light is carefully controlled to avoid dazzling the audience. The whole stand is nylon coated for ultimate durability.

Specification

Height to mid point of tray adjustable from: 815 to 1354mm (32"-53")

Weight without lamp: 13 kg (29 lb)

Weight with lamp: 16 kg (35 lb)

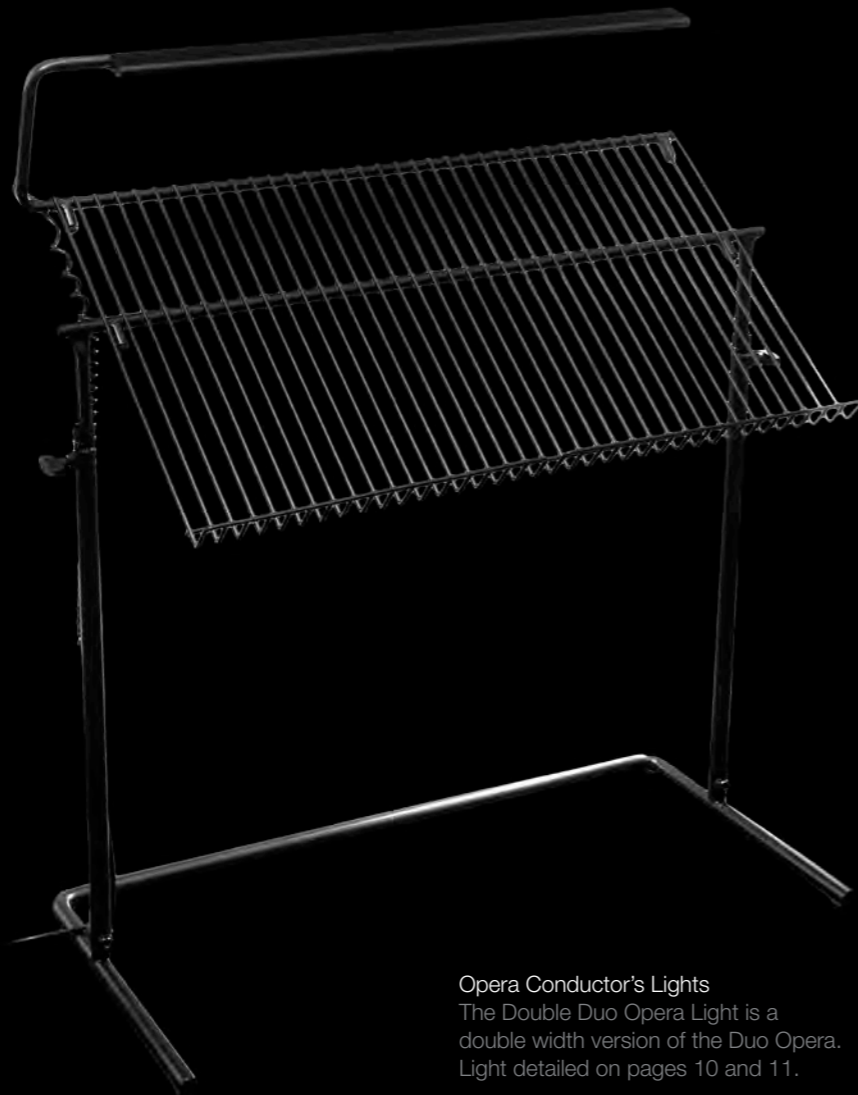
Tray size: 895 x 498mm (35" x 19.5") deep

Available with Classic or wood tray

Product codes:

The Opera Conductor's Stand, Classic tray	57Q1
The Bamboo Opera Conductor's Stand	57Q2
The ABS Opera Conductor's Stand	57Q3
Mains Double Duo Opera Light	66Q62
Double Trio Opera Light	66Q06

See pages 16-17 for light connection and control options



The ABS Opera Conductor's Stand



The Bamboo Opera Conductor's Stand

Opera Conductor's Lights

The Double Duo Opera Light is a double width version of the Duo Opera Light detailed on pages 10 and 11.

The Double Trio Opera Light is a double width version of the Trio Opera Light detailed on page 12.

ROSTRA

Grand Opera Conductor's Rostrum

The Grand Opera Conductor's Rostrum is electrically controlled by a foot switch operated by the conductor. It has a non-slip platform surface and adjustable feet and castors to facilitate moving.

Specification

Electric height adjustment from: 730 to 1400mm (28.5" to 55")

Other height ranges to order

Platform area: 990 x 990mm (39" x 39")

Optional back rail available

Product code:

Rostrum without rail	85Q1
Back rail	85Q2

Stage4 Conductor's Rostrum

The Stage4 Conductor's Rostrum measures 1m square, and can be offered at any height (standard 200mm) by changing the legs. Skirts and handrails are optional. Full details of the Stage3 system are available separately.

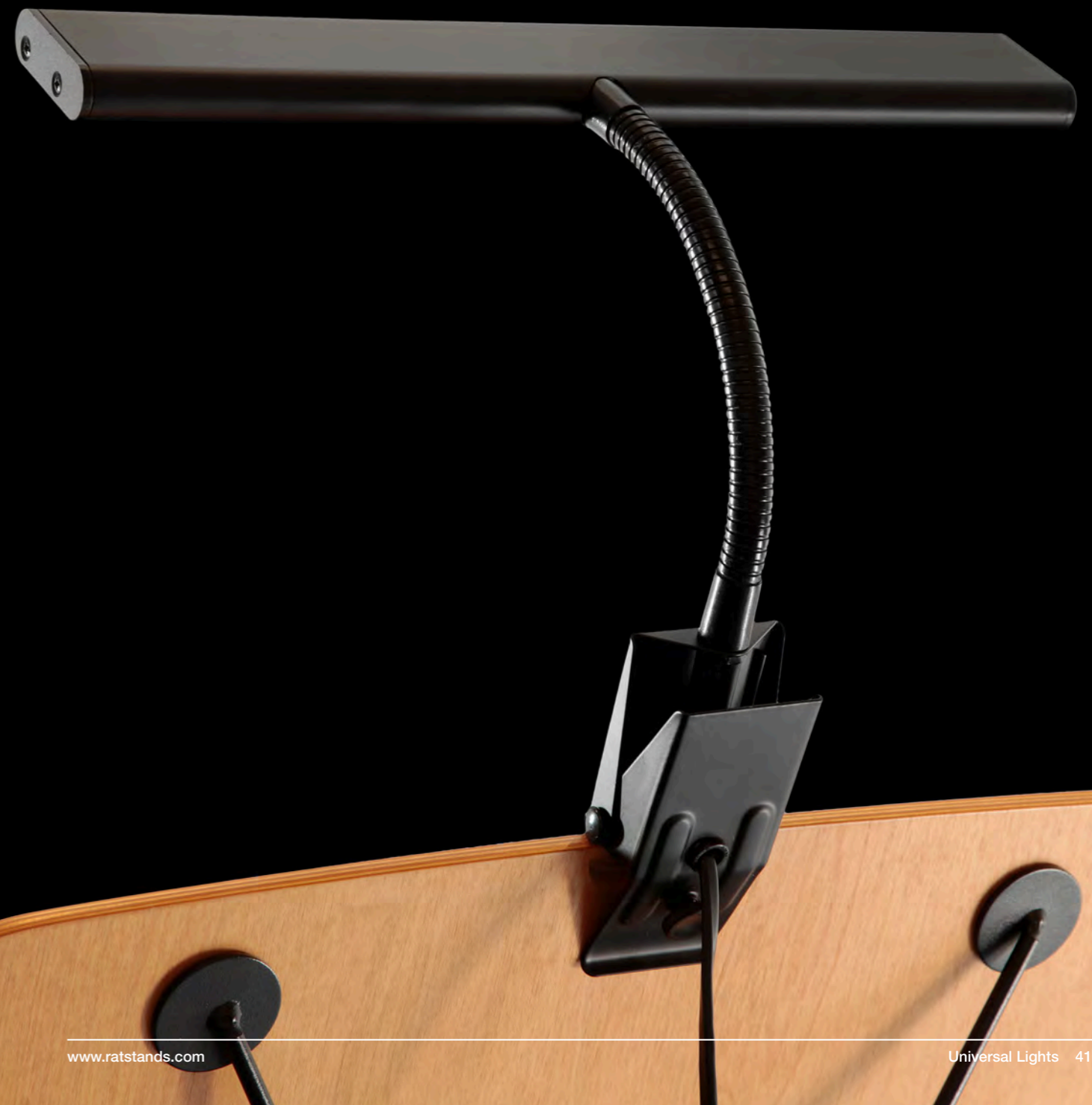
Product code:

Stage4 Conductor's Rostrum	120Q01
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UNIVERSAL LIGHTS

Using the latest high powered LEDs, our lamps provide bright and even illumination of the score with less light spillage than we have seen on any other lamps. The slim housing is designed to allow the musician the best possible view of the conductor. Our mains voltage light can be arranged in a daisychain system or plugged directly into mains sockets and dimmed like any ordinary light.



UNIVERSAL LIGHTS

MAINS VOLTAGE CLIP-ON LIGHTS

100
240v

Mains Clip-on Lights

Our lights are available as clip-on lights which are fitted with a powerful spring clip which enables the light to fit almost any make of stand. A unique design feature enables the clip to grip firmly on any thickness of tray, and yet to be removed simply by squeezing the clip.

Using the latest high powered LEDs, our lamps provide bright and even illumination of the score with less light spillage than we have seen on any other lamps. The slim housing is designed to allow the musician the best possible view of the conductor. Our mains voltage lights can be arranged in a daisychain system or plugged directly into mains sockets and dimmed like any ordinary light.



Duo Clip-on Light

- The Duo Clip-on Light is a professional quality, mains driven lamp that can be found in many venues throughout the world. It is bright enough for any situation and yet the superb cutoff ensures that the light falls on the music score and nowhere else.
- Two state-of-the-art mains voltage LEDs give very bright and even illumination all over the score with very little light spillage.
- Very slim housing does not obstruct the musician's view of the conductor.
- Plugs directly into the mains without the need for a power supply
- Can be controlled at the lighting desk by dimming the mains supply, just like any ordinary incandescent light.

- Warm white LEDs with a colour temperature of 3000K provide light which is relaxing for the professional musician yet make for easy reading of yellowed scores, without the tiring effect of the more common cold white LEDs.
- Will give years of maintenance-free use. LEDs are virtually indestructible and never wear out, so you will never again have to change a bulb in the middle of a performance.
- Over the lifetime of the product lower electricity bills and the absence of bulb replacement costs will repay your initial investment in this truly professional music stand light.
- Double insulated for safety.
- Includes 3m of cable with an inline switch.

Product code:

Duo Clip-on Light 73Q02

Mains Double Duo Clip-on Light

Suitable for conductor's stands and pianos.

Product code:

Mains Double Duo Clip-on Light 73Q52

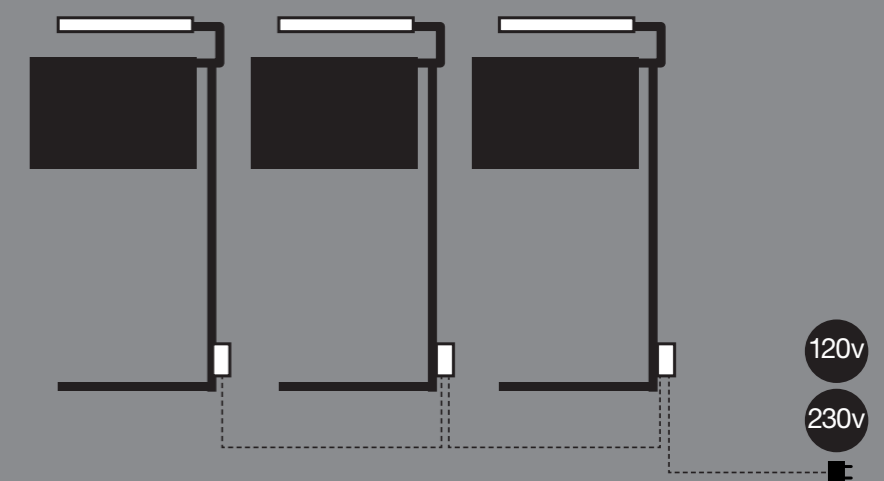


IEC Daisychaining System

As an option, the Duo Light can be ordered with the IEC daisychaining system. It connects adjacent stands using standard IEC extension cables. The IEC junction box locks rigidly to the base of the stem, and is easily removed when the stand is required without the light. The hook at the base of the stem of the Opera Stand helps to tidy the cables, and locking IEC cables ensure that the plugs cannot be accidentally pulled out by tripping over the flex.

Product code:

Product code of light + IDS



UNIVERSAL LIGHTS

24V CLIP-ON LED LIGHTS

24v

24V Clip-on Lights

Designed with absolute flexibility in mind, these professional quality 24V lights operate on battery power or low voltage power supplies as installed in many halls around the world. These lamps feature our best in class LED fittings while supporting the inherent safety of a low voltage supply, or offering up the possibility of wireless control.



Trio Clip-on Light

The best lamp on any music stand anywhere! The Trio gives more light, of better quality and with greater control than any other music stand light on the planet. The Trio is the face of a complete music stand lighting system which provides every conceivable option for control and power delivery.

- 32 state of the art low voltage LEDs give exceptionally bright and even illumination over the entire score.
- Very slim housing does not obstruct the musician's view of the conductor.
- Colour temperature of the light can be varied between 2700K and 4000K.
- Precision light guides ensure excellent cut off of the light resulting in minimal light spillage.

- LEDs are virtually indestructible and never wear out, so you will never again have to change a bulb in the middle of a performance.
- Reduced power consumption and consequent reduction in air conditioning load means using this light is environmentally friendly.
- Over the lifetime of the product lower electricity bills and the absence of bulb replacement costs will repay your initial investment.
- Runs off a 24V power supply for electrical safety.
- Can be powered by batteries, or by mains power using the appropriate PSU – see power supplies.
- When powered by batteries, the light progressively warns the user when the battery is running low, giving plenty of time to change the battery without plunging the musician into darkness.
- When powered by the PSU, lights can be connected to the PSU in a star configuration or in a daisychain.

- Brightness and colour temperature can be controlled by the musician (using the thumb wheels on the lamp), or by the lighting desk.
- Control by the lighting desk has priority over control by the musician.
- Control by the lighting desk can be by Powerline Control (when powered by our DMX PSU) or by the optional radio receiver (when powered by battery).
- Under Powerline Control, the optional Zone Control System enables lights to be assigned to 8 different groups each with its own DMX address for brightness. For operational simplicity, all groups share the same colour temperature.
- With the optional Radio receiver, each light can be assigned its own unique DMX address for colour and brightness.
- A coiled cable from the lamp to ground level enables the stand height to be adjusted without detaching the cable from its hook at the base of the stand.

Product code:

Trio Clip-on Light

73Q03



UNIVERSAL LIGHTS POWER AND CONTROL OPTIONS FOR TRIO LIGHTS

1. Plug Top Mains Adaptor

A low cost solution for powering small numbers of 24V lights.

- One adaptor is required for each light. Each adaptor plugs straight into the mains supply and comes with 2m of cable terminating in an XLR socket.
- The plug top adaptor cannot be dimmed by dimming the mains supply, but this arrangement is compatible with radio control (see page 15) giving independent dimming control of every light and of course the Trio has a built-in dimmer.

Product code:	
Plug Top Mains Adaptor	74Q1

2. DMX-PSU with XLR Daisychaining System

The most convenient way to control lights individually or in a group.

- The DMX-PSU connects to the mains supply by an IEC cable. An IEC outlet on each PSU enables multiple PSUs to be linked.
- The DMX-PSU has two XLR outlet sockets enabling two separate daisychains, with a total of up to 17 lights, to be plugged into one PSU. Each PSU has its own DMX address, so all stands connected to a given PSU are dimmed together." To "Each PSU has its own DMX starter address, and can control the lights connected to it in 8 different zones (if Zone Control is fitted to the lights).
- An XLR Daisychaining box locks to the base of each stand and connects one stand to the next in a daisychain. Each XLR Daisychaining box comes complete with 2m of integral cable.

- Powerline control is achieved when the daisychain is connected using the DMX-PSU and linked to a lighting desk.
- Lights can also have radio control. If fitted, radio control takes priority over Powerline control. Radio control can be operated by the RAT Radio System which can also be connected to the lighting desk.
- Alternatively, the Mains PSU can be used which gives power to up to 17 lights but cannot be controlled using DMX.

Product code:	
DMX-PSU	74Q37
Mains PSU	74Q36
XLR Daisychaining box	74Q31
XLR extension lead, 2m	74Q33
Powerline Dimmer-receiver	Product code of light + PX

3. Rechargeable Batteries

24V lights can be powered by batteries instead of wired power supplies.

- High capacity Li-ion batteries can power a Trio Light at full brightness for over 11 hours; if the brightness is turned down almost imperceptibly the time between charges can be increased to 24 hours.
- Li-ion batteries are lighter and more compact than NiCad and NiMh, and do not suffer from memory effect.
- Batteries can be recharged using the single fast charger, or the charging station which charges up to 10 batteries simultaneously.
- Batteries are recharged in about half the time for which they have been used.
- Ideal for use with radio control giving independent control of every light.
- Batteries incorporate a state of charge indicator.

Product codes:	
Li-Ion Battery	74Q47

4. Charging Station

The Charging Station charges up to 10 battery packs simultaneously. Each charging bay is independent so you can charge as many batteries as you like, and they can all be at different depths of discharge.

Product code:	
Charging Station	74Q5

5. Inline Charger

The Inline Charger is low cost and convenient, and is perfect for charging small numbers of batteries.

Product code:	
Inline Charger	74Q55

6 & 7. RAT Radio System

The flexibility of our RAT Radio Transmitter and Radio Controlled Light enables each music stand light to be controlled as though it were hard wired to the lighting desk, but without the cables.

- The RAT Radio Transmitter can be powered by its own built-in battery or from a supplied mains adapter.
- The transmitter has two operating modes: Local and DMX Control. Local mode is ideal for use where there is no lighting desk available as all DMX channels are controlled locally from the transmitter. DMX control requires a DMX input signal which is broadcast in its entirety.
- A range of frequencies are available to avoid interference with other radio controlled equipment and there is no limit to the number of devices that can be controlled from a single transmitter.
- Each light can be given its own unique address or can share its address with any number of stands in a group.

Product code:	
RAT Radio Transmitter	40Q21
Radio Dimmer-receiver	Product code of light +RX



Apollo Light

The Apollo Light is an entry level lamp manufactured to a professional standard. This rugged light is constructed entirely of metal and runs off a 24V supply.

Universal music stand light with powerful spring clip. Slim aluminium housing, 16mm thick, containing eighteen LEDs with a colour temperature of 3000K. Low voltage light which can be powered by battery or mains power in conjunction with the correct PSU.

- Our Clip-on lights are fitted with a powerful spring clip which enables the light to clamp rigidly to any make of stand in a single action.
- A strip of 18 high quality LEDs with a colour temperature of 3000K provide light which is relaxing for the professional musician yet makes for easy reading of yellowed scores, without the tiring effect of the more common cold white LEDs.
- The very slim housing does not obstruct the musician's view of the conductor. It provides very sharp cut off ensuring that only the score is illuminated

- Reduced power consumption and consequent reduction in air conditioning load means using this light is environmentally friendly. Over the lifetime of the product lower electricity bills and the absence of bulb replacements costs will repay your initial investment. The lamp runs off a 24V power supply for electrical safety.
- The lamp can be powered by batteries (coming soon), or by mains power using the appropriate PSU – see power supplies. When powered by the RATstands PSU, up to 24 lights can be connected to the PSU in a star configuration or in a chain with up to eight connectors.
- LEDs are virtually indestructible and never wear out, so you will never again have to change a bulb in the middle of a performance. LEDs also give years of maintenance free use. Over the lifetime of the product lower electricity bills and the absence of bulb replacements costs will repay your initial investment in this truly professional music stand light.
- Includes 4.5m of cable from the clip.

Product code:

Apollo Light	73Q06
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Available for the Apollo Light



Plug Top Mains Adaptor

A low cost solution for small numbers of stands. Each light comes with a Plug Top Mains Adaptor included unless otherwise specified.

- One adaptor is required for each light. Each adaptor plugs straight into the mains supply, and comes with 2m of cable terminating in a DC plug.
- The plug top adaptor cannot be dimmed by dimming the mains supply.

Product code:

Plug top mains adaptor	74Q12
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DMX-PSU – Apollo

The DMX-PSU connects to the mains supply by an IEC cable. An IEC outlet on each PSU enables multiple PSUs to be linked.

The DMX-PSU connects to the Apollo Light in a chain formation of up to 24 lights. A cable connects to the DMX-PSU and then has 8 available sockets stemming from it where the lights are connected.

Product code:

DMX-PSU – Apollo	74Q38
8-way daisy chain cable (bud system)	74Q383
8-way star cable	74Q384

Star Light

The Star Light is a low cost alternative to RATstands professional range of lights. The low weight and compact size make this an ideal travelling companion for the musician on the move.

- Ten LEDs give even illumination of the score and good control of the light.
- A universal clip allows the user to attach the light to any music stand or suitable surface.

- The Star Light is powered using Lithium-Ion batteries and can be recharged while in use with the charger which is supplied with the light.
- At its maximum output the light will last over five hours between charges.
- Li-ion batteries ensure longer periods between charge while minimising the weight of the light.
- The light has two output levels which are controlled by a switch on the side of the housing.
- A carry bag is included to protect the light while on the move.

Product code:

Star Light	89Q1
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UNIVERSAL LIGHTS LED CLIP LIGHTS COMPARISON TABLE

	Duo Clip-on Light	Trio Clip-on Light	Star Light	Apollo Light
Supply voltage	120/230V	24V	24V	24V
Can be connected direct to mains supply	Y	Y		
Can be dimmed by dimming the mains supply just like an incandescent bulb	Y	Y		
Can be fitted with IDS box	Y	Y		
Is double insulated	Y	Y		
Has a switched straight cable, 3m long, terminating in a mains plug	Y	Y		
Has an unswitched coiled cable to the base of the stand, terminating in a 2 pin XLR plug	O	Y		
Operates at Safe Extra Low Voltage (SELV)		Y	Y	Y
Can be connected to any 24V DC supply		Y		Y
Can be connected directly to a RATstands plugtop PSU which plugs directly into any mains supply (but will not then be dimmable by dimming the mains supply)		Y		Y
Can be connected to a RATstands DMX PSU		Y		Y
Can be powered by battery		Y	Y	Y
Can be dimmed from the venue's lighting desk using the DMX input of a RATstands DMX PSU		Y		Y
Can be dimmed from the venue's lighting desk using RATstands Radio Control		O		
Can be dimmed by lowering the DC supply voltage (factory fitted option, in which case all other dimming controls are disabled)		O		Y
Can be dimmed by adjusting a knob on the lamp housing (but this knob is overridden if under control from the lighting desk using either RATstands Radio Control or RATstands Powerline Control via RATstands DMX PSU)		Y		
Colour temperature can be adjusted using the DMX input of a RATstands DMX PSU		Y		
Colour temperature can be adjusted using RATstands Radio Control		O		
Colour temperature can be adjusted by a knob on the lamp housing (but this knob is overridden if under control from the lighting desk using either RATstands Radio Control or RATstands Powerline Control via RATstands DMX PSU)		Y		
Has in-built battery protection and low battery warning		Y		
Uses extra-efficient control circuitry to give longer battery usage between charges		Y		
Supplied with plug top charger			Y	
Can be used whilst charging with plug top charger			Y	

O Option extra O* A factory fitted option – all other dimming controls are disabled.

	Duo Clip-on Light	Trio Clip-on Light	Star Light	Apollo Light
Construction				
Structural parts	steel	steel	Plastic	steel
Lamp housing	aluminium	aluminium	Plastic	aluminium
Dimensions				
Profile of lamp as seen by user: thickness (mm)	16	16	20	16
Profile of lamp as seen by user: width (mm)	330	330	205	330
Rotation of lamp housing	as permitted by gooseneck	as permitted by gooseneck	as permitted by gooseneck	as permitted by gooseneck
Cable length (from clip, fully stretched) (m)	3.5	1.8	2m (charger cable)	5
Weight (kg)	0.53	0.6	0.25 (without charger)	0.6
Optical characteristics				
Colour temperature (K)	3000	2700-4000	6000	3000
CRI	80	80 min		80 min
Life of LEDs to 70% of initial output (L70) (hr)	50000	60000		50000
Light intensity at mid-point of an A4 score		775 - 825 (warm white - cool white)	320 / 75 (high / low)	
Luminous flux from LEDs (lm)	580	450		300
Electrical characteristics				
SELV (Safety extra low voltage)		YES	YES	YES
Class II insulation (double insulated)	YES			
Operating voltage (V)	Mains	18 - 28		24V
Electrical power consumption (W)	10.1	6.6	0.7	4.3
Circuit luminous efficacy (lm/W)	57	68		70
Physical characteristics				
Cable type	mains cable with inline switch, PVC outer sheath	coiled cable with PU outer sheath	straight cable with PVC sheath (charger cable)	straight cable with PVC sheath
Electrical connector type	mains plug	customised 2-pin XLR	plug-top charger with DC plug	DC Plug
General				
Warranty	2 years	2 years	2 years	2 years
Applicable standards	EN55022 EN60598 EN60528	EN55022 EN60598 EN60529	EN55022 EN60598 EN60529	EN55022 EN60598 EN60529
IP rating	IP32	IP32	IP32	
Markings	CE	CE	CE	CE

ACCESSORIES

We supply a range of high-quality accessories to complement our music stands and ensure they meet the precise needs of every musician. Our accessories include highly effective Acoustic Screens, stand attachments for Instrument Holders and Shelves, Windcheaters, Microphone Booms and Pencil Trays.



ACCESSORIES

STAND ATTACHMENTS

1. Microphone Boom

A strong spring clip with rubber pad clamps to any position around the periphery of the music tray. A 45cm long gooseneck enables the microphone to be positioned just where you want it.

Product code:	
Microphone Boom	55Q1

2. Windcheater

The Windcheater consists of a specially formed clear cover which is pulled gently towards the music tray by an elastic strap. When you want to turn a page, just pull the cover towards you, turn the page, and release the cover. Your music will never blow away again.

Product code:	
Windcheater	75Q1

3. Instrument Shelf

A foam rubber-lined tray which clamps rigidly to the stem of The Opera, Concert and Performer Stands. Nylon coated for ultimate durability.

Dimensions: 370 x 120mm deep (14" x 5")

Product code:	
Instrument Shelf – The Opera Stand	56Q8
Instrument Shelf – The Concert & Performer Stands	56Q9

4. Pencil Tray

A foam rubber lined tray which clamps rigidly to the Classic music tray of the Opera and Concert stands. Nylon coated for ultimate durability. Foam rubber-lined to prevent clatter.

Dimensions: 400 x 40mm deep (16" x 1 1/2")

Product code:	
Pencil Tray	56Q6



5. Instrument Holders

A range of attachments which clamp to the stem of The Opera, Concert and Performer Stands. Nylon coated to protect the instruments and for ultimate durability.

Product code:	
Mute Holder	56Q14
Triangle Holder	56Q13
Trumpet Holder	56Q12
Violin Holder	56Q11

5



ACCESSORIES

THE ACOUSTIC SCREEN

The Acoustic Screen is designed to deflect sound waves away from the player immediately in front of it, while providing maximum visibility for the player behind. The stand benefits from a strong and stable design and nests for compact storage.

The heavy-gauge steel stem is very strong and rigid. This stand doesn't sway, and yet can be adjusted smoothly and easily to the desired height, where it stays automatically. The stem is coated in tough, scratch-resistant epoxy.

The base is made from tubular steel for strength and rigidity without excess weight. Rubber feet preserve your floor and prevent clatter if the stand is knocked. The base is coated in black nylon for ultimate durability.

A cloth cover is available to protect the transparent baffle when the screen is not in use. Screens nest for compact storage.

Specification

Height of baffle measured to its mid point:	adjustable from 850 to 1550mm (33"-61")
Weight:	3.9kg (8lb 9oz)
Size of baffle:	510 x 430mm high (20" x 17")
Optional baffle size for percussionist:	63cm wide x 90cm high (25" x 35")

Product code:

The Acoustic Screen	65Q1
Protective Cover	65Q21
Percussionist's screen	65Q4



THE OPERA CHAIR

A chair for professional musicians, giving excellent lumbar support and with adjustable seat angle. Optional adjustable legs enable the angle of the backrest and height of the chair to be adjusted as well. A near vertical stack and small stacking pitch enable the chair to be stacked on a flat floor without the need for a trolley.



1. The seat and back profiles are designed to provide the optimum seating position for musicians. The back provides support in the upper lumbar region encouraging an upright posture, whilst the horizontal seat with downturned front edge enables the musician to keep his feet flat on the floor. The highest quality foam provides firm but comfortable support for hours on end.

2. The narrow back provides support where it is needed without hindering the musician's arms, shoulders and rib cage. The upholstery is protected by the frame at the point where it is typically subjected to its greatest wear.

3. As an option, the angle of the seat can be adjusted. This is particularly useful for those who like to perch on the front edge of the seat, and those who like to lean against the back in a less upright position.

4. Adjustable legs are available as a further option. This enables height, seat angle and back angle to be independently adjusted. It also enables the chair to stand level on a sideways sloping floor such as a raked stage. Chairs with adjustable and non-adjustable legs can be mixed in the same stack.

5. Opera chairs can be stacked in a near vertical stack, on a flat floor. No storage cart is required for this, but a trolley is available to assist in moving large stacks of chairs. Different sizes and variants of the chair can be mixed in a stack.

6. The very sturdy chair frame is coated in textured epoxy. A vast range of fabric types and colours is available.

Product code:	
Non adjustable:	301Q48
Adjustable seat angle:	302Q48
Adjustable seat and legs:	303Q48



STAGE4

Stage4 makes building your performance area even easier with stronger platforms, lighter materials and with all the flexibility expected from a top staging system. Platforms are easy to manoeuvre and operate which rapidly reduces the time spent on setting up. A re-designed corner bracket makes our Stage4 platforms stronger and safer than ever before. The Speedlock system has also been improved resulting in a more robust connection between platforms. Stage4 is also compatible with RATstands Stage3 system.

1. Very strong

The aluminium frame and diecast corners give it low weight and incredible strength. Rounded corners will not cause damage or injury. Corner brackets have a cam locking system which clamps all along the socket depth unlike most other systems which only acts at the mid point. The locking system results in a very strong and rigid connection between the leg and the stage.

2. Flexible and adaptable

Unlike other staging systems you can lock Stage4 tops together in almost any position, using a key operated from above the stage. No other staging system can do this. In addition to standard metric and imperial sizes, custom sized tops are available according to your exact requirements. Non standard shapes can be made with any number of sides, with curved or straight edges: any shape can be made. Stage4 is also compatible with our existing Stage3 system.

3. Speedlocks

Platforms are easily locked together by turning a key which is inserted into the top of the stage. There is no more scrabbling around underneath it and no need for additional linking pieces. Speedlocks enable platforms to be locked even though they are initially of different heights and not pulled properly together; enabling superfast joining of adjacent platforms. Enough load can be transferred by the Speedlock to allowing adjacent platforms to share the same leg. The status of the Speedlock is visible from above; instant verification that the Speedlocks are all locked.

4. Corner joints

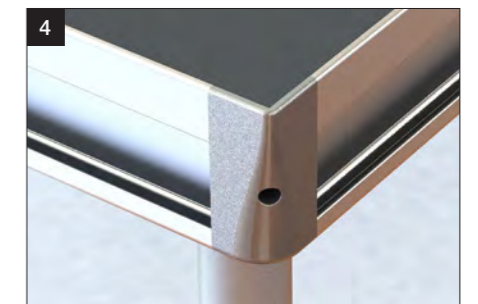
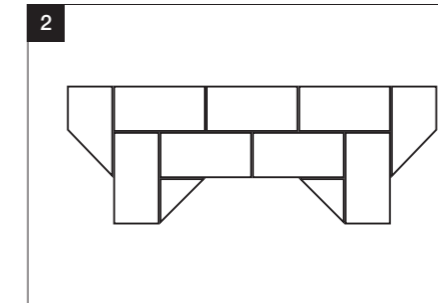
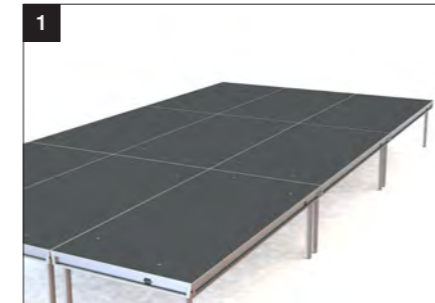
Most staging systems have mitred joints at their corners, creating dangerously sharp edges. Stage4 has corner joints which are strong, rounded and user friendly which will not damage other things or cause injury to people. Corner joints can be easily replaced in the unlikely event that they are broken.

5. Handrails

Handrail sockets are easy, fast and convenient to install, simply fit the socket to the edge of the stage and rotate the locking lever. Handrails have a flat profile with no projecting pieces and are easy to store and transport. Handrails are available for all loadings from 0.25kN/m up to 3kN/m: handrails with lower loadings are lighter and less expensive than those with higher loadings, so you can choose your handrails according to the application.

6. Legs

Stage4 platforms use round legs, which are rigidly locked into position by a flick of the integral quick action lever. The legs are the same size as standard scaffold tube so if you need an odd length of leg, the material is commonly available. Optional Top-adjustable legs can be adjusted 20mm up or down from above the stage using the same key as for the Speedlocks, eliminating the need to access the underneath of the stage area once set up.



7. Castors

Just remove the legs from a platform and replace them with Castors to make a trolley which can support 14 more platforms.

8. Leg Clamps

Leg Clamps enable stages of unequal heights to be locked together.

9. Leg-To-Edge Clamps

The Leg-To-Edge Clamp locks a leg to the edge of a lower platform. It can be locked at any point around the edge of a platform, and is applied after the platforms have been arranged.

10. Modular Stairs

Single stair treads interlock to form a staircase of any height. The assembled staircase then clamps quickly to the edge of the platform, at any position around the periphery. Riser heights are individually adjustable so that every riser in a flight can be set equal. When dismantled, individual steps interlock for compact storage. Handrails are available separately.

11. Fixed Stairs

Stairs with fixed numbers of treads are ideal for users who regularly set the staging at one given height. The foot of the staircase is adjustable to different stage heights within a range. Handrails are available separately.

12. Skirts

Skirts attach to the side of the staging system using hangers which lock into the T slot. When no skirting is required the hangers are removed so no unsightly Velcro remains.

Also available but not shown are:

Facia Hangers

The Facia Hanger locks to any point around the periphery of a platform, and provides a number of convenient holes with which your own facia or scenery can be attached to it.

Ramps

Ramp connectors enable any top to be made into a Ramp, which can be connected to the stage at any point.

Trap Door

Built into 1m platform and is operated by hinges along one edge.

Trolleys

To facilitate manoeuvring and storage in tight spaces, the trolley holds up to 5 platforms in a near-vertical position.

Grill

Built into 1m platform and can be used to pass light, smoke and bubbles from beneath the stage.



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LIGHTING
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AND
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