

PHILIPS

Platinum range

Razor-sharp,
pure **Platinum**

Razor-sharp, pure Platinum

Its razor-sharp light beams have revolutionized the industry in a relatively short amount of time since the first innovative MSD Platinum 5 R was launched in 2010.

Successful productions are the result of close teamwork, as is getting the right lighting solution. Philips has been working with leading fixture makers for years, jointly developing innovative solutions for high performance fixtures in the entertainment market. The Philips Platinum range is one of the products of this close industry cooperation: Platinum lamps provide powerful, compact, brilliant and intense lighting for every type of event.

Platinum technology

Philips MSD/MSR Platinum lamps are the original, brightest, and most compact short arc lamps on the market, enabling the design of small, flexible, and extremely efficient

fixtures. The very short arc produces a sparkling, bright light that eliminates shadows and reproduces vivid colors perfectly. The Platinum system is compact and lightweight too, so it can be used anywhere. In short, more light output, more design possibilities, and less energy consumption.

Quality assured

Since Philips Platinum lamps are technologically advanced, close cooperation is required during the design-in to ensure optimum performance of the entertainment fixture. We therefore advise to always replace end-of-life lamps with the original Philips Platinum types.



High-end reflector lamp for DJ/club lighting

Most top clubs want powerful intense lighting from compact moving heads.



The Philips MSD Platinum 2 R is a powerful high-end reflector lamp and is ideal for scanners and fast-moving effect lights. Leading manufacturers have already started implementing this lamp in their entertainment fixtures successfully.

Design-ins

See page seven for a list of initial design-ins.

Amazing characteristics

Philips MSD Platinum 2 R produces a sparkling, bright light that eliminates shadows and reproduces brilliant and vivid colors. Being the most compact reflector lamp system available today means that small, lightweight fixtures can be developed, offering more design possibilities. The high precision reflector and innovative burner-filling result in a bright and efficient light beam: the light output is equivalent to a MSD lamp of 300W, yet energy consumption is halved. Moreover, these benefits can be enjoyed over the 6,000 hours lifetime of the lamp system, which is twice as long as of other MSD lamps.



MSD Platinum 2 R

Specifications

Type	Lamp wattage (W)	Arc size (mm)	Lumen output (lm)	Colour temp (K)	CRI	Max allowable pinch temp (°C)	Average lamp life (h)	Working distance (mm)	Burning position
Philips MSD Platinum 2 R	132	0.9	5150	8000	75	350	6000	37.7	Any

Design freedom for Touring/Stage lighting

Today, stage lighting is all about creating impact and powerful effects. High brightness and high-contrast beams are needed, using compact luminaire and fixture designs that improve creative choice and flexibility. All lamps have been developed to deliver just this balance. These compact, lightweight lamp systems provide the freedom to create smaller, lighter luminaires – for use at any location on stage. Fixtures incorporating this range of lamps have been released by leading manufacturers, with the latest being the Platinum 25 R, offering extreme brightness, and the Platinum 200 and 400 Flex with increased flexibility.



Choosing the right lamp

Philips Platinum lamps for touring and stage lighting fixtures serve four main categories:

- **Philips MSD Platinum 5 R** for laser effects with beam fixtures in less demanding applications. Combines high beam intensity with outstanding color reproduction and a long life.
- **Philips MSD Platinum 11 R, 14 R, 15 R, 16 R, 17 RA, 20 R(B), 21 R and 25 R** for follow-spots, profile fixtures and beam fixtures. The 17 RA, 20 R(B) and 21 R produce a powerful and brilliant intense light for every type of event.
- **Philips MSR Platinum 35** for smaller high power lighting fixtures. This extremely bright lamp is a replacement for MSR Gold 1200W and offers added flexibility and enables small fixture building.
- **Philips Platinum 200 Flex, 300S Flex, 400 Flex and 500 Flex** with flexible options enabling more functionalities for your fixture.



MSD Platinum 5 R
MSD Platinum 12 R LL
MSD Platinum 14 R



MSD Platinum 15 R
MSD Platinum 16 R
MSD Platinum 18 R LL



MSD Platinum 11 R
MSD Platinum 17 RA



MSD Platinum 19 R LL



MSD Platinum 20 R(B)



MSD Platinum 21 R
MSD Platinum 25 R



MSR Platinum 35

Specifications

Type	Lamp wattage (W)	Arc size (mm)	Lumen output (lm)	Colour temp (K)	CRI	Max allowable pinch temp (°C)	Average lamp life (h)	Working distance (mm)	Burning position
Philips MSD Platinum 5 R	189	1.0	7950	8000	75	350	3000	34.5	Any
Philips MSD Platinum 11 R	250	1.0	12000	7800	80	350	2000	38.7	Any
Philips MSD Platinum 12 R LL	260	1.0	14000	7800	80	350	2000 (nominal) - 6000 (entertainment cycle)	34.5	Any
Philips MSD Platinum 14 R	280	1.0	12350	7800	80	350	2000	34.5	Any
Philips MSD Platinum 15 R	300	1.3	14550	8000	75	350	2000	31.4	Any
Philips MSD Platinum 16 R	330	1.3	16000	8000	75	350	1500	31.4	Any
Philips MSD Platinum 17 RA	350	1.0	15250	7000	85	350	1500	38.7	Any
Philips MSD Platinum 18 R LL	370	1.0	22000	8000	80	350	1500 (nominal) - 6000 (entertainment cycle)	31.4	Any
Philips MSD Platinum 19 R LL	420	1.0	23000	8000	80	350	2000 (nominal) - 5000 (entertainment cycle)	31.4	Any
Philips MSD Platinum 20 R(B)	470	1.2	22400	8000	80	400	1500	31.4	Any
Philips MSD Platinum 21 R	470	1.2	23000	8000	80	350	1500	59	Any
Philips MSD Platinum 25 R	550	1.4	26000	7800	81	350	1500	59	Any
Philips MSR Platinum 35*	800	3.0	57800	8500	72	450	1000	n.a.	Any

* Cap base: PGJX36

MSD Platinum Flex

The flexible solution for your fixture

The new Platinum Flex lamp is designed with flexible options, enabling more functionalities for your fixture.

The deep dimming option of the lamp –used when the shutter of the fixture is closed– makes it possible to have an extreme long lifetime and energy savings of 30 to 45%. The flexibility of the power levels makes it possible to have a real linear dimming effect from a beam moving head. Next to the excellent lumen output in different colors, the Platinum Flex platform enables the fixture to produce more color combinations and color corrections.

Thanks to the intelligent driver scheme, the Platinum Flex platform supports more features, in addition to the renowned Platinum features.

Benefits	Features
Extremely long lifetime, reduced power consumption by 30-45%	Deep dimming when shutter closed
Enhanced lumen output in different colors, more color combinations and color corrections	Wide power range
Real linear dimming effect	Flexible power levels
High beam intensity	Very short arc
Freedom to create smaller and lighter fixtures	Compact system
High perceived brightness	High correlated color temperature
A long and reliable performance	Philips Platinum technology



MSD Platinum 200 Flex



MSD Platinum 300S Flex



MSD Platinum 400S Flex
MSD Platinum 500S Flex



MSD Platinum 400L Flex
MSD Platinum 500L Flex

Specifications

Type	Lamp wattage (W)	Arc size (mm)	Lumen output (lm)	Colour temp (K)	CRI	Max allowable pinch temp (°C)	Average lamp life (h)	Working distance (mm)	Burning position
Philips MSD Platinum 200 Flex	190-280 ²	0.8	14000 ³	8000 ³	80 ³	350	2000-6000 ¹	42.4	Any
Philips MSD Platinum 300S Flex	330-380	1.0	22000 (at 370W)	8000	80	350	2000-6000	31.4	Any
Philips MSD Platinum 400L Flex	370-480 ⁵	1.2	24000 ⁶	8000 ⁶	80 ⁶	350	2000-6000 ⁴	59	Any
Philips MSD Platinum 400S Flex	370-480 ⁵	1.2	24000 ⁶	8000 ⁶	80 ⁶	350	2000-6000 ⁴	31.4	Any
Philips MSD Platinum 500S Flex	370-560	1.4	33000 (at 550W)	8000	80	350	1500-4500	31.4	Any
Philips MSD Platinum 500L Flex	370-560	1.4	26000 (at 550W)	8000	80	350	1500-4500	59	Any

¹ At nominal lamp power: 2000h, In entertainment cycle: 6000h (all moving). Entertainment cycle is the lifetime cycle which is representative for use in the Touring/Stage segment. During 70% of the time the fixture is in idle mode (shutter closed) and during 30% in active mode (all moving, shutter open). In the active mode, a whole range of commonly used conditions in entertainment shows, are tested (color, dim, boost, white....) In the idle mode, the fixture will go into the deep dim level.

² Nominal level 240W, Minimum dim level (active mode) 190W, Deep dim level (idle mode) 84W, Maximum boost level 280W at 240W

⁴ At nominal lamp power: 1500h, In entertainment cycle: 4000h (all moving). Entertainment cycle is the lifetime cycle which is representative for use in the Touring/Stage segment. During 70% of the time the fixture is in idle mode (shutter closed) and during 30% in active mode (all moving, shutter open). In the active mode, a whole range of commonly used conditions in entertainment shows, are tested (color, dim, boost, white....) In the idle mode, the fixture will go into the deep dim level.

⁵ Nominal level 470W, Minimum dim level (active mode) 370W, Deep dim level (idle mode) 190W, Maximum boost level 480W

⁶ at 470W

Purpose-built for Film/Studio lighting

As every stage director knows, color purity and evenly distributed light are essential ingredients for any production, whether in a theater or on a movie set. This is especially true for accurate reproduction of skin tones.



35 ST has been especially developed for Studio/Theater lighting fixtures to ensure consistent high quality light output with the right level of brightness, color rendering and color temperature – in any burning position. The result is true natural colors on stage, attractive and accurately exposed pictures for film and video.

These ingredients ensure that the 35 ST is found in several fixtures, greatly extending the application areas for the Platinum fixtures.

Design-ins

See page eight for a list of initial design-ins.

The best choice in Studio/Theatre

Platinum 35 ST has a color temperature of 6000 Kelvin. All colors are faithfully reproduced thanks to the high color rendering and a better balanced spectrum, where the red content of the spectrum has been improved.

With this level of unrivalled brightness from such a compact light source, the Platinum 35 ST enables even more compact fixture designs.



MSR Platinum 35 ST

Specifications

Type	Lamp wattage (W)	Arc size (mm)	Lumen output (lm)	Colour temp (K)	CRI	Max allowable pinch temp (°C)	Average lamp life (h)	Working distance (mm)	Burning position
Philips MSR Platinum 35 ST*	800	3	57800	5500	72	450	750	n.a.	Any

Design-in overview

Fixture brand

Fixture model

Acme	AE-275B / AE-275R / AE-710Beam
ADJ	Vizi Roller Beam 2R / Vizi Beam Hybrid 2R
Elation	Rayzor Beam 2 R / Sniper 2 R
Jolly	X-SMART BEAM
Terbly	LS-2R / LBM-2R / VDH-2R / PDH-2R / PTB-2R
Triton Blue	2R-BEAM
Acme	XP-5R BEAM / XP-5R BEAM II
ADJ	Vizi Beam 5R / Vizi Spot 5R
Clay Paky	Sharpy
DTS	Jack
Ehrgeiz	Cobalt Plus 5R / Cobalt Plus Beam 5R / Cobalt Plus Spot 5R
Elation	Platinum Beam 5 R / Platinum Beam 5 R Extreme / Platinum Spot 5 R Pro
Futurelight	PLB-5R / PLS-5R
Jolly	X-BEAM 5R / X-SPOT 5R
PR Lighting	XR 200 Beam
Terbly	PT160 Pro / JT160-E / JT160B / PT160B / PT160B Pro / PT 189B
Triton Blue	5R-BEAM / 5R-SPOT / 5R-BEAM-PRO
Martin Professional	RUSH MH7 Hybrid
PR Lighting	PR-2206
Acme	XP-320 BEAM - XP 320 BEAM IP
ADJ	VIZI BEAM 12 RX - HYDRO BEAM X12
Acme	XP-280 BS
ADJ	VIZI BEAM 14RX
DaGe	AX-2882
Elation	Platinum HFX / Proteus Beam V14B IP / Sniper Pro
PRG	Icon BEAM
Terbly	G14B-IP / G9 Hybrid/ G9B
Acme	XP-15R SPOT
Ehrgeiz	Cobalt X-Beam 15R
Elation	Platinum Spot 15R / Platinum Spot 15R Pro / Platinum Beam 15R
Fine Art	Fine 300 beam / Fine 300 wash
Futurelight	PLB-15R / PLS-15R
GRIVEN	Graphite 2000
Jolly	X-BEAM 15R
PR Lighting	XR 300 Beam
Terbly	Pt 320S spot / PT322S spot basic/ Pt 320B beam / FS300M Follow-Spot
Triton Blue	15R SPOT / 15R BEAM / 15R Follow-Spot
Acme	XP-16R BSW II / XP-16R BSW PRO / XP-16R Beam II XP-16R BSW / XP-16R Spot / XP-16R Beam
Clay Paky	Sharpy Wash 330
DTS	Max / Max L
Elation	Platinum Wash 16 R Pro
Fine Art	Fine 330 wash / Fine 330 spot
Jolly	X-SUPER BEAM
Terbly	PT330W
Elation	Platinum BX / Platinum SBX
Fine Art	Fine 350BSW
Philips Varilite	SL Hydrus 350
PR Lighting	PR2362 BWS
Terbly	G10B Beam / G10 Hybrid
Triton Blue	Mega Beam G10 / HYBRID-G10 Beam-Spot-Wash
Acme	XP-380 BSW / XP-380 BSW Pro
Martin Professional	ERA 500 Hybrid IP
Acme	XP 500 BEAM
Acme	XP-20R BEAM / XP-20R BSW
Clay Paky	Supersharpy / Mythos
DeSheng	MH-470BWS IP / MH-470B IP
Elation	Platinum FLX
Fine Art	Fine 470BSW / Fine 470 BEAM
Jolly	X-5 Couple
Terbly	G12WB Beam & Wash / G12 Hybrid

Philips lamp type

Philips MSD Platinum 2 R
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New solutions for Touring/ Stage lighting

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3222 635 71900 * OCT 2022