



CINEO | HS²™

Remote Phosphor

Cineo Lighting continues to pioneer Remote Phosphor technology for image capture with HS², the second generation of the revolutionary HS fixture currently in use on motion picture sets and in broadcast studios worldwide. All HS² components are 100% cross-compatible with all legacy HS fixtures, accessories, phosphor panels, and cabling.

The HS² lamphead features an integrated design, an improved safety switch and 80/20 mounting slots for attaching the yoke and accessories. Two distinct mixing chambers allow custom CCT mixing via DMX. New hinged top access panel allows for easy phosphor panel and accessory changes. Maximum output is 25,000 lumens.

The RDM450 is smaller and lighter weight than the legacy power supply and features completely re-designed electronics for improved reliability. Other new features include digital display and control, remote programming via RDM, fine dimming, smooth dimming and strobe capability. The RDM450 can be attached directly to the HS² head for one-piece operation or operated remotely up to 300 feet from the fixture.

HS² is also uniquely suited for green and chroma key applications. Traditional white fixtures waste 70% or more of the light when used to light green or blue screens, while HS² translates 100% of the available light into optimized green or blue light. In addition the Cineo HS² features 2 light mixing chambers, making it possible to convert 50% of the fixture to green and the other 50% to either tungsten or daylight.

HS² represents Cineo Lighting's commitment to constant innovation of illumination technology. This second generation tool builds upon Cineo's years of experience in Remote Phosphor Technology while continuing to provide the unexcelled brightness, extremely accurate color quality, power efficiency, and flexibility that hundreds of cinematographers, gaffers, and lighting designers rely on daily.

HS² Lamphead Features

- Utilizes Remote Phosphor Technology (RPT) for accurate, consistent output
- Fully compatible with all legacy HS power supplies, accessories, phosphor panels, and cabling
- Local and DMX dimming 0-100% with no color shift
- 80/20 mounting slots on both sides and back
- Two mixing chambers provides custom CCT mixing
- Hinged top access panel for easy operation
- Output is identical to legacy HS fixture

RDM450 Power Supply Features

- Completely re-designed electronics improves reliability
- Smaller, lighter weight than previous power supplies
- Improved digital display and control
- Remote DMX address programming via RDM
- Operates up to 300' from fixture
- Optionally attaches directly to the HS2 head
- Smooth Dimming (0-100%) and strobe capability
- Fine dimming mode available via DMX
- Flicker-free completely silent operation

Specifications

Input voltage: 100-240 VAC 50/60 Hz.

Power consumption: 500 watts, max

Lamp head dimensions: 12" H x 21" W x 3.8" D
(290 mm x 532 mm x 96.5 mm)

Lamp head weight: 14 lbs (6.4 kg)

RDM450 PSU dimensions: 3" H x 13" W x 9.5" D
(76 mm x 330 mm x 241 mm)

RDM450 Weight: 11 lbs (5 kg)

35,000 hr. L70 rated

Environmental temperature range: -20° - + 50° C
Max. temperature rise: +45° C

2-year parts and labor warranty

ETL and cETL Listed, CE and RoHS Compliant

Zero UV light emitted

Made in USA

Feature Compatibility

Feature	HS1 Head + DX450	HS2 Head + DX450	HS1 Head + RDM450	HS2 HEAD + RDM450
Operation with power supply separated up to 300'	X	X	X	X
Power supply attachable to lamphead				X
2-Color mixing				X
Fine Dimming control on DMX				X
80/20 yoke and accessory mounting		X		X
RDM remote programming			X	X
Digital display			X	X

Color Quality

CRI Measurement	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	CRI	CRI Extended	CQS	TLCI
HS2 @ 2700K	97	99	96	96	98	98	99	98	97	100	94	92	97	96	97	96	97	99
HS2 @ 3200K	98	99	94	97	100	97	98	97	95	96	96	84	99	96	97	96	96	99
HS2 @ 4300K	98	99	97	97	97	95	98	97	93	98	97	77	98	98	97	96	94	98
HS2 @ 5600K	94	95	93	93	93	90	98	95	85	86	92	68	95	96	96	95	93	97
HS2 @ 6500K	95	98	97	93	93	94	97	95	90	93	93	72	96	99	94	94	92	97

CRI is R1-R8, Extended is R1-R14

Light Output

HS2	foot-candles measured at 10 ft.		lux measured at 3m.	
CCT	Open Face	w/Intensifier	Open Face	w/Intensifier
2700	93	116	1001	1249
3200	100	125	1076	1345
4300	110	138	1184	1485
5600	112	140	1206	1507
6500	116	145	1249	1561
Green	178	223	1916	2400
Blue	30	38	321	409

Black Body Curve

