

Product Code: MHEU/0021-MHEU/0022

Description: MHDE70W/UVS/3K/R7S-MHDE70W/UVS/4K/R7S

Product Name: Standard Metal Halide Lamps

Technical Performance Data Sheet

MHEU/0021:MHDE70W/UVS/3K/R7S

Light Output (Lumens/100Hrs)	5200/5600
Lamp Lumens Per Watt	74/80
Mean Output (Lumens)	4650/4850
Rated Life (Hours)	10000
Color Temperature (k)	3200K/4200K
Chromaticity (CIE-x/y)	0.380,0.377
Color Rendering Index (CRI)	65
To 90% Warm Up Time (Minute)	1 to 2 Minutes
Hot Restart Time (Minute)	2 to 4 Minutes
Burning Position	HORIZONTAL



Physical Data/ Requirements

Base Designation	R7S
Bulb Designation	Tubular UV-STOP
Bulb Diameter mm	20±1/mm
Max Overall Length (MOL) mm	117.6mm
Light Center Length (LCL) mm	57±3/mm

MHEU/0022:MHDE70W/UVS/4K/R7S

Effective Arc Length	8.5mm
Max Base Temperature	280°C
Max Bulb Temperature	490°C
Luminaire type	ENCLOSED
Socket Pulse Rating (V)	3500-4500V

Electrical Data/ Requirement

Lamp Wattage (W)	70W
Operating Voltage (V)	85V
Operating Current (Amps)	0.98A
Min. Open Circuit Voltage (RMS)	210V
Min Max Starting Pulse (Peak v)	3500-4500V
Min Pulse Width (u sec)	1
Min Pulse Rate Per 1/2 Cycle	1
Pulse Position(Min.% OCV Peak)	60° ~ 90°
Revision :	17/09/2012



This lamp can cause skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured.
 Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used, *This is for reference, not the absolute standard.