



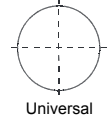
# Product Specification Bulletin

100 Watt

Specialty Lamp

**UNI-FORM**<sup>®</sup>  
PULSE START SYSTEM

**Clear - 4K**  
**Enclosed Luminaire**  
**Featuring UV Shield<sup>®</sup>**



Universal

<b>HIT 100W/G12/UVS/4K</b>	<b>Product Number</b>	<b>89887</b>
<b>Lamp Type</b>	SINGLE ENDED METAL HALIDE	
<b>Control Gear</b>	M90/E	
<b>Performance Data</b>		
<i>Light Output (Lumens @ 100 Hrs.)</i>	9000 V / 8100 H	
<i>Lamp Lumens Per Watt</i>	90	
<i>Rated Life (Hrs. @ 10 Hr. / Start)</i>	10000 V / 7500 H	
<i>Correlated Colour Temperature K</i>	4200	
<i>Chromaticity (CIE -X, Y)</i>	.377 .390	
<i>Colour Rendering Index (CRI) or (Ra)</i>	70	
<i>Typical Warm Up Time (Minutes)</i>	1-2	
<i>Typical Hot Restart Time (Minutes)</i>	2-4	
<i>Burning Position</i>	Universal	
<b>Physical Data / Requirements</b>		
<i>Base Designation</i>	Bi-Pin G12	
<i>Bulb Designation</i>	T23 (T7 USA)	
<i>Bulb Diameter</i>	23 mm	
<i>Insertion Length</i>	110 mm	
<i>Contact to Contact Length</i>	56 mm	
<i>Effective Arc Length</i>	12.7 mm	
<i>Max. Base Temperature (°C)</i>	280	
<i>Max. Bulb Temperature (°C)</i>	550	
<i>Luminaire Type</i>	Enclosed Rated	
<i>Socket Pulse Rating (KV)</i>	6	
<b>Electrical Data / Requirements</b>		
<i>IEC Standard</i>	61167	
<i>Lamp Wattage</i>	100	
<i>Operating Voltage</i>	100	
<i>Operating Current (Amps)</i>	1.1	
<i>Min. Open Circuit Voltage (RMS)</i>	198	
<i>Min.- Max. Starting Pulse (Peak V)</i>	3000-6000	
<i>Min. Pulse Width at 2700 (microseconds)</i>	1	
<i>Min. Pulse Rate Per 1/2 Cycle</i>	1	
<i>Pulse Position (Electrical Degrees)</i>	60-90, 240-270	
<b>Revision:</b>	15-Sep-14	1337 - 9

### Notes:

▶ UV Shield eliminates nearly all UV emissions, reducing color fading and lens yellowing.

**Lamps**



Complies with (CE), Low Voltage (CE), WEEE and RoHS Directives

Warning: This lamp can cause skin burn and eye inflammation from shortwave 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. Lamps that will automatically extinguish when outer envelope is broken or punctured are commercially available.