



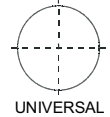
Product Specification Bulletin

100 Watt

LOW WATT TUBULAR G12

UNI-FORM[®]
PULSE START SYSTEM

Clear - 4K
G12 - Enclosed Luminaire
Featuring UV Shield[®]



HIT 100W/G12/UVS/4K	Product Number	89887
Lamp Type	SINGLE ENDED METAL HALIDE	
Control Gear	REACTOR/IGNITOR OR M90/E	
Performance Data		
<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	
Physical Data / Requirements		
<i>Base Designation</i>	Bi-Pin G12	
<i>Bulb Designation</i>	T23 (T7 USA)	
<i>Bulb Diameter</i>	23 mm	
<i>Max. Overall Length</i>	110 mm	
<i>Light Centre 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	
<i>Socket Pulse Rating (KV)</i>	6	
Electrical Data / Requirements		
<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	
Revision:	11-Jun-09	1337 - 8

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.