

**Preliminary Data Sheet**  
**F48T12 40W / UVB-313 / Bi-Pin**

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1.	<b>Product-No.:</b>	<b>F48T12 40W / UVB-313 / Bi-Pin</b>				
2.	<b>Lamp Design:</b>	40W Full Coat UV Lamp (For Industrial Application)				
3.	<b>Standards / Regulations</b>	IEC 60081, IEC 61228, ANSI C78.1, DIN EN ISO 4892-3				
4.	<b>Performance Requirements *</b> Spectral range ( $\lambda$ = wavelength)  [nm]	Absolute spectr. irradiation 100 hrs (rated values) [mW/m <sup>2</sup> ]	Relative spectr. irradiation 100 hrs (rated values) [%]	Rel. irradiation Min. (DIN EN ISO 4892-3) [%]	Rel. irradiation Max. (DIN EN ISO 4892-3) [%]	
		290 ≤ $\lambda$ ≤ 400	2965	-	-	-
		$\lambda$ < 290	33	1,1	1,3	5,4
		290 ≤ $\lambda$ ≤ 320	1498	50,5	47,8	65,9
		320 < $\lambda$ ≤ 360	1323	44,6	26,9	43,9
		360 < $\lambda$ ≤ 400	111	3,8	1,7	7,2
5.	<b>Typical Spectral Distribution</b>					
				Peak Emission $\lambda$ : 313 nm ± 2 nm		

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<b>6.</b>	<b>Dimensions (Nominal Values)</b> Lamp Length: Diameter: Base:	1.2 m 38 mm G13										
<b>7.</b>	<b>Dimensions (Details)</b> Length Pin – Pin [mm] Length Face – Face [mm] Length Face – Pin [mm] Bulb Diameter  ETCH COLOR: Black	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Minimum</th> <th style="text-align: right;">Maximum</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">-</td> <td style="text-align: right;">1213.6</td> </tr> <tr> <td style="text-align: center;">-</td> <td style="text-align: right;">1199.4</td> </tr> <tr> <td style="text-align: center;">1204.1</td> <td style="text-align: right;">1206.5</td> </tr> <tr> <td style="text-align: center;">35.8</td> <td style="text-align: right;">40.4</td> </tr> </tbody> </table>	Minimum	Maximum	-	1213.6	-	1199.4	1204.1	1206.5	35.8	40.4
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-	1213.6											
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<b>8.</b>	<b>Electrical Parameters *</b> Lamp Power: Lamp Current: Lamp Voltage: Ballast Type:	39 W (arc) 435 mA 102 V Weltor LXV 40W / 220V 0,43A										
<b>9.</b>	<b>Packaging</b> Lamp: Packaging Unit:	According to Working Instruction "Packaging" 25 Pieces per carton										

\* Refers to the measurement of a stabilized lamp at 25 cm distance with rated voltage applied to the lamp ballast according to NARVA Procedure PB 672.01. Complies with ASTM G 154-16