

## **Contents**

	<b>Foreword</b>
	<b>Introduction</b>
<b>1</b>	<b>Scope</b>
<b>2</b>	<b>Normative references</b>
<b>3</b>	<b>Terms and definitions</b>
<b>4</b>	<b>Classification</b>
<b>5</b>	<b>Requirements</b>
<b>5.1</b>	<b>General</b>
<b>5.1.1</b>	<b>Design</b>
<b>5.1.2</b>	<b>Connection</b>
<b>5.1.3</b>	<b>Operating controls</b>
<b>5.1.4</b>	<b>Cleaning, disinfection and sterilization</b>
<b>5.1.5</b>	<b>Excessive temperatures</b>
<b>5.2</b>	<b>Radiant exitance</b>
<b>5.2.1</b>	<b>Radiant exitance in the 380 nm to 515 nm wavelength region</b>
<b>5.2.2</b>	<b>Radiant exitance in the wavelength region below 380 nm</b>
<b>5.2.3</b>	<b>Radiant exitance in the wavelength region above 515 nm</b>
<b>5.3</b>	<b>Electrical safety requirements</b>
<b>5.4</b>	<b>Physical and mechanical safety</b>
<b>5.5</b>	<b>Usability</b>
<b>5.6</b>	<b>Instructions for use manual</b>
<b>5.7</b>	<b>Technical Description</b>
<b>5.8</b>	<b>Marking</b>
<b>5.9</b>	<b>Packaging</b>
<b>6</b>	<b>Sampling</b>
<b>7</b>	<b>Measurement and test methods</b>
<b>7.1</b>	<b>General</b>
<b>7.1.1</b>	<b>General provisions for tests</b>
<b>7.1.2</b>	<b>Atmospheric conditions</b>
<b>7.2</b>	<b>Inspections</b>
<b>7.2.1</b>	<b>Visual inspection of powered polymerization activator</b>
<b>7.2.2</b>	<b>Manual inspection of powered polymerization activator</b>
<b>7.2.3</b>	<b>Visual inspection of manufacturer's document</b>
<b>7.3</b>	<b>Measurement of the optical cross-sectional area of the light guide/light-emitting tip</b>
<b>7.3.1</b>	<b>Apparatus</b>
<b>7.3.2</b>	<b>Procedure</b>
<b>7.4</b>	<b>Measurement of radiant exitance</b>
<b>7.4.1</b>	<b>Method A using spectrometer</b>
<b>7.4.1.1</b>	<b>Apparatus</b>
<b>7.4.1.2</b>	<b>Procedure</b>
<b>7.4.1.2.1</b>	<b>General</b>
<b>7.4.1.2.2</b>	<b>Measurement arrangement using spectrometer</b>
<b>7.4.1.2.3</b>	<b>Radiant flux measurement</b>
<b>7.4.1.2.4</b>	<b>Calculation of radiant exitance</b>
<b>7.4.1.3</b>	<b>Treatment of results</b>
<b>7.4.1.4</b>	<b>Spectral distribution curve</b>

**7.4.2      Method B using filters**

**7.4.2.1    Apparatus**

**7.4.2.2    Procedure**

**7.4.2.2.1   General**

**7.4.2.2.2   Method**

**7.4.2.3    Treatment of results**

**8            Information (instructions for use) to be supplied by the manufacturer**

**9            Marking**

**10          Packaging**

**Page count: 15**