

Integral LED Lamps V1.4 to Lamps V1.0 – RETESTING GUIDE[†]

Lamps V1.0 Specification Category	Types	Sub Category Wattages/Rated use	9.1 Luminous Efficacy	9.2 Light Output	9.3 Elevated Temp Light Output Ratio	9.4 Center Beam Intensity	9.5 Luminous Intensity Distribution	9.6 Correlated Color Temperature	9.7 Color Rendering	9.8 Color Maintenance	9.9 Color Angular Uniformity	10.1 Ambient Temp Life Test	10.1 Elevated Temp Life Test	10.3 Rapid Cycle Stress Test	11.1 Electrical Safety	11.2 Power Factor	11.3 Frequency	11.4 Start Time	11.5 Run-Up Time	11.6 Transient Protection	12.1 Dimming - Max Light Output ¹	12.2 Dimming – Min Light Output ¹	12.3 Dimming - Flicker ¹	12.4 Dimming - Noise ¹	
			Omnidirectional	All	Less than 10W or NOT rated for enclosed or recessed fixtures	-	-	NA	NA	-	-	-	-	-	?	NA	?	-	-	?	+	NA	-	+	+
10W or greater	-	-			NA	NA	-	-	-	-	-	-	NA	?	?	-	-	?	+	NA	-	+	+	+	+
Directional	PAR & MR	All Wattages	-	NA	+	-	-	-	-	-	-	NA	?	?	-	-	?	+	NA	-	+	+	+	+	
		NOT rated for use in recessed fixtures	-	NA	NA	-	-	-	-	-	-	-	?	NA	?	-	-	?	+	NA	-	+	+	+	+
	R, BR, ER	All Wattages	-	-	+	NA	-	-	-	-	-	-	NA	?	?	-	-	?	+	NA	-	+	+	+	+
		NOT rated for use in recessed fixtures	-	-	NA	NA	-	-	-	-	-	-	?	NA	?	-	-	?	+	NA	-	+	+	+	+
Decorative	All	All Wattages	-	-	NA	NA	+	-	-	-	-	?	NA	?	-	-	?	+	NA	-	+	+	+	+	

1: For lamps marketed as dimmable

Key			
NA	Not applicable	?	Possible retest
+	Required new test or retest	-	No retest anticipated

[†] This guide is intended to aid ENERGY STAR[®] partners in assessing testing needs for lamps recently certified to ENERGY STAR LED lamp specifications for certification to the new ENERGY STAR Lamps specification and to aid discussions between partners and EPA-recognized certification bodies and testing laboratories. Please note that this guide may not apply to all products and EPA-recognized certification bodies ultimately determine the applicability and acceptability of test data.