



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.

TRUEFIT™ U-BEND LED TUBE

www.trulygreensolutions.com





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Features

The Most Versatile LED Tube



1 LENGTHS AVAILABLE IN 15W



EXPECTED LIFE OVER 50,000 HRS



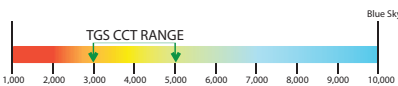
IES FILES @ www.trulygreensolutions.com



SUITABLE FOR DAMP LOCATIONS



GLARE FREE PC LENS



SELECTION OF COLOR RANGES

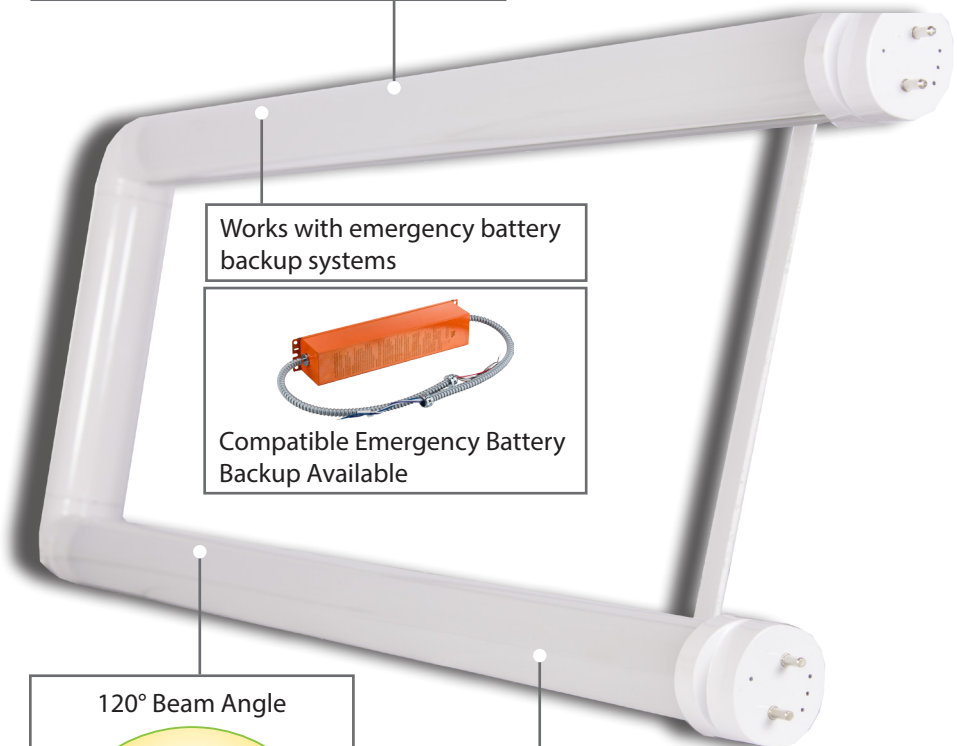
- Type A : Ballast Compatible
- Type B : Bypass Ballast
- Type A/B : Ballast Compatible or Bypass Ballast
- Type C : External Power




EASY INSTALLATION

Dual Function:

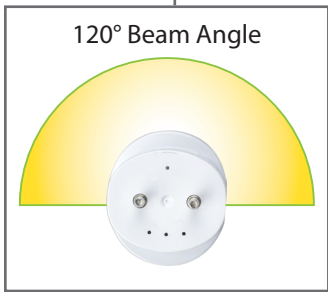
- Plug & Play: Works with existing ballast (Works with over 200 electronic ballasts)
- Easy rewiring to bypass the ballast



Works with emergency battery backup systems



Compatible Emergency Battery Backup Available



- Mercury Free
- Lead Free
- IR Free
- UV Free

Applications



Parking Garage



Mall



Storage Facility





| | Bare Lamp | Low Ballast Factor (0.78) | Normal Ballast Factor (0.88) | High Ballast Factor (1.10) |
|---------|-----------|---------------------------|------------------------------|----------------------------|
| Wattage | 15W | 16.5 | 17.5 | 20.5 |
| Lumen | 1970 | 2069 | 2180 | 2560 |

Replaces 4' T8 Fluorescent Tubes

Highlights

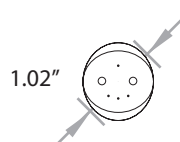
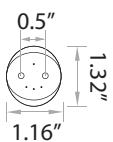
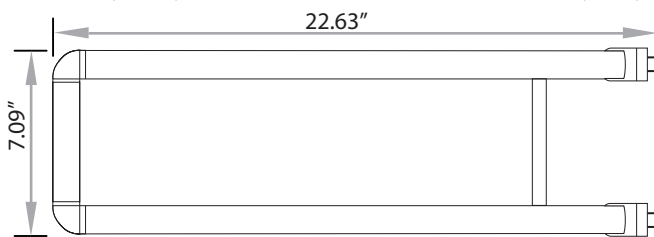
The TGS TrueFit™ U-Bend LED tube offers an easy and safe energy-saving retrofit solution for fluorescent U-bend lamps, with 130 lumens per watt. The TrueFit™ U-Bend provides universal operating options: plug and play with instant-start electronic ballasts, or bypass of the existing ballast to run directly off line voltage, eliminating compatibility issues and maintenance costs associated with ballasts.

The TrueFit™ U-Bend LED lamp provides instant energy savings and superior quality uniform, flicker-free lighting in a complete package. It uses about half the energy as fluorescent U-bend lamps, with up to 70% reduction of overall operating costs. The UL, cUL, and RoHS certified lamps are available in a length of 2' and 15W, with the form, fit, and function of traditional fluorescent U-bend lamps. The TrueFit™ U-Bend is constructed with a polycarbonate optical diffuser, providing a wide beam angle of 120° for comprehensive spatial illumination.

Featuring a unique advanced heat sink technology that ensures maximum thermal management, the TrueFit™ U-Bend is backed by a 5 year/50,000 hour warranty for a long life of maintenance-free service. Available CCT's are 3000K, 4000K, 4500K and 5000K.

Product Dimensions

Length: 22.63 in (575mm) Weight: 0.771 lbs (350g)
Width: 7.09 in (180mm) Diameter: 1.10 in (28mm)



Optical Details

| | |
|-----------------|----------------------------|
| System Efficacy | 110 LpW (With Ballast) |
| System Efficacy | 125 LpW (Without Ballast) |
| Lumen Output | 1,970 lm |
| CCT | 3000K, 3500K, 4000K, 5000K |
| Beam Angle | 120° |
| CRI | >80 |

Electrical Details

| | |
|---------------------------|-------------|
| Input Voltage | 100-277V AC |
| Power Frequency | 50-60 Hz |
| Output Voltage | N/A |
| Output Current | N/A |
| Power Efficiency | N/A |
| Power Factor | >0.9 |
| Total Harmonic Distortion | <20% |
| Dimmable | No |

Other Details

| | |
|-----------------------|------------------------------|
| System Power Usage | 15W |
| LED Power Usage | N/A |
| Fixture Material | Aluminum Base and PC Housing |
| Finish | N/A |
| Ingress Protection | Suitable For Damp Locations |
| Luminaire Net Weight | 0.794 lbs (360g) |
| Lifespan | 50,000+ Hours |
| Storage Temperature | -4°~122°F |
| Operating Temperature | -22~104°F |
| Operating Humidity | N/A |
| Product Dimension | 22.63x7.09x1.02 in |
| Replaces | T8 Fluorescent |

Application

| | |
|------------------------|---------------------|
| • Offices | • Hospitals |
| • Industrial Shops | • Hotels |
| • Schools | • High / Low Bay |
| • Commercial Buildings | • Troffers / Strips |

Base Options

| |
|--------------------|
| • G13 Pin (Bi-pin) |
|--------------------|

Ballast Compatibility List

GE:

1. **GE-132MAX-L/ULTRA** INSTANT START BALLAST
2. **GE-232MAX-L/ULTRA** INSTANT START BALLAST
3. **GE-332MAX-L/ULTRA** INSTANT START BALLAST
4. **GE-432MAX-L/ULTRA** INSTANT START BALLAST
5. **GE-132MAX-N/ULTRA** INSTANT START BALLAST
6. **GE-232MAX-N/ULTRA** INSTANT START BALLAST
7. **GE-332MAX-N/ULTRA** INSTANT START BALLAST
8. **GE-432MAX-N/ULTRA** INSTANT START BALLAST
9. **GE-132MAX-H/ULTRA** INSTANT START BALLAST
10. **GE-232MAX-H/ULTRA** INSTANT START BALLAST
11. **GE-332MAX-H/ULTRA** INSTANT START BALLAST
12. **GE-432MAX-H/ULTRA** INSTANT START BALLAST
13. **GE-132MAX-347-L** INSTANT START BALLAST
14. **GE-232MAX-347-L** INSTANT START BALLAST
15. **GE-332MAX-347-L** INSTANT START BALLAST
16. **GE-432MAX-347-L** INSTANT START BALLAST
17. **GE-132MAX-347-N** INSTANT START BALLAST
18. **GE-232MAX-347-N** INSTANT START BALLAST
19. **GE-332MAX-347-N** INSTANT START BALLAST
20. **GE-432MAX-347-N** INSTANT START BALLAST
21. **GE-132MAX-347-H** INSTANT START BALLAST
22. **GE-232MAX-347-H** INSTANT START BALLAST
23. **GE-332MAX-347-H** INSTANT START BALLAST
24. **GE-432MAX-347-H** INSTANT START BALLAST
25. **GE-132MAX-H-42T** INSTANT START BALLAST
26. **GE-232MAX-H-42T** INSTANT START BALLAST
27. **GE-332MAX-H-42T** INSTANT START BALLAST
28. **GE-432MAX-H-42T** INSTANT START BALLAST
29. **GE-132MAX-G-N-DIYB** INSTANT START BALLAST
30. **GE-232MAX-G-N-DIYB** INSTANT START BALLAST
31. **GE-332MAX-G-N-DIYB** INSTANT START BALLAST
32. **GE-432MAX-G-N-DIYB** INSTANT START BALLAST
33. **GE-132-120RESDIYB** INSTANT START BALLAST
34. **GE-232-120RESDIYB** INSTANT START BALLAST
35. **GE-332-120RESDIYB** INSTANT START BALLAST
36. **GE-432-120RESDIYB** INSTANT START BALLAST
37. **GE240RES120-DIYB** RAPID START BALLAST
38. **GE240RSMVN-DIYB** RAPID START BALLAST
39. **GE-132-120RES-DIY** INSTANT START BALLAST
40. **GE-232-120RES-DIY** INSTANT START BALLAST
41. **GE-332-120RES-DIY** INSTANT START BALLAST
42. **GE-432-120RES-DIY** INSTANT START BALLAST
43. **GE240RS120-DIY** RAPID START BALLAST
44. **GEM220TS120/2-DIY** RAPID START BALLAST
45. **GE-132MV-N-DIY** INSTANT START BALLAST
46. **GE-232MV-N-DIY** INSTANT START BALLAST
47. **GE-332MV-N-DIY** INSTANT START BALLAST
48. **GE-432MV-N-DIY** INSTANT START BALLAST
49. **GE-259MV-N-DIY** INSTANT START BALLAST
50. **GE-232-MVPS-N** RAPID START BALLAST
51. **GE-132-MV-N** INSTANT START BALLAST
52. **GE-232-MV-N** INSTANT START BALLAST
53. **GE-332-MV-N** INSTANT START BALLAST
54. **GE-432-MV-N** INSTANT START BALLAST
55. **GEM1FC16T9RS120/2** RAPID START BALLAST
56. **MAGNETEK-200-H2** PREHEAT START BALLAST
57. **GE-232MAXP-L/ULTRA** INSTANT START BALLAST
58. **GEM120TC120/2-DIY** RAPID START BALLAST
59. **GE-240-RS-MV-N-DIY** RAPID START BALLAST
60. **GE260IS-MV-N** INSTANT START BALLAST
61. **446-LR-TC-P** MAGNETIC RAPID START BALLAST

PHILIPS:

62. **ICN-2528** PROGRAM START BALLAST

63. **ICN-2528-N** PROGRAM START BALLAST
64. **ICN-2M32-MC** INSTANT START BALLAST
65. **ICN-1P32-N** INSTANT START BALLAST
66. **ICN-2P32-N** INSTANT START BALLAST
67. **ICN-3P32-N** INSTANT START BALLAST
68. **ICN-4P32-N** INSTANT START BALLAST
69. **ICN-1540-N** RAPID START BALLAST
70. **ICN-2540-N** RAPID START BALLAST
71. **ICN-3540-N** RAPID START BALLAST
72. **ICN-4540-N** RAPID START BALLAST
73. **REB-1P32-SC** INSTANT START BALLAST
74. **REB-2P32-SC** INSTANT START BALLAST
75. **REB-3P32-SC** INSTANT START BALLAST
76. **REB-4P32-SC** INSTANT START BALLAST
77. **RELB-1540-N** RAPID START BALLAST
78. **RELB-2540-N** RAPID START BALLAST
79. **RELB-3540-N** RAPID START BALLAST
80. **RELB-4540-N** RAPID START BALLAST
81. **IOP-1PSP32-SC** PROGRAM START BALLAST
82. **IOP-2PSP32-SC** PROGRAM START BALLAST
83. **IOP-3PSP32-SC** PROGRAM START BALLAST
84. **IOP-4PSP32-SC** PROGRAM START BALLAST
85. **IOP-1PSP32-HL-SC** PROGRAM START BALLAST
86. **IOP-2PSP32-HL-SC** PROGRAM START BALLAST
87. **IOP-3PSP32-HL-SC** PROGRAM START BALLAST
88. **IOP-4PSP32-HL-SC** PROGRAM START BALLAST
89. **IOP-1PSP32-LW-N** PROGRAM START BALLAST
90. **IOP-2PSP32-LW-N** PROGRAM START BALLAST
91. **IOP-3PSP32-LW-N** PROGRAM START BALLAST
92. **IOP-4PSP32-LW-N** PROGRAM START BALLAST
93. **IOP-2P32-N** INSTANT START BALLAST
94. **IOPA-1P32-N** INSTANT START BALLAST
95. **IOPA-2P32-N** INSTANT START BALLAST
96. **IOPA-3P32-N** INSTANT START BALLAST
97. **IOPA-4P32-N** INSTANT START BALLAST
98. **IOPA-1P32-LM-N** INSTANT START BALLAST
99. **IOPA-2P32-LM-N** INSTANT START BALLAST
100. **IOPA-3P32-LM-N** INSTANT START BALLAST
101. **IOPA-4P32-LM-N** INSTANT START BALLAST
102. **GOPA-1P32-SC** INSTANT START BALLAST
103. **GOPA-2P32-SC** INSTANT START BALLAST
104. **GOPA-3P32-SC** INSTANT START BALLAST
105. **GOPA-4P32-SC** INSTANT START BALLAST
106. **RLQ5-122-TP-W** RAPID START BALLAST
107. **RLQ-120-TP** RAPID START BALLAST

SYLVANIA:

108. **QHE1x32T8/UNV ISL-SC** INSTANT START BALLAST
109. **QHE2x32T8/UNV ISL-SC** INSTANT START BALLAST
110. **QHE3x32T8/UNV ISL-SC** INSTANT START BALLAST
111. **QHE4x32T8/UNV ISL-SC** INSTANT START BALLAST
112. **QHE1x32T8/UNV ISN-SC** INSTANT START BALLAST
113. **QHE2x32T8/UNV ISN-SC** INSTANT START BALLAST
114. **QHE3x32T8/UNV ISN-SC** INSTANT START BALLAST
115. **QHE4x32T8/UNV ISN-SC** INSTANT START BALLAST
116. **QHE1x32T8/UNV ISH-SC** INSTANT START BALLAST

117. **QHE2x32T8/UNV ISH-SC** INSTANT START BALLAST
118. **QHE3x32T8/UNV ISH-SC** INSTANT START BALLAST
119. **QHE4x32T8/UNV ISH-SC** INSTANT START BALLAST
120. **QHE1x32T8/UNV ISL-SC-1** INSTANT START BALLAST
121. **QHE2x32T8/UNV ISL-SC-1** INSTANT START BALLAST
122. **QHE3x32T8/UNV ISL-SC-1** INSTANT START BALLAST
123. **QHE4x32T8/UNV ISL-SC-1** INSTANT START BALLAST
124. **QHE1x32T8/UNV ISN-SC-1** INSTANT START BALLAST
125. **QHE2x32T8/UNV ISN-SC-1** INSTANT START BALLAST
126. **QHE3x32T8/UNV ISN-SC-1** INSTANT START BALLAST
127. **QHE4x32T8/UNV ISN-SC-1** INSTANT START BALLAST
128. **QHE1x32T8/UNV ISH-SC-1** INSTANT START BALLAST
129. **QHE2x32T8/UNV ISH-SC-1** INSTANT START BALLAST
130. **QHE3x32T8/UNV ISH-SC-1** INSTANT START BALLAST
131. **QHE4x32T8/UNV ISH-SC-1** INSTANT START BALLAST
132. **QTP1x32T8/UNV PSN-SC** PROGRAM START BALLAST
133. **QTP2x32T8/UNV PSN-SC** PROGRAM START BALLAST
134. **QTP3x32T8/UNV PSN-SC** PROGRAM START BALLAST
135. **QTP4x32T8/UNV PSN-SC** PROGRAM START BALLAST
136. **QHE1x32T8/UNV PSN-MC** PROGRAM RAPID START BALLAST
137. **QHE2x32T8/UNV PSN-MC** PROGRAM RAPID START BALLAST
138. **QHE3x32T8/UNV PSN-MC** PROGRAM RAPID START BALLAST
139. **QHE4x32T8/UNV PSN-MC** PROGRAM RAPID START BALLAST
140. **QHE1x32T8/347 ISL-SC** INSTANT START BALLAST
141. **QHE2x32T8/347 ISL-SC** INSTANT START BALLAST
142. **QHE3x32T8/347 ISL-SC** INSTANT START BALLAST
143. **QHE4x32T8/347 ISL-SC** INSTANT START BALLAST
144. **QHE1x32T8/347 ISN-SC** INSTANT START BALLAST
145. **QHE2x32T8/347 ISN-SC** INSTANT START BALLAST
146. **QHE3x32T8/347 ISN-SC** INSTANT START BALLAST
147. **QHE4x32T8/347 ISN-SC** INSTANT START BALLAST
148. **QHE1x32T8/347 ISH-SC** INSTANT START BALLAST
149. **QHE2x32T8/347 ISH-SC** INSTANT START BALLAST
150. **QHE3x32T8/347 ISH-SC** INSTANT START BALLAST
151. **QHE4x32T8/347 ISH-SC** INSTANT START BALLAST
152. **QTP1x32T8/UNV ISL-SC** INSTANT START BALLAST
153. **QTP2x32T8/UNV ISL-SC** INSTANT START BALLAST
154. **QTP3x32T8/UNV ISL-SC** INSTANT START BALLAST
155. **QTP4x32T8/UNV ISL-SC** INSTANT START BALLAST
156. **QTP1x32T8/UNV ISN-SC** INSTANT START BALLAST
157. **QTP2x32T8/UNV ISN-SC** INSTANT START BALLAST
158. **QTP3x32T8/UNV ISN-SC** INSTANT START BALLAST
159. **QTP4x32T8/UNV ISN-SC** INSTANT START BALLAST
160. **QTP1x32T8/UNV ISH-SC** INSTANT START BALLAST
161. **QTP2x32T8/UNV ISH-SC** INSTANT START BALLAST
162. **QTP3x32T8/UNV ISH-SC** INSTANT START BALLAST
163. **QTP4x32T8/UNV ISH-SC** INSTANT START BALLAST
164. **QHE1x59T8/UNV ISL-SC** INSTANT START BALLAST
165. **QHE2x59T8/UNV ISL-SC** INSTANT START BALLAST
166. **QHE3x59T8/UNV ISL-SC** INSTANT START BALLAST
167. **QHE4x59T8/UNV ISL-SC** INSTANT START BALLAST
168. **QHE1x59T8/UNV ISN-SC** INSTANT START BALLAST
169. **QHE2x59T8/UNV ISN-SC** INSTANT START BALLAST
170. **QHE3x59T8/UNV ISN-SC** INSTANT START BALLAST
171. **QHE4x59T8/UNV ISN-SC** INSTANT START BALLAST
172. **QHE1x59T8/UNV ISH-SC** INSTANT START BALLAST
173. **QHE2x59T8/UNV ISH-SC** INSTANT START BALLAST
174. **QHE3x59T8/UNV ISH-SC** INSTANT START BALLAST
175. **QHE4x59T8/UNV ISH-SC** INSTANT START BALLAST

SUNPARK:

176. **U-1/32PSE** RAPID START BALLAST
177. **U-2/32PSE** RAPID START BALLAST

178. **U-3/32PSE** RAPID START BALLAST
179. **U-1/32ISE** INSTANT START BALLAST
180. **U-2/32ISE** INSTANT START BALLAST
181. **U-3/32ISE** INSTANT START BALLAST
182. **U-1/32ISE-HBF** INSTANT START BALLAST
183. **U-2/32ISE-HBF** INSTANT START BALLAST
184. **U-1/32ISE-LBF** INSTANT START BALLAST
185. **U-2/32ISE-LBF** INSTANT START BALLAST
186. **SL15T** RAPID START BALLAST
187. **U-132P53-HBF** PROGRAM START BALLAST
188. **U-232P53** PROGRAM START BALLAST

ROBERTSON:

189. **ISU232T8120** INSTANT START BALLAST
190. **RN320P RAPID** START BALLAST
191. **SS2P** PREHEAT SELF START BALLAST
192. **HPS1P** PREHEAT START BALLAST
193. **L15A** SIMPLE REACTANCE BALLAST
194. **SP258** SIMPLE REACTANCE BALLAST
195. **O1527P** SIMPLE REACTANCE BALLAST
196. **PSA124T5MV** PROGRAM START BALLAST

STERIL-AIRE:

197. **10000175** RAPID START BALLAST

TRIAD:

198. **B232IUNVEL-A** INSTANT START BALLAST
199. **B232IUNVHP-B** INSTANT START BALLAST
200. **B232IUNVHP-N** INSTANT START BALLAST
201. **B234SR120M-A** RAPID START BALLAST

HI:

202. **EPH2/32IS/MV/MC/HE** INSTANT START BALLAST
203. **E2/40RS-120MC** RAPID START BALLAST

KEYSTONE:

204. **KTEB-2C72-1-TP** RAPID START BALLAST
205. **KTEB-220-1-TP-EMI /C** RAPID START BALLAST
206. **240TPES** RAPID START BALLAST

ESPEN:

207. **VE232MVHIPLE** INSTANT START BALLAST
208. **VE259120HIP** INSTANT START BALLAST

PROLUME:

209. **EP223IS/L/MV/SL** INSTANT START BALLAST

RADIONIC:

210. **E232H12** INSTANT START BALLAST

WORKHORSE:

211. **WH3-120-L** INSTANT START BALLAST
212. **WHCG2-120-T8** INSTANT START BALLAST

SUPERIOR LIFE:

213. **70201** INSTANT START BALLAST

PRO STANDARD:

214. **G122540-TP** RAPID START BALLAST

Ordering Information

EXAMPLE NUMBER: 832115-40-U-B-X

| 83 | Length | Lens Cover | Wattage | CCT | Type | Wiring Type | Company Code |
|-----------------------------------|---------|-------------|----------|--|------------|---|--------------|
| TrueFit™ LED U-Bend Tube | 2 - 24" | 1 - Frosted | 15 - 15W | 50 - 5000K 40 - 4000K 35 - 3500K 30 - 3000K | U - U-Bend | B - Ballast Compatible/ Bypass Ballast (Direct wire) | X |

SKU Numbers:

| Product Number | Base Type | Wattage | Color Temp (K) | Dimensions | Lumens (lm) | Input Voltage | Warranty | DLC Qualified |
|-----------------|-----------|---------|----------------|--------------------|-------------|---------------|----------|---------------|
| 832115-50-U-B-X | G13 | 15W | 5000 | 22.63"x7.09"x1.02" | 1,970 | 100-277V | 5 year | Yes |
| 832115-40-U-B-X | G13 | 15W | 4000 | 22.63"x7.09"x1.02" | 1,970 | 100-277V | 5 year | Yes |
| 832115-35-U-B-X | G13 | 15W | 3500 | 22.63"x7.09"x1.02" | 1,970 | 100-277V | 5 year | Yes |
| 832115-30-U-B-X | G13 | 15W | 3000 | 22.63"x7.09"x1.02" | 1,970 | 100-277V | 5 year | Yes |



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