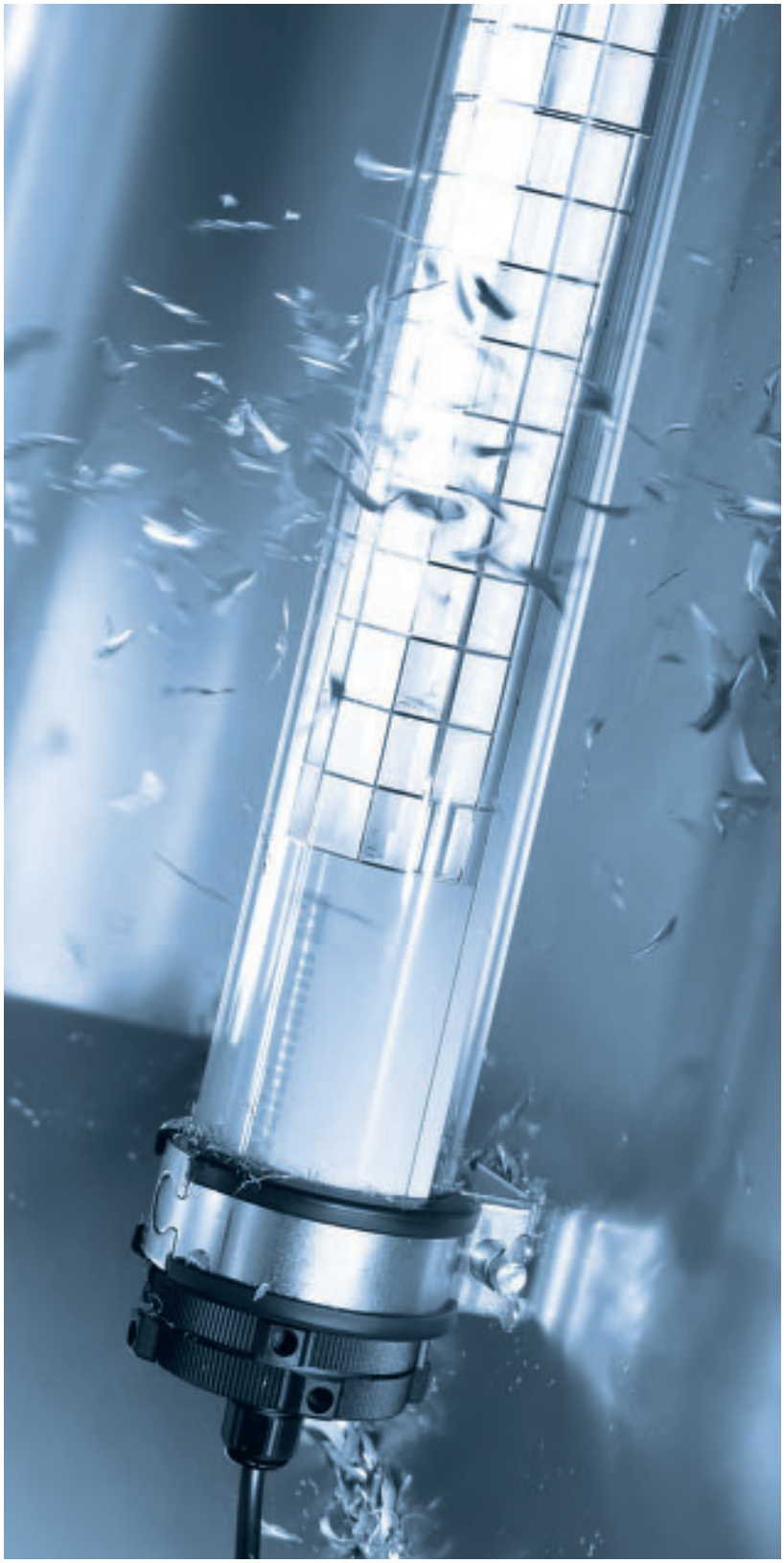


RL70

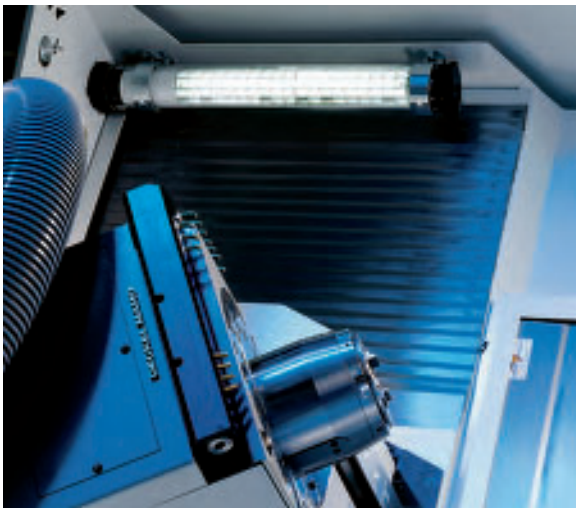
INDUSTRIAL FLUORESCENT TUBE LIGHT

FEATURES:

- RL70CE Series - compact fluorescent lamps and electronic ballast
- RL70E Series - T5, T5HO and T8 LFL lamps, electronic ballast
- RL70S Series - T5 CFL and T8 LFL remote ballast applications, ballast not included
- "All-In-One" models are pre-wired with electronic ballast, 8ft cable set and brackets
- "H" models include piggyback, low-profile electronic ballasts, louver and end caps

SPECIFICATIONS:

Voltage	24 VAC or 24 VDC, 120-277 VAC, 50/60 Hz
Lamping	CFL, T5, T5HO, T8, fluorescent
Operation	connect to external source
Color Temperature	4100 K
Tube Material	acrylic or borosilicate glass
Dimension	2.75" (70 mm) diameter, various lengths
Max Temperature Rating	104°F (40°C)
Connection	only on specified models
Protection Rating	IP67
Certification	ETL/cETL
Mounting and accessories	See page 73



The RL70 industrial tube light provides broad, wide area illumination inside the machine compartment and is ideal for areas requiring a high output, linear fluorescent light source. This durable, sealed (IP67 rated) luminaire is available in varying lengths, with a variety of mounting options to fit a wide range of applications. Available with either glass or acrylic tubes, the RL70 is designed to illuminate hard to reach areas too small for traditional luminaire mounting. It is designed to be impervious to debris, coolants and lubricants found inside the machine compartment. With a wide range of sizes, variants and mounting accessories, RL70 installs easily in a variety of equipment, machine compartments and enclosures. They are available in lengths from 14" to 67" and provide powerful, glare-free illumination. Low-voltage models are also available in 24 VAC or VDC for improved safety and connection to an existing 24 V power supply on the machine.

RL70 C SERIES (CFL and electronic ballasts)

Length	Voltage	Tube	Lamping	Lumens	Model	Part #
18.9" (480 mm)	120 VAC; 50/60 Hz	Acrylic	18 W T5 CFL	1250	RL70CE-118	041803016-00006993
18.9" (480 mm)	120 VAC; 50/60 Hz	Glass	18 W T5 CFL	1250	RL70CE-118	041803015-00080014
20.6" (524 mm)	24 VDC	Acrylic	18 W T5 CFL	1250	RL70CE-118	112370000-00084157
20.6" (524 mm)	24 VDC	Glass	18 W T5 CFL	1250	RL70CE-118	112370001-00084161
20.6" (524 mm)	24 VAC; 50/60 Hz	Acrylic	18 W T5 CFL	1250	RL70CE-118	112369000-00084194
20.6" (524 mm)	24 VAC; 50/60 Hz	Glass	18 W T5 CFL	1250	RL70CE-118	112369001-00084204
26.7" (679 mm)	120-277 VAC; 50/60 Hz	Acrylic	24 W T5 CFL	2000	RL70CE-124	108670000-00081448
26.7" (679 mm)	120-277 VAC; 50/60 Hz	Glass	24 W T5 CFL	2000	RL70CE-124	108670001-00081450
26.7" (679 mm)	120-277 VAC; 50/60 Hz	Acrylic	24 W T5 CFL	2000	RL70CE-124	108670M00*
26.7" (679 mm)	120-277 VAC; 50/60 Hz	Glass	24 W T5 CFL	2000	RL70CE-124	108670M01*
19.5" (495 mm)	100-280 VAC; 50/60 Hz	Acrylic	24 W T5 CFL	2000	RL70CE-124H	112913010-00488729**
19.5" (495 mm)	100-280 VAC; 50/60 Hz	Glass	24 W T5 CFL	2000	RL70CE-124H	112913011-00488735**
25.2" (639 mm)	24 VDC	Acrylic	24 W T5 CFL	2000	RL70CE-124	111440000-00057173
25.2" (639 mm)	24 VDC	Glass	24 W T5 CFL	2000	RL70CE-124	111440001-00057175
25.2" (639 mm)	24 VAC; 50/60 Hz	Acrylic	24 W T5 CFL	2000	RL70CE-124	111410000-00057156
25.2" (639 mm)	24 VAC; 50/60 Hz	Glass	24 W T5 CFL	2000	RL70CE-124	111410001-00057158
31" (788 mm)	120-277 VAC; 50/60 Hz	Acrylic	36 W T5 CFL	2900	RL70CE-136	108680000-00081455
31" (788 mm)	120-277 VAC; 50/60 Hz	Glass	36 W T5 CFL	2900	RL70CE-136	108680001-00081457
31" (788 mm)	120-277 VAC; 50/60 Hz	Acrylic	36 W T5 CFL	2900	RL70CE-136	108680M00*
31" (788 mm)	120-277 VAC; 50/60 Hz	Glass	36 W T5 CFL	2900	RL70CE-136	108680M01*
23" (584 mm)	110-230 VAC; 50/60 Hz	Acrylic	36 W T5 CFL	2900	RL70CE-136H	619063010-00077590**
23" (584 mm)	110-230 VAC; 50/60 Hz	Glass	36 W T5 CFL	2900	RL70CE-136H	619063011-00005922**
29.4" (747 mm)	24 VDC	Acrylic	36 W T5 CFL	2900	RL70CE-136	111450000-00064046
29.4" (747 mm)	24 VDC	Glass	36 W T5 CFL	2900	RL70CE-136	111450001-00057177
29.4" (747 mm)	24 VAC; 50/60 Hz	Acrylic	36 W T5 CFL	2900	RL70CE-136	111420000-00057161
29.4" (747 mm)	24 VAC; 50/60 Hz	Glass	36 W T5 CFL	2900	RL70CE-136	111420001-00057164

Types of Fluorescent Lamps



Compact Fluorescent (CFL)



T8 Fluorescent (LFL)



T5 and T5HO Fluorescents (LFL)

* All-in-one model, includes short-L brackets and 8 ft cable set

** Piggyback ballast (ballast located behind lamps), w/ louver; no cable or bracket

RL70 E SERIES **(For standard bi-pin T5 & T8 lamps)**

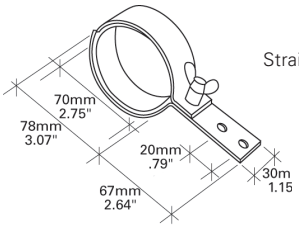
Length	Voltage	Tube	Lamping	Lumens	Model	Part #
36.2" (919 mm)	24 VDC	Acrylic	F18T8	1600	RL70E-118	111690000-00063406
36.2" (919 mm)	24 VDC	Glass	F18T8	1600	RL70E-118	111690001-00063408
36.2" (919 mm)	24 VAC; 50/60 Hz	Acrylic	F18T8	1600	RL70E-118	111650000-00063029
36.2" (919 mm)	24 VAC; 50/60 Hz	Glass	F18T8	1600	RL70E-118	111650001
40.6" (1030 mm)	120-277 VAC; 50/60 Hz	Acrylic	F17T8	1400	RL70E-117	128100000-00084831
40.6" (1030 mm)	120-277 VAC; 50/60 Hz	Glass	F17T8	1400	RL70E-117	128100001-00084832
40.6" (1030 mm)	120-277 VAC; 50/60 Hz	Acrylic	F17T8	1400	RL70E-117	128100900*
40.6" (1030 mm)	120-277 VAC; 50/60 Hz	Glass	F17T8	1400	RL70E-117	128100901*
41.2" (1047 mm)	120-277 VAC; 50/60 Hz	Acrylic	2 x 24 W T5HO	4000	RL70E-224	138451000-00019665
41.2" (1047 mm)	120-277 VAC; 50/60 Hz	Glass	2 x 24 W T5HO	4000	RL70E-224	138451001-00019672
52.6" (1335 mm)	120-277 VAC; 50/60 Hz	Acrylic	F25T8	2500	RL70E-125	128110000-00084833
52.6" (1335 mm)	120-277 VAC; 50/60 Hz	Acrylic	F25T8	2500	RL70E-125	128110900*
60.3" (1532 mm)	24 VDC	Acrylic	F36T8	2900	RL70E-136	111730000-00059987
60.3" (1532 mm)	24 VDC	Glass	F36T8	2900	RL70E-136	111730001-00059991
60.3" (1532 mm)	24 VAC; 50/60 Hz	Acrylic	F36T8	2900	RL70E-136	111720000-00059978
60.3" (1532 mm)	24 VAC; 50/60 Hz	Glass	F36T8	2900	RL70E-136	111720001-00059980
52.7" (1338 mm)	120-277 VAC; 50/60 Hz	Acrylic	2 x 39 W T5HO	7000	RL70E-239	138450000-00019726
52.7" (1338 mm)	120-277 VAC; 50/60 Hz	Glass	2 x 39 W T5HO	7000	RL70E-239	138450001-00019727
65.2" (1656 mm)	120-277 VAC; 50/60 Hz	Acrylic	F32T8	2900	RL70E-132	128120000-00084835
65.2" (1656 mm)	120-277 VAC; 50/60 Hz	Glass	F32T8	2900	RL70E-132	128120001-00084836
65.2" (1656 mm)	120-277 VAC; 50/60 Hz	Acrylic	F32T8	2900	RL70E-132	128120900*
65.2" (1656 mm)	120-277 VAC; 50/60 Hz	Glass	F32T8	2900	RL70E-132	128120901*
67.4" (1711 mm)	100-280 V; 50/60 Hz	Glass	2 x 54 W T5HO	10000	RL70E-254	138491001-00488841

* All-in-one model, includes built-in brackets and 8 ft cable set

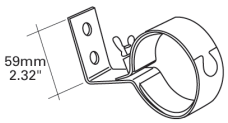
RL70 S SERIES (For use w/ remote ballast, to be purchased separately)

Length	Voltage	Tube	Lamping	Lumens	Model	Part #
14.4" (367 mm)	per remote ballast	Acrylic	18 W T5 CFL	1250	RL70-118 S	108210000-00055526
20.7" (525 mm)	per remote ballast	Glass	36 W T5 CFL	2900	RL70-136 S	108620001-00013818
30.9" (784 mm)	per remote ballast	Acrylic	17 W T8 LFL	1400	RL70-117 S	128130000-00084837
30.9" (784 mm)	per remote ballast	Glass	17 W T8 LFL	1400	RL70-117 S	128130001
54.9" (1394 mm)	per remote ballast	Acrylic	32 W T8 LFL	2950	RL70-132 S	128150000-00084841

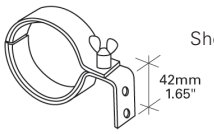
MOUNTING ACCESSORIES



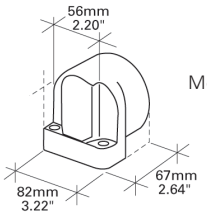
Straight



Long-L



Short- L



Molded End Cap

Item	Bracket Material	Insert Material	Part #
Bracket, straight	Galvanized steel	Neoprene	190015019-00014930
Bracket, long-L	Galvanized steel	Neoprene	SK1021019-00010286
Bracket, short-L	Galvanized steel	Neoprene	190015995
Bracket, straight	Galvanized steel	Profiled rubber	190015719-00085498
Bracket, long-L	Galvanized steel	Profiled rubber	SK1021719-00085499
Bracket, short-L	Galvanized steel	Profiled rubber	SK0995719-00085652
Bracket, straight	Stainless steel	Neoprene	190180019-00092731
Bracket, long-L	Stainless steel	Neoprene	190183019-00093961
Bracket, short-L	Stainless steel	Neoprene	190181019-00092728
Bracket, straight	Stainless steel	Profiled rubber	190180719-00092730
Bracket, long-L	Stainless steel	Profiled rubber	190169719-00089351
Bracket, short-L	Stainless steel	Profiled rubber	190181719-00092729
End Caps (set of two)	Black plastic	na	US0165012

*All RL models require 2 mounting brackets per fixture unless otherwise noted

REMOTE BALLASTS FOR S SERIES

Wattage	For Use With	Voltage	Part #
1x24/39 W or 2x24/39 W	T5 LFL	120-277 VAC; 50/60 Hz	309361050-00092219
1x18/24/36 W or 2x18/24/36 W	T5 CFL	120-277 VAC; 50/60 Hz	309439010-00093716
1x17/25/32 W	T8 LFL	120-277 VAC; 50/60 Hz	309368010

RL70 REPLACEMENT LAMPS

Item	Base	Lumens	Length	Part #
17 W T8 LFL	G13	1400	23.9" (609 mm)	450017020
18 W T5 CFL	2G11	1250	9" (229 mm)	450018010
24 W T5 CFL	2G11	2000	22" (559 mm)	450024M10
25 W T8 LFL	G13	2225	35.9" (914 mm)	450025020
32 W T8 LFL	G13	2950	47.9" (1219 mm)	450032020
36 W T5 CFL	2G11	2900	16.5" (419 mm)	450036M10
36 WT8LFL	G13	3350	47.2" (1200 mm)	450036013-00051081
24 W T5HO LFL	G5	2000	22.2" (563 mm)	450024M12
39 W T5HO LFL	G5	3500	34" (864 mm)	450039012
54 W T5HO LFL	G5	5000	45.9" (1168 mm)	450054012