

















## TUBE LUMINAIRES

Waterproof tube luminaires are particularly suitable for the illumination of machine tools. The extensive tube luminaire range offers customized lighting, based on the task and the environment.



<b>RL 40 E</b> (integrated electronic ballast)		  IP67	<b>50 - 51</b>	Integrated machine luminaires 
<b>RL 70 E</b> (integrated electronic ballast)		  IP67	<b>52 - 55</b>	Surface- mounted luminaires 
<b>RL 70 H</b> (integrated electronic ballast behind the lamp)		  IP67	<b>56 - 57</b>	Tube luminaires 
<b>AWD</b>		   IP67	<b>58 - 59</b>	

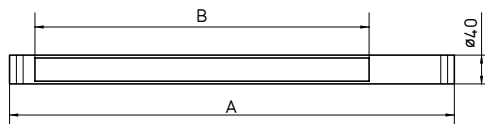
## RL 40 E (WITH INTEGRATED ELECTRONIC BALLAST)

ROBUST IN USE, SLIMLINE DESIGN.

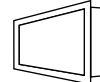


Tube luminaires are the established solution for providing wide-range lighting of larger workrooms. The powerful illumination of the RL 40 E luminaire is more than capable of meeting this task. Furthermore, despite its integrated ballast, it is very slim, robust and durable.

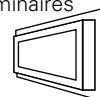
- With high luminous power and modern energy-saving technology
- With integrated electronic ballast
- Extremely long life and reliability thanks to the careful processing of premium materials
- Side-parts made of fiberglass-reinforced polyamide
- High system of protection
- Resistance-tested with many cooling agents and lubricants



Integrated machine luminaires



Surface-mounted luminaires

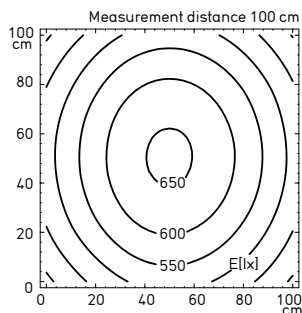


Tube luminaires



**Features at a glance**

- T16 fluorescent lamp
- Color temperature neutral white 4,000 K
- Direct beam
- Luminaire body of clear acrylic
- Integration by various brackets from the accessories
- Without switch
- System of protection IP67; class of protection I
- Supplied without mains lead with screwed cable gland
- Various brackets as accessories



Illuminance based on the example 1 x 54 W

230 – 240 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 24 WT16	Integrated electronic ballast	A = 1003 mm B = 549 mm	–	285/364 lx <sup>1</sup>	RL40 E - 124	112 231 020 - 000 491 49
1 x 39 WT16	Integrated electronic ballast	A = 1303 mm B = 849 mm	–	378/476 lx <sup>1</sup>	RL40 E - 139	112 232 020 - 000 492 26
1 x 54 WT16	Integrated electronic ballast	A = 1654 mm B = 1149 mm	–	533/654 lx <sup>1</sup>	RL40 E - 154	112 233 020 - 000 492 84

\*  $E_m$  = medium illuminance;  $E_{max}$  = maximum illuminance; <sup>1</sup> Measuring range 100 cm x 100 cm/Measuring distance 100 cm

## RL 70 E (WITH INTEGRATED ELECTRONIC BALLAST)

### EVERYTHING IN ONE PREMIUM PACKAGE.

Maximum, wide-range lighting of the inside of the machine – maybe in a glare-free design? The established answer to this is RL 70 E. Quite simply because this tube luminaire does not require an external ballast and is also not afraid of the toughest application conditions.

- With high luminous power and modern energy-saving technology
- In accordance with EN-1837 glare-free variants with parabolic louvers
- Integrated electronic ballast
- Extremely long life and reliability thanks to premium materials
- Bayonet connection of fiberglass-reinforced polyamide
- High system of protection
- Resistance-tested with many cooling agents and lubricants





Integrated  
machine  
luminaires



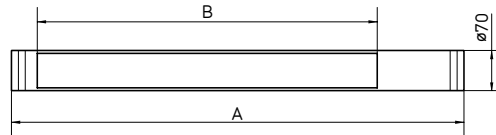
Surface-  
mounted  
luminaires



Tube  
luminaires

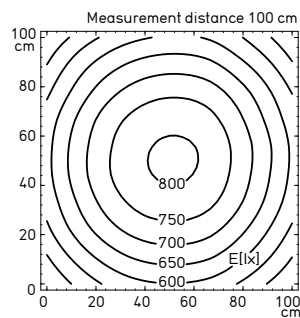


RL 70 E in design without parabolic louver

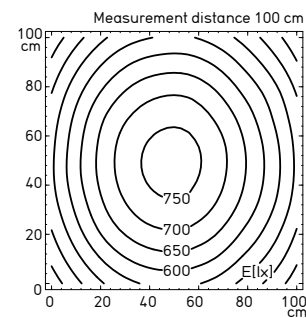


### Features at a glance

- TC-L and TC-SEL compact fluorescent lamp or T16, T26 fluorescent lamp(s)
- Color temperature neutral white 4,000 K
- Direct beam or glare-free thanks to aluminumized parabolic louver
- Luminaire body of clear acrylic or borosilicate glass
- Integration by various brackets from the accessories
- Without switch
- System of protection IP67; class of protection I
- Supplied without mains lead with screwed cable gland
- Various brackets as accessories



Illuminance based on the example  
2 x 39 W without parabolic louver



Illuminance based on the example  
2 x 39 W with parabolic louver

## 230 – 240 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 11 WTC-SEL	Integr. electronic ballast	A = 483 mm	B = 198 mm	Acrylic	135/171 lx <sup>1</sup>	RL70CE-111	111 921 000 - 000 637 57
1 x 11 WTC-SEL	Integr. electronic ballast	A = 483 mm	B = 198 mm	Acrylic; parabolic louver	120/157 lx <sup>1</sup>	RL70CE-111	111 921 010 - 000 637 56
1 x 11 WTC-SEL	Integr. electronic ballast	A = 483 mm	B = 198 mm	Borosilicate glass	120/157 lx <sup>1</sup>	RL70CE-111	111 921 001 - 000 637 59
1 x 11 WTC-SEL	Integr. electronic ballast	A = 483 mm	B = 198 mm	Borosilicate glass; parabolic louver	120/157 lx <sup>1</sup>	RL70CE-111	111 921 011 - 000 637 58
1 x 18 WT26	Integr. electronic ballast	A = 916 mm	B = 597 mm	Acrylic	207/262 lx <sup>1</sup>	RL70E-118	111 841 000 - 000 679 40
1 x 18 WT26	Integr. electronic ballast	A = 916 mm	B = 597 mm	Acrylic; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 841 010 - 000 688 91
1 x 18 WT26	Integr. electronic ballast	A = 916 mm	B = 597 mm	Borosilicate glass	207/262 lx <sup>1</sup>	RL70E-118	111 841 001 - 000 687 31
1 x 18 WT26	Integr. electronic ballast	A = 916 mm	B = 597 mm	Borosilicate glass; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 841 011 - 000 868 78
1 x 36 WT26	Integr. electronic ballast	A = 1724 mm	B = 1200 mm	Acrylic	410/490 lx <sup>1</sup>	RL70E-136	111 821 000 - 000 661 92
1 x 36 WT26	Integr. electronic ballast	A = 1724 mm	B = 1200 mm	Acrylic; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 821 010 - 000 695 45
1 x 36 WT26	Integr. electronic ballast	A = 1724 mm	B = 1200 mm	Borosilicate glass	410/490 lx <sup>1</sup>	RL70E-136	111 821 001 - 000 632 28
1 x 36 WT26	Integr. electronic ballast	A = 1724 mm	B = 1200 mm	Borosilicate glass; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 821 011 - 000 851 07
1 x 58 WT26	Integr. electronic ballast	A = 2027 mm	B = 1548 mm	Acrylic	497/693 lx <sup>2</sup>	RL70E-158	111 911 000 - 000 651 95
1 x 58 WT26	Integr. electronic ballast	A = 2027 mm	B = 1548 mm	Acrylic; parabolic louver	425/620 lx <sup>2</sup>	RL70E-158	111 911 010 - 000 695 46
1 x 58 WT26	Integr. electronic ballast	A = 2027 mm	B = 1548 mm	Borosilicate glass	497/693 lx <sup>2</sup>	RL70E-158	111 911 001 - 000 651 94
1 x 58 WT26	Integr. electronic ballast	A = 2027 mm	B = 1548 mm	Borosilicate glass; parabolic louver	425/620 lx <sup>2</sup>	RL70E-158	111 911 011 - 000 651 96

## 100/120/230 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 18 WTC-L	Integr. electronic ballast	A = 486 mm	B = 198 mm	Acrylic	160/205 lx <sup>1</sup>	RL70CE-118	111 371 000 - 000 570 24
1 x 18 WTC-L	Integr. electronic ballast	A = 486 mm	B = 198 mm	Acrylic; parabolic louver	154/211 lx <sup>1</sup>	RL70CE-118	111 371 010 - 000 570 23
1 x 18 WTC-L	Integr. electronic ballast	A = 486 mm	B = 198 mm	Borosilicate glass	160/205 lx <sup>1</sup>	RL70CE-118	111 371 001 - 000 570 26
1 x 18 WTC-L	Integr. electronic ballast	A = 486 mm	B = 198 mm	Borosilicate glass; parabolic louver	154/211 lx <sup>1</sup>	RL70CE-118	111 371 011 - 000 570 25
1 x 24 WTC-L	Integr. electronic ballast	A = 572 mm	B = 293 mm	Acrylic	259/333 lx <sup>1</sup>	RL70CE-124	111 381 000 - 000 570 29
1 x 24 WTC-L	Integr. electronic ballast	A = 572 mm	B = 293 mm	Acrylic; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 381 004 - 000 570 28
1 x 24 WTC-L	Integr. electronic ballast	A = 572 mm	B = 293 mm	Borosilicate glass	259/333 lx <sup>1</sup>	RL70CE-124	111 381 003 - 000 570 31
1 x 24 WTC-L	Integr. electronic ballast	A = 572 mm	B = 293 mm	Borosilicate glass; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 381 005 - 000 570 30

## 220 – 240 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 36 WTC-L	Integr. electronic ballast	A = 827 mm	B = 363 mm	Acrylic	337/437 lx <sup>1</sup>	RL70CE-136	112 009 000 - 000 661 19
1 x 36 WTC-L	Integr. electronic ballast	A = 827 mm	B = 363 mm	Acrylic; parabolic louver	327/450 lx <sup>1</sup>	RL70CE-136	112 009 010 - 000 661 17
1 x 36 WTC-L	Integr. electronic ballast	A = 827 mm	B = 363 mm	Borosilicate glass	337/437 lx <sup>1</sup>	RL70CE-136	112 009 001 - 000 661 18
1 x 36 WTC-L	Integr. electronic ballast	A = 827 mm	B = 363 mm	Borosilicate glass; parabolic louver	327/450 lx <sup>1</sup>	RL70CE-136	112 009 011 - 000 661 16
2 x 39 WT16	Integr. electronic ballast	A = 1475 mm	B = 829 mm	Acrylic	641/805 lx <sup>1</sup>	RL70E-239	112 501 000 - 000 975 72
2 x 39 WT16	Integr. electronic ballast	A = 1475 mm	B = 829 mm	Acrylic; parabolic louver	577/765 lx <sup>1</sup>	RL70E-239	112 501 010 - 000 975 74
2 x 39 WT16	Integr. electronic ballast	A = 1475 mm	B = 829 mm	Borosilicate glass	641/805 lx <sup>1</sup>	RL70E-239	112 501 001 - 000 975 73
2 x 39 WT16	Integr. electronic ballast	A = 1475 mm	B = 829 mm	Borosilicate glass; parabolic louver	577/765 lx <sup>1</sup>	RL70E-239	112 501 011 - 000 975 75
2 x 54 WT16	Integr. electronic ballast	A = 1744 mm	B = 1048 mm	Borosilicate glass	923/1427 lx <sup>2</sup>	RL70E-254	112 180 001 - 000 863 00
2 x 54 WT16	Integr. electronic ballast	A = 1744 mm	B = 1048 mm	Borosilicate glass; parabolic louver	698/1185 lx <sup>2</sup>	RL70E-254	112 180 011 - 000 863 01

## 110 – 230 V, 50/60 HZ

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FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 40 WTC-L	Integr. electronic ballast	A = 1040 mm	B = 530 mm	Borosilicate glass	442/563 lx <sup>1</sup>	RL70CE-140	112 331 003 - 000 307 81
1 x 40 WTC-L	Integr. electronic ballast	A = 1040 mm	B = 530 mm	Borosilicate glass; parabolic louver	400/552 lx <sup>1</sup>	RL70CE-140	112 331 005 - 000 307 75

\*  $E_m$  = medium illuminance;  $E_{max}$  = maximum illuminance<sup>1</sup> Measuring range 100 cm x 100 cm / Measuring distance 100 cm; <sup>2</sup> Measuring range 100 cm x 200 cm / Measuring distance 100 cm



Integrated  
machine  
luminaires



Surface-  
mounted  
luminaires



Tube  
luminaires



24 VDC							
FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Acrylic	159/205 lx <sup>1</sup>	RL70CE-118	112 370 000 - 000 841 57
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Acrylic; parabolic louver	152/208 lx <sup>1</sup>	RL70CE-118	112 370 010 - 000 841 68
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Borosilicate glass	159/205 lx <sup>1</sup>	RL70CE-118	112 370 001 - 000 841 61
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Borosilicate glass; parabolic louver	152/208 lx <sup>1</sup>	RL70CE-118	112 370 011 - 000 841 69
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Acrylic	207/262 lx <sup>1</sup>	RL70E-118	111 690 000 - 000 634 06
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Acrylic; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 690 010 - 000 674 71
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Borosilicate glass	207/262 lx <sup>1</sup>	RL70E-118	111 690 001 - 000 634 08
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Borosilicate glass; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 690 011 - 000 634 07
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Acrylic	259/333 lx <sup>1</sup>	RL70CE-124	111 440 000 - 000 571 73
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Acrylic; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 440 010 - 000 571 74
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Borosilicate glass	259/333 lx <sup>1</sup>	RL70CE-124	111 440 001 - 000 571 75
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Borosilicate glass; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 440 011 - 000 571 76
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Acrylic	337/437 lx <sup>1</sup>	RL70CE-136	111 450 000 - 000 640 46
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Acrylic; parabolic louver	327/450 lx <sup>1</sup>	RL70CE-136	111 450 010 - 000 644 22
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Borosilicate glass	337/437 lx <sup>1</sup>	RL70CE-136	111 450 001 - 000 571 77
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Borosilicate glass; parabolic louver	271/352 lx <sup>1</sup>	RL70CE-136	111 450 011 - 000 571 78
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Acrylic	410/490 lx <sup>1</sup>	RL70E-136	111 730 000 - 000 599 87
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Acrylic; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 730 010 - 000 599 90
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Borosilicate glass	410/490 lx <sup>1</sup>	RL70E-136	111 730 001 - 000 599 91
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Borosilicate glass; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 730 011 - 000 599 88
1 x 58 W T26	Integr. electronic ballast	A=1850 mm	B=1541 mm	Acrylic	497/693 lx <sup>2</sup>	RL70E-158	112 170 000 - 000 867 80
1 x 58 W T26	Integr. electronic ballast	A=1850 mm	B=1541 mm	Acrylic; parabolic louver	425/620 lx <sup>2</sup>	RL70E-158	112 170 010 - 000 887 53
1 x 58 W T26	Integr. electronic ballast	A=1850 mm	B=1541 mm	Borosilicate glass	497/693 lx <sup>2</sup>	RL70E-158	112 170 001 - 000 855 33
1 x 58 W T26	Integr. electronic ballast	A=1850 mm	B=1541 mm	Borosilicate glass; parabolic louver	425/620 lx <sup>2</sup>	RL70E-158	112 170 011 - 000 865 01

24 VAC, 50/60 HZ							
FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Acrylic	159/205 lx <sup>1</sup>	RL70CE-118	112 369 000 - 000 841 94
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Acrylic; parabolic louver	152/208 lx <sup>1</sup>	RL70CE-118	112 369 010 - 000 841 95
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Borosilicate glass	159/205 lx <sup>1</sup>	RL70CE-118	112 369 001 - 000 842 04
1 x 18 WTC-L	Integr. electronic ballast	A=524 mm	B=212 mm	Borosilicate glass; parabolic louver	152/208 lx <sup>1</sup>	RL70CE-118	112 369 011 - 000 841 97
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Acrylic	207/262 lx <sup>1</sup>	RL70E-118	111 650 000 - 000 630 29
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Acrylic; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 650 010 - 000 815 94
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Borosilicate glass	207/262 lx <sup>1</sup>	RL70E-118	111 650 001 - 000 630 30
1 x 18 W T26	Integr. electronic ballast	A=919 mm	B=597 mm	Borosilicate glass; parabolic louver	172/222 lx <sup>1</sup>	RL70E-118	111 650 011 - 000 630 31
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Acrylic	259/333 lx <sup>1</sup>	RL70CE-124	111 410 000 - 000 571 56
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Acrylic; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 410 010 - 000 571 57
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Borosilicate glass	259/333 lx <sup>1</sup>	RL70CE-124	111 410 001 - 000 571 58
1 x 24 WTC-L	Integr. electronic ballast	A=639 mm	B=317 mm	Borosilicate glass; parabolic louver	220/313 lx <sup>1</sup>	RL70CE-124	111 410 011 - 000 571 59
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Acrylic	337/437 lx <sup>1</sup>	RL70CE-136	111 420 000 - 000 571 61
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Acrylic; parabolic louver	327/450 lx <sup>1</sup>	RL70CE-136	111 420 010 - 000 571 62
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Borosilicate glass	337/437 lx <sup>1</sup>	RL70CE-136	111 420 001 - 000 571 64
1 x 36 WTC-L	Integr. electronic ballast	A=747 mm	B=364 mm	Borosilicate glass; parabolic louver	327/450 lx <sup>1</sup>	RL70CE-136	111 420 011 - 000 571 67
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Acrylic	410/490 lx <sup>1</sup>	RL70E-136	111 720 000 - 000 599 78
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Acrylic; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 720 010 - 000 599 77
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Borosilicate glass	410/490 lx <sup>1</sup>	RL70E-136	111 720 001 - 000 599 80
1 x 36 W T26	Integr. electronic ballast	A=1532 mm	B=1210 mm	Borosilicate glass; parabolic louver	348/420 lx <sup>1</sup>	RL70E-136	111 720 011 - 000 599 79

\*  $E_m$  = medium illuminance;  $E_{max}$  = maximum illuminance

<sup>1</sup> Measuring range 100 cm x 100 cm/Measuring distance 100 cm; <sup>2</sup> Measuring range 100 cm x 200 cm/Measuring distance 100 cm



## RL 70 H (ELECTRONIC BALLAST BEHIND THE LAMP)

CONVINCING LIGHT ALONG ITS ENTIRE LENGTH.



Two become one: the RL 70 H intelligently combines the advantages of an integrated luminaire with the advantages of a separate ballast. It practically illuminates the entire tube length without requiring any further components.

- With high luminous power and modern energy-saving technology
- Light output along almost the entire length of the luminaire
- In accordance with EN-1837 glare-free variants with parabolic louvers
- With integrated electronic ballast
- Extremely long life and reliability thanks to premium materials
- Bayonet connection of fiberglass-reinforced polyamide
- High system of protection
- Resistance-tested with many cooling agents and lubricants

230 – 240 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Acrylic	280/354 lx <sup>1</sup>	RL70CE-136 H	112 472 000 - 000 908 25
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Acrylic; parabolic louver	271/352 lx <sup>1</sup>	RL70CE-136 H	112 472 010 - 000 878 15
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Borosilicate glass	280/354 lx <sup>1</sup>	RL70CE-136 H	112 472 001 - 000 908 24
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Borosilicate glass; parabolic louver	271/352 lx <sup>1</sup>	RL70CE-136 H	112 472 011 - 000 908 03
2 x 36 WTC-L	Integr. electronic ballast	A = 1065 mm	B = 790 mm	Acrylic	421/515 lx <sup>1</sup>	RL70CE-236 H	112 449 000 - 000 813 04
2 x 36 WTC-L	Integr. electronic ballast	A = 1065 mm	B = 790 mm	Acrylic; parabolic louver	409/510 lx <sup>1</sup>	RL70CE-236 H	112 449 010 - 000 828 68
2 x 36 WTC-L	Integr. electronic ballast	A = 1065 mm	B = 790 mm	Borosilicate glass	421/515 lx <sup>1</sup>	RL70CE-236 H	112 449 001 - 000 813 05
2 x 36 WTC-L	Integr. electronic ballast	A = 1065 mm	B = 790 mm	Borosilicate glass; parabolic louver	409/510 lx <sup>1</sup>	RL70CE-236 H	112 449 011 - 000 813 32

110/230 V, 50/60 HZ

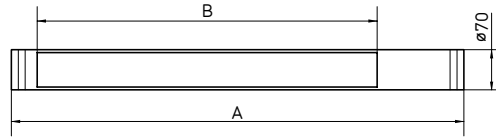
cETLus

FITTED WITH	OPERATING DEVICE	DIMENSIONS		SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Acrylic	280/354 lx <sup>1</sup>	RL70CE-136 H	619 063 007 - 000 831 50
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Acrylic; parabolic louver	256/350 lx <sup>1</sup>	RL70CE-136 H	619 063 017 - 000 831 49
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Borosilicate glass	280/354 lx <sup>1</sup>	RL70CE-136 H	619 063 001 - 000 109 61
1 x 36 WTC-L	Integr. electronic ballast	A = 585 mm	B = 395 mm	Borosilicate glass; parabolic louver	256/350 lx <sup>1</sup>	RL70CE-136 H	619 063 011 - 000 059 22

\*  $E_m$  = medium illuminance;  $E_{max}$  = maximum illuminance; <sup>1</sup> Measuring range 100 cm x 100 cm / Measuring distance 100 cm



RL 70 H in design without parabolic louvre



Integrated machine luminaires



Surface-mounted luminaires

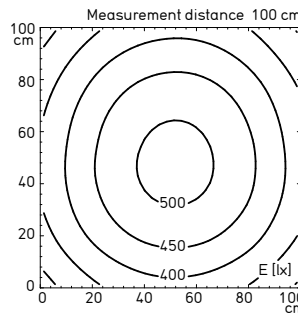


Tube luminaires

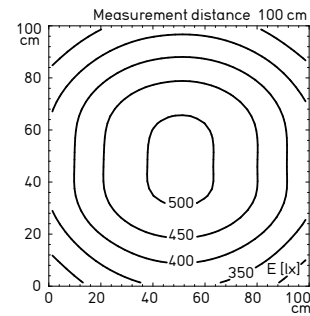


**Features at a glance**

- TC-L compact fluorescent lamp(s)
- Color temperature neutral white 4,000 K
- Direct beam or glare-free thanks to aluminized parabolic louvre
- Luminaire body of clear acrylic or borosilicate glass
- Integration by various brackets from the accessories
- Without switch
- System of protection IP67; class of protection I
- Supplied without mains lead with screwed cable gland
- Various brackets as accessories



Illuminance based on the example 2 x 36 W without parabolic louvre (112 449 001 - 000 813 05)



Illuminance based on the example 2 x 36 W with parabolic louvre (112 449 011 - 000 813 32)

**100 – 250 V, 50/60 HZ**

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Acrylic	242/305 lx <sup>1</sup>	RL70CE-124 H	112 911 000 - 004 887 10
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Acrylic; parabolic louvre	207/281 lx <sup>1</sup>	RL70CE-124 H	112 911 010 - 004 888 15
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Borosilicate glass	242/305 lx <sup>1</sup>	RL70CE-124 H	112 911 001 - 004 887 13
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Borosilicate glass; parabolic louvre	207/281 lx <sup>1</sup>	RL70CE-124 H	112 911 011 - 004 888 18

**100 – 277 V, 50/60 HZ** cETLus-variants (not CE-conform)

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Acrylic	242/305 lx <sup>1</sup>	RL70CE-124 H	112 913 000 - 004 887 07
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Acrylic; parabolic louvre	207/281 lx <sup>1</sup>	RL70CE-124 H	112 913 010 - 004 887 29
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Borosilicate glass	242/305 lx <sup>1</sup>	RL70CE-124 H	112 913 001 - 004 887 16
1 x 24 WTC-L	Integr. electronic ballast	A=495 mm B=311 mm	Borosilicate glass; parabolic louvre	207/281 lx <sup>1</sup>	RL70CE-124 H	112 913 011 - 004 887 35

**24 VAC/DC**

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m / E_{max}^*$	MODEL	ORDER NO.
1 x 24 WTC-L	Integr. electronic ballast	A=475 mm B=331 mm	Acrylic	204/259 lx <sup>1</sup>	RL70CE-124 H	112 470 004 - 000 929 98
1 x 24 WTC-L	Integr. electronic ballast	A=475 mm B=331 mm	Acrylic; parabolic louvre	196/257 lx <sup>1</sup>	RL70CE-124 H	112 470 006 - 000 930 00
1 x 24 WTC-L	Integr. electronic ballast	A=475 mm B=331 mm	Borosilicate glass	204/259 lx <sup>1</sup>	RL70CE-124 H	112 470 005 - 000 929 99
1 x 24 WTC-L	Integr. electronic ballast	A=475 mm B=331 mm	Borosilicate glass; parabolic louvre	196/257 lx <sup>1</sup>	RL70CE-124 H	112 470 007 - 000 930 01
1 x 36 WTC-L	Integr. electronic ballast	A=585 mm B=395 mm	Acrylic	258/322 lx <sup>1</sup>	RL70CE-136 H	112 411 000 - 000 939 95
1 x 36 WTC-L	Integr. electronic ballast	A=585 mm B=395 mm	Acrylic; parabolic louvre	271/352 lx <sup>1</sup>	RL70CE-136 H	112 411 010 - 000 939 96
1 x 36 WTC-L	Integr. electronic ballast	A=585 mm B=395 mm	Borosilicate glass	258/322 lx <sup>1</sup>	RL70CE-136 H	112 411 001 - 000 940 03
1 x 36 WTC-L	Integr. electronic ballast	A=585 mm B=395 mm	Borosilicate glass; parabolic louvre	271/352 lx <sup>1</sup>	RL70CE-136 H	112 411 011 - 000 940 04

\* $E_m$  = medium illuminance;  $E_{max}$  = maximum illuminance; <sup>1</sup> Measuring range 100 cm x 100 cm / Measuring distance 100 cm

## AWD

A STRONG LIGHT IN TOUGH CONDITIONS.



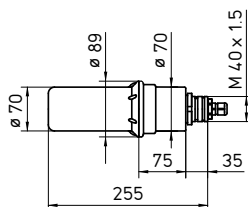
The AWD is the ideal tube luminaire for lighting up tight spaces: its dimensions are short and compact, which doesn't prevent it from being a powerful, energy-efficient luminaire.

- With options for fluorescent lamps or LED technology
- Only one luminaire bracket is required for mounting it
- Extremely long life and reliability thanks to premium materials
- High system of protection
- Resistance-tested with many cooling agents and lubricants

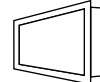


AWDL 1

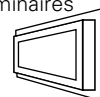
efficient *light*



Integrated machine luminaires



Surface-mounted luminaires

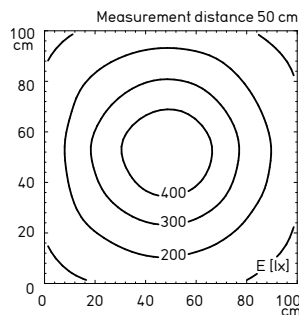


Tube luminaires

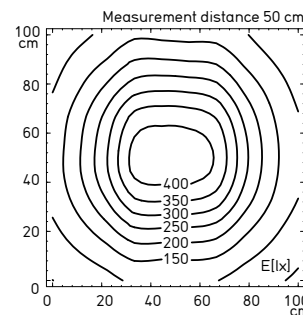


Features at a glance

- TC-DEL compact fluorescent lamp or 1 x HIGH POWER LED
- Color temperature neutral white 4,000 K
- Direct beam or glare-free thanks to aluminized parabolic louver (TC-DEL)
- Luminaire body of borosilicate glass
- Integration by screws or brackets from the accessories
- Without switch
- System of protection IP67; class of protection II (TC-DEL) or class of protection III (LED)
- Supplied without mains lead with screwed cable gland
- Bracket as accessory



Illuminance AWDL 1



Illuminance AWDCE with parabolic louver

24 VDC

CONSUMPTION	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m/E_{max}^*$	MODEL	ORDER NUMBER
<b>NEW</b> 5.5 W LED	–	ø 70 mm	Borosilicate glass; reflector	234/476 lx <sup>1</sup>	AWDL 1	112 950 000 - 005 215 46

230 – 240 V, 50/60 HZ

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m/E_{max}^*$	MODEL	ORDER NUMBER
1 x 18 W TC-DEL	Integrated electronic ballast	ø 70 mm	Borosilicate glass	289/598 lx <sup>1</sup>	AWDCE 118	112 154 001 - 000 836 34
1 x 18 W TC-DEL	Integrated electronic ballast	ø 70 mm	Borosilicate glass; parabolic louver	189/425 lx <sup>1</sup>	AWDCE 118	112 154 011 - 000 836 35

24 VDC

FITTED WITH	OPERATING DEVICE	DIMENSIONS	SPECIAL FEATURE	$E_m/E_{max}^*$	MODEL	ORDER NUMBER
1 x 18 W TC-DEL	Integrated electronic ballast	ø 70 mm	Borosilicate glass	289/598 lx <sup>1</sup>	AWDCE 118	112 153 001 - 000 836 32
1 x 18 W TC-DEL	Integrated electronic ballast	ø 70 mm	Borosilicate glass; parabolic louver	189/425 lx <sup>1</sup>	AWDCE 118	112 153 011 - 000 836 33

\*  $E_m$  = Medium illuminance;  $E_{max}$  = Maximum illuminance; <sup>1</sup> Measuring range 100 cm x 100 cm / Measuring distance 50 cm