
D


LEVI'S




P
Extra Markt

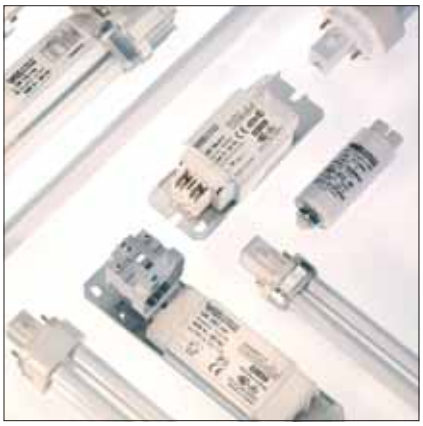
Components for Compact Fluorescent Lamps

Ballasts for Compact Fluorescent Lamps **42–51**
Electronic ballasts 42–45
Product drawings and wiring diagrams for electronic ballasts 46–47
Electromagnetic ballasts 48–49
Product drawings and wiring diagrams for electromagnetic ballasts 50–51

Lampholders for Compact Fluorescent Lamps **52–78**
G23, G23-2 52–53
GX23, GX23-2 54–55
2G7 55–56
2GX7 56–57
G24, GX24 57–68
2G8 68
2G10 68
2G11 69
GR8, GR10q, GRY10q-3, GRZ10d, GRZ10t 70–72
Accessories 72–75
GX53, accessories 76–78

Technical Details for Compact Fluorescent Lamp Components **120–129**
Ref. No. index for CFL products 79–84







While modern design aims at further reducing dimensions and materials, modern thinking centers around an unprecedented interest in improving efficiency and environmental protection. Compact fluorescent lamps, which were already developed at the beginning of the 1980s, constituted a first step towards satisfying these demands.

Compact fluorescent lamps deserve the claim "particularly economical and eco-friendly" because they require considerably less energy in luminous comparison to incandescent lamps while guaranteeing a substantially longer service life. These little "eco wonders" are single-ended, tri-phosphor compact fluorescent lamps with wattages from 5W upwards.

Shorter designs can serve as a substitute for incandescent light bulbs. Slimmer models with higher wattages can replace double-ended fluorescent lamps and because of their reduced dimensions, considerably smaller luminaires with high light output can be produced.

new>>

Electronic Ballasts for Compact Fluorescent Lamps 10, 13, 18W

EXUr – Programmed Rapid Start

Case: metal, white lacquered
Total harmonic distortion: <10%
Minimum starting temperature t_a: –20°C/–4°F
Maximum case temperature t_c:
A 5-year-warranty is granted from the date of manufacture stamped on the ballasts for a maximum case temperature of t_c max.: 80°C
A 3-year-warranty is granted from the date of manufacture for all ballasts up to a maximum case temperature of 90°C.
Operation greater than 90°C is not warranted.
Quick-connect terminals: 18AWG solid
Side entry and bottom entry configuration
Inherent thermal protection UL listed class P
Type 1 outdoor; Type CC
Sound rated A
Lamp end-of-life protection
Automatic restart after lamp replacement
Mounting feet slots for #8 screws (M4)
Compatible with frequent starting conditions (up to 50,000 starts) such as occupancy sensor system
Conform with the following standards:
UL, CSA (FKVS/7)
FCC 47CFR Part 18 Non-consumer



Compact Shape USM2

	Lamp			Electronic ballast						System	
	Output W	Type	Base	Type	**Ref. No.**	Input Voltage AC ±10% V (50/60Hz)	Input current 120/277V A	Drawing on page 46	Power factor	Input 120/277V W	Ballast factor %
	10W										
new>>	2x10	CFQ 10	G24q-1	EXUr 213.009	**188507**	120–277	0.200/0.091	USM2	≥0.94	22.5/22.6	100
	13W										
new>>	13	CFTR 13 CFQ 13	GX24q-1 G24q-1	EXUr 213.009	**188507**	120–277	0.142/0.068	USM2	≥0.94	15.5/16.1	100
new>>	2x13	CFTR 13 CFQ 13	GX24q-1 G24q-1	EXUr 213.009	**188507**	120–277	0.255/0.114	USM2	≥0.94	28.6/28.7	100
	18W										
new>>	18	CFTR 18 CFQ 18	GX24q-2 G24q-2	EXUr 218.006	**188272**	120–277	0.157/0.079	USM2	≥0.93	18.8/19.0	100
new>>	2x18	CFTR 18 CFQ 18	GX24q-2 G24q-2	EXUr 218.006	**188272**	120–277	0.305/0.136	USM2	≥0.93	36.5/36.0	100

Electronic Ballasts for Compact Fluorescent Lamps 22, 24, 26W

EXUr – Programmed Rapid Start

Case: metal, white lacquered
Total harmonic distortion: <10%
Minimum starting temperature t_a: –20°C/–4°F
Maximum case temperature t_c:
A 5-year-warranty is granted from the date of manufacture stamped on the ballasts for a maximum case temperature of t_c max.: 80°C (70°C for USM5).
A 3-year-warranty is granted from the date of manufacture up to a maximum case temperature of 90°C (except USM5).
Operation greater than 90°C (70°C for USM5) is not warranted.
Quick-connect terminals: 18AWG solid
Side entry and bottom entry configuration (USM1/2)
Inherent thermal protection UL listed class P
Type 1 outdoor; Type CC
Sound rated A
Lamp end-of-life protection
Automatic restart after lamp replacement
Mounting feet slots for #8 screws (M4)
Compatible with frequent starting conditions (up to 50,000 starts) such as occupancy sensor system
Conform with the following standards:
UL, CSA (FKVS/7)
FCC 47CFR Part 18 Non-consumer



Compact Shape USM1



Compact Shape USM2



Flat Shape USM5

c UL us



	Lamp			Electronic ballast						System	
	Output W	Type	Base	Type	**Ref. No.**	Input Voltage AC ±10% V (50/60Hz)	Input current 120/277V A	Drawing on page 46	Power factor	Input 120/277V W	Ballast factor %
	22W										
new>>	22	FC-22	2GX13	EXUr 239.002	**188226**	120–277	0.22/0.11	USM5	≥0.85	26/26	103
new>>	2x22	FC-22	2GX13	EXUr 239.002	**188226**	120–277	0.42/0.19	USM5	≥0.96	50/50	104
	24W										
new>>	24	FT24	2G11/2G10	EXUr 239.002	**188226**	120–277	0.22/0.11	USM5	≥0.85	26/26	102
new>>	2x24	FT24	2G11/2G10	EXUr 239.002	**188226**	120–277	0.43/0.19	USM5	≥0.96	51/50	103
	26W										
new>>	26	CFTR/CFQ 26	GX24q-3/G24q-3	EXUr 142.005	**188271**	120–277	0.245/0.114	USM2	≥0.96	29.3/29.3	100
new>>	2x26	CFTR/CFQ 26	GX24q-3/G24q-3	EXUr 142.005	**188271**	120–277	0.493/0.212	USM2	≥0.96	59.0/57.5	100
	2x26	CFTR/CFQ 26	GX24q-3/G24q-3	EXUr 242.000	**188201**	120–277	0.485/0.215	USM1	≥0.97	59.0/58.0	100

new>>

Electronic Ballasts for Compact Fluorescent Lamps 32, 36, 40, 42W

EXUr – Programmed Rapid Start

Case: metal, white lacquered
Total harmonic distortion: <10%
Minimum starting temperature t_a: –20°C/–4°F
Maximum case temperature t_c:
A 5-year-warranty is granted from the date of manufacture stamped on the ballasts for a maximum case temperature of t_c max.: 80°C (70°C for USM5).
A 3-year-warranty is granted from the date of manufacture up to a maximum case temperature of 90°C (except USM5).
Operation greater than 90°C (70°C for USM5) is not warranted.
Quick-connect terminals: 18AWG solid
Side entry and bottom entry configuration (USM1/2)
Inherent thermal protection UL listed class P
Type 1 outdoor; Type CC
Sound rated A
Lamp end-of-life protection
Automatic restart after lamp replacement
Mounting feet slots for #8 screws (M4)
Compatible with frequent starting conditions (up to 50,000 starts) such as occupancy sensor system
Conform with the following standards:
UL, CSA (FKVS/7)
FCC 47CFR Part 18 Non-consumer



Compact Shape USM1



Compact Shape USM2



Flat Shape USM5

c UL us

Lamp			Electronic ballast						System	
Output W	Type	Base	Type	**Ref. No.**	Input Voltage AC ±10% V (50/60Hz)	Input current 120/277V A	Drawing on page 46	Power factor	Input 120/277V W	Ballast factor %
32W										
new>> 32	CFTR 32	GX24q-3	EXUr 142.005	**188271**	120–277	0.322/0.143	USM2	≥0.96	38.7/38.4	100
2x32	CFTR 32	GX24q-3	EXUr 242.000	**188201**	120–277	0.600/0.260	USM1	≥0.97	73.0/71.0	100
36W										
36	FT36	2G11/2G10	EXUr 239.002	**188226**	120–277	0.290/0.140	USM5	≥0.90	34/34	93
2x36	FT36	2G11/2G10	EXUr 239.002	**188226**	120–277	0.560/0.240	USM5	≥0.98	66/64	94
40W										
40	FC-40	2GX13	EXUr 239.002	**188226**	120–277	0.370/0.170	USM5	≥0.95	44/44	98
2x40	FC-40	2GX13	EXUr 239.002	**188226**	120–277	0.710/0.300	USM5	≥0.98	84/82	99
42W										
new>> 42	CFTR 42	GX24q-4	EXUr 142.005	**188271**	120–277	0.405/0.180	USM2	≥0.96	49.0/48.5	100
2x42	CFTR 42	GX24q-4	EXUr 242.000	**188201**	120–277	0.830/0.345	USM1	≥0.97	97.0/94.0	100

Electronic Ballasts for Compact Fluorescent Lamps 55, 57, 70W

EXUr – Programmed Rapid Start

Case: metal, white lacquered
Total harmonic distortion: <10%
Minimum starting temperature t_a: –20°C/–4°F
Maximum case temperature t_c:
A 5-year-warranty is granted from the date of manufacture stamped on the ballasts for a maximum case temperature of t_c max.: 80°C
A 3-year-warranty is granted from the date of manufacture for all ballasts up to a maximum case temperature of 90°C.
Operation greater than 90°C is not warranted.
Quick-connect terminals: 18AWG solid
Side entry and bottom entry configuration (USM1/2)
Inherent thermal protection UL listed class P
Type 1 outdoor; Type CC
Sound rated A
Lamp end-of-life protection
Automatic restart after lamp replacement
Mounting feet slots for #8 screws (M4)
Compatible with frequent starting conditions (up to 50,000 starts) such as occupancy sensor system
Conform with the following standards:
UL, CSA (FKVS/7)
FCC 47CFR Part 18 Non-consumer



Compact Shape USM1



Low Profile Shape USM4

new>>

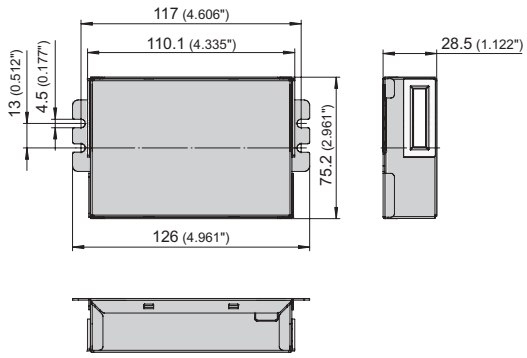
	Lamp			Electronic ballast						System	
	Output W	Type	Base	Type	**Ref. No.**	Input Voltage AC ±10% V (50/60Hz)	Input current 120/277V A	Drawing on page 46	Power factor	Input 120/277V W	Ballast factor %
	55W										
new>>	55	FT55	2G11	EXUr 254.008	**188415**	120–277	0.51/0.22	USM4	≥0.96	60/60	100
new>>		FC-55	2GX13	EXUr 254.008	**188415**	120–277	0.51/0.22	USM4	≥0.96	60/60	100
new>>	2x55	FT55	2G11	EXUr 254.008	**188415**	120–277	1.19/0.43	USM4	≥0.96	125/120	100
new>>		FC-55	2GX13	EXUr 254.008	**188415**	120–277	1.19/0.43	USM4	≥0.96	125/120	100
	57W										
	57	CFTR 57	GX24q-5	EXUr 242.000	**188201**	120–277	0.515/0.220	USM1	≥0.97	62.0/61.0	100
	70W										
	70	CFTR 70	GX24q-6	EXUr 242.000	**188201**	120–277	0.610/0.260	USM1	≥0.97	77.0/75.0	100

Electronic Ballasts for Compact Fluorescent Lamps

Product Drawings

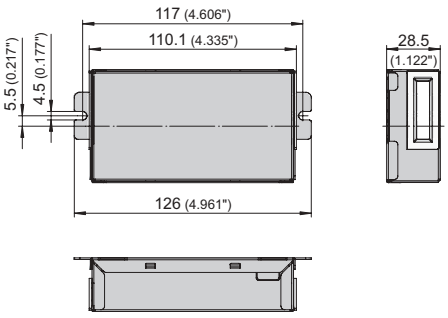
All product drawings are shown in millimeters and inches.

USM1



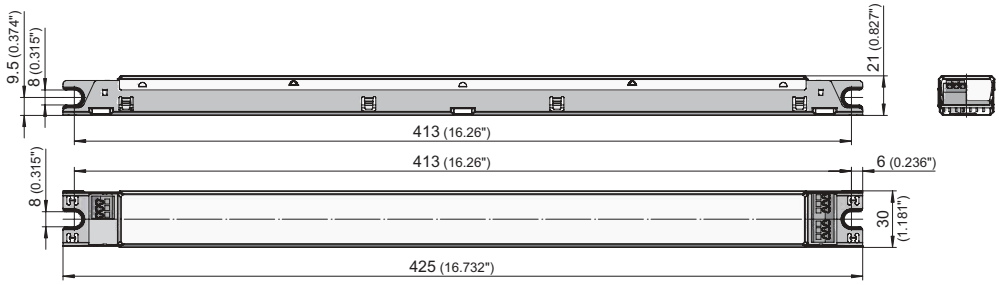
Ref. No.	Type	Page
188201	EXUr 242.000	43, 44, 45

USM2



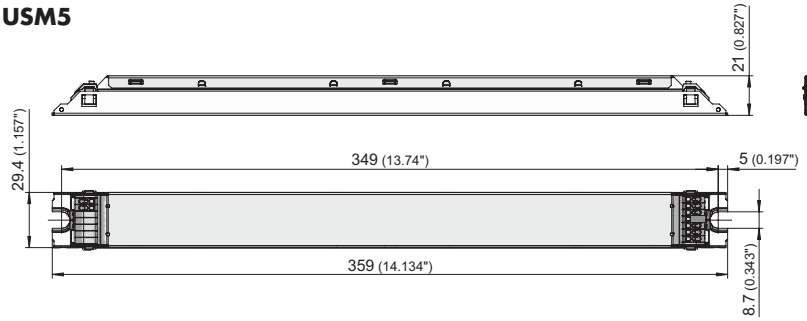
Ref. No.	Type	Page
188271	EXUr 142.005	43, 44
188272	EXUr 218.006	42
188507	EXUr 213.009	42

USM4



Ref. No.	Type	Page
188415	EXUr 254.008	45

USM5



Ref. No.	Type	Page
188226	EXUr 239.002	43, 44

Electronic Ballasts for Compact Fluorescent Lamps

Wiring Diagrams

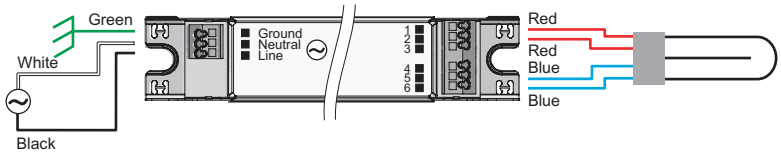
1 Lamp Operation – USM1, USM2



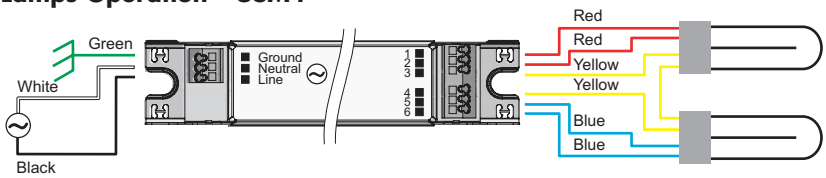
2 Lamps Operation – USM1, USM2



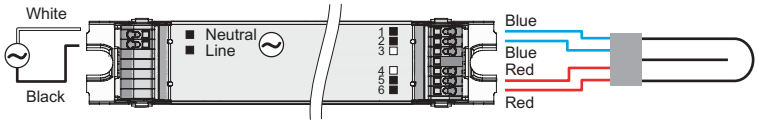
1 Lamp Operation – USM4



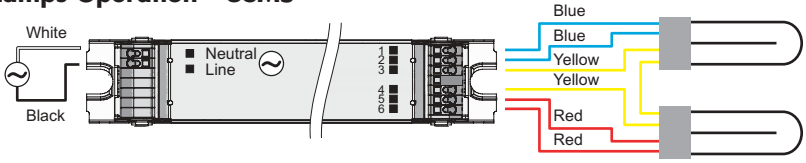
2 Lamps Operation – USM4

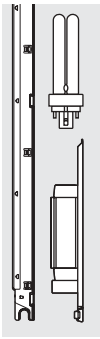


1 Lamp Operation – USM5



2 Lamps Operation – USM5





Note: All electronic ballasts for compact fluorescent lamps have quick-connect terminals. They will be supplied without leads.

Electromagnetic Ballasts for Compact Fluorescent Lamps 5, 7, 9W – 120V

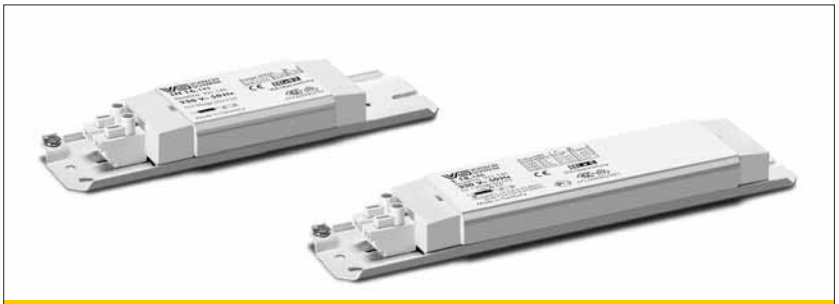
Super-thin Shape: 18x41mm
Standard Shape: 28x41mm

Vacuum-impregnated with polyester resin
Quick-connect terminals: 20–16AWG solid
In addition for Standard shape:
IDC terminals for leads H05V-U 0.5
for the automatic luminaire wiring
tw 130
With ground screw (super-thin shape)

c UL us
E139710



A Super-thin Shape with Mounted G23 Lampholder



C Super-thin Shape



E Standard Shape

Lamp				Ballast								Capacitor
Output W	Type	Base	Current mA	Type	**Ref. No.**	V, Hz	Power factor	Shape	Drawing on page 50	Weight kg	$\Delta t/\Delta t_{an.}$ K	C_p µF ±10%
5W												
5	TC-S	G23	180	L 7/9.156	**163141**	120, 60	0.37	Super-thin+	A	0.37	20/50	3
5	TC-S	G23	180	L 7/9.156	**169935**	120, 60	0.37	Super-thin	C	0.37	20/50	3
5	TC-S	G23	180	L 7/9.209	**163318**	120, 60	0.35	Standard	E	0.32	25/40	3
7W												
7	TC-S	G23	175	L 7/9.156	**163141**	120, 60	0.47	Super-thin+	A	0.37	20/50	3
7	TC-S	G23	175	L 7/9.156	**169935**	120, 60	0.47	Super-thin	C	0.37	20/50	3
7	TC-S	G23	175	L 7/9.209	**163318**	120, 60	0.45	Standard	E	0.32	25/40	3
9W												
9	TC-S	G23	170	L 7/9.156	**163141**	120, 60	0.55	Super-thin+	A	0.37	20/50	3
9	TC-S	G23	170	L 7/9.156	**169935**	120, 60	0.55	Super-thin	C	0.37	20/50	3
9	TC-S	G23	170	L 7/9.209	**163318**	120, 60	0.52	Standard	E	0.32	25/40	3
With temperature fuse, class "P"												
5	TC-S	G23	180	L 7/9.209	**177830**	120, 60	0.35	Standard	E	0.32	25/40	3
7	TC-S	G23	175	L 7/9.209	**177830**	120, 60	0.45	Standard	E	0.32	25/40	3
9	TC-S	G23	170	L 7/9.209	**177830**	120, 60	0.52	Standard	E	0.32	25/40	3

Electromagnetic Ballasts for Compact Fluorescent Lamps 13, 18W – 120V

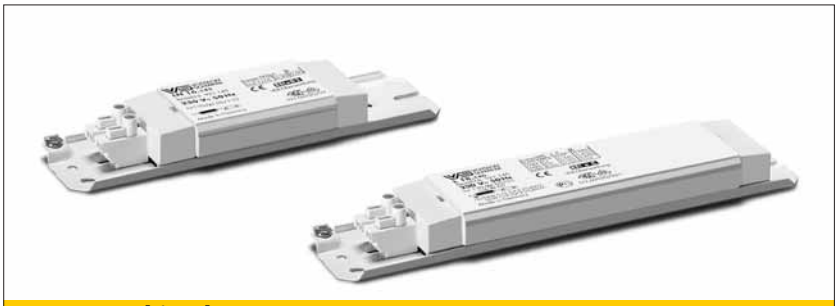
Super-thin Shape: 18×41mm
Slim Shape: 28×28mm
Standard Shape: 28×41mm

Vacuum-impregnated with polyester resin
Quick-connect terminals: 20–16AWG solid
In addition for Standard and Slim shape:
IDC terminals for leads H05V-U 0.5
for the automatic luminaire wiring
tw 130
With ground screw (super-thin shape)

c UL us
E139710 (except 505626)



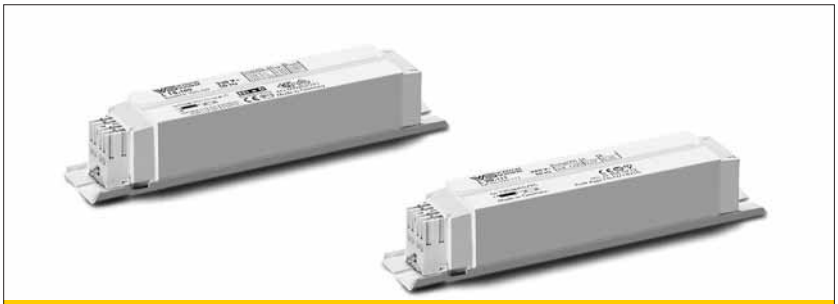
B Super-thin Shape with Mounted GX23/GX23-2 Lampholder



C Super-thin Shape

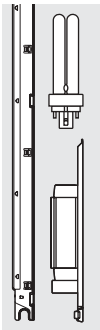


E Standard Shape



D Slim Shape

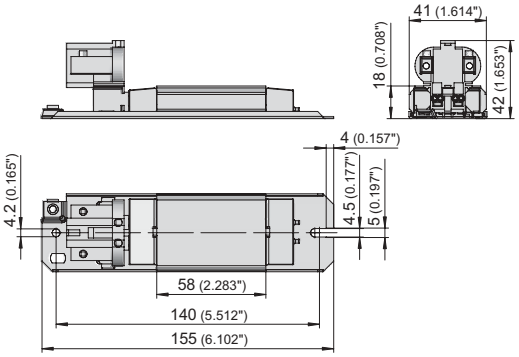
Lamp				Ballast								Capacitor
Output W	Type	Base	Current mA	Type	**Ref. No.**	V, Hz	Power factor	Shape	Drawing on page 50	Weight kg	$\Delta t/\Delta t_{an.}$ K	C_p µF ±10%
13W												
13	TC-S	GX23	285	L 13II.174	**163221**	120, 60	0.52	Super-thin+	B	0.37	25/65	4
13	TC-D	GX23-2	285	L 13II.174	**163221**	120, 60	0.52	Super-thin+	B	0.37	25/65	4
13	TC-S	GX23	285	L 13II.174	**163197**	120, 60	0.52	Super-thin	C	0.37	25/65	4
13	TC-D	GX23-2	285	L 13II.174	**163197**	120, 60	0.52	Super-thin	C	0.37	25/65	4
13	TC-S	GX23	285	L 13II.144	**505626**	120, 60	0.50	Slim	D	0.34	40/80	4
13	TC-D	GX23-2	285	L 13II.144	**505626**	120, 60	0.50	Slim	D	0.34	40/80	4
13	TC-S	GX23	285	L 13II.133	**163273**	120, 60	0.51	Standard	E	0.32	35/65	4
13	TC-D	GX23-2	285	L 13II.133	**163273**	120, 60	0.51	Standard	E	0.32	35/65	4
With temperature fuse, class "P"												
13	TC-S	GX23	285	L 13II.174	**163233**	120, 60	0.52	Super-thin+	B	0.37	25/65	4
13	TC-D	GX23-2	285	L 13II.174	**163233**	120, 60	0.52	Super-thin+	B	0.37	25/65	4
13	TC-S	GX23	285	L 13II.174	**163220**	120, 60	0.52	Super-thin	C	0.37	25/65	4
13	TC-D	GX23-2	285	L 13II.174	**163220**	120, 60	0.52	Super-thin	C	0.37	25/65	4
13	TC-S	GX23	285	L 13II.133	**500351**	120, 60	0.51	Standard	E	0.32	35/65	4
13	TC-D	GX23-2	285	L 13II.133	**500351**	120, 60	0.51	Standard	E	0.32	35/65	4
18W												
18	FT18	2G10/2G11	370	L 20.122	**163256**	120, 60	0.51	Standard	E	0.32	35/80	5



Electromagnetic Ballasts for Compact Fluorescent Lamps

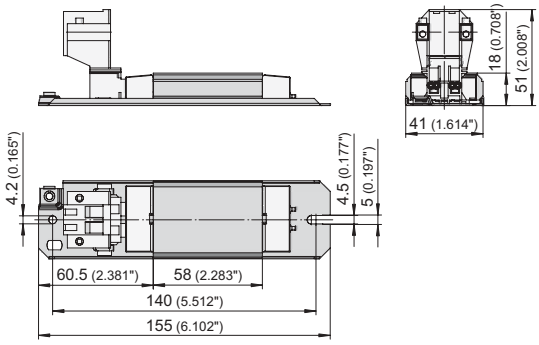
Product Drawings
All product drawings are shown in millimeters and inches.

A Super-thin Shape with Mounted G23 Lampholder



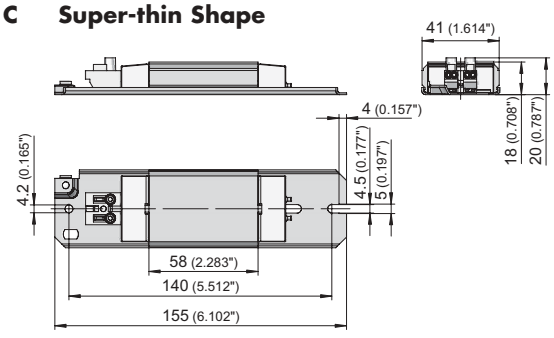
Ref. No.	Type	Page
163141	L 7/9.156	48

B Super-thin Shape with Mounted GX23/GX23-2 Lampholder



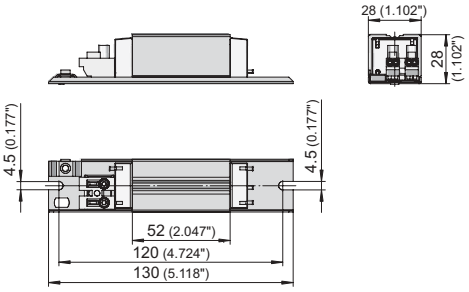
Ref. No.	Type	Page
163221	L 13II.174	49
163233	L 13II.174	49

C Super-thin Shape



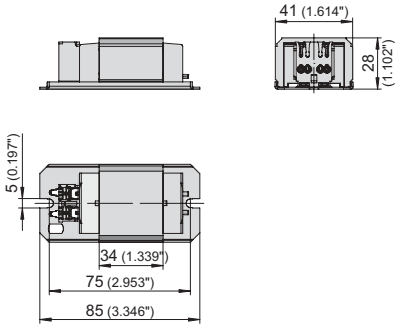
Ref. No.	Type	Page
163197	L 13II.174	49
163220	L 13II.174	49
169935	L 7/9.156	48

D Slim Shape



Ref. No.	Type	Page
505626	L 13II.144	49

E Standard Shape



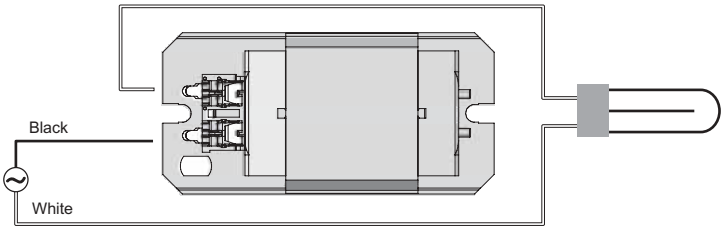
Ref. No.	Type	Page
163256	L 20.122	49
163273	L 13II.133	49
163318	L 7/9.209	48
177830	L 7/9.209	48
500351	L 13II.133	49

Electromagnetic Ballasts for Compact Fluorescent Lamps

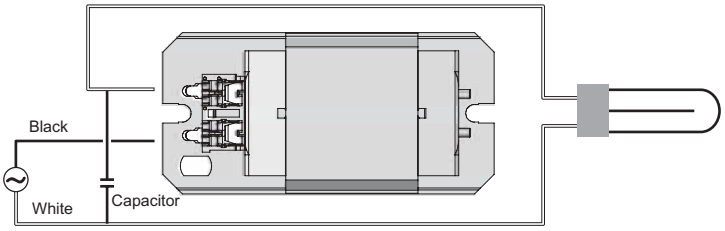
Wiring Diagrams

For illustration of wiring the Standard shape was used. The wiring is the same for all shapes.

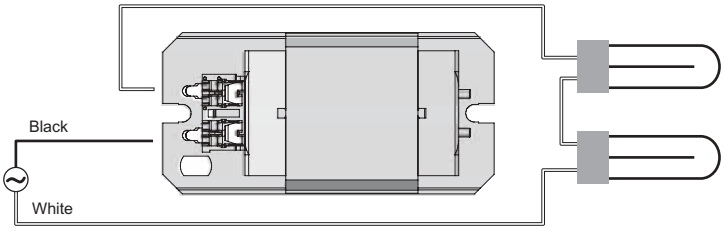
Inductive Single Circuit



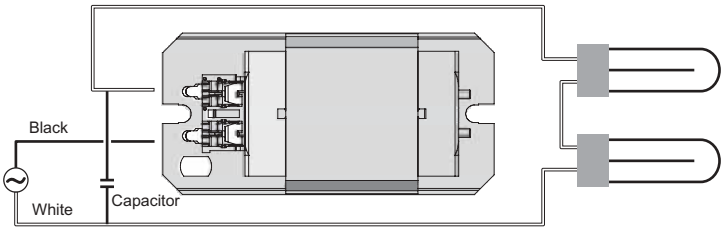
Single Circuit with Parallel Compensation

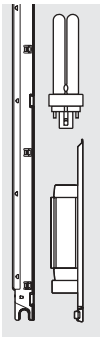


Inductive Tandem Circuit



Tandem Circuit with Parallel Compensation





Note: All electromagnetic ballasts for compact fluorescent lamps have quick-connect terminals. They will be supplied without leads.

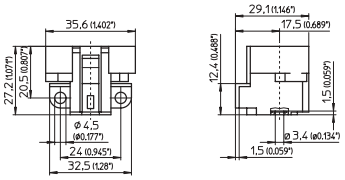
G23 Lampholders for Twin-tube Lamps, G23-2 Lampholders for Quad-tube Lamps

For Single-ended Compact Fluorescent Bi-pin Lamps 5, 7, 9 and 11W

Nominal rating: 75W/600V
Degree of protection: IP20
Fatigue-free stainless lamp carrier spring
Ensure rotation stop when using the central-mounting hole

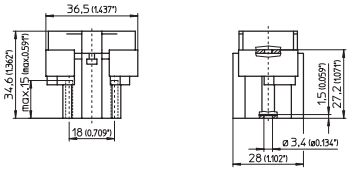
Quick-connect twin terminals: 18AWG solid or stranded solder-dipped
All products in this chapter carry a T rating of T140 acc. to IEC standards

G23 and G23-2 horizontal flush-mount lampholder
Casing: PBT GF, white
Base mounting holes for #8 screws (M4)
Central-mounting hole for #4 screw (M3)
Weight: 9g, packing qty.: 500 pcs.
Type: 35080
Ref. No.: 109022



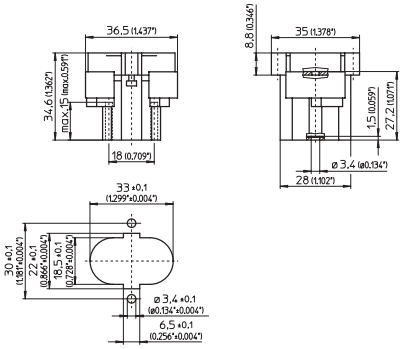


G23 rear mount lampholder
Casing: PBT GF, white
Rear mounting holes for self-tapping #4 screws
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35042
Ref. No.: 101336



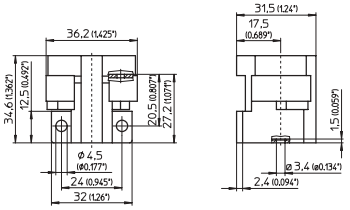


G23 rear or front mount lampholder
Casing: PBT GF, white
Front and rear mounting holes for self-tapping #4 screws
Central-mounting hole for #4 screw (M3)
Weight: 12.5g, packing qty.: 500 pcs.
Type: 35043
Ref. No.: 101337



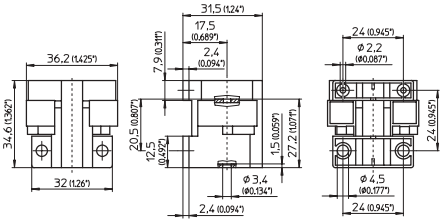


G23 horizontal flush-mount lampholder
Casing: PBT GF, white
Base mounting holes for #8 screws (M4)
Central-mounting hole for #4 screw (M3)
Weight: 13g, packing qty.: 500 pcs.
Type: 35046
Ref. No.: 101338



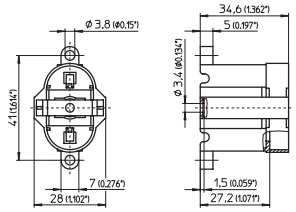


G23 lampholder for push-fit on tracks
Casing: PBT GF, white
Lateral mounting holes for self-tapping #4 screws
Lateral mounting holes for #8 screws (M4)
Central-mounting hole for #4 screw (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 35047
Ref. No.: 101340



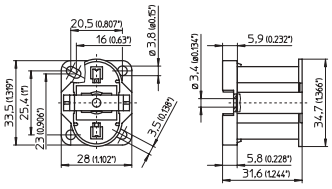


G23 2-hole vertical base mount lampholder
Casing: PBT GF, white
Rear mounting holes 3.8mm (0.150") dia.
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35048
Ref. No.: 101341



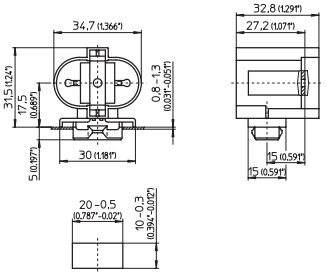


G23 and G23-2 4-hole vertical base mount lampholder
Casing: PBT GF, white
Rear mounting holes 3.8mm (0.150") dia.
Rear oblong holes for #4 screws (M3)
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35050
Ref. No.: 101342

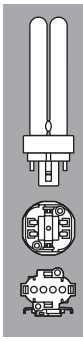




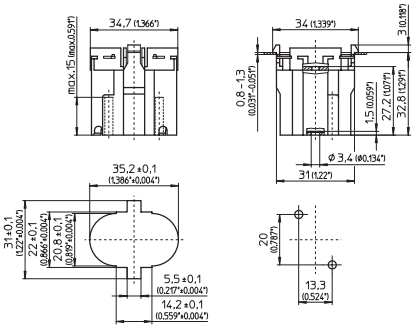
G23 horizontal snap-in mount lampholder
Casing: PBT GF, white
Snap-in foot for cut-out 10x20mm (0.394x0.787")
for wall thickness 0.8–1.3mm (0.031–0.051")
Weight: 13g, packing qty.: 500 pcs.
Type: 35051
Ref. No.: 101344







G23 front snap-in mount lampholder
Casing: PBT GF, white
Front fixing clips for
wall thickness 0.8–1.3mm (0.031–0.051")
Rear mounting holes for self-tapping #4 screws
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35052
Ref. No.: 101346





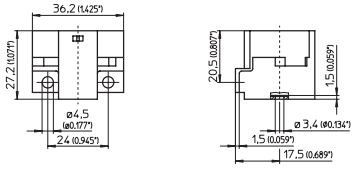
GX23 Lampholders for Twin-tube Lamps, GX23-2 Lampholders for Quad-tube Lamps

For Single-ended Compact Fluorescent Bi-pin Lamps 13W

Nominal rating: 75W/600V
Degree of protection: IP20
Fatigue-free stainless lamp carrier spring
Ensure rotation stop when using the central-mounting hole

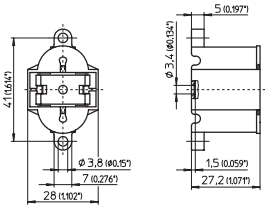
Quick-connect twin terminals: 18AWG solid or stranded solder-dipped
All products in this chapter carry a T rating of T140 acc. to IEC standards

GX23 and GX23-2 horizontal flush-mount lampholder
Casing: PBT GF, white
Lateral mounting holes for #8 screws (M4)
Central-mounting hole for #4 screw (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 35340
Ref. No.: 101375



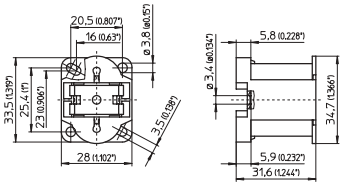


GX23 and GX23-2 2-hole vertical base mount lampholder
Casing: PBT GF, white
Rear mounting holes 3.8mm (0.150") dia.
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35348
Ref. No.: 101377



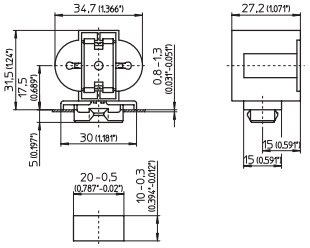


GX23 and GX23-2 4-hole vertical base mount lampholder
Casing: PBT GF, white
Rear mounting holes 3.8mm (0.150") dia.
Rear oblong holes for #4 screws (M3)
Central-mounting hole for #4 screw (M3)
Weight: 12g, packing qty.: 500 pcs.
Type: 35350
Ref. No.: 101379



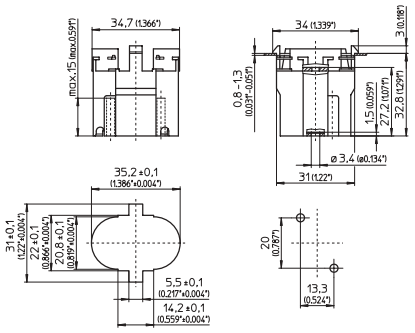


GX23 and GX23-2 horizontal snap-in mount lampholder
Casing: PBT GF, white
Snap-in foot for cut-out 10x20mm (0.394x0.787") for wall thickness 0.8–1.3mm (0.031–0.051")
Weight: 12g, packing qty.: 500 pcs.
Type: 35351
Ref. No.: 101381





GX23 front snap-in mount lampholder
Casing: PBT GF, white
Front fixing clips for
wall thickness 0.8–1.3mm (0.031–0.051")
Rear mounting holes for self-tapping #4 screws
Central-mounting hole for #4 screw (M3)
Weight: 13.5g, packing qty.: 500 pcs.
Type: 35352
Ref. No.: 101382





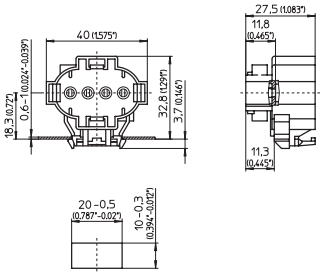
2G7 Lampholders for Twin-tube 4-pin Lamps

For Single-ended Compact Fluorescent 4-pin Lamps 5, 7, 9 and 11W

Nominal rating: 75W/600V
Degree of protection: IP20
Fatigue-free stainless lamp carrier spring
All products in this chapter carry a T rating
of T140 acc. to IEC standards

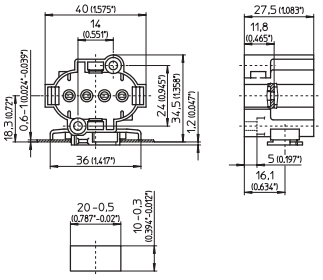
Quick-connect twin terminals: 18AWG solid
or stranded solder-dipped (lamp circuit)
Quick-connect terminals: 18AWG solid
or stranded solder-dipped (starter circuit)

2G7 snap-in lampholder
Casing: PBT GF, white
Push-fit foot for cut-out 10x20mm (0.394x0.787")
Weight: 18g, packing qty.: 500 pcs.
Type: 35613
Ref. No.: 500574

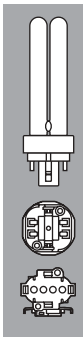




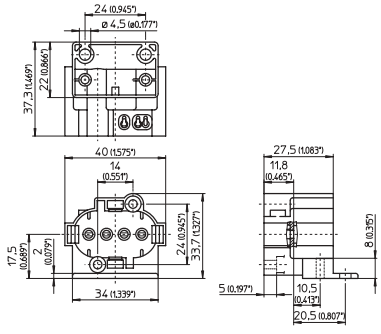
2G7 snap-in lampholder
Casing: PBT GF, white
Rear fixing hole for self-tapping #8 screw
Front mounting holes for #4 screws (M3)
Locking of the lampholder by a 15° turn
Weight: 15g, packing qty.: 500 pcs.
Type: 35610
Ref. No.: 109235





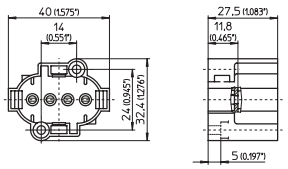


2G7 horizontal flush-mount lampholder
Casing: PBT GF, white
Lateral and rear mounting holes
for self-tapping #8 screws
Base oblong mounting holes for #8 screws (M4)
Front mounting holes for #4 screws (M3)
Weight: 17g, packing qty.: 500 pcs.
Type: 35611
Ref. No.: 109238





2G7 back panel mount lampholder
Casing: PBT GF, white
Rear mounting hole for self-tapping #8 screw
Front mounting holes for #4 screws (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 35612
Ref. No.: 109240





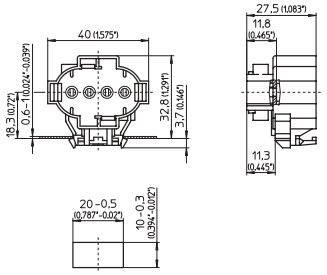
2GX7 Lampholders for Twin-tube 4-pin Lamps

For Single-ended Compact Fluorescent 4-pin Lamps 13W

Nominal rating: 75W/600V
Degree of protection: IP20
Front mounting holes for #4 screws (M3)
Fatigue-free stainless lamp carrier springs
All products in this chapter carry a T rating of T140 acc. to IEC standards

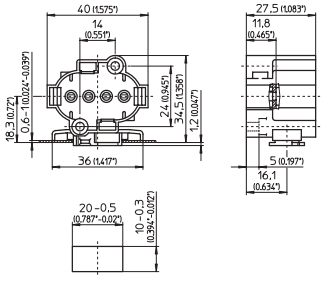
Quick-connect twin terminals: 18AWG solid or stranded solder-dipped (lamp circuit)
Quick-connect terminals: 18AWG solid or stranded solder-dipped (starter circuit)

2GX7 snap-in lampholder
Casing: PBT GF, white
Snap-in foot for cut-out 10x20mm (0.394x0.787")
Weight: 17g, packing qty.: 500 pcs.
Type: 35613
Ref. No.: 500575



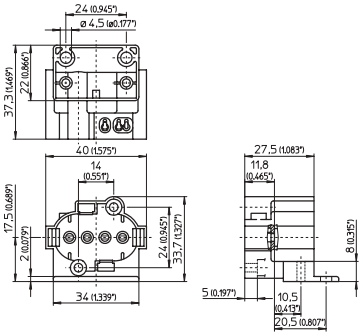


2GX7 snap-in lampholder
Casing: PBT GF, white
Rear mounting hole for self-tapping #8 screw
Front mounting holes for #4 screws (M3)
Locking of the lampholder by a 15° turn
Weight: 15g, packing qty.: 500 pcs.
Type: 35620
Ref. No.: 109237



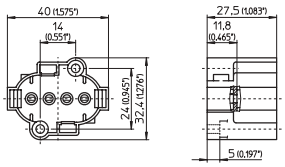


2GX7 horizontal flush-mount lampholder
Casing: PBT GF, white
Base mounting holes for self-tapping #4 screws
Rear mounting holes for self-tapping #8 screws
Base oblong mounting holes for #8 screws (M4)
Weight: 17g, packing qty.: 500 pcs.
Type: 35621
Ref. No.: 109239





2GX7 back panel mount lampholder
Casing: PBT GF, white
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 35622
Ref. No.: 109241





new>>

G24 Lampholders for Quad-tube Lamps, GX24 Lampholders for Triple-tube Lamps

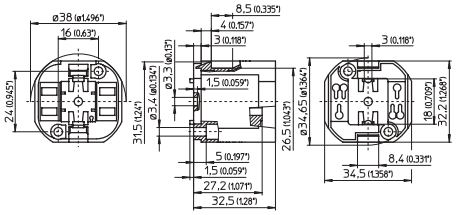
For Single-ended Compact Fluorescent Bi-pin and 4-pin Lamps

The drawings and photos contained in this chapter only show lampholders for lamps with base G24d-1. Additional drawings of lamp bases can be found on page 127.
All T ratings in this chapter refer to IEC standards

When mounting lampholder remember triple-tube GX24d/GX24q lamps are wider than lampholder. When using central-mounting hole provisions must be made to prevent lampholder rotation.

All lampholders with quick-connect terminals (UL File No. E110363): 18AWG solid or stranded solder-dipped

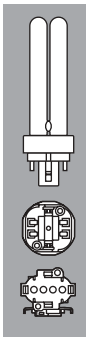
G24, GX24 lampholders
Plain casing
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Central-mounting hole for #4 screw (M3)
With tabs for rotation stop
For cover caps (see p. 167)



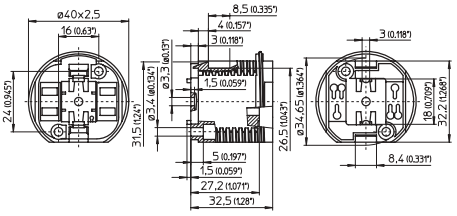


	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71501	**527735**	G24d-1/GX24d-1	8, 10, 13 / 13	11.8	500
new>>	71502	**527736**	G24d-2/GX24d-2	18 / 18	11.8	500
new>>	71503	**527737**	G24d-3/GX24d-3	26 / 26	11.8	500
new>>	71511	**527739**	G24q-1/GX24q-1	10, 13 / 13	14.3	500
new>>	71512	**527740**	G24q-2/GX24q-2	18 / 18	14.3	500
new>>	71513	**527741**	G24q-3/GX24q-3	26 / 26, 32	14.3	500
new>>	71519	**527745**	GX24q-3/-4*	26, 32 / 42	14.3	500
new>>	71514	**527742**	GX24q-4	42	14.3	500
new>>	71515	**527743**	GX24q-5	57	15	500
new>>	71516	**527744**	GX24q-6	70	15	500
	Shunted Version					
new>>	71511	**527747**	G24q-1/GX24q-1	10, 13 / 13	14.3	500
new>>	71512	**527748**	G24q-2/GX24q-2	18 / 18	14.3	500
new>>	71513	**527749**	G24q-3/GX24q-3	26 / 26, 32	14.3	500
new>>	71519	**527753**	GX24q-3/-4*	26, 32 / 42	14.3	500
new>>	71514	**527750**	GX24q-4	42	14.3	500
new>>	71515	**527751**	GX24q-5	57	15	500
new>>	71516	**527752**	GX24q-6	70	15	500

* Lampholders 527745 and 527753 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.



G24, GX24 lampholders
new>> Externally threaded body 40x2.5 for screw rings (see p. 171)
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Central-mounting hole for #4 screw (M3)
With tabs for rotation stop
For cover caps (see page 167)

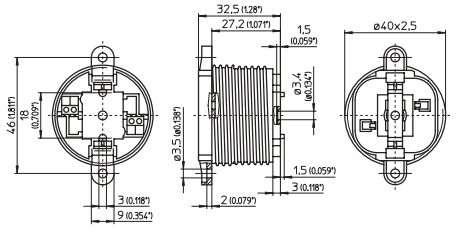




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71001	**527502**	G24d-1/GX24d-1	8, 10, 13 / 13	13	500
new>>	71002	**527503**	G24d-2/GX24d-2	18 / 18	13	500
new>>	71003	**527504**	G24d-3/GX24d-3	26 / 26	13	500
new>>	71011	**527506**	G24q-1/GX24q-1	10, 13 / 13	14.8	500
new>>	71012	**527507**	G24q-2/GX24q-2	18 / 18	14.8	500
new>>	71013	**527508**	G24q-3/GX24q-3	26 / 26, 32	14.8	500
new>>	71019	**527512**	GX24q-3/-4*	26, 32 / 42	14.8	500
new>>	71014	**527509**	GX24q-4	42	14.8	500
new>>	71015	**527510**	GX24q-5	57	15.4	500
new>>	71016	**527511**	GX24q-6	70	15.4	500
	Shunted Version					
new>>	71011	**527514**	G24q-1/GX24q-1	10, 13 / 13	14.8	500
new>>	71012	**527515**	G24q-2/GX24q-2	18 / 18	14.8	500
new>>	71013	**527516**	G24q-3/GX24q-3	26 / 26, 32	14.8	500
new>>	71019	**527520**	GX24q-3/-4*	26, 32 / 42	14.8	500
new>>	71014	**527517**	GX24q-4	42	14.8	500
new>>	71015	**527518**	GX24q-5	57	15.4	500
new>>	71016	**527519**	GX24q-6	70	15.4	500

* Lampholders 527512 and 527520 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

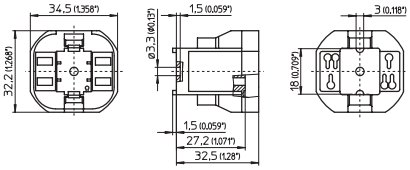
G24, GX24 lampholders
Externally threaded body 40x2.5
for screw rings (see p. 171)
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Front mounting holes for #4 screws (M3)
Central-mounting hole for #4 screw (M3)
With tabs for rotation stop
For cover caps (see page 167)





Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
35812	**101410**	G24d-1/GX24d-1	8, 10, 13 / 13	19.5	500
35842	**106262**	G24d-2/GX24d-2	18 / 18	19.5	500
35862	**101448**	G24d-3/GX24d-3	26 / 26	19.5	500
35912	**106912**	G24q-1/GX24q-1	10, 13 / 13	19.5	500
35942	**502555**	G24q-2/GX24q-2	18 / 18	19.5	500
35962	**502556**	G24q-3/GX24q-3	26 / 26, 32	19.5	500

G24, GX24 lampholders
Profiled shape
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Central-mounting hole for #4 screw (M3)
With tabs for rotation stop
For cover caps (see page 167)

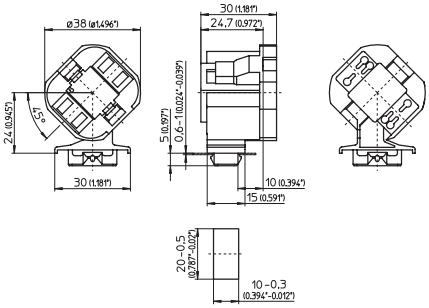




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71101	**527529**	G24d-1/GX24d-1	8, 10, 13 / 13	8.4	500
new>>	71102	**527530**	G24d-2/GX24d-2	18 / 18	8.4	500
new>>	71103	**527531**	G24d-3/GX24d-3	26 / 26	8.4	500
new>>	71111	**527533**	G24q-1/GX24q-1	10, 13 / 13	10.6	500
new>>	71112	**527534**	G24q-2/GX24q-2	18 / 18	10.6	500
new>>	71113	**527535**	G24q-3/GX24q-3	26 / 26, 32	10.6	500
new>>	71119	**527539**	GX24q-3/-4*	26, 32 / 42	10.6	500
new>>	71114	**527536**	GX24q-4	42	10.6	500
new>>	71115	**527537**	GX24q-5	57	11.2	500
new>>	71116	**527538**	GX24q-6	70	11.2	500
	Shunted Version					
new>>	71111	**527541**	G24q-1/GX24q-1	10, 13 / 13	10.6	500
new>>	71112	**527542**	G24q-2/GX24q-2	18 / 18	10.6	500
new>>	71113	**527543**	G24q-3/GX24q-3	26 / 26, 32	10.6	500
new>>	71119	**527547**	GX24q-3/-4*	26, 32 / 42	10.6	500
new>>	71114	**527544**	GX24q-4	42	10.6	500
new>>	71115	**527545**	GX24q-5	57	11.2	500
new>>	71116	**527546**	GX24q-6	70	11.2	500

* Lampholders 527539 and 527547 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 snap-in lampholders
Lamp position: 45°
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Snap-in foot for cut-out 10x20mm (0.394x0.787")
for wall thickness 0.6–1mm (0.024–0.039")

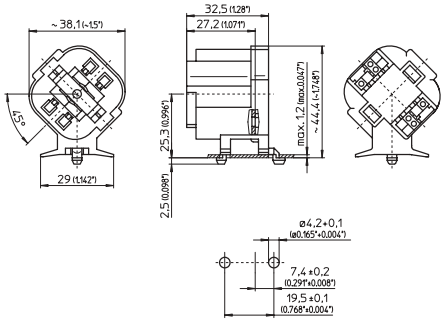




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71301	**527585**	G24d-1/GX24d-1	8, 10, 13 / 13	9.9	500
new>>	71302	**527586**	G24d-2/GX24d-2	18 / 18	9.9	500
new>>	71303	**527587**	G24d-3/GX24d-3	26 / 26	9.9	500
new>>	71311	**527589**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	71312	**527590**	G24q-2/GX24q-2	18 / 18	12	500
new>>	71313	**527591**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	71319	**527596**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	71314	**527592**	GX24q-4	42	12	500
new>>	71315	**527594**	GX24q-5	57	12.6	500
new>>	71316	**527595**	GX24q-6	70	12.6	500
	Shunted Version					
new>>	71311	**527598**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	71312	**527599**	G24q-2/GX24q-2	18 / 18	12	500
new>>	71313	**527600**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	71319	**527604**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	71314	**527601**	GX24q-4	42	12	500
new>>	71315	**527602**	GX24q-5	57	12.6	500
new>>	71316	**527603**	GX24q-6	70	12.6	500

* Lampholders 527596 and 527604 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

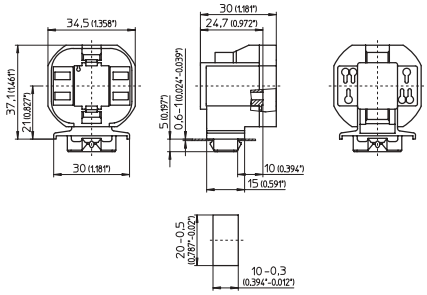
G24 snap-in lampholders
Lamp position: 45°
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Split pins for wall thickness up to 1.2mm (0.047")





Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
35814	**106893**	G24d-1	8, 10, 13	17	500
35844	**107617**	G24d-2	18	17	500
35864	**107618**	G24d-3	26	17	500
35914	**107861**	G24q-1	10, 13	17	500
35944	**108575**	G24q-2	18	17	500
35964	**108576**	G24q-3	26	17	500

G24, GX24 snap-in lampholders
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Snap-in foot for cut-out 10x20mm (0.394x0.787")
for wall thickness 0.6–1mm (0.024–0.039")

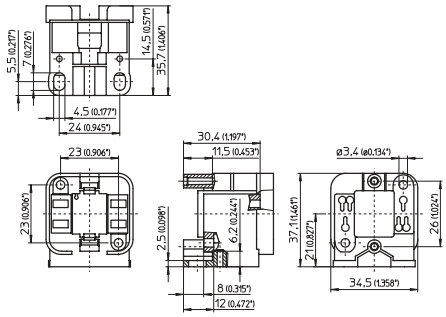




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71801	**528029**	G24d-1/GX24d-1	8, 10, 13 / 13	10.3	500
new>>	71802	**528030**	G24d-2/GX24d-2	18 / 18	10.3	500
new>>	71803	**528031**	G24d-3/GX24d-3	26 / 26	10.3	500
new>>	71811	**528033**	G24q-1/GX24q-1	10, 13 / 13	11.5	500
new>>	71812	**528034**	G24q-2/GX24q-2	18 / 18	11.5	500
new>>	71813	**528035**	G24q-3/GX24q-3	26 / 26, 32	11.5	500
new>>	71819	**528039**	GX24q-3/-4*	26, 32 / 42	11.5	500
new>>	71814	**528036**	GX24q-4	42	11.5	500
new>>	71815	**528037**	GX24q-5	57	12.1	500
new>>	71816	**528038**	GX24q-6	70	12.1	500
	Shunted Version					
new>>	71811	**528041**	G24q-1/GX24q-1	10, 13 / 13	11.5	500
new>>	71812	**528042**	G24q-2/GX24q-2	18 / 18	11.5	500
new>>	71813	**528043**	G24q-3/GX24q-3	26 / 26, 32	11.5	500
new>>	71819	**528047**	GX24q-3/-4*	26, 32 / 42	11.5	500
new>>	71814	**528044**	GX24q-4	42	11.5	500
new>>	71815	**528045**	GX24q-5	57	12.1	500
new>>	71816	**528046**	GX24q-6	70	12.1	500

* Lampholders 528039 and 528047 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 flush-mount lampholders
new>> Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Base mounting holes for self-tapping #8 screws
Base oblong holes for #8 screws (M4)
Rear mounting holes for self-tapping #4 screws
and for holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)

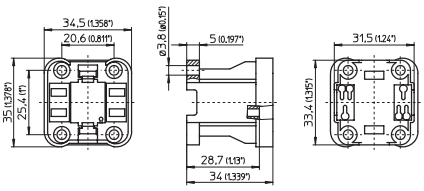




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71701	**527790**	G24d-1/GX24d-1	8, 10, 13 / 13	13.2	500
new>>	71702	**527791**	G24d-2/GX24d-2	18 / 18	13.2	500
new>>	71703	**527792**	G24d-3/GX24d-3	26 / 26	13.2	500
new>>	71711	**527794**	G24q-1/GX24q-1	10, 13 / 13	15.2	500
new>>	71712	**527795**	G24q-2/GX24q-2	18 / 18	15.2	500
new>>	71713	**527796**	G24q-3/GX24q-3	26 / 26, 32	15.2	500
new>>	71719	**527800**	GX24q-3/-4*	26, 32 / 42	15.2	500
new>>	71714	**527797**	GX24q-4	42	15.2	500
new>>	71715	**527798**	GX24q-5	57	15.8	500
new>>	71716	**527799**	GX24q-6	70	15.8	500
	Shunted Version					
new>>	71711	**527802**	G24q-1/GX24q-1	10, 13 / 13	15.2	500
new>>	71712	**527803**	G24q-2/GX24q-2	18 / 18	15.2	500
new>>	71713	**527804**	G24q-3/GX24q-3	26 / 26, 32	15.2	500
new>>	71719	**527020**	GX24q-3/-4*	26, 32 / 42	15.2	500
new>>	71714	**527017**	GX24q-4	42	15.2	500
new>>	71715	**527018**	GX24q-5	57	15.8	500
new>>	71716	**527019**	GX24q-6	70	15.8	500

* Lampholders 527800 and 527020 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 flush-mount lampholders
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Front mounting holes for #4 screws (M3)

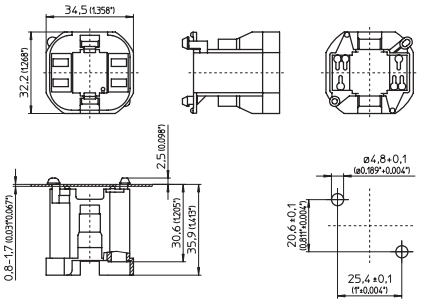




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71201	**527556**	G24d-1/GX24d-1	8, 10, 13 / 13	11.5	500
new>>	71202	**527557**	G24d-2/GX24d-2	18 / 18	11.5	500
new>>	71203	**527558**	G24d-3/GX24d-3	26 / 26	11.5	500
new>>	71211	**527560**	G24q-1/GX24q-1	10, 13 / 13	12.9	500
new>>	71212	**527561**	G24q-2/GX24q-2	18 / 18	12.9	500
new>>	71213	**527562**	G24q-3/GX24q-3	26 / 26, 32	12.9	500
new>>	71219	**527566**	GX24q-3/-4*	26, 32 / 42	12.9	500
new>>	71214	**527563**	GX24q-4	42	12.9	500
new>>	71215	**527564**	GX24q-5	57	13.5	500
new>>	71216	**527565**	GX24q-6	70	13.5	500
	Shunted Version					
new>>	71211	**527568**	G24q-1/GX24q-1	10, 13 / 13	12.9	500
new>>	71212	**527569**	G24q-2/GX24q-2	18 / 18	12.9	500
new>>	71213	**527570**	G24q-3/GX24q-3	26 / 26, 32	12.9	500
new>>	71219	**527574**	GX24q-3/-4*	26, 32 / 42	12.9	500
new>>	71214	**527571**	GX24q-4	42	12.9	500
new>>	71215	**527572**	GX24q-5	57	13.5	500
new>>	71216	**527573**	GX24q-6	70	13.5	500

* Lampholders 527566 and 527574 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 snap-in lampholders
new>> Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Base split pins for wall thickness
0.8–1.7mm (0.031–0.067")

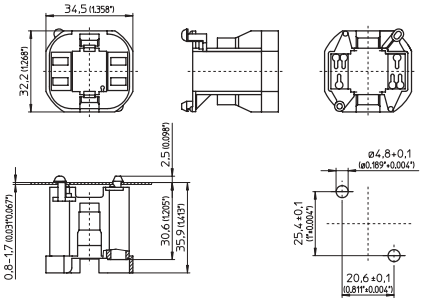




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	71601	**527762**	G24d-1/GX24d-1	8, 10, 13 / 13	10.5	500
new>>	71602	**527763**	G24d-2/GX24d-2	18 / 18	10.5	500
new>>	71603	**527765**	G24d-3/GX24d-3	26 / 26	10.5	500
new>>	71611	**527766**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	71612	**527768**	G24q-2/GX24q-2	18 / 18	12	500
new>>	71613	**527769**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	71619	**527773**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	71614	**527770**	GX24q-4	42	12	500
new>>	71615	**527771**	GX24q-5	57	12	500
new>>	71616	**527772**	GX24q-6	70	12	500
	Shunted Version					
new>>	71631	**527775**	G24q-1/GX24q-1	10, 13 / 13	11.9	500
new>>	71632	**527776**	G24q-2/GX24q-2	18 / 18	11.9	500
new>>	71633	**527777**	G24q-3/GX24q-3	26 / 26, 32	11.9	500
new>>	71639	**527781**	GX24q-3/-4*	26, 32 / 42	11.9	500
new>>	71634	**527778**	GX24q-4	42	11.9	500
new>>	71635	**527779**	GX24q-5	57	11.9	500
new>>	71636	**527780**	GX24q-6	70	11.9	500

* Lampholders 527773 and 527781 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 snap-in lampholders
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Base split pins for wall thickness
0.8–1.7mm (0.031–0.067")



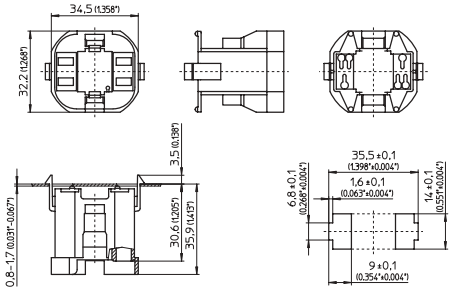


	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	72201	**530458**	G24d-1/GX24d-1	8, 10, 13 / 13	10.5	500
new>>	72202	**530459**	G24d-2/GX24d-2	18 / 18	10.5	500
new>>	72203	**530460**	G24d-3/GX24d-3	26 / 26	10.5	500
new>>	72211	**530462**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	72212	**530463**	G24q-2/GX24q-2	18 / 18	12	500
new>>	72213	**530464**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	72219	**530468**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	72214	**530465**	GX24q-4	42	12	500
new>>	72215	**530466**	GX24q-5	57	12	500
new>>	72216	**530467**	GX24q-6	70	12	500
	Shunted Version					
new>>	72231	**530470**	G24q-1/GX24q-1	10, 13 / 13	11.9	500
new>>	72232	**530471**	G24q-2/GX24q-2	18 / 18	11.9	500
new>>	72233	**530472**	G24q-3/GX24q-3	26 / 26, 32	11.9	500
new>>	72239	**530476**	GX24q-3/-4*	26, 32 / 42	11.9	500
new>>	72234	**530473**	GX24q-4	42	11.9	500
new>>	72235	**530474**	GX24q-5	57	11.9	500
new>>	72236	**530475**	GX24q-6	70	11.9	500

* Lampholders 530468 and 530476 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

new>>

G24, GX24 snap-in lampholders
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Rear split pins for wall thickness
0.8–1.7mm (0.031–0.067")
Width of split pin: 6.5mm (0.256")

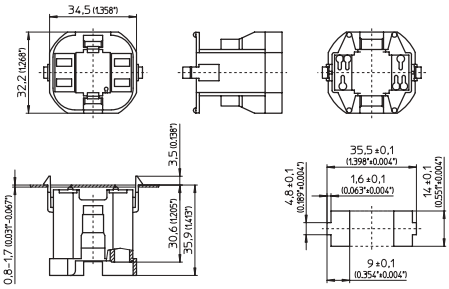




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	72001	**528089**	G24d-1/GX24d-1	8, 10, 13 / 13	10.4	500
new>>	72002	**528090**	G24d-2/GX24d-2	18 / 18	10.4	500
new>>	72003	**528091**	G24d-3/GX24d-3	26 / 26	10.4	500
new>>	72011	**528093**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	72012	**528094**	G24q-2/GX24q-2	18 / 18	12	500
new>>	72013	**528095**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	72019	**528099**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	72014	**528096**	GX24q-4	42	12	500
new>>	72015	**528097**	GX24q-5	57	12.7	500
new>>	72016	**528098**	GX24q-6	70	12.7	500
	Shunted Version					
new>>	72011	**528101**	G24q-1/GX24q-1	10, 13 / 13	12	500
new>>	72012	**528102**	G24q-2/GX24q-2	18 / 18	12	500
new>>	72013	**528103**	G24q-3/GX24q-3	26 / 26, 32	12	500
new>>	72019	**528107**	GX24q-3/-4*	26, 32 / 42	12	500
new>>	72014	**528104**	GX24q-4	42	12	500
new>>	72015	**528105**	GX24q-5	57	12.7	500
new>>	72016	**528106**	GX24q-6	70	12.7	500

* Lampholders 528099 and 528107 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 snap-in lampholders
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 660W/600V
Quick-connect twin terminals: 18AWG (lamp circuit)
For G24q, GX24q lampholders:
quick-connect terminals: 18AWG (starter circuit)
Rear split pins for wall thickness
0.8–1.7mm (0.031–0.067")
Width of split pin: 4.5mm (0.177")

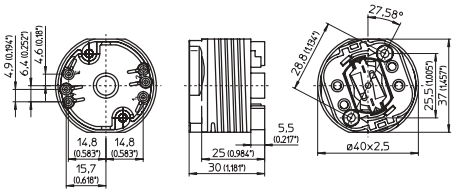




	Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
new>>	72101	**528116**	G24d-1/GX24d-1	8, 10, 13 / 13	10.3	500
new>>	72102	**528117**	G24d-2/GX24d-2	18 / 18	10.3	500
new>>	72103	**528118**	G24d-3/GX24d-3	26 / 26	10.3	500
new>>	72111	**528120**	G24q-1/GX24q-1	10, 13 / 13	11.9	500
new>>	72112	**528121**	G24q-2/GX24q-2	18 / 18	11.9	500
new>>	72113	**528122**	G24q-3/GX24q-3	26 / 26, 32	11.9	500
new>>	72119	**528126**	GX24q-3/-4*	26, 32 / 42	11.9	500
new>>	72114	**528123**	GX24q-4	42	11.9	500
new>>	72115	**528124**	GX24q-5	57	12.5	500
new>>	72116	**528125**	GX24q-6	70	12.5	500
	Shunted Version					
new>>	72111	**528128**	G24q-1/GX24q-1	10, 13 / 13	11.9	500
new>>	72112	**528129**	G24q-2/GX24q-2	18 / 18	11.9	500
new>>	72113	**528130**	G24q-3/GX24q-3	26 / 26, 32	11.9	500
new>>	72119	**528134**	GX24q-3/-4*	26, 32 / 42	11.9	500
new>>	72114	**528131**	GX24q-4	42	11.9	500
new>>	72115	**528132**	GX24q-5	57	12.5	500
new>>	72116	**528133**	GX24q-6	70	12.5	500

* Lampholders 528126 and 528134 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

G24, GX24 rotary lock lampholders
Externally threaded body 40x2.5
for screw rings (see p. 171)
Casing: PBT GF, white, T120 (acc. to IEC)
Nominal rating: 75W/600V
Quick-connect twin terminals: 18AWG
(lamp circuit)
Quick-connect terminals: 18AWG
(starter circuit)
Front mounting holes for #4 screws (M3)



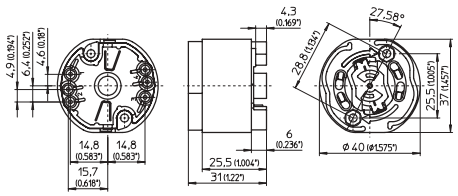


Type	Ref. No.	Base	Output (W)	Weight (g)	Packing qty. (pcs.)
45940	**507993**	G24q-2/GX24q-2	18 / 18	20.2	500
45960	**507994**	G24q-3/GX24q-3	26 / 26, 32	20.2	500
45930	**507992**	G24q-3/GX24q-3/-4*	26 / 26, 32 / 42	20.2	500
45980	**507995**	GX24q-4	42	20.2	500

* Lampholder 507992 may only be used in luminaires that are operated with electronic ballasts that have been certified according to the applicable standards and that cover the luminaire performance range of 26, 32 and 42W.

new>>

GX24q-5 rotary lock lampholder
for CFTR lamps 57 W
Plain casing
Casing: PPS, black, T150 (acc. to IEC)
Nominal rating: 75W/600V
Quick-connect twin terminals: 18AWG
(lamp circuit)
Quick-connect terminals: 18AWG (starter circuit)
Front mounting holes for #4 screws (M3)
Weight: 28g, packing qty.: 500 pcs.
Type: 45990
Ref. No.: 508159



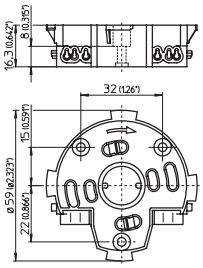


2G8 Lampholder

For Single-ended Compact Fluorescent Lamps

T rating in this chapter refers to IEC standards

2G8 flush-mount lampholder
Casing: PBT GF, white, T140 (acc. to IEC)
Nominal rating: 120W/600V
Quick-connect twin terminals: 18AWG solid
or stranded solder-dipped
Quick-connect terminals: 18AWG solid
or stranded solder-dipped
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Weight: 19.6g, packing qty.: 250 pcs.
Type: 59000
new>> **Ref. No.: 526755**





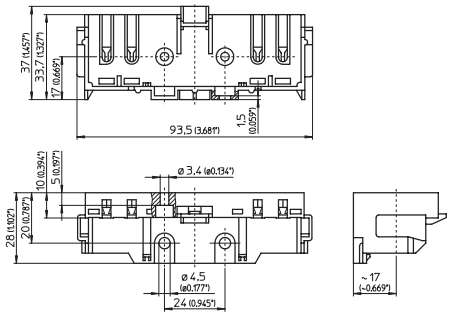
2G10 Lampholder for Quad-tube 4-pin Lamps

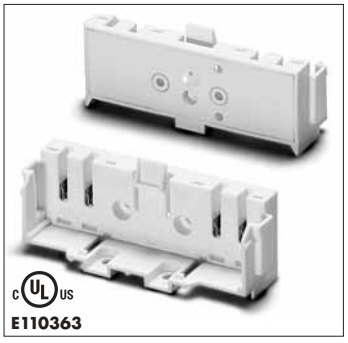
For Single-ended Compact Fluorescent Quad-tube 4-pin Lamps

Nominal rating: 75W/600V
Degree of protection: IP20
Quick-connect twin terminals: 18AWG solid
or stranded solder-dipped
Thickness of lampholder: 10mm (0.394")

Clip for lamp fixing (push back for release)
T rating in this chapter refers to IEC standards

2G10 flush-mount lampholder
Casing: PBT GF, white, T140 (acc. to IEC)
Lateral insertion of the lamp
Front mounting holes
for cheese-head #4 screws (M3)
Rear mounting holes for self-tapping #8 screws
Base mounting holes for #8 screws (M4)
Weight: 25.5g, packing qty.: 250 pcs.
Type: 36300
Ref. No.: 101521





2G11 Lampholders for Twin-tube 4-pin Lamps

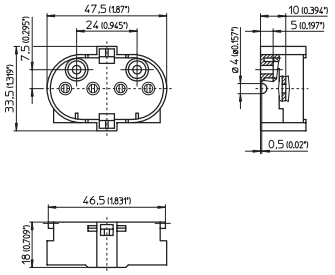
new>>

For Single-ended Compact Fluorescent Twin-tube 4-pin Lamps

Nominal rating: 660W/600V
Degree of protection: IP20
All products in this chapter carry a T rating of T140 acc. to IEC standards

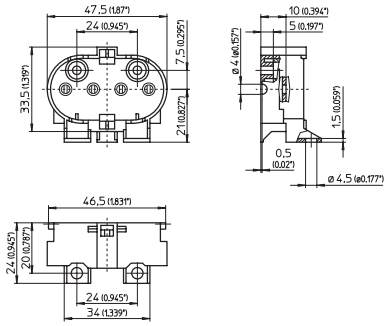
Quick-connect twin terminals: 18AWG solid or stranded solder-dipped (lamp circuit)
Quick-connect terminals: 18AWG solid or stranded solder-dipped (starter circuit)

2G11 back panel or bracket mount lampholders
Casing: PBT GF, white
Lateral pivots for bracket 105824 (see page 72)
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 36051
Ref. No.: 101489
new>> **Ref. No.: 532687** with internal shunt



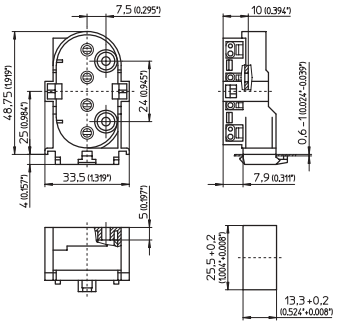


2G11 flush-mount lampholders
Casing: PBT GF, white
Lateral mounting holes for #8 screws (M4)
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Weight: 14g, packing qty.: 500 pcs.
Type 36050
Ref. No.: 101485
new>> **Ref. No.: 532685** with internal shunt

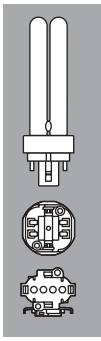




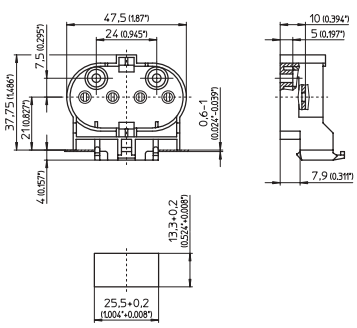
2G11 snap-in lampholders
Casing: PBT GF, white
Lamp position: vertical
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Weight: 14g, packing qty.: 500 pcs.
Type: 36052
Ref. No.: 101491
new>> **Ref. No.: 532689** with internal shunt







2G11 snap-in lampholders
Casing: PBT GF, white
Rear mounting holes for self-tapping #8 screws
Front mounting holes for #4 screws (M3)
Option for bottom wiring
Weight: 14g, packing qty.: 500 pcs.
Type: 36053
Ref. No.: 101493
new>> **Ref. No.: 532691** with internal shunt



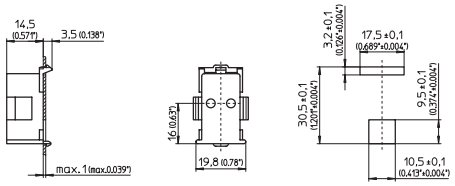


GR8, GR10q, GRY10q-3, GRZ10d, GRZ10t Lampholders for 2D Lamps

For Single-ended Compact Fluorescent 2D Lamps 10, 16, 21, 28, 38 and 55W

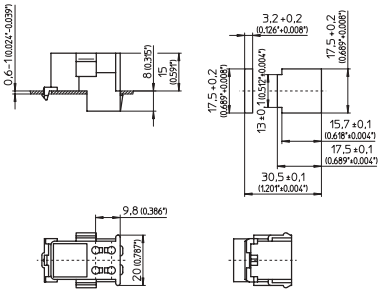
Nominal rating: 75W/600V
Degree of protection: IP20
Quick-connect terminals: 18AWG solid or stranded solder-dipped
All T ratings in this chapter refer to IEC standards

GR8 snap-in lampholder
Casing: PC, white
Base clips for wall thickness
up to 1mm (0.039")
Weight: 5g, packing qty.: 500 pcs.
Type: 35100
Ref. No.: 101358



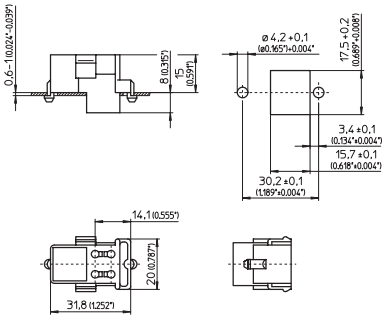


GR10q snap-in lampholder
Casing: PC, white, T110 (acc. to IEC)
Base clips for wall thickness
0.6–1mm (0.024–0.039")
Weight: 6.1g, packing qty.: 1000 pcs.
Type: 35500
Ref. No.: 108927



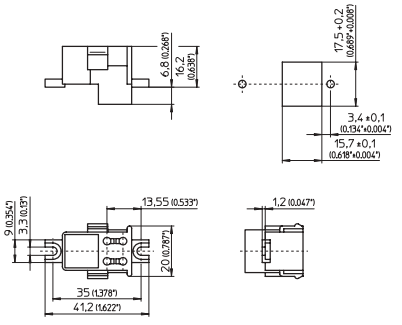


GR10q snap-in lampholder
Casing: PC, white, T110 (acc. to IEC)
Base split pins for wall thickness
0.6–1mm (0.024–0.039")
Weight: 6.3g, packing qty.: 1000 pcs.
Type: 35510
Ref. No.: 108928



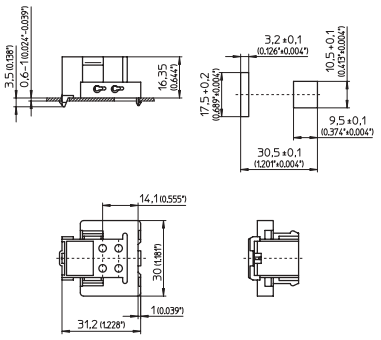


GR10q flush-mount lampholder
Casing: PC, white, T110 (acc. to IEC)
Slots for #4 screws (M3)
Weight: 7.5g, packing qty.: 1000 pcs.
Type: 35520
Ref. No.: 108929



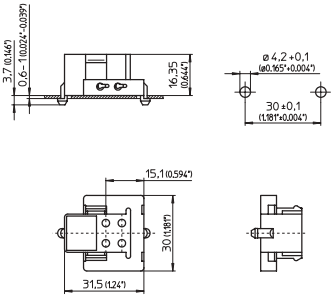


GR10q snap-in lampholder
Material: PC, white, T110 (acc. to IEC)
Base clips for wall thickness
0.6–1mm (0.024–0.039")
Weight: 6.1g, packing qty.: 1000 pcs.
Type: 35530
Ref. No.: 108932



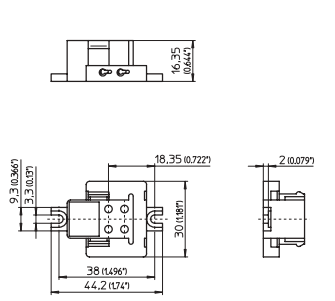


GR10q snap-in lampholder
Material: PC, white, T110 (acc. to IEC)
Base split pins for wall thickness
0.6–1mm (0.024–0.039")
Weight: 6.3g, packing qty.: 1000 pcs.
Type: 35540
Ref. No.: 108933



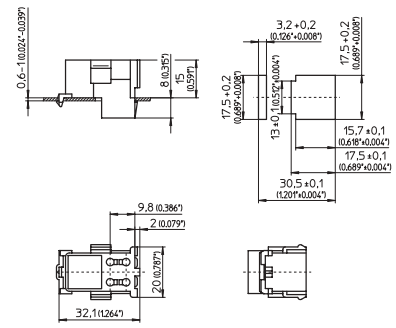


GR10q flush-mount lampholder
Material: PC, white, T110 (acc. to IEC)
Slots for #4 screws (M3)
Weight: 6.3g, packing qty.: 1000 pcs.
Type: 35550
Ref. No.: 108934

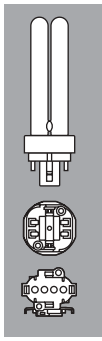




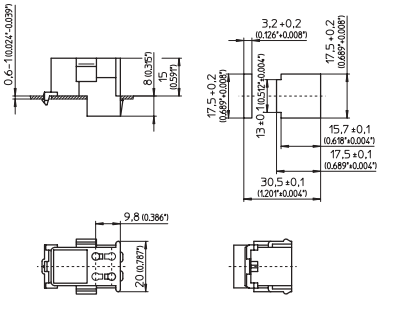
GRY10q-3 snap-in lampholder
Material: PBT, white, T140 (acc. to IEC)
Base clips for wall thickness
0.6–1mm (0.024–0.039")
Weight: 7.6g, packing qty.: 1000 pcs.
Type: 35570
Ref. No.: 109344





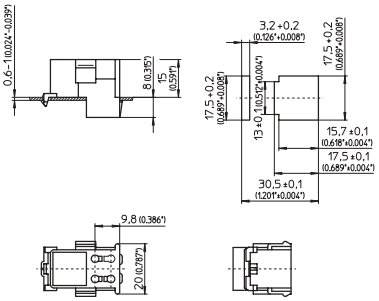


GRZ10d snap-in lampholder
Material: PC, white, T110 (acc. to IEC)
Base clips for wall thickness
0.6–1mm (0.024–0.039")
Weight: 5.1g, packing qty.: 1000 pcs.
Type: 35502
Ref. No.: 504213





GRZ10t snap-in lampholder
Material: PC, white, T110 (acc. to IEC)
Base clips for wall thickness
0.6–1mm (0.024–0.039")
Weight: 5.6g, packing qty.: 1000 pcs.
Type: 35501
Ref. No.: 504212



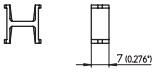


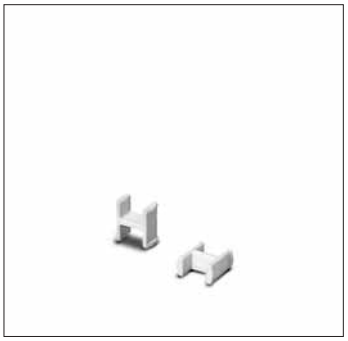
Accessories

For Single-ended Compact Fluorescent Lamps

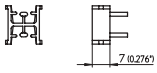
VS recommends exchanging plastic lamp supports when re-lamping

Insert
For insertion into G24q/GX24q lampholders
of serie 359 (see page 58)
To prevent insertion of bi-pin lamps
Material: PBT GF, white
Weight: 0.54g, packing qty.: 500 pcs.
Type: 97099
Ref. No.: 107499



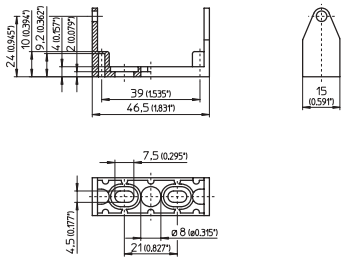


Insert
For insertion into G24q-1 lampholder type 35912
for triple-tube lamps with base GX24q-5
For insertion into G24q-2 lampholder type 35942
for triple-tube lamps with base GX24q-6
Material: PBT GF, black
Weight: 0.56g, packing qty.: 500 pcs.
Type: 97249
Ref. No.: 504906



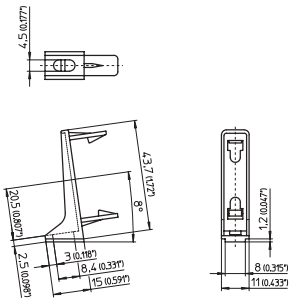


Bracket
For 2G11 lampholder 101485 and 101489
(see page 69)
To swivel the lampholder when changing the lamp
Material: PC, white
Oblong holes for #8 screws (M4)
Mounting holes for self-tapping #4 screws
Weight: 4g, packing qty.: 500 pcs.
Type: 97516
Ref. No.: 105824



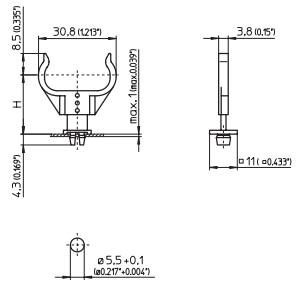


Fixing bracket: 8°
For snapping-on onto lampholders suitable for cover caps
Material: PA, white
Oblong hole for #8 screw (M4)
Weight: 2g, packing qty.: 500 pcs.
Type: 97194
Ref. No.: 108956



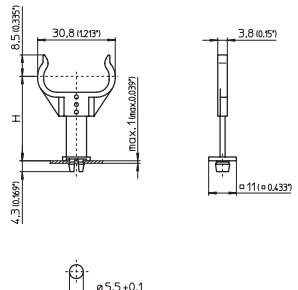


Lamp supports for twin-tube lamps
with base G23, GX23 and 2G7, 2GX7
Height adjustable: 17.5/20.5/23.5mm (0.689/0.807/0.925"), snap-in foot for cut-out 5.5mm (0.217") dia., weight: 0.4/0.7/0.7g
Packing qty.: 500 pcs., type: 35060
Ref. No.: 105775 foot, PC, white
Ref. No.: 105776 bracket, PC, crystal-clear, UV-stabilized
Ref. No.: 106416 bracket, PC, white, UV-stabilized



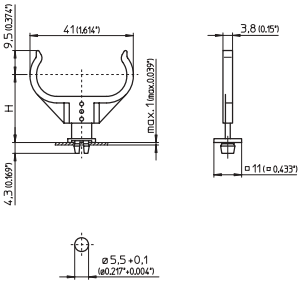


Lamp supports for twin-tube lamps
with base G23, GX23 and 2G7, 2GX7
Height adjustable: 27.5/30.5/33.5mm (1.083/1.201/1.319"), snap-in foot for cut-out 5.5mm (0.217") dia., weight: 0.7g
Packing qty.: 500 pcs., type: 35061
Ref. No.: 105931 foot, PC, white
Ref. No.: 105776 bracket, PC, crystal-clear, UV-stabilized
Ref. No.: 106416 bracket, PC, white, UV-stabilized

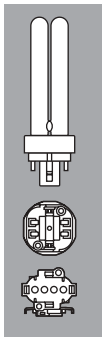




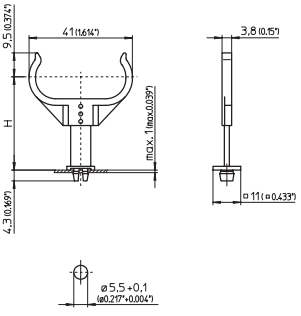
Lamp supports for twin-tube lamps
with base 2G11 (high lumen)
Height adjustable: 21/24/27mm (0.827/0.945/1.063"), snap-in foot for cut-out 5.5mm (0.217") dia., weight: 0.4/0.7/0.7g
Packing qty.: 500 pcs., type: 35760
Ref. No.: 105775 foot, PC, white
Ref. No.: 105777 bracket, PC, crystal-clear, UV-stabilized
Ref. No.: 106417 bracket, PC, white, UV-stabilized





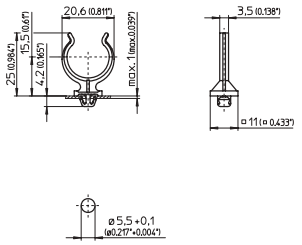


Lamp supports for twin-tube lamps
with base 2G11 (high lumen)
Height adjustable: 31/34/37mm (1.220/1.339/1.457")
Snap-in foot for cut-out 5.5mm (0.217") dia.
Weight: 0.7g, packing qty.: 500 pcs.
Type: 35761
Ref. No.: 105931 foot, PC, white
Ref. No.: 105777 bracket, PC, crystal-clear, UV-stabilized
Ref. No.: 106417 bracket, PC, white, UV-stabilized



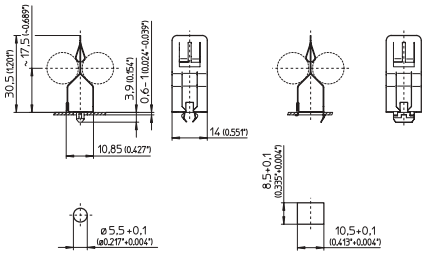


Lamp support for twin-tube lamps
with base 2G11 (high lumen)
Material: PC, white, UV-stabilized
Snap-in foot for cut-out 5.5mm (0.217") dia.
Weight: 1g, packing qty.: 500 pcs.
Type: 36060
Ref. No.: 108878



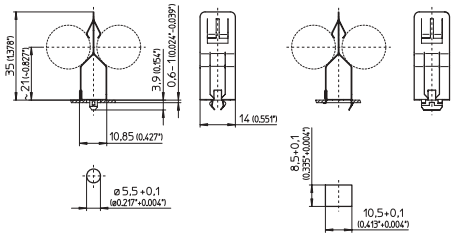


Lamp supports for twin-tube lamps
with base G23, GX23 and 2G7, 2GX7
Material: stainless steel
US patent pending
Weight: 1.3g, packing qty.: 500 pcs.
Type: 93056
Snap-in foot for cut-out 5.5mm (0.217") dia.
Ref. No.: 509522
Type: 93057
Snap-in foot for cut-out 8.5x10.5mm (0.335x0.413")
Ref. No.: 509521



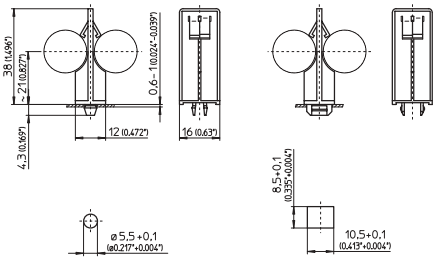


Lamp supports for quad-tube lamps with base 2G10
and twin-tube lamps with base 2G11
Material: stainless steel
US patent pending
Weight: 1.5g, packing qty.: 500 pcs.
Type: 93058
Snap-in foot for cut-out 5.5mm (0.217") dia.
Ref. No.: 509520
Type: 93059
Snap-in foot for cut-out 8.5x10.5mm (0.335x0.413")
Ref. No.: 509519



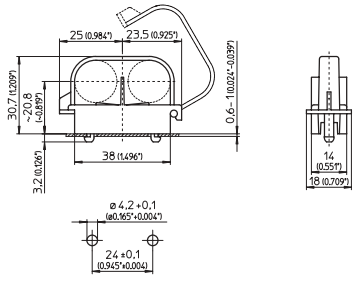


Lamp supports for quad-tube lamps with base 2G10
and twin-tube lamps with base 2G11
Material: PC, white
Weight: 1.4g, packing qty.: 500 pcs.
Type: 97638
Snap-in foot for cut-out 5.5mm (0.217") dia.
Ref. No.: 105981
Type: 97639
Snap-in foot for cut-out 8.5x10.5mm (0.335x0.413")
Ref. No.: 105983



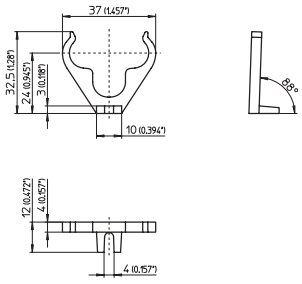


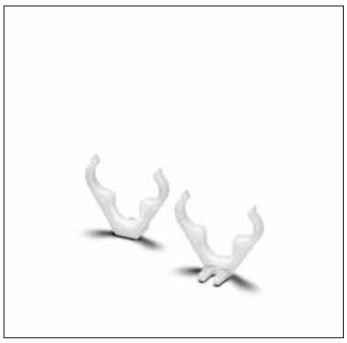
Lamp lock for twin-tube lamps
with base 2G11
Material: PC, crystal-clear, UV-stabilized
Lamp locking mechanism
Base split pins for
wall thickness 0.6–1mm (0.024–0.039")
Weight: 4g, packing qty.: 500 pcs.
Type: 36061
Ref. No.: 101497





Lamp support for quad-tube and triple-tube lamps
with base G24q, GX24q
Material: PC, white, UV-stabilized
Lamp position: 45°
Slotted fixing foot for #7 screw (M3.5)
Weight: 1.7g, packing qty.: 500 pcs.
Type: 97031
Ref. No.: 105448



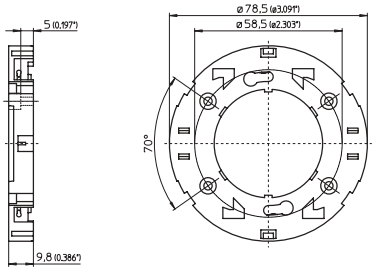


new>> GX53-1 Lampholders, Accessories

For Single-ended Compact Fluorescent Lamps with Integrated Electronic Ballast

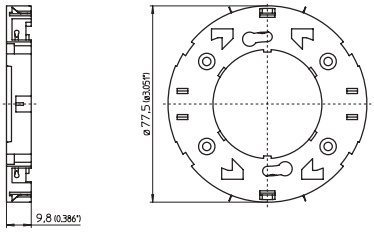
All T ratings in this chapter refer to IEC standards

GX53-1 flush-mount lampholder
Casing: PC, white, T100 (acc. to IEC)
Nominal rating: 2A/250V
Quick-connect terminals for through-wiring
for solid leads: 18AWG
for stranded leads: 18AWG, tinned lead ends
Front mounting holes for #4 screws (M3)
Weight: 12.8g, packing qty.: 200 pcs.
Type: 11000
new>> **Ref. No.: 530878**



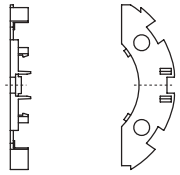


GX53-1 snap-in lampholder
Casing: PC, white, T100 (acc. to IEC)
Nominal rating: 2A/250V
Quick-connect terminals for through-wiring
for solid leads: 18AWG
for stranded leads: 18AWG, tinned lead ends
Fixing spring for installation into furniture/
ceiling panels, cut-out: $78^{+0.2}$mm (3.071"$^{+0.008}$") dia.
Weight: 13.2g, packing qty.: 200 pcs.
Type: 11010
new>> **Ref. No.: 530879**



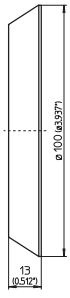


Cord grip/cover plate for GX53-1 lampholders
Material: PC, white
For leads H03VVH2-F 2X0.75
Weight: 1.6g, packing qty.: 200 pcs.
Type: 97278
Ref. No.: 504939



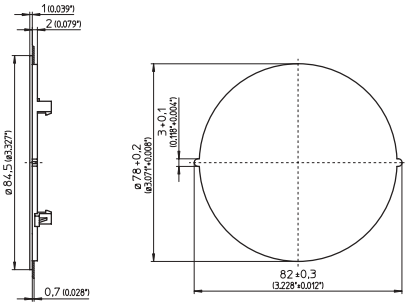


Flush-mount installation ring
For wood or ceiling panels
Material: PC, white
Weight: 10.3g, packing qty.: 100 pcs.
Type: 97277
Ref. No.: 504938



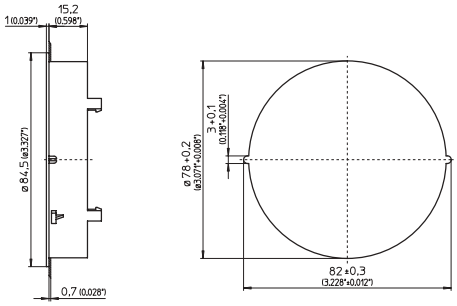


Flush-mount installation ring, flat
For installation in sheet metal of 0.7mm (0.028")
Material: PC, white
Weight: 2.2g, packing qty.: 200 pcs.
Type: 97276
Ref. No.: 504937



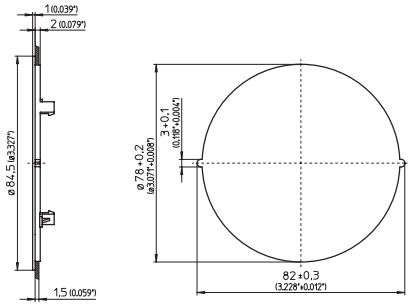


Flush-mount installation ring, high
For installation in sheet metal of 0.7mm (0.028")
Material: PC, white
Weight: 5.4g, packing qty.: 100 pcs.
Type: 97275
Ref. No.: 504936



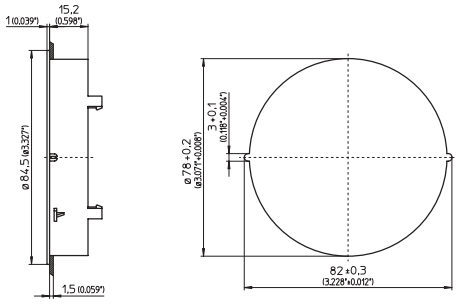


Flush-mount installation ring, flat
For installation in sheet metal of 1.5mm (0.059")
Material: PC, white
Weight: 2.2g, packing qty.: 200 pcs.
Type: 97274
Ref. No.: 504935

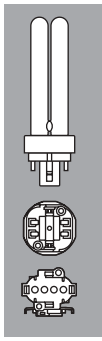




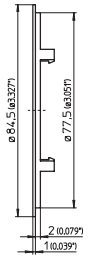
Flush-mount installation ring, high
For installation in sheet metal of 1.5mm (0.059")
Material: PC, white
Weight: 5.4g, packing qty.: 100 pcs.
Type: 97273
Ref. No.: 504934





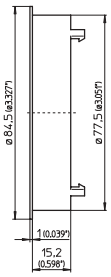


Flush-mount installation ring, flat
For installation into furniture/ceiling panels
Material: PC, white
Weight: 2.1g, packing qty.: 200 pcs.
Type: 97272
Ref. No.: 504933



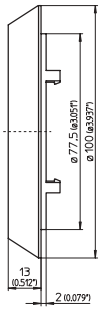


Flush-mount installation ring, high
For installation into furniture/ceiling panels
Material: PC, white
Weight: 5.4g, packing qty.: 100 pcs.
Type: 97281
Ref. No.: 505118



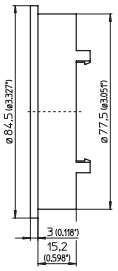


Flush-mount installation ring
For installation into furniture/ceiling panels
Material: PMMA, transparent
Weight: 12.5g, packing qty.: 100 pcs.
Type: 97280
Ref. No.: 505003



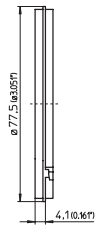


Flush-mount installation ring, high
For installation into furniture/ceiling panels
For defuser ring 504931
Material: PC, white
Weight: 6.4g, packing qty.: 100 pcs.
Type: 97271
Ref. No.: 504932





Defuser ring
For defuser glass: 72.5$^{-0.5}$mm (2.854"$^{-0.020}$") dia.
Thickness: max. 1.3$^{-0.1}$mm (0.051"$^{-0.004}$")
Material: PC, white
Weight: 2.8g, packing qty.: 200 pcs.
Type: 97279
Ref. No.: 504931





Index of Components for Compact Fluorescent Lamps by Reference Numbers

Ref. No.	Type	Page
101336	35042	52
101337	35043	52
101338	35046	52
101340	35047	53
101341	35048	53
101342	35050	53
101344	35051	53
101346	35052	53
101358	35100	70
101375	35340	54
101377	35348	54
101379	35350	54
101381	35351	54
101382	35352	55
101410	35812	58
101448	35862	58
101485	36050	69
101489	36051	69
101491	36052	69
101493	36053	69
101497	36061	74
101521	36300	68
105448	97031	75
105775	35060	73
105775	35760	73
105776	35060	73
105776	35061	73
105777	35760	73
105777	35761	73
105824	97516	72
105931	35061	73
105931	35761	73
105981	97638	74
105983	97639	74
106262	35842	58
106416	35060	73
106416	35061	73
106417	35760	73
106417	35761	73
106893	35814	60
106912	35912	58
107499	97099	72
107617	35844	60
107618	35864	60
107861	35914	60
108575	35944	60
108576	35964	60
108878	36060	74
108927	35500	70
108928	35510	70
108929	35520	70
108932	35530	71
108933	35540	71

Ref. No.	Type	Page
108934	35550	71
108956	97194	73
109022	35080	52
109235	35610	55
109237	35620	56
109238	35611	55
109239	35621	56
109240	35612	56
109241	35622	57
109344	35570	71
163141	L 7/9.156	48
163197	L 13II.174	49
163220	L 13II.174	49
163221	L 13II.174	49
163233	L 13II.174	49
163256	L 20.122	49
163273	L 13II.133	49
163318	L 7/9.209	48
169935	L 7/9.156	48
177830	L 7/9.209	48
188201	EXUr 242.000	43, 44, 45
188226	EXUr 239.002	43, 44
188271	EXUr 142.005	43, 44
188272	EXUr 218.006	42
188415	EXUr 254.008	45
188507	EXUr 213.009	42
500351	L 13II.133	49
500574	35613	55
500575	35613	56
502555	35942	58
502556	35962	58
504212	35501	72
504213	35502	71
504906	97249	72
504931	97279	78
504932	97271	78
504933	97272	77
504934	97273	77
504935	97274	77
504936	97275	77
504937	97276	77
504938	97277	76
504939	97278	76
505003	97280	78
505118	97281	78
505626	L 13II.144	49
507992	45930	67
507993	45940	67
507994	45960	67
507995	45980	67
508159	45990	68
509519	93059	74
509520	93058	74



Index of Components for Compact Fluorescent Lamps by Reference Numbers

Ref. No.	Type	Page
509521	93057	74
509522	93056	74
526755	59000	68
527017	71714	62
527018	71715	62
527019	71716	62
527020	71719	62
527502	71001	58
527503	71002	58
527504	71003	58
527506	71011	58
527507	71012	58
527508	71013	58
527509	71014	58
527510	71015	58
527511	71016	58
527512	71019	58
527514	71011	58
527515	71012	58
527516	71013	58
527517	71014	58
527518	71015	58
527519	71016	58
527520	71019	58
527529	71101	59
527530	71102	59
527531	71103	59
527533	71111	59
527534	71112	59
527535	71113	59
527536	71114	59
527537	71115	59
527538	71116	59
527539	71119	59
527541	71111	59
527542	71112	59
527543	71113	59
527544	71114	59
527545	71115	59
527546	71116	59
527547	71119	59
527556	71201	63
527557	71202	63
527558	71203	63
527560	71211	63
527561	71212	63
527562	71213	63
527563	71214	63
527564	71215	63
527565	71216	63
527566	71219	63
527568	71211	63
527569	71212	63

Ref. No.	Type	Page
527570	71213	63
527571	71214	63
527572	71215	63
527573	71216	63
527574	71219	63
527585	71301	60
527586	71302	60
527587	71303	60
527589	71311	60
527590	71312	60
527591	71313	60
527592	71314	60
527594	71315	60
527595	71316	60
527596	71319	60
527598	71311	60
527599	71312	60
527600	71313	60
527601	71314	60
527602	71315	60
527603	71316	60
527604	71319	60
527735	71501	57
527736	71502	57
527737	71503	57
527739	71511	57
527740	71512	57
527741	71513	57
527742	71514	57
527743	71515	57
527744	71516	57
527745	71519	57
527747	71511	57
527748	71512	57
527749	71513	57
527750	71514	57
527751	71515	57
527752	71516	57
527753	71519	57
527762	71601	64
527763	71602	64
527765	71603	64
527766	71611	64
527768	71612	64
527769	71613	64
527770	71614	64
527771	71615	64
527772	71616	64
527773	71619	64
527775	71631	64
527776	71632	64
527777	71633	64
527778	71634	64

Index of Components for Compact Fluorescent Lamps by Reference Numbers

Ref. No.	Type	Page
527779	71635	64
527780	71636	64
527781	71639	64
527790	71701	62
527791	71702	62
527792	71703	62
527794	71711	62
527795	71712	62
527796	71713	62
527797	71714	62
527798	71715	62
527799	71716	62
527800	71719	62
527802	71711	62
527803	71712	62
527804	71713	62
528029	71801	61
528030	71802	61
528031	71803	61
528033	71811	61
528034	71812	61
528035	71813	61
528036	71814	61
528037	71815	61
528038	71816	61
528039	71819	61
528041	71811	61
528042	71812	61
528043	71813	61
528044	71814	61
528045	71815	61
528046	71816	61
528047	71819	61
528089	72001	66
528090	72002	66
528091	72003	66
528093	72011	66
528094	72012	66
528095	72013	66
528096	72014	66
528097	72015	66
528098	72016	66
528099	72019	66
528101	72011	66
528102	72012	66
528103	72013	66
528104	72014	66
528105	72015	66
528106	72016	66
528107	72019	66
528116	72101	67
528117	72102	67
528118	72103	67

Ref. No.	Type	Page
528120	72111	67
528121	72112	67
528122	72113	67
528123	72114	67
528124	72115	67
528125	72116	67
528126	72119	67
528128	72111	67
528129	72112	67
528130	72113	67
528131	72114	67
528132	72115	67
528133	72116	67
528134	72119	67
530458	72201	65
530459	72202	65
530460	72203	65
530462	72211	65
530463	72212	65
530464	72213	65
530465	72214	65
530466	72215	65
530467	72216	65
530468	72219	65
530470	72231	65
530471	72232	65
530472	72233	65
530473	72234	65
530474	72235	65
530475	72236	65
530476	72239	65
530878	11000	76
530879	11010	76
532685	36050	69
532687	36051	69
532689	36052	69
532691	36053	69



Index of Components for Compact Fluorescent Lamps by Type Numbers

Type	Ref. No.	Page
11000	**530878**	76
11010	**530879**	76
35042	**101336**	52
35043	**101337**	52
35046	**101338**	52
35047	**101340**	53
35048	**101341**	53
35050	**101342**	53
35051	**101344**	53
35052	**101346**	53
35060	**106416**	73
35060	**105776**	73
35060	**105775**	73
35061	**105931**	73
35061	**105776**	73
35061	**106416**	73
35080	**109022**	52
35100	**101358**	70
35340	**101375**	54
35348	**101377**	54
35350	**101379**	54
35351	**101381**	54
35352	**101382**	55
35500	**108927**	70
35501	**504212**	72
35502	**504213**	71
35510	**108928**	70
35520	**108929**	70
35530	**108932**	71
35540	**108933**	71
35550	**108934**	71
35570	**109344**	71
35610	**109235**	55
35611	**109238**	55
35612	**109240**	56
35613	**500575**	56
35613	**500574**	55
35620	**109237**	56
35621	**109239**	56
35622	**109241**	57
35760	**106417**	73
35760	**105775**	73
35760	**105777**	73
35761	**105931**	73
35761	**105777**	73
35761	**106417**	73
35812	**101410**	58
35814	**106893**	60
35842	**106262**	58
35844	**107617**	60
35862	**101448**	58
35864	**107618**	60
35912	**106912**	58
35914	**107861**	60
35942	**502555**	58
35944	**108575**	60
35962	**502556**	58
35964	**108576**	60
36050	**101485**	69
36050	**532685**	69
36051	**101489**	69
36051	**532687**	69
36052	**532689**	69
36052	**101491**	69
36053	**532691**	69
36053	**101493**	69
36060	**108878**	74
36061	**101497**	74
36300	**101521**	68
45930	**507992**	67
45940	**507993**	67
45960	**507994**	67
45980	**507995**	67
45990	**508159**	68
59000	**526755**	68
71001	**527502**	58
71002	**527503**	58
71003	**527504**	58
71011	**527514**	58
71011	**527506**	58
71012	**527515**	58
71012	**527507**	58
71013	**527508**	58
71013	**527516**	58
71014	**527509**	58
71014	**527517**	58
71015	**527510**	58
71015	**527518**	58
71016	**527511**	58
71016	**527519**	58
71019	**527520**	58
71019	**527512**	58
71101	**527529**	59
71102	**527530**	59
71103	**527531**	59
71111	**527541**	59
71111	**527533**	59
71112	**527534**	59
71112	**527542**	59
71113	**527535**	59
71113	**527543**	59
71114	**527544**	59
71114	**527536**	59
71115	**527545**	59
71115	**527537**	59
71116	**527546**	59

Index of Components for Compact Fluorescent Lamps by Type Numbers

Type	Ref. No.	Page
71116	**527538**	59
71119	**527547**	59
71119	**527539**	59
71201	**527556**	63
71202	**527557**	63
71203	**527558**	63
71211	**527568**	63
71211	**527560**	63
71212	**527561**	63
71212	**527569**	63
71213	**527570**	63
71213	**527562**	63
71214	**527563**	63
71214	**527571**	63
71215	**527564**	63
71215	**527572**	63
71216	**527573**	63
71216	**527565**	63
71219	**527574**	63
71219	**527566**	63
71301	**527585**	60
71302	**527586**	60
71303	**527587**	60
71311	**527598**	60
71311	**527589**	60
71312	**527590**	60
71312	**527599**	60
71313	**527600**	60
71313	**527591**	60
71314	**527592**	60
71314	**527601**	60
71315	**527594**	60
71315	**527602**	60
71316	**527595**	60
71316	**527603**	60
71319	**527604**	60
71319	**527596**	60
71501	**527735**	57
71502	**527736**	57
71503	**527737**	57
71511	**527747**	57
71511	**527739**	57
71512	**527748**	57
71512	**527740**	57
71513	**527749**	57
71513	**527741**	57
71514	**527750**	57
71514	**527742**	57
71515	**527743**	57
71515	**527751**	57
71516	**527744**	57
71516	**527752**	57
71519	**527753**	57

Type	Ref. No.	Page
71519	**527745**	57
71601	**527762**	64
71602	**527763**	64
71603	**527765**	64
71611	**527766**	64
71612	**527768**	64
71613	**527769**	64
71614	**527770**	64
71615	**527771**	64
71616	**527772**	64
71619	**527773**	64
71631	**527775**	64
71632	**527776**	64
71633	**527777**	64
71634	**527778**	64
71635	**527779**	64
71636	**527780**	64
71639	**527781**	64
71701	**527790**	62
71702	**527791**	62
71703	**527792**	62
71711	**527802**	62
71711	**527794**	62
71712	**527803**	62
71712	**527795**	62
71713	**527804**	62
71713	**527796**	62
71714	**527797**	62
71714	**527017**	62
71715	**527798**	62
71715	**527018**	62
71716	**527019**	62
71716	**527799**	62
71719	**527020**	62
71719	**527800**	62
71801	**528029**	61
71802	**528030**	61
71803	**528031**	61
71811	**528041**	61
71811	**528033**	61
71812	**528034**	61
71812	**528042**	61
71813	**528043**	61
71813	**528035**	61
71814	**528036**	61
71814	**528044**	61
71815	**528045**	61
71815	**528037**	61
71816	**528038**	61
71816	**528046**	61
71819	**528047**	61
71819	**528039**	61
72001	**528089**	66



Index of Components for Compact Fluorescent Lamps by Type Numbers

Type	Ref. No.	Page
72002	**528090**	66
72003	**528091**	66
72011	**528101**	66
72011	**528093**	66
72012	**528102**	66
72012	**528094**	66
72013	**528095**	66
72013	**528103**	66
72014	**528104**	66
72014	**528096**	66
72015	**528105**	66
72015	**528097**	66
72016	**528098**	66
72016	**528106**	66
72019	**528107**	66
72019	**528099**	66
72101	**528116**	67
72102	**528117**	67
72103	**528118**	67
72111	**528128**	67
72111	**528120**	67
72112	**528121**	67
72112	**528129**	67
72113	**528130**	67
72113	**528122**	67
72114	**528123**	67
72114	**528131**	67
72115	**528132**	67
72115	**528124**	67
72116	**528125**	67
72116	**528133**	67
72119	**528126**	67
72119	**528134**	67
72201	**530458**	65
72202	**530459**	65
72203	**530460**	65
72211	**530462**	65
72212	**530463**	65
72213	**530464**	65
72214	**530465**	65
72215	**530466**	65
72216	**530467**	65
72219	**530468**	65
72231	**530470**	65
72232	**530471**	65
72233	**530472**	65
72234	**530473**	65
72235	**530474**	65
72236	**530475**	65
72239	**530476**	65
93056	**509522**	74
93057	**509521**	74
93058	**509520**	74

Type	Ref. No.	Page
93059	**509519**	74
97031	**105448**	75
97099	**107499**	72
97194	**108956**	73
97249	**504906**	72
97271	**504932**	78
97272	**504933**	77
97273	**504934**	77
97274	**504935**	77
97275	**504936**	77
97276	**504937**	77
97277	**504938**	76
97278	**504939**	76
97279	**504931**	78
97280	**505003**	78
97281	**505118**	78
97516	**105824**	72
97638	**105981**	74
97639	**105983**	74
EXUr 142.005	**188271**	43, 44
EXUr 213.009	**188507**	42
EXUr 218.006	**188272**	42
EXUr 239.002	**188226**	43, 44
EXUr 242.000	**188201**	43, 44, 45
EXUr 254.008	**188415**	45
L 13II.133	**163273**	49
L 13II.133	**500351**	49
L 13II.144	**505626**	49
L 13II.174	**163220**	49
L 13II.174	**163221**	49
L 13II.174	**163233**	49
L 13II.174	**163197**	49
L 20.122	**163256**	49
L 7/9.156	**169935**	48
L 7/9.156	**163141**	48
L 7/9.209	**163318**	48
L 7/9.209	**177830**	48

