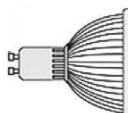
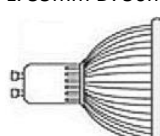


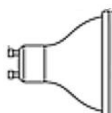
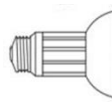
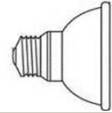
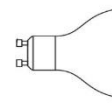
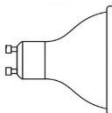
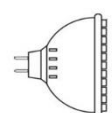
LED Leuchtmittel GU10, GX 5.3, MR16,E14, E27

Content

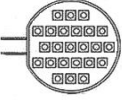
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LED Leuchtmittel GU10, GX 5.3, MR16

Art No.		Color Temperature	Power	LED	CRI	Luminous flux	Base	Beam Angle	Voltage	Maße Size [mm]
MDZ-AG13		Cool White 5500-6500K Warm White 2700-3500K	4W	1*3W	>70	150-180 lm	GU10	15° 30° 45°	AC 100-260V	Ø50*54
MDZ-AM13		Cool White 5500-6500K Warm White 2700-3500K	4W	1*3W	>70	150-180 lm	MR16 GX5.3	15° 30° 45°	AC/DC 12V	Ø50*54
MDZ-AG31		Cool White 5500-6500K Warm White 2700-3500K	4W	3*1W	>70	180-210 lm	GU10	15° 30° 45°	AC 100-260V	Ø50*54
MDZ-AM31		Cool White 5500-6500K Warm White 2700-3500K	4W	3*1W	>70	180-210 lm	MR16 GX5.3	15° 30° 45°	AC/DC 12V	Ø50*54
MDZ-070-R16/GX5.3		Cool White 5500-6500K Warm White 2700-3500K	7W	14PCS SAMSUNG SMD2323	>80	480-500 lm	MR16 GX5.3	35° 42°	AC/DC 12V	Ø50*79,8
MDZ-070-GU10		Cool White 5500-6500K Warm White 2700-3500K	7W	14PCS SAMSUNG SMD2323	>80	480-500 lm	GU10	35° 42°	AC 90-265V	Ø50*79,8
MDZAR-10-GU10		Cool White 5500-6500K Warm White 2700-3500K	10W	24PCS SAMSUNG SMD2323	>80	700-750 lm	GU10	60°	AC 90-265V	Ø111*69,5
MDZAR-15-GU10		Cool White 5500-6500K Warm White 2700-3500K	15W	36PCS SAMSUNG SMD2323	>80	950-1000 lm	GU10	60°	AC 90-265V	Ø111*69,5
MDZAR-10-GX 5.3		Cool White 5500-6500K Warm White 2700-3500K	10W	24PCS SAMSUNG SMD2323	>80	550-600 lm	G53	60°	AC/DC 12V	Ø111*69,5
MDZAR-15-GX 5.3		Cool White 5500-6500K Warm White 2700-3500K	15W	36PCS SAMSUNG SMD2323	>80	850-900 lm	G53	60°	AC/DC 12V	Ø111*69,5
MDZ-04G4*1		Cool White 5500-6500K Warm White 2700-3500K	4W	4*1W		80-210 lm	L: 58mm D: 50mm 		1.Base type: E27 GU10 GU5.3 2.Viewing Angle: 38°/60° 3.Voltage: AC 100-240V 4.Aluminium Housing	
MDZ-03M3*1		Cool White 5500-6500K Warm White 2700-3500K	3,5W	3		180-210 lm	L: 55mm D: 50mm 		1.Base type: E27 GU10 GU5.3 2.Viewing Angle: 38°/60° 3.Voltage: AC 100-240V 4.Aluminium Housing Silver or Gold	

ODEL		LED QTY.	Power	LUMEN	PRODUCT SIZE	DESCRIPTION
MDZ GU10- E14-E27-1,4W		21	1,4W	90-100	GU10 L:58mm D:50mm	1. Base type: E27,E14,GU10 , 2. Viewing angle: 120° 3. Voltage: AC-110-130V/ 220-240V 50/60Hz 4. Glass cup or PC cup, 5. Transparent glass cover
MDZ-GU10- E14-E27-1,6W		30	1,6W	100-120		
MDZ-GU10- E14-E27-1,8W		36	1,8W	130-140	JDR L:73mm D:50mm	
MDZ-GU10- E14-E27-2,3W		48	2,3W	170-190		
MDZ GU10- E14-E27-2,4W		54	2,4W	190-210	HR L:53mm D:50mm	
MDZ-GU10- E14-E27-2,6W		60	2,6W	205-230		
MDZ-MR16- 3528-1,4W		21	1,4W	90-100	L:50MM D:50MM	1. Base type: GU 5.3 2. Viewing angle: 120° 3. Voltage: AC/DC6-17V 50/60Hz 4. Adapt to any transformer even the cheapest 5. Glass cup or PC cup
MDZ-MR16- 3528-1,6W		30	1,6W	100-120		
MDZ-MR16- 3528-1,8W		36	1,8W	130-140		
MDZ-MR16- 3528-2,3W		48	2,3W	170-190		
MDZ-MR16- 3528-2,4W		54	2,4W	190-210		
MDZ-MR16- 3528-2,6W		60	2,6W	205-230		
MDZ-GU10A-2835-3W		12	3W	190-220	GU10 L:58mm D:50mm	1. Base type: GU10, E27, E14, GU5.3 2. Viewing angle: 120° 3. Voltage: AC 220-240V/110-130V 50/60Hz 4. Aluminum Plat Housing for better heat dissipation 5. Transparent or milk PC cover
MDZ-GU10A-2835-4W		16	4W	280-320		
MDZ2835-GU10A-4,5W		20	4.5W	360-400		
MDZ-GU10C-2835-3W		16	3W	260-280	L:58mm D:50mm	1. Base type: GU10 2. Viewing angle: 120° 3. Voltage: AC 100-240V 50/60Hz 4. Ceramic Housing for better heat dissipation 5. Transparent,milk or dotted glass cover
MDZ GU10C-2835-4,5W		20	4,5W	360-400		
MDZ GU10C-2835-5W		24	5W	450-500		
MDZ-MR16-2835AI-3W		12	3W	190-220	MR16 L:50mm D:50mm	1. Base type: GU10, E27, E14, GU5.3 2. Viewing angle: 120° 3. Voltage: AC 12-17V 50/60Hz 4. Aluminum Plat Housing for better heat dissipation 5. Transparent or milk PC cover
MDZ-MR16-2835AI-4W		16	4W	280-320		
MDZ-MR16-2835AI-4,5W		20	4.5W	360-400		
MDZ-MR16- 2835-3W		16	3W	260-300	MR16 L:50mm D:50mm	1. Base type: GU10, E27, E14, GU5.3 2. Viewing angle: 120° 3. Voltage: AC 12-17V 50/60Hz 4. Transparent or milk glass cover

MODEL	G4	LED QTY.	Power	LUMEN	PRODUCT SIZE	DESCRIPTION
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MDZ-G4-A		24	1,2W	90-100	L:38MM D:29MM 	1.Base type: G4 2.Viewing angle: 120° 3.Voltage: AC/DC 6-17V,50/60Hz 4.Adapt to any transformer
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MODEL	GX53	LED QTY.	Power	LUMEN	PRODUCT SIZE	DESCRIPTION
MDZ-GX53-2835-3,5W		15	3,5W	220-250	W:27MM D:75MM	1.Base type: GU53 2.Voltage: AC 110-130V/220-240V 50/60Hz 3.Viewing angle: 180° 4.Plastic cover
MDZ GX53-Holder-C	 GX53 Holder-C	N/A	N/A		 GX53 Holder-C	1.PC holder 2. With 50cm VDE power wire 3.The holder can insert to the wall,using screw to fix the holder

LED Röhren in O-Form | LED O-Shape Tubes



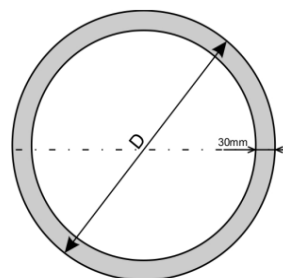
LED-Röhre in O-Form LED-Tube O-Shaped

Spannung: ~110 – 277
Voltage : ~110 – 277 V

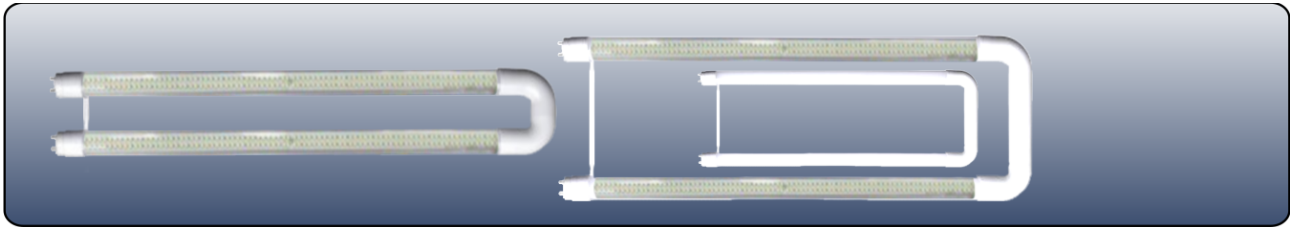
Besitzt innen einen LED-Treiber
LED Driver mounted inside

Warm White	WW 3500 - 4500 K
Neutral White	NW 5000 - 6000 K
Cold White	CW 6000 - 7500 K

Artikeli Article	D [mm]	Power [W]	SMD Q-ty	Gehäuse Tube Cover	Lichtstrom Luminous flux [lm]
MTR-O LED	205	10W	112	Durchsichtiges Abdeckung Transparent cover	1100 lm
				Matte Abdeckung Frosted cover	900 lm
MTR-O LED	225	12W	128	Durchsichtiges Abdeckung Transparent cover	1500 lm
				Matte Abdeckung Frosted cover	1200 lm
MTR-O LED	300	18W	192	Durchsichtiges Abdeckung Transparent cover	1600 lm
				Matte Abdeckung Frosted cover	1300 lm
MTR-O LED	375	22W	240	Durchsichtiges Abdeckung Transparent cover	2200 lm
				Matte Abdeckung Frosted cover	1800 lm



LED Röhren in U-Form | LED U-Shape Tubes



LED-Röhre T8 in U-Form

LED-Tube T8 U-Shaped

Spannung: ~110 – 277

Voltage : ~110 – 277 V

Besitzt innen einen LED-Treiber

LED Driver mounted inside

Warm White WW 3500 - 4500 K
Neutral White NW 5000 - 6000 K
Cold White CW 6000 - 7500 K

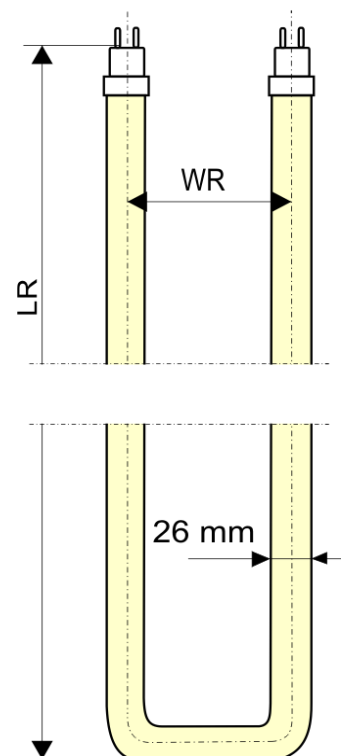
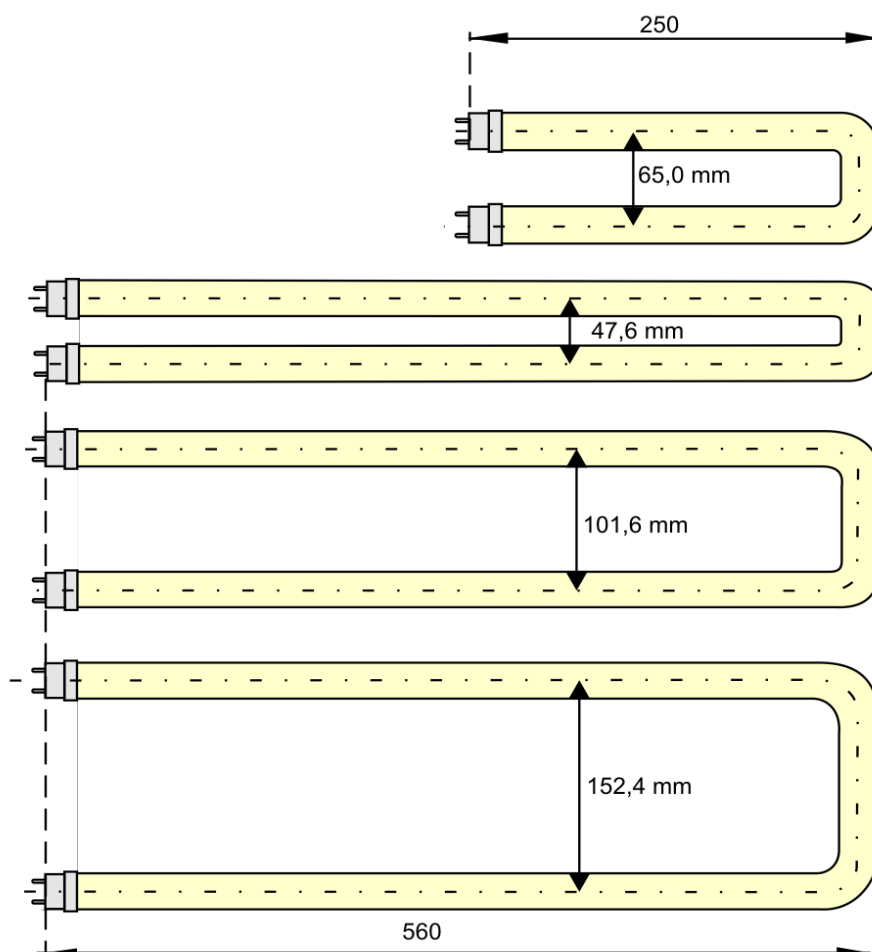
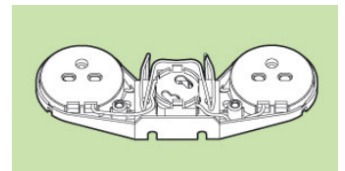
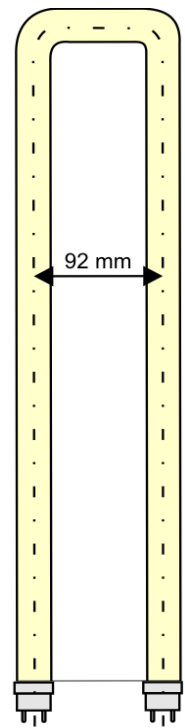
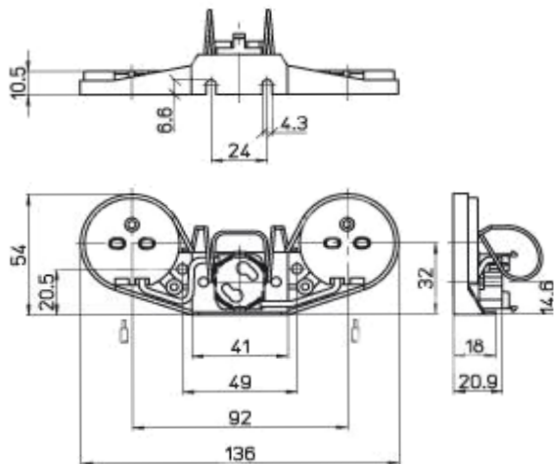
Artikel Article	L _R [mm]	WR [mm]	Power [W]	Lichtstrom - Luminous flux		
				Gehäuse - Cover		
				Durchsichtiges Transparent	Genutet Striped	Mattes Frosted
MTR-U-L LED	250	65	12	1000 lm	950	800
MTR-U-L LED	560	47,6	15	1400 lm	1300	1100
			18	1700 lm	1600	1360
			25	2000 lm	1900	1600
			28	2500 lm	2400	2000
MTR-U-L LED	560	92	15	1400 lm	1300	1100
			18	1700 lm	1600	1360
			25	2000 lm	1900	1600
			28	2500 lm	2400	2000
MTR-U-L LED	560	101,6	15	1400 lm	1300	1100
			18	1700 lm	1600	1360
			25	2000 lm	1900	1600
			28	2500 lm	2400	2000
MTR-U-L LED	560	152,4	15	1400 lm	1300	1100
			18	1700 lm	1600	1360
			25	2000 lm	1900	1600
			28	2500 lm	2400	2000

Die LED Version WR=92 mm ist für die üblichen Lampenfassungen (siehe Zeichnung) vorgesehen:

LED Version WR=92 is intended for old U-Form Tubes lampholders:

Die alten U-Form Röhren (in der Leuchtstoffversion) können durch die LED Version ersetzt werden.

Old U-Form fluorescent tubes can be replaced by LED version.



T5 LED Röhren Stabform | T5 LED Tubes

LED Röhren T5 zur Modernisierung alter Leuchten LED T5 Tubes for retrofitting (RTF type).

1. Mit diesen kann man die alten, in Leuchtstofftechnik hergestellten T5 Röhren, ersetzen. Man sollte das alte Vorschaltgerät nicht abschalten. Dies betrifft die meisten Typen der elektronischen Vorschaltgeräte (eine Ausnahme bilden Vorschaltgeräte, die als integrierte Schaltungen eingebaut sind). Bei den meisten alten Leuchten ist es nicht möglich die alten Vorschaltgeräte herauszunehmen (diese befinden sich in dem Kunststoffprofil und sind zugeklebt). Unsere LED Röhren erlauben es dieses Problem zu umgehen.

2. Möglich ist auch die Speisung durch die Anwendung von 12V - LED Treibern.

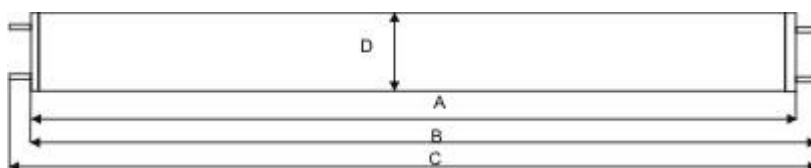
3. Verboten ist der direkte Anschluss an eine AC Spannung von 110-230V (dies kann nur mittels des alten elektronischen Vorschaltgerätes geschehen).

1. Fluorescent tubes in old luminaires can be replaced by T5 LED tubes. Tubes are compatible with old electronic ballasts. Old ballasts should not be disconnected. It concerns most types of old electronic ballasts (except ballasts made in Integrated Circuits technology). Disconnecting of old ballast is impossible in old T5 luminaires (ballast is mounted inside plastic profile and glued together). Our LED T5 Tube allows solving this problem.

2. T5 LED Tubes can be supplied by LED Driver, as well. Constant voltage 12V type should be used.

3. Direct supply from AC 110 – 230V is not allowed (230V~ can be connected through old electronic ballast only).

	MDZ-T5-600X-RTF	MDZ-T5-900X-RTF	MDZ-T5-1200X-RTF
LED Menge LED Quantity	90 Stck Pcs SMD 3014	117 Stck Pcs SMD 3014	153 Stck Pcs SMD 3014
Leistung Power	9 W	12 W	15 W
Strom Current	0,23A	0,23A	0,23A
Lichtstrom Luminous Flux	550-650 lm	850-1000 lm	1050-1250 lm
Lichtfarbe Light Colour	2700-6500K	2700-6500K	2700-6500K
Farbwiedergabe CRI Colour Rendering Index	70	70	70
A max	549,0mm	849,0mm	1149,0mm
B max	556,1mm	856,1mm	1156,1mm
B min	553,7mm	853,7mm	1153,7mm
C max	563,2mm	863,2mm	1163,2mm
D max	16mm	16mm	16mm



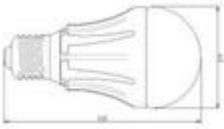
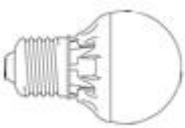
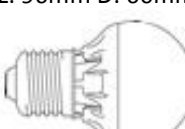
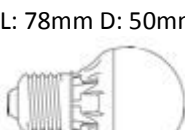
LED Röhren T5 für neue Installationen LED Tube T5 for new applications.

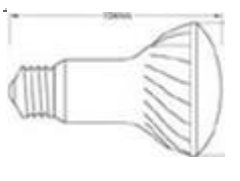
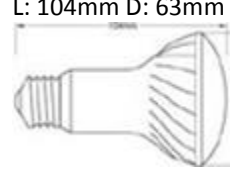
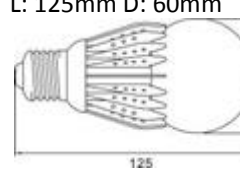
Speisung mit einer Spannung ~85 – 265 V, 50-60 Hz
Die alten elektronischen Vorschaltgeräte müssen abgeschaltet werden.

Power supply: ~85 – 265 V, 50-60 Hz
Old electronic ballasts must be removed or disconnected.

	MDZ-T5-300X	MDZ-T5-600X	MDZ-T5-900X	MDZ-T5-1200X	MDZ-T5-1200X	MDZ-T5-1500X
Spannung Voltage	AC 85-265V 50-60Hz	AC 85-265V 50-60Hz	AC 85-265V 50-60Hz	AC 85-265V 50-60Hz	AC 85-265V 50-60Hz	AC 85-265V 50-60Hz
Powerfaktor Power Factor	≥ 0,95	≥ 0,95	≥ 0,95	≥ 0,95	≥ 0,95	≥ 0,95
LED Menge LED Quantity	44 Stck Pcs SMD 3528	84 Stck Pcs SMD 3528	126 Stck Pcs SMD 3528	176 Stck Pcs SMD 3528	240 Stck Pcs SMD 3528	300 Stck Pcs SMD 3528
Leistung Power	4 W	6 W	9 W	12 W	16 W	20 W
Lichtstrom Luminous Flux	270-300 lm	500-530 lm	700-850 lm	1000-1050 lm	1350-1550 lm	1800-1900 lm
Lichtfarbe Light Colour	2700 - 3500K 4000 - 5000K 5500 - 6500K	2700 - 3500K 4000 - 5000K 5500 - 6500K	2700 - 3500K 4000 - 5000K 5500 - 6500K	2700 - 3500K 4000 - 5000K 5500 - 6500K	2700 - 3500K 4000 - 5000K 5500 - 6500K	2700 - 3500K 4000 - 5000K 5500 - 6500K
Farbwiedergabe CRI Colour Rendering Index	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80	≥ 80
Länge Length	300 mm	600 mm	900 mm	1200 mm	1200 mm	1500 mm
Abdeckung Cover	Milchig /Transparent Milky /	Milchig /Transparent Milky /	Milchig /Transparent Milky /	Milchig /Transparent Milky /	Milchig /Transparent Milky /	Milchig /Transparent Milky /
	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent

E27, E14 LED Glühbirne | E27, E14 LED Bulbs

	LED Menge LED Quantity	Leistung Power	Lichtstrom Luminous Flux	Abmessungen Dimensions	Eigenschaften Features
MDA60A2835SMDZ  LED	44	9W	700-800	L: 118mm D: 60mm	- Base type E27 - Viewing Angle 180° - Voltage AC 220-240V - Frosted Cover - Aluminium Housing - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
	48	12W	1000-1100		
MDB60C15S2NZ  LED	15	3,5W	320-350	L: 103mm D: 60mm 	- Base type E27, E14 - Viewing Angle 300° - Voltage AC 220-240V 50/60Hz - Ceramic + Glass - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
MDG50C20S2NZ  LED	20	4W	380-400	L: 78mm D: 50mm 	- Base type E27, E14 - Viewing Angle 270° - Voltage AC 220-240V 50/60Hz - Ceramic + Glass - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
MDG60C20S2NZ  LED	20	4W	380-400	L: 96mm D: 60mm 	- Base type E27, E14 - Viewing Angle 270° - Voltage AC 220-240V 50/60Hz - Ceramic + Glass - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
MDG50C24S2NZ  LED	24	5W	480-500	L: 78mm D: 50mm 	- Base type E27, E14 - Viewing Angle 270° - Voltage AC 220-240V 50/60Hz - Ceramic + Glass - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
MDG60C24S2NZ  LED	24	5W	480-500	L: 96mm D: 60mm 	- Base type E27, E14 - Viewing Angle 270° - Voltage AC 220-240V 50/60Hz - Ceramic + Glass - Aluminium Housing - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h

MDR50283524SMDZ	24	5W	475-500	L: 78mm D: 50mm	- Base type E27, E14 - Vieving Angle 180°
 LED					- Voltage AC 220-240V 50 Hz - Frosted Cover - Ceramic Housing - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
 LED	36	7W	600-650	L: 104mm D: 63mm 	- Base type E27, E14 - Vieving Angle 180° - Voltage AC 220-240V 50/60Hz - Frosted Cover - Ceramic Housing - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h
 LED	24	6W	580-620	L: 125mm D: 60mm 	- Base type E27, E14 - Vieving Angle 270° - Voltage AC 220-240V 50/60Hz - Housing Aluminium + Glass Color : White - LED's EPISTAR - CRI (Ra) > 80 - Lifespan 35000h