


































































Leuchtmittel | lamps




















	C35 E14	Allgebrauchslampe (Kerzenform) general purpose bulb (candle shape)
	D45 E14	Allgebrauchslampe (Tropfenform) general purpose bulb (drop shape)
	QT25 E14	kompakte Hochvolt-Halogenlampe compact high voltage halogene lamp
	AGL E27	Allgebrauchslampe (Birnenform) general purpose bulb (pear shape)
	PAR E27	Pressglaslampe molded glass lamp
	TC-TSE E27 / 15W	Energiesparlampe energy saving lamp
	TC-TSE E27 / 23W	Energiesparlampe energy saving lamp
	QT9 G4	Niedervolt-Halogen-Stiftsockellampe low voltage halogene bolt socket lamp
	QT12 GY6,35	Niedervolt-Halogen-Stiftsockellampe low voltage halogene bolt socket lamp
	QT14-UVr G8,5	Niedervolt-Halogenlampe (TC) low voltage halogene lamp (TC)
	QT14 G9	Hochvolt-Halogen-Klicksockellampe high voltage halogene click socket lamp
	QT32 E27	Hochvolt-Halogenlampe high voltage halogene lamp
	QT-DE12 R7s (kurz)	Hochvolt-Halogen-Stablampe (kurze Form) high voltage halogene bar lamp (short socket)
	QT-DE12 R7s (lang)	Hochvolt-Halogen-Stablampe (lange Form) high voltage halogene bar lamp (long socket)
	QR-CBC35 GU4	Niedervolt-Halogen-Reflektorlampe Ø 35 mm low voltage halogene reflector lamp Ø 35 mm
	QR-CBC51 GU5,3	Niedervolt-Halogen-Reflektorlampe Ø 51 mm low voltage halogene reflector lamp Ø 51 mm
	QR-111 G53	Niedervolt-Halogen-Reflektorlampe Ø 111 mm low voltage halogene reflector lamp Ø 111 mm
	PAR16 GZ10/GU10	Hochvolt-Halogen-Reflektorlampe high voltage halogene reflector lamp
	T2 GX53	Energiesparlampe energy saving lamp
	T16 G5	Leuchtstofflampe Ø 16 mm (auch T5 genannt) fluorescent lamp Ø 16 mm (also called T5)
	T16-R 2GX13	ringförmige Leuchtstofflampe Ø 16 mm (T5-C) circular fluorescent lamp Ø 16 mm (T5-C)
	T26 G13	Leuchtstofflampe Ø 26 mm (auch T8 genannt) fluorescent lamp Ø 26 mm (also called T8)
	TC-S G23	Kompaktleuchtstofflampe compact fluorescent lamp
	TC-D G24...	Kompaktleuchtstofflampe compact fluorescent lamp
	TC-T GX24...	Kompaktleuchtstofflampe compact fluorescent lamp
	TC-L 2G11	Kompaktleuchtstofflampe compact fluorescent lamp
	TC-F 2G10	Kompaktleuchtstofflampe compact fluorescent lamp
	HIT-TC(TM) PGJ5	Miniatur-Halogen-Metall dampflampe tiny metal halide lamp
	HIT-TC G8,5	kompakte Halogen-Metall dampflampe compact metal halide lamp
	HIT-CE G12	kompakte Halogen-Metall dampflampe compact metal halide lamp
	HIT-CE-P PG(X)12-2	kompakte Halogen-Metall dampflampe compact metal halide lamp
	HIT-DE RX7s / 70W	kompakte Halogen-Metall dampflampe compact metal halide lamp
	HIT-DE RX7s / 150W	kompakte Halogen-Metall dampflampe compact metal halide lamp
	HIPAR30 E27	Pressglas-Halogen-Metall dampflampe molded glass metal halide lamp
	HIT E40	röhrenförmige Halogen-Metall dampfl. (< kV) metal halide lamp tubular (soft ignition)

	HIE E40	ellipsoide Halogen-Metall dampflampe (< kV) metal halide lamp ellipsoid (soft ignition)
	HST-CRI GX12-1	kompakte Hochdruck-Natriumdampflampe compact high-pressure sodium lamp
	HST-CRI PG12-1	kompakte Hochdruck-Natriumdampflampe compact high-pressure sodium lamp
	HST E40	röhrenförmige Hochdruck-Natriumdampflampe high-pressure sodium lamp tubular
	HME E27	Quecksilberdampflampe mercury lamp
	LED	Power-LED Power-LED
	LED	Top-LED Top-LED
	LED	Flux-LED Flux-LED
	LED	Side-LED Side-LED
	LED	bedrahtete LED Ø 3 mm wired LED Ø 3 mm
	LED	bedrahtete LED Ø 5 mm wired LED Ø 5 mm

Gehäusefarben | colours of bodies

	transparent	clear
	weiß	white
	schwarz	black
	anthrazit	anthracite
	alugrau	light grey
	mittelgrau	medium grey
	alu eloxiert	anodized aluminium
	alu natur	crude aluminium
	alu matt	matt aluminium
	alu gebürstet	brushed aluminium
	silber	silver
	gold, messing	gold, brass
	perlchrom	pearlchrome
	chrom glanz	glossy chrome
	chrom gebürstet	brushed chrome
	edelstahl	stainless steel
	limette	lime
	mandarine	tangerine
	terra	terra








Glasfarben | colours of glasses Lichtfarben | light colours

	klar	clear		kaltweiß	coolwhite
	weiß	white		warmweiß	warmwhite
	blau	blue		blau	blue
	rot	red		rot	red
	gelb	yellow		gelb	yellow
	grün	green		grün	green
	orange	orange		amber	amber
	creme	cremy		RGB 3 Dioden	RGB 3 diodes
	grau	grey		RGB 1 Diode	RGB 1 diode
	limette	lime			





Schutzarten | protection degrees

IP XY	IP erste Ziffer, Schutz gegen das Eindringen von ... <i>IP first digit, protection against penetration of ...</i>
X = 0	kein Schutz <i>no protection</i>
X = 1	Fremdkörper > 50 mm <i>foreign objects > 50 mm</i>
X = 2	Fremdkörper > 12 mm <i>foreign objects > 12 mm</i>
X = 3	Fremdkörper > 2,5 mm <i>foreign objects > 2,5 mm</i>
X = 4	Fremdkörper > 1 mm <i>foreign objects > 1 mm</i>
X = 5	Staub (Staubschutz) <i>dust (dust protected)</i>
X = 6	Staub (Staubsicht) <i>dust (complete dust protection)</i>
IP XY	IP zweite Ziffer, Schutz gegen Feuchtigkeit, gegen ... <i>IP second digit, protection against wetness, against ...</i>
Y = 0	kein Schutz <i>no protection</i>
Y = 1	Tropfwasser <i>vertical fall of water drops</i>
Y = 2	Tropfwasser bis 15° <i>fall of water drops angle max. 15°</i>
Y = 3	Sprühwasser <i>sprinkling water</i>
Y = 4	Spritzwasser <i>splashing water</i>
Y = 5	Strahlwasser <i>water jets</i>
Y = 6	schwere See <i>waves</i>
Y = 7	zeitweiliges Eintauchen <i>temporary immersion</i>
Y = 8	andauerndes Untertauchen <i>permanently immersion</i>








elektrischer Anschluss | electric connection

	Anschlussspannung (x = Spannung, y Frequenz) <i>voltage (x = voltage, y = frequency)</i>
	Kabelverschraubung (n = Anzahl, x = Kabelquerschnitt) <i>cable gland (n = number, x = diameter of cable)</i>
	Kabeldurchführung (n = Anzahl, x = Kabelquerschnitt) <i>cable entry (n = number, x = diameter of cable)</i>
	Anschlusskabel (n = Leiterzahl, y = Querschnitt, x = Länge) <i>feed cable (n = conductors, y = diameter, x = length)</i>
	Anschlusslitzen (n = Leiterzahl, y = Querschnitt, x = Länge) <i>feed lines (n = conductors, y = diameter, x = length)</i>
	Anschlusslitzen mit Stecker STLED1 (x = Länge) <i>feed lines with plug STLED1 (x = length)</i>
	dob-Steuerungssystem (driver on board) <i>dob-control-system</i>



Prüfzeichen | test certificates

	CE zertifiziert <i>CE certified</i>
	ENEC zertifiziert (x = Länderkennung) <i>ENEC certified (x = country of certification)</i>
	VDE zertifiziert (Verband deutscher Elektrotechniker) <i>VDE certified (association of german elect. engineers)</i>
	NEMKO zertifiziert (Norwegen) <i>NEMKO certified (Norway)</i>
	IMQ zertifiziert (Italien) <i>IMQ certified (Italy)</i>

Sicherheit | safety




	F-Zeichen zur Montage an Baustoffen gem. DIN 4102 <i>F-sign for mounting on building materials DIN 4102</i>
	M-Zeichen (Möbeleinbau) <i>M-sign (installation in furniture)</i>
	MM-Zeichen (Möbeleinb., Entflammbarkeit unbekannt) <i>MM-sign (installation in furniture, unknown inflammability)</i>
	Transformator mit Funkstör Schutzfilter gem. EN 55015 <i>transformer with radio interference debugger EN 55015</i>
	Transformator mit Thermo-sicherung (x = Auslösetemperatur) <i>transformer with thermo-protection (x = temperature)</i>
	Aufputzinstallation oder zusätzliche Sicherheitsabdeckung <i>surface mounted installation without additional insulation</i>
	Notlichtversion <i>version for emergency lighting</i>

Umweltschutz | environment protection





	Nicht im Hausmüll entsorgen, WEEE-Richtlinien beachten* <i>not for domestic waste, follow the WEEE rules*</i>
	RoHS konform* <i>conformity with the RoHS rules*</i>
Alle Artikel werden gemäß RoHS Anforderungen gefertigt, laut Bestätigung unserer Zulieferer. Eine Garantie für diese Bestätigungen kann nicht übernommen werden. <i>RoHS compliance data according to manufacturer information. No warranty is granted to the accuracy of the information.</i>	

*Für die betroffenen Produkte generell vorhanden.
*General conformity for the concerned products.

Schutzklassen | protection classes

	Klasse 1, Schutzleiteranschluss (Erdung) <i>class 1, earth wire connection (ground)</i>
	Klasse 2, Schutzisolierung <i>class 2, special insulation</i>
	Klasse 3, Schutzkleinspannung <i>class 3, low-voltage systems</i>

Sonstige Symbole | other symbols

	Ausstrahlung / Ausstrahlwinkel <i>emission / emission angle</i>
	Wattage <i>wattage</i>
	Durchmesser in mm <i>diameter in mm</i>
	Temperatur <i>temperature</i>

Belastbarkeit | mechanical load



Grad der mechanischen Belastbarkeit gemäß EN 50102
degree of protection against mechanical load EN 50102

x = 1	IK01	0,15	Joule
x = 2	IK02	0,20	Joule
x = 3	IK03	0,35	Joule
x = 4	IK04	0,50	Joule
x = 5	IK05	0,70	Joule
x = 6	IK06	1,00	Joule
x = 7	IK07	2,00	Joule
x = 8	IK08	5,00	Joule
x = 9	IK09	10,00	Joule
x = 10	IK10	20,00	Joule



begehrbar
passable by persons



befahrbar
passable by car

Gegensätzliche Anwendungsgebiete von LEDs
opposed application areas from LEDs

