

Betrieb von LED-Retrofit Lampen LED Star Kerze RL-C und Tropfen RL-D mit verschiedenen Dimmern

Legende:

grün

sehr gut dimmbar (bis unter 25% Licht)

gelb

dimmbar (nur bis unter 40% Licht)

rot

dimmen kritisch (Flackern und/oder Geräusche möglich, und/oder nur über 40% Licht)

ohne

nicht geprüft

Radium



T: Phasenabschnittsdimmer
L: Phasenanschnittsdimmer
U: Universaldimmer

| Hersteller | Dimmer-Typ, Modell | Strom-Netz | Lastbereich [W] | Dimm-verfahren |
|-----------------|-------------------------|------------|-----------------|----------------|
| ABB | STD 50-3 | 230/50Hz | 60-500 | L |
| Altenburger | 50,3 | 230/50Hz | | |
| AURORA | DSP 400 | 230/50Hz | 400 | L |
| Berker | 2861 | 230/50Hz | 50-420 | U |
| Bticino | L/N/NT4411NHC/HD/HS4411 | 230/50Hz | | |
| Bticino | L/N/NT4408HC/HD/HS4408 | 230/50Hz | | |
| bticino | NT4402N | 230/50Hz | 500 | R |
| Busch-Jaeger | 6513 U-102 | 230/50Hz | 420 | T |
| Busch-Jaeger | 6523 U-102 | 230/50Hz | 40-420 | T |
| Busch-Jaeger | 2250 U | 230/50Hz | 60-600 | L |
| Busch-Jaeger | 6526 U | 230/50Hz | | |
| CENTURY CONTROL | MULTI DIMMER | 230/50Hz | 60-600 | U |
| DimMax | 420 SL | 230/50Hz | 200 | L/T |
| DINUY | RE EL1 LE1 | 230/50Hz | 400 | LED |
| ELKO | 400GLI | 230/50Hz | | |
| ELKO | 315GLE | 230/50Hz | 20-315 | T |
| ELKO | 600GLE/I | 230/50Hz | | |
| ELKO | 600GLI | 230/50Hz | 40-600 | U |
| ELKO | 420GLE/I | 230/50Hz | 40-420 | U |
| ELKO | 1000LRI | 230/50Hz | | |
| ELKO | 630GLE | 230/50Hz | 20-630 | U |
| Eitako | EUD61NPN-UC | 230/50Hz | 5-400 | R / L / C |
| Feller | 40200.LEDxxx | 230/50Hz | | |
| Feller | 40600 RLC | 230/50Hz | 20-600 | U |
| Feller | 40600.RC | 230/50Hz | | |
| Feller | 40600.RL | 230/50Hz | | |
| Feller | 40420.RLC | 230/50Hz | | |
| Feller | 31000 | 230/50Hz | | |
| GIRA | 226200 | 230/50Hz | | |
| Gira | 030700 | 230/50Hz | 20-525 | T |
| Gira | 117600 | 230/50Hz | 50-420 | U |
| Gira | 238500 | 230/50Hz | | |
| Gira | 217400 | 230/50Hz | 4X20-250 | KNX-U |
| Hager | WUD87 | 230/50Hz | 400 | LED-U |
| Hamilton | KP1X40 | 230/50Hz | 400 | |
| Hugo Müller | paladin 872110 led | 230/50Hz | | |
| Jung | 225 NVDE | 230/50Hz | 20-500 | L |
| Jung | 225 TDE | 230/50Hz | | |
| Jung | 254 UDIE1 | 230/50Hz | | |
| Jung | 1224 LEDUDE | 230/50Hz | | LED |
| Jung | 3904 REGHE | 230/50Hz | | |
| Legrand | 665114 | 230/50Hz | 400 | U |
| Legrand | 574319/574339 | 230/50Hz | 400 | U |
| Legrand | 572239/572739 | 230/50Hz | 400 | U |
| Legrand | 078407/079207 | 230/50Hz | 400 | U |
| Legrand | 048869/048871 | 230/50Hz | 400 | U |
| Legrand | 067083/048869 | 230/50Hz | 400 | U |
| Legrand | 770061 | 230/50Hz | 400 | RL |
| Legrand | 099314 | 230/50Hz | 300 | RL |
| Legrand | 770062 | 230/50Hz | 400 | RLC |
| Legrand | 078405 | 230/50Hz | 600 | RL |
| MASTER | DM-DGL | 230/50Hz | 1000 | U / LED |
| MASTER | DM-2500 | 230/50Hz | 2500 | U / LED |
| Merten | MEG5136-0000 | 230/50Hz | | |
| Merten | MEG5134-0000 | 230/50Hz | | |
| Merten | MEG5139-0000 | 230/50Hz | | |
| Merten | MEG5137-0000 | 230/50Hz | | |
| Merten | MEG5133-0000 | 230/50Hz | | |
| Merten | MEG5138-0000 | 230/50Hz | | |
| Merten | MEG 5170-0300 | 230/50Hz | 10-200 | U |
| Merten | MEG 5131 | 230/50Hz | 40-400 | L |
| Merten | MEG 5132 | 230/50Hz | | |
| Merten | MEG 5140 | 230/50Hz | 9-100 | L |
| Merten | MEG 5135 | 230/50Hz | 60-1000 | L |
| MK | K4501 | 230/50Hz | 180 | L |
| NEXUS | 881P-01 | 230/50Hz | 400 | L |
| NIKO | 310-0190001901 | 230/50Hz | 5-200 | U |
| NIKO | 330-0070000701 | 230/50Hz | 5-200 | U |
| Odace | S520512 | 230/50Hz | | |
| Odace | S520511 | 230/50Hz | | |
| Odace | S520515 | 230/50Hz | | |
| Odace | S520518 | 230/50Hz | | |
| Osram | HTI DALI 315 DIM | 230/50Hz | 20-315 | DALI-T |
| PEHA | 435 HAN | 230/50Hz | 60-600 | L |
| Schneider | 400GLI | 230/50Hz | 40-400 | T |
| Schneider | SBD315RC | 230/50Hz | | |
| Schneider | SBD200LED | 230/50Hz | 400 | |
| Schneider | SBD600RCRL | 230/50Hz | | |

| C40 | | C60 | | D40 | |
|----------|----------|----------|----------|----------|----------|
| 43519229 | | 43518710 | | 4319557 | |
| 43519264 | | | | 43519265 | |
| | | | | | |
| 1 Lampe | 4 Lampen | 1 Lampe | 4 Lampen | 1 Lampe | 4 Lampen |
| 85-3% | 90-0% | 90-0% | 99-0% | 85-3% | 90-0% |
| | | 99-0% | 100-0% | | |
| | | | 94-0% | | |
| 92-2% | 91-2% | 100-0% | 98-0% | 92-2% | 91-2% |
| 100-0% | 99-0% | 86-0% | 94-0% | 100-0% | |
| | 92-0% | 96-0% | 92-0% | | 92-0% |
| | | | | | |
| | 100-0% | 99-0% | 99-0% | | 100-0% |
| | 100-0% | | | | 100-0% |
| | | | 97-0% | | |
| 89-5% | 91-12% | 99-0% | 99-0% | 89-5% | 91-12% |
| 89-0% | 91-0% | 97-0% | 99-0% | 89-0% | 91-0% |
| 100-0% | 100-0% | 100-0% | 100-0% | 100-0% | 100-0% |
| 95-0% | 95-0% | 98-0% | 98-0% | 95-0% | 95-0% |
| | 100-0% | 88-0% | 99-0% | | 100-0% |
| | 100-0% | 98-0% | 100-0% | | 100-0% |
| | 97-0% | | | | 97-0% |
| 74-0% | 91-0% | 93-0% | | 74-0% | 91-0% |
| | 91-0% | 86-0% | 95-0% | | 91-0% |
| 90-0% | 91-0% | 97-0% | 98-0% | 90-0% | 91-0% |
| | 100-0% | 99-0% | 100-0% | | 100-0% |
| 95-0% | 95-0% | 98-0% | 97-0% | 95-0% | 95-0% |
| 91-0% | 93-0% | 100-0% | 100-0% | 91-0% | 93-0% |
| | 97-0% | | | | 97-0% |
| | 100-0% | 99-0% | 100-0% | | 100-0% |
| 74-0% | 91-0% | 93-0% | | 74-0% | 91-0% |
| | 91-0% | 86-0% | 95-0% | | 91-0% |
| 90-0% | 91-0% | 97-0% | 98-0% | 90-0% | 91-0% |
| | | 87-0% | 98-0% | | |
| 100-5% | 100-0% | 99-0% | 100-0% | 100-5% | 100-0% |
| | 92-3% | | | | 92-3% |
| | 92-0% | 99-0% | 99-0% | | 92-0% |
| 91-0% | 93-0% | 97-0% | 96-0% | 91-0% | 93-0% |
| 90-0% | 91-0% | 99-0% | 100-0% | 90-0% | 91-0% |
| 72-0% | | | | 72-0% | |
| 95-0% | 95-0% | 98-0% | 98-0% | 95-0% | 95-0% |
| | | 87-0% | 98-0% | | |
| 100-5% | 100-0% | 99-0% | 100-0% | 100-5% | 100-0% |
| | 92-3% | | | | 92-3% |
| | 92-0% | 99-0% | 99-0% | | 92-0% |
| 91-0% | 93-0% | 97-0% | 96-0% | 91-0% | 93-0% |
| | | 96-0% | 96-0% | | |
| | | 95-0% | | | |
| | 91-0% | 98-0% | 99-0% | | 91-0% |
| | 92-0% | 96-0% | 92-0% | | 92-0% |
| 86-0% | 95-0% | 97-0% | 96-0% | 86-0% | 95-0% |
| 89-0% | 95-0% | 96-0% | 98-0% | 89-0% | 95-0% |
| | 100-0% | 98-0% | 100-0% | | 100-0% |
| 91-0% | 93-0% | 100-0% | 100-0% | 91-0% | 93-0% |
| | 97-0% | | | | 97-0% |
| | 100-0% | 99-0% | 100-0% | | 100-0% |
| 74-0% | 91-0% | 93-0% | | 74-0% | 91-0% |
| | 91-0% | 86-0% | 95-0% | | 91-0% |
| | 91-0% | 99-0% | 100-0% | | 91-0% |
| 72-0% | 91-0% | 92-0% | 97-0% | 72-0% | 91-0% |
| 72-0% | 91-0% | 92-0% | 97-0% | 72-0% | 91-0% |
| | 91-0% | 92-0% | 99-0% | | 91-0% |
| 90-0% | 91-0% | 97-0% | 98-0% | 90-0% | 91-0% |
| 69-0% | | 99-0% | 99-0% | 69-0% | |
| | 92-0% | 94-0% | 99-0% | | 92-0% |
| 95-0% | 95-0% | 96-0% | 98-0% | 95-0% | 95-0% |
| 95-0% | 95-0% | 97-0% | 97-0% | 95-0% | 95-0% |
| 91-0% | 93-0% | 100-0% | 100-0% | 91-0% | 93-0% |
| 74-0% | 91-0% | 93-0% | | 74-0% | 91-0% |
| | 91-0% | 86-0% | 95-0% | | 91-0% |
| | 91-0% | 92-0% | 99-0% | | 91-0% |
| 100-0% | | 98-0% | 100-0% | 100-0% | |
| | 91-0% | 88-0% | 98-0% | | 91-0% |
| | 100-0% | 88-0% | 99-0% | | 100-0% |
| | 100-0% | 98-0% | 100-0% | | 100-0% |
| 91-0% | 93-0% | 100-0% | 100-0% | 91-0% | 93-0% |
| | 97-0% | | | | 97-0% |

Betrieb von LED-Retrofit Lampen LED Star Kerze RL-C und Tropfen RL-D mit verschiedenen Dimmern

Legende:

grün

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ohne

sehr gut dimmbar (bis unter 25% Licht)

dimmbar (nur bis unter 40% Licht)

dimmen kritisch (Flackern und/oder Geräusche möglich, und/oder nur über 40% Licht)

nicht geprüft

Radium

T: Phasenabschnittsdimmer
L: Phasenanschnittsdimmer
U: Universaldimmer

| Hersteller | Dimmer-Typ, Modell | Strom-Netz | Lastbereich [W] | Dimm-verfahren |
|------------|--------------------|------------|-----------------|----------------|
| Schneider | SBD630RC | 230/50Hz | | |
| Schneider | SBD600RL | 230/50Hz | | |
| Schneider | SBD420RCRL | 230/50Hz | | |
| Schneider | 5170 | 230/50Hz | | |
| Schneider | SBD400RL | 230/50Hz | | |
| Schneider | SBDSP1 | 230/50Hz | | |
| Schneider | ATTD1000RL | 230/50Hz | | |
| Shuttle | SDIM-T-LED-500W | 230/50Hz | 2-500 | T & LED-T |
| Siemens | 5TC8 284 | 230/50Hz | 20-525 | T |
| Siemens | 5WG1-528-1AB31 | 230/50Hz | 20-500 | KNX-U |
| VADSBO | LD 220 | 230/50Hz | 1-200 | U |
| VARILIGHT | HQ3W | 230/50Hz | 400 | |
| VARILIGHT | JQP401W | 230/50Hz | 400 | T |
| Vimar | 20135 | 230/50Hz | 3 - 100 | U |
| ZANO | WH401 | 230/50Hz | 400 | L |
| ZANO | WH251 | 230/50Hz | 250 | |
| ZANO | Z GRID 700 | 230/50Hz | 250 | LED |
| ZANO | Z GRID 500 | 230/50Hz | 500 | |

| C40 | | C60 | | D40 | |
|----------|----------|----------|----------|----------|----------|
| 43519229 | | 43518710 | | 4319557 | |
| 43519264 | | | | 43519265 | |
| | | | | | |
| 1 Lampe | 4 Lampen | 1 Lampe | 4 Lampen | 1 Lampe | 4 Lampen |
| | | | | | |
| 74-0% | 100-0% | 99-0% | 100-0% | 74-0% | 100-0% |
| | 91-0% | 93-0% | | | 91-0% |
| | 91-0% | 86-0% | 95-0% | | 91-0% |
| | 91-0% | 99-0% | 100-0% | | 91-0% |
| 72-0% | 91-0% | 92-0% | 97-0% | 72-0% | 91-0% |
| | 91-0% | 92-0% | 99-0% | | 91-0% |
| 90-0% | 91-0% | 97-0% | 98-0% | 90-0% | 91-0% |
| 86-0% | 91-0% | 97-0% | 100-0% | 86-0% | 91-0% |
| | | 96-0% | 100-0% | | |
| 95-0% | 95-0% | 97-0% | 97-0% | 95-0% | 95-0% |
| 91-31% | 91-22% | 97-0% | 100-0% | 91-31% | 91-22% |
| | 89-0% | 100-0% | 100-0% | | 89-0% |
| | | | 97-0% | | |
| 95-0% | 95-0% | 96-0% | 98-0% | 95-0% | 95-0% |
| 91-0% | 91-0% | 92-0% | 99-0% | 91-0% | 91-0% |
| | | | 99-0% | | |
| 92-0% | 92-0% | 100-0% | 99-0% | 92-0% | 92-0% |
| 82-0% | 93-0% | 93-0% | 98-0% | 82-0% | 93-0% |

Typische Werte. Versuche wurden mit entsprechenden Lampen durchgeführt. Die Messungen an den jeweiligen Geräten, die in den Versuchen eingesetzt wurden, zeigen diese Testergebnisse. Radium übernimmt keinerlei Verantwortung, Garantie oder Haftung dafür, dass diese Ergebnisse auch bei Nutzung der Geräte unter anderen (Betriebs-)Bedingungen, mit Nachfolgemodellen der Testgeräte oder anderen Geräten des gleichen Herstellers erreicht werden können. Die Testergebnisse wurden mit der obengenannten Lampentype erzielt.

Radium übernimmt keinerlei Verantwortung, Garantie oder Haftung dafür, dass diese Ergebnisse auch bei Nutzung der Geräte unter anderen (Betriebs-)Bedingungen oder mit anderen LED-Lampen-Typen auch so erreicht werden können.

Aufgrund der verschiedenen elektronischen Komponenten und vieler Einflussfaktoren können unter ungünstigen Bedingungen Geräusche entstehen, die im Resonanzfall deutlich hörbar sind.

Generell wird die Verwendung von Phasen-Abschnitt-Dimmern empfohlen. Diese erfordern bei der Installation einen Neutralleiter.

Änderungen, Irrtümer und Auslassungen vorbehalten.