

# PARATHOM®

## Compatibility Performance with Transformers without Dimmer

Range of lamps to be connected  
for good functionality

For max. number of lamps on a transformer please use the rule of thumb: \*

$$\frac{\text{Max load of transformer}}{\text{halogen equivalent wattage}} = \text{max. number of lamps}$$

Parathom  
MR 11 20

Parathom  
MR 16 20 36°  
adv

Parathom  
MR 16 20 36° &  
24° adv  
Neu

Parathom  
MR 16 35 36° &  
24° adv

Parathom  
MR 16 20

Parathom  
MR 16 35



|               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|
| 4008321975553 | 4008321682611 | 4008321884695 | 4008321884985 | 4052899910409 | 4052899910782 |
| 4008597181238 | 4008321682574 | 4008321884923 | 4008321885135 |               |               |
| 4052899910423 |               | 4008321884756 | 4008321885166 |               |               |
|               |               | 4008321884954 | 4008321885197 |               |               |

| Brand | Model                              |       |       |       |       |       |
|-------|------------------------------------|-------|-------|-------|-------|-------|
| OSRAM | HTM 70/230-240                     |       | 1 - 3 | 1 - 4 | 1 - 4 | 1 - 3 |
| OSRAM | HTM 105/230-240                    | 1 - 4 | 1 - 4 | 1 - 4 | 1 - 4 | 1 - 3 |
| OSRAM | HTM 150/230-240                    |       | 3 - 4 | 2 - 4 | 2 - 4 | 1 - 4 |
| OSRAM | ET-Parrot 70/220-240 I             | 1 - 3 | 1 - 3 | 1 - 4 | 1 - 4 | 1     |
| OSRAM | ET-Parrot 105/220-240              |       | 2 - 4 | 1 - 4 | 1 - 4 | 1 - 4 |
| OSRAM | ET-Parrot 150/220-240              |       |       |       |       |       |
| OSRAM | Hti DALI 105/230-240 DIM           |       |       |       |       |       |
| OSRAM | Hti DALI 150/230-240 DIM           |       |       |       |       |       |
| OSRAM | Hti DALI 315/230-240 (HTM70)       |       |       |       |       |       |
| OSRAM | Hti DALI 315/230-240 (ET-Parrot70) |       |       |       |       |       |
| OSRAM | Hti DALI 315/230-240 (ET-Z60)      |       |       |       |       |       |
| OSRAM | Hti DALI 315/230-240 (ET-A60)      |       |       |       |       |       |
| OSRAM | HTL105/230-240                     |       | 3 - 4 | 2 - 4 | 2 - 4 | 2 - 4 |
| OSRAM | HTL225/230-240                     |       |       | 3 - 4 | 4     |       |
| OSRAM | HTN 75/230-240 I                   | 2 - 4 | 1 - 3 | 1 - 4 | 1 - 4 | 1 - 4 |
| OSRAM | OT 12/220-240/10                   |       | 1     | 1 - 4 | 1 - 4 |       |
| OSRAM | OT 15/220-240/10                   |       | 1     | 1 - 4 | 1 - 2 |       |
| OSRAM | OT 20/220-240/24                   |       | 1     |       |       |       |

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Paratthom  
MR 16 20 36°  
adv

Parathom  
MR 16 20 36° &  
24° adv  
Neu

Parathom  
MR 16 35 36° &  
24° adv

Parathom  
MR 16 20

Parathom  
MR 16 35



|               |               |               |               |               |               |
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| 4008597181238 | 4008321682574 | 4008321884923 | 4008321885135 |               |               |
| 4052899910423 |               | 4008321884756 | 4008321885166 |               |               |
|               |               | 4008321884954 | 4008321885197 |               |               |

| Brand | Model                    | Parathom MR 11 20 | Paratthom MR 16 20 36° adv | Parathom MR 16 20 36° & 24° adv Neu | Parathom MR 16 35 36° & 24° adv | Parathom MR 16 20 | Parathom MR 16 35 |
|-------|--------------------------|-------------------|----------------------------|-------------------------------------|---------------------------------|-------------------|-------------------|
| OSRAM | Ote 18/220-240/24        |                   | 1                          |                                     |                                 |                   |                   |
| OSRAM | OTe 35/220-240/12        |                   | 1                          | 1 - 4                               | 1 - 4                           |                   |                   |
| OSRAM | OT 50/220-240/10         |                   |                            |                                     |                                 |                   |                   |
| OSRAM | OT 75/220-240/24         |                   | 1 - 3                      |                                     |                                 |                   |                   |
| OSRAM | OT 15/12 P               | 1 - 3             | 1 - 2                      | 1 - 3                               | 1 - 2                           | 1 - 3             | 1 - 2             |
| OSRAM | OT 30/12 P               | 1 - 7             | 1 - 5                      | 1 - 7                               | 1 - 4                           | 1 - 7             | 1 - 4             |
| OSRAM | OTe 60/12 E              | 1 - 14            | 1 - 10                     | 1 - 14                              | 1 - 9                           | 1 - 15            | 1 - 9             |
| OSRAM | HTB 70/220-240           | 1 / 3 - 4         | 1 - 3                      | 1 - 4                               | 1 - 4                           |                   | 1 - 4             |
| OSRAM | HTB 105/220-240          | 1 - 4             | 1 - 4                      | 1 - 4                               | 1 - 4                           |                   | 1 - 4             |
| OSRAM | ET-ZE 60/220-240         |                   | 1 - 3                      | 2 - 4                               | 2 - 4                           |                   | 1 - 4             |
| OSRAM | ET-Z 60/220-240 (EN ver) | 1 - 4             | 1 - 3                      | 1 - 4                               | 1 - 4                           | 1 - 3             | 1 - 4             |
| OSRAM | ET-ZL 50/220-240         | 2                 | 1 - 2                      | 2 - 4                               | 2 - 4                           |                   | 1 - 4             |
| OSRAM | ET-MZ 60/110-130         |                   | 3                          | 1 - 4                               | 1 - 4                           |                   |                   |
| OSRAM | ET-C 70/220-240          |                   | 1 - 3                      | 2 - 4                               | 2 - 4                           |                   |                   |
| OSRAM | ET-A 60/220-240          | 1                 | 1 - 3                      | 1 - 4                               | 1 - 4                           | 1 - 3             | 1 - 4             |
| OSRAM | ET-P 60/220-240 (Gen 1)  | 1 - 4             | 2 - 3                      | 1 - 4                               | 1 - 4                           | 1 - 3             | 1 - 4             |
| OSRAM | ET-P 60/220-240 (Gen 2)  |                   | 1 - 3                      | 1 - 4                               | 1 - 4                           |                   |                   |
| OSRAM | TET-E60I/220-240         |                   | 3                          | 2 - 4                               | 2 - 4                           |                   |                   |
| OSRAM | ET-Redback 60/230-240    |                   | 1 - 3                      | 2 - 4                               | 2 - 4                           |                   |                   |
| ABB   | Speedy 50/230-240        |                   |                            |                                     |                                 |                   | 1 - 4             |

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Parathom  
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4052899910423

4008321884756

4008321885166

| Brand      | Model                    | 4008321975553 | 4008321682611 | 4008321884695 | 4008321884985 | 4052899910409 | 4052899910782 |
|------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ABB        | Speedy 105/230-240       |               |               |               |               |               | 1 - 4         |
| abi        | AL50476                  |               |               |               |               |               |               |
| abi        | SET60T-EL AL50460        |               | 1 - 3         |               | 1             |               |               |
| abi        | GET-60T AL50462          |               | 1 - 3         |               |               |               |               |
| abi-AURORA | AU-E60                   |               |               | 1             |               |               |               |
| BATEC      | BT-HA50K                 |               |               |               |               |               |               |
| BEC        | MET50                    |               |               |               |               |               |               |
| Berker     | Igel Tronic Trafo 2921   |               |               | 1             | 1             |               |               |
| Berker     | Tronic Trafo SNT 40-2915 |               |               |               |               |               |               |
| Berker     | SNTF105-297401/230V      |               | 2 - 4         |               |               |               |               |
| Berker     | SNTF II 35-105W 2927     |               | 3 - 4         |               |               |               |               |
| Berker     | SNT 40 2915              |               | 1 - 2         |               |               |               |               |
| Berker     | SNT 70/QO 2918           |               | 1 - 3         |               |               |               |               |
| BLOCK      | HES 70K                  | 1 - 3         |               | 1             | 1             |               |               |
| BLOCK      | HES 105K                 | 1 - 4         |               |               |               |               |               |
| Brumberg   | 54211/220-240V           | 3 - 4         |               |               |               |               | 2 - 4         |
| Brumberg   | 54271/230-240            | 1 - 4         |               |               |               |               |               |

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| 4052899910423 |               | 4008321884756 | 4008321885166 |               |               |
|               |               | 4008321884954 | 4008321885197 |               |               |

Brand Model

Brumberg Trafo 105VA

Busch-Jäger 6575-70/230-240

EVN Clou 60/230-240V

1 – 3

EVN MINIJOKER  
70/230

2 – 3

EVN PD.2/60/230-240

EVN TAB 50(0410)

1 – 2

1

1

EVN TAB 70/230V  
(3310)

1 – 3

FN LIGHT TL105S-  
461107/230-240V

1

Goodbay SET110LV (35-  
110W)

JOM ET-60A

JUHAO JH-ET60A

Jung Tronic Trafo SNT  
105 F

2 – 4

Jung Tronic Trafo SNT  
70 Q

1 – 3

Jung SNT 70 F

2 – 4

Jung SNT40

1 – 2

1

Kopp YT7C/230

Kopp YT70

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| Brand    | Model                |       |   |   |  |
|----------|----------------------|-------|---|---|--|
| KTB      | MBL 120              | 2 – 4 | 1 | 1 |  |
| LONON    | LNDET-50W            |       |   |   |  |
| LUMIA    | DKB-MR50H            |       |   |   |  |
| Marble   | MET-2050A            |       |   |   |  |
| NA       | 100VA                | 1 – 4 |   |   |  |
| NA       | 200VA                |       |   |   |  |
| Nobile   | EN-60D               | 2 – 3 |   | 1 |  |
| Nobile   | EN-80F               | 2 – 4 |   |   |  |
| Nobile   | EN-35R               | 1     | 1 |   |  |
| Nobile   | EN-60D2              | 2 – 3 |   |   |  |
| nVc      | E60E                 |       |   |   |  |
| nVc      | ET60DS               |       |   |   |  |
| nVc      | ET60E                |       |   |   |  |
| Paulmann | Disc electronic S 70 | 1 – 3 |   |   |  |
| Paulmann | Euro S 70            |       |   |   |  |
| Paulmann | Mipro 70             |       |   |   |  |
| Paulmann | Mipro 105            |       |   |   |  |

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4008321884756

4008321885166

4008321884954

4008321885197

Brand Model

Paulmann Profi 50

1 - 2

Paulmann Profi 80

PHILIPS ET-E60

PHILIPS Primaline70/230-240V

1 - 4

3

1 - 4

PHILIPS Primaline105W/230-240

1 - 3

1 - 4

SELF SET60T-EL

1 - 4

SHLY 12V 50W

SLV 461060

1 - 3

1

1

SLV 461310

1

SP ELECTRIC TFE50/12

Spider 60S/240

TCI PUMA 60

1 - 3

1

TCI EF 70

1 - 3

1

TCI PUMA 105

1 - 4

1

1

TCL ET60H

VS Topline EST70/230-240

Vossloh&Schwabe

Liteline EST70

1 - 4

1 - 4



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## Compatibility Performance with Transformers without Dimmer

- The test results reflect the measurement of the individual devices that were used in tests.
- OSRAM does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using successor models of the tested devices or different models of the same manufacturer.
- The test results were achieved by using the above mentioned LED-lamp types. OSRAM does not take over any responsibility, warranty or liability that this results can also be achieved by using the devices under other conditions or when using other LED-lamp types.
- The absence of a transformer from this chart does not necessarily imply incompatibility.
- LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the transformer (harmonics or electronic resonance).
- Subject to change without notice.
- Errors and omission excepted.
- Always make sure to use the most recent release
- The recommended list is based upon testing conducted by the manufacturer in a lab simulated environment and the results can vary in certain field applications due to a number of factors.