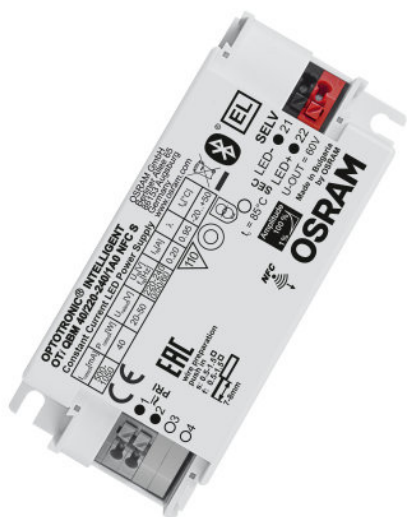


## OTi QBM 40/220...240/1A0 NFC S

OPTOTRONIC Intelligent – Qualified Bluetooth Mesh NFC S | 紧凑型LED恒流驱动电源-调光



### 产品优势

- Versatile QBM window driver due to flexible output characteristic
- Locking and unlocking of programmable features

### 应用领域

- 适用于可灵活设置电流的灯具
- 适用于室内 SELV 设施
- 适用于保护等级 I 和 II 的灯具



产品数据表

技术参数

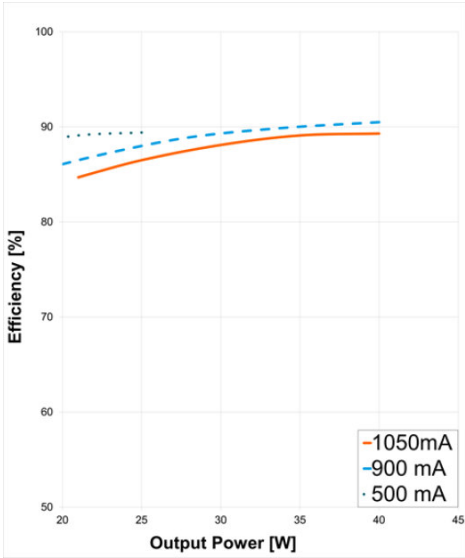
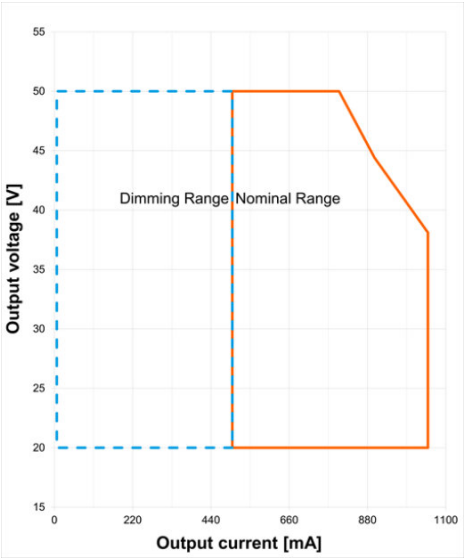
电参数

|                               |                                             |
|-------------------------------|---------------------------------------------|
| 标称电压                          | 220...240 V                                 |
| 市电频率                          | 0,50,60 Hz                                  |
| 交流输入电压                        | 198...264 V <sup>1)</sup>                   |
| 直流输入电压                        | 176...276 V                                 |
| Total harmonic distortion     | < 10 % <sup>2)</sup>                        |
| 功率因数 λ                        | ≥ 095                                       |
| Efficiency in full-load       | 91 % <sup>3)</sup>                          |
| 浪涌电流                          | < 20 安培 <sup>4)</sup>                       |
| 使用10A过载保护器时最大ECG连接数           | 20                                          |
| 16 A 断路器上的 ECG 最大数量           | 30                                          |
| 浪涌承受能力 (L/N-Ground)           | 2 kV                                        |
| 浪涌承受能力 (L-N)                  | 1 kV                                        |
| 标称输出电压                        | 20...50 V <sup>5)</sup>                     |
| U-OUT ( 工作电压 )                | 60 V                                        |
| 标称输出电流                        | 500...1050 毫安 <sup>6)</sup>                 |
| Default output current        | 700 毫安                                      |
| Output current tolerance      | ±5 %                                        |
| 输出纹波电流 ( 100 Hz)              | < 5 % <sup>7)</sup>                         |
| Output PSTLM                  | ≤1                                          |
| Output SVM                    | ≤0.4                                        |
| 标称输出功率                        | 40 W <sup>8)</sup>                          |
| Maximum output power          | 40 W                                        |
| Current set                   | NFC                                         |
| Radio frequency               | 2.4 GHz                                     |
| Maximum TX power              | +4 dBm <sup>9)</sup>                        |
| Wireless protocol             | Qualified Bluetooth mesh enabled by Silvair |
| Wireless range                | 10 m line of sight                          |
| 待机模式功耗                        | <0.15 W                                     |
| 初级/次级电气隔离                     | SELV                                        |
| Networked standby power [PIM] | <0.22 W <sup>3)</sup>                       |

1) 允许电压范围  
2) At full load, 220...240 V, 50 Hz / see graphs  
3) at 230 V, 50 Hz  
4) 位宽 = 200µs (在50%电流峰值处测得)  
5) 最大 60 V  
6) ±5%  
7) Ripple average at 100 Hz

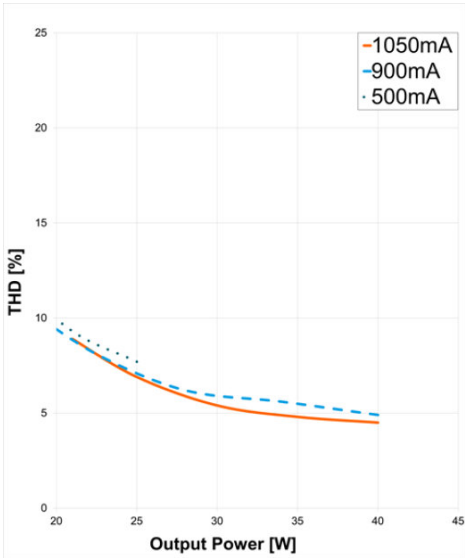
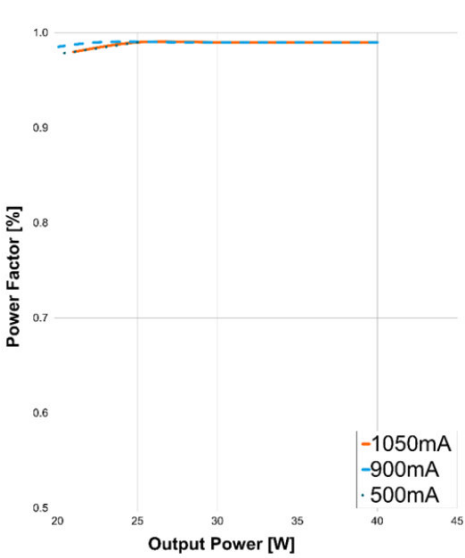
产品数据表

- 8) Partial load 20...40 W
- 9) 2,512 mW



OTI QBM DALI 40 Operating Window

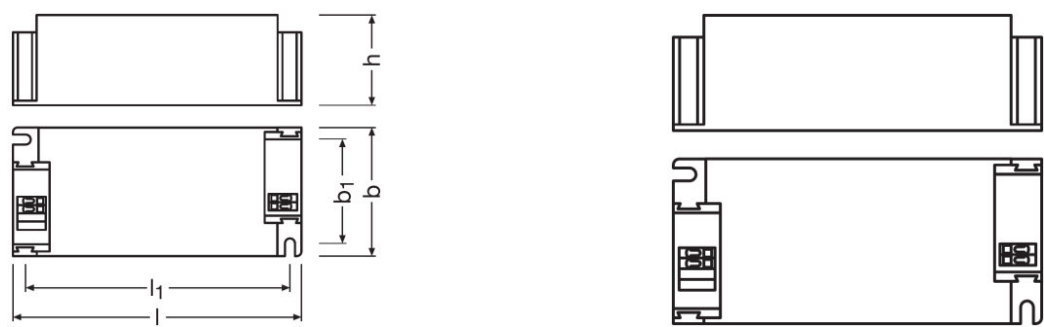
OTI QBM DALI 40 Typical Efficiency vs. Load



OTI QBM DALI 40 Typical Power Factor vs. Load

OTI QBM DALI 40 Typical THD Vs Load

尺寸和重量



|             |                                         |
|-------------|-----------------------------------------|
| 安装孔距, 长度    | 88.0 mm                                 |
| 安装孔距, 宽度    | 34.0 mm                                 |
| 产品重量        | 12000 g                                 |
| 输入端线缆截面     | 0.5...1.5 mm <sup>2</sup> <sup>1)</sup> |
| 电缆截面积, 输出端  | 0.5...1.5 mm <sup>2</sup> <sup>1)</sup> |
| 预留线缆长度, 输入端 | 7...8 mm                                |
| 预留线缆长度, 输出端 | 7...8 mm                                |
| 长度          | 970 mm                                  |
| 宽度          | 430 mm                                  |
| 高度          | 295 mm                                  |

<sup>1)</sup> 固态或软导线

颜色和材料

|      |    |
|------|----|
| 壳体材料 | 塑料 |
|------|----|

温度

|             |                        |
|-------------|------------------------|
| 环境温度范围      | -20...+50 °C           |
| 相对湿度        | 5...85 % <sup>1)</sup> |
| 仓储温度范围      | -25...85 °C            |
| 故障时最高外壳温度   | 110 °C                 |
| 温度系数测试点最高温度 | 85 °C <sup>2)</sup>    |

<sup>1)</sup> 在85%的相对湿度下最多工作56天/年

<sup>2)</sup> T<sub>c</sub>温度点的最大值

寿命

|        |                                |
|--------|--------------------------------|
| ECG 寿命 | 50000 / 100000 h <sup>1)</sup> |
|--------|--------------------------------|

<sup>1)</sup> T<sub>c</sub> = 85°C, 0.2% / 1,000 h failure rate / T<sub>c</sub> = 75°C, 0.1% / 1,000 h failure rate

产品数据表

功能

|                                |                                     |
|--------------------------------|-------------------------------------|
| 可调光                            | 是                                   |
| 调光界面                           | Qualified Bluetooth mesh by Silvair |
| 调光范围                           | 1...100 %                           |
| 调光方式                           | Amplitude Modulation                |
| 过热保护                           | 自动可逆                                |
| 过载保护                           | 自动可逆                                |
| Short-circuit protection       | 自动可逆                                |
| 标准空载符合                         | 是                                   |
| Intended for no-load operation | 否                                   |
| 至灯/LED 模块的最大电缆长度               | 2.0 m <sup>1)</sup>                 |
| 适合带防护等级的固件                     | I / II                              |
| 连接件类型，输入端                      | 按键式端子                               |
| 连接件类型，输出端                      | 按键式端子                               |
| 适用于直通连接                        | 否                                   |
| 适用于应急照明                        | 是                                   |
| 恒定流明功能                         | 可编程                                 |
| Programming interface          | NFC                                 |
| Reset                          | Manual <sup>2)</sup>                |
| Number of channels             | 1                                   |
| DALI-2 Energy Data             | 否                                   |
| DALI-2 Diagnostic Data         | 否                                   |

1) Output wires must be routed as close as possible to each other

2) see additional product information

Programming

|                        |     |
|------------------------|-----|
| Box programming        | Yes |
| Tuner4TRONIC           | 是   |
| Tuner4TRONIC Field App | 是   |
| Programming device     | NFC |

Programmable features

|                |   |
|----------------|---|
| Emergency Mode | 是 |
|----------------|---|

认证与标准

|           |                             |
|-----------|-----------------------------|
| 认证标志 - 认证 | CE / EL / EAC <sup>1)</sup> |
|-----------|-----------------------------|

产品数据表

|      |                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 标准   | 根据 EN 61347-1标准/根据 EN 61347-2-13标准/根据 EN 55015标准/根据 EN 61547标准/根据 EN 61000-3-2标准/根据 EN 62384标准/Acc. to EN 62479/Acc. to ETSI EN 300 328/Acc. to ETSI EN 301 489-17/Acc. to ETSI EN 301 489 - 1 |
| 防护等级 | II                                                                                                                                                                                             |
| 防护类型 | IP20                                                                                                                                                                                           |

1) In preparation

物流数据

|      |              |
|------|--------------|
| 商品编码 | 850440959000 |
|------|--------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                                                                                    |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Date of Declaration                                                   | 18-10-2022                                                                                         |
| Primary Article Identifier                                            | 4062172110167                                                                                      |
| Candidate List Substance 1                                            | Lead                                                                                               |
| CAS No. of substance 1                                                | 7439-92-1                                                                                          |
| Safe Use Instruction                                                  | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| Declaration No. in SCIP database                                      | 4816957a-af81-45f0-8a0b-5c495533d1ae                                                               |

数据表文本

- By integrating the device into a casing the wireless range could be affected, in particular by metal surfaces. Therefore, the wireless range needs to be verified after integration.
- The device has passed successfully the SILVAIR Testing process.
- The device can be put into operation using the OSRAM HubSense Commissioning Tool (<https://platform.hubsense.eu>), subject to prior acceptance of the Terms of Use and the Privacy Policy.
- OSRAM may terminate or suspend the use of the HubSense Commissioning Tool at any time and for any or no reason in its sole discretion, even if access and use is continued to be allowed to others.
- The device complies with Bluetooth mesh Standard v1.0. It can also be used in 3rd party Bluetooth mesh network, that complies with this standard and that supports the mesh models of this device, and with certain 3rd party commissioning tools, that support the mesh models of this device. In order to ensure correct interoperability a verification with the 3rd party network components and the 3rd party commissioning tool is necessary in advance. Please contact OSRAM ([support@hubsense.eu](mailto:support@hubsense.eu)) to receive the actual list of supported models for this device.
- OSRAM shall have no liability for any 3rd party commissioning tool and does not make any representations, express or implied, about the availability and/or performance of such commissioning tool.
- OSRAM shall have no liability for and does not make any representations, express or implied, about the connectivity of OSRAM QBM products with any other products, that have passed the SILVAIR Testing process.
- Reset to factory setting: (1) Power off device and disconnect from mains, apply short circuit between LED+ and LED-, (2) connect device to mains and power on for at least 2 seconds, (3) power off device, disconnect from mains and remove short circuit. Reset completed.

产品数据表

下载数据

| 文件                                                                                  |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
|    | User instruction<br>OPTOTRONIC LED Power Supply |
|    | User instruction<br>OPTOTRONIC LED Power Supply |
|    | 证书<br>OTi QBM NFC S I UK DoC 4281118 110222     |
|    | 证书<br>OT ENEC 40038447 260623                   |
|    | 证书<br>OT EMC 40044675 031022                    |
|    | 统一宣言<br>OTi QBM NFC S I CE 4200206 110222       |
|    | CAD数据<br>OTi QBM NFC S IGS 140220               |
|    | CAD数据<br>OTi QBM NFC S STEP 140220              |
|  | CAD数据2<br>OTi QBM NFC S CAD2PDF 140220          |
|  | CAD数据3<br>OTi QBM NFC S CAD3PDF 140220          |

Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

物流数据

| 产品代码          | 产品描述                              | 包装单位 ( 件/单位 ) | 尺寸 ( 长 x 宽 x 高 )         | 体积                   | 毛重        |
|---------------|-----------------------------------|---------------|--------------------------|----------------------|-----------|
| 4062172110167 | OTi QBM<br>40/220...240/1A0 NFC S | 箱<br>20       | 209 mm x 158 mm x 107 mm | 3.53 dm <sup>3</sup> | 2515.00 g |

这里所提到的产品编码代表最小订购数量。一个整件包装含有一个或多个单一产品。请您在下单时，按一个或多个整件数下单。

免责声明

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.