



**The most affordable  
LED panel delivering  
comfortable light with  
excellent uniformity.  
Slimmer than its  
predecessor, it is  
durable, energy  
efficient and with 3  
years warranty**

### **SmartBright Direct Panel G2**

The new Philips Smartbright Direct panel offers exceptional value. It is Perfect for your everyday ceiling lighting installations. It is available in 2 standard sizes and 2 different CCT options to suit your need.

#### **Benefits**

- 30K hrs, 3 year warranty
- Flicker Free – Ripple  $\leq 5\%$
- CRI 80

## SmartBright Direct Panel G2

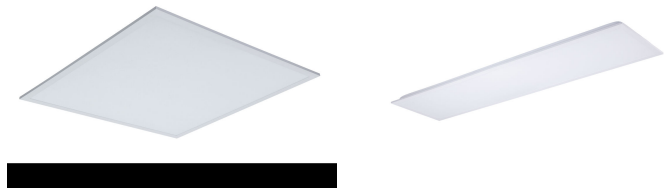
### Features

- 30K hrs, 3 years warranty
- Suitable for different mounting applications: Recessed, PCV, Suspension
- CRI 80
- SDCM  $\leq 5$
- Surge protection: 1KV/0.5KV

### Application

- Offices
- Hospitality
- Fashion

### Versions



Smart Bright direct Panel RC048B

|                                              |                                   |
|----------------------------------------------|-----------------------------------|
| -                                            |                                   |
| Driver failure rate at 5000 h                | 0.0006 %                          |
| <b>Application Conditions</b>                |                                   |
| Ambient temperature range                    | -10 to +40 °C                     |
| Maximum dim level                            | Not applicable                    |
| <b>Approval and Application</b>              |                                   |
| Mech. impact protection code                 | IK02                              |
| Ingress protection code                      | IP20                              |
| <b>Controls and Dimming</b>                  |                                   |
| Dimmable                                     | No                                |
| <b>General Information</b>                   |                                   |
| Beam angle of light source                   | 120 °                             |
| CE mark                                      | CE mark                           |
| Protection class IEC                         | Safety class II                   |
| Driver included                              | Yes                               |
| ENEC mark                                    | -                                 |
| Flammability mark                            | -                                 |
| Glow-wire test                               | Temperature 650 °C, duration 30 s |
| Light source replaceable                     | No                                |
| Number of gear units                         | 1 unit                            |
| <b>Initial Performance (IEC Compliant)</b>   |                                   |
| Initial LED luminaire efficacy               | 88 lm/W                           |
| Initial luminous flux                        | 3200 lm                           |
| Luminous flux tolerance                      | +/-10%                            |
| Initial input power                          | 36 W                              |
| <b>Mechanical and Housing</b>                |                                   |
| Color                                        | White                             |
| <b>Over Time Performance (IEC Compliant)</b> |                                   |
| Median useful life L80B50                    | 22000 h                           |
| Median useful life L90B50                    | 10000 h                           |

## Operating and Electrical

| Order Code   | Full Product Name                        | Input Voltage |
|--------------|------------------------------------------|---------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM      | 230 to 240 V  |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM      | 230 to 240 V  |
| 911401838580 | RC048B LED32S/840 PSU W60L60 NOC GC      | 230 to 240 V  |
| 911401838680 | RC048B LED32S/865 PSU W60L60 NOC GC      | 230 to 240 V  |
| 911401839180 | RC048B LED32S/840 PSU W60L60 NOC CPC GC  | 230 to 240 V  |
| 911401839280 | RC048B LED32S/865 PSU W60L60 NOC CPC GC  | 230 to 240 V  |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM     | 220 to 240 V  |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM     | 220 to 240 V  |
| 911401838780 | RC048B LED32S/840 PSU W30L120 NOC GC     | 220 to 240 V  |
| 911401838880 | RC048B LED32S/865 PSU W30L120 NOC GC     | 220 to 240 V  |
| 911401838980 | RC048B LED32S/840 PSU W30L120 NOC CPC GC | 220 to 240 V  |
| 911401839080 | RC048B LED32S/865 PSU W30L120 NOC CPC GC | 220 to 240 V  |

## General Information

| Order Code   | Full Product Name                       | Optical cover/lens type          | Optic type |
|--------------|-----------------------------------------|----------------------------------|------------|
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM     | Polystyrene bowl/cover prismatic | -          |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM     | Polystyrene bowl/cover prismatic | -          |
| 911401838580 | RC048B LED32S/840 PSU W60L60 NOC GC     | Polystyrene bowl/cover prismatic | -          |
| 911401838680 | RC048B LED32S/865 PSU W60L60 NOC GC     | Polystyrene bowl/cover prismatic | -          |
| 911401839180 | RC048B LED32S/840 PSU W60L60 NOC CPC GC | Polystyrene bowl/cover prismatic | -          |

| Order Code   | Full Product Name                       | Optical cover/lens type          | Optic type      |
|--------------|-----------------------------------------|----------------------------------|-----------------|
| 911401839280 | RC048B LED32S/865 PSU W60L60 NOC CPC GC | Polystyrene bowl/cover prismatic | -               |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM    | Opal                             | Beam angle 120° |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM    | Opal                             | Beam angle 120° |
| 911401838780 | RC048B LED32S/840 PSU W30L120 NOC GC    | Opal                             | Beam angle 120° |
| 911401838880 | RC048B LED32S/865 PSU W30L120 NOC GC    | Opal                             | Beam angle 120° |

## SmartBright Direct Panel G2

| Order Code   | Full Product Name     | Optical cover/lens |            |
|--------------|-----------------------|--------------------|------------|
|              |                       | type               | Optic type |
| 911401838980 | RC048B LED32S/840 PSU | Opal               | Beam angle |
|              | W30L120 NOC CPC GC    |                    | 120°       |

| Order Code   | Full Product Name     | Optical cover/lens |            |
|--------------|-----------------------|--------------------|------------|
|              |                       | type               | Optic type |
| 911401839080 | RC048B LED32S/865 PSU | Opal               | Beam angle |
|              | W30L120 NOC CPC GC    |                    | 120°       |

### Initial Performance (IEC Compliant)

| Order Code   | Full Product Name                       | Initial             | Init. Corr. Color | Init. Color     |
|--------------|-----------------------------------------|---------------------|-------------------|-----------------|
|              |                                         | chromaticity        | Temperature       | Rendering Index |
| 911401807880 | RC048B LED32S/840 PSU W60L60 NOC GM     | 0.382;0.38          | 4000 K            | >80             |
| 911401807980 | RC048B LED32S/865 PSU W60L60 NOC GM     | 0.312;0.328         | 6500 K            | >80             |
| 911401838580 | RC048B LED32S/840 PSU W60L60 NOC GC     | 0.382;0.38          | 4000 K            | >80             |
| 911401838680 | RC048B LED32S/865 PSU W60L60 NOC GC     | 0.312;0.328         | 6500 K            | >80             |
| 911401839180 | RC048B LED32S/840 PSU W60L60 NOC CPC GC | 0.382;0.38          | 4000 K            | >80             |
| 911401839280 | RC048B LED32S/865 PSU W60L60 NOC CPC GC | 0.312;0.328         | 6500 K            | >80             |
| 911401837680 | RC048B LED32S/840 PSU W30L120 NOC GM    | (0.382;0.38) SDCM≤5 | 4000 K            | ≥80             |

| Order Code   | Full Product Name                        | Initial              | Init. Corr. Color | Init. Color     |
|--------------|------------------------------------------|----------------------|-------------------|-----------------|
|              |                                          | chromaticity         | Temperature       | Rendering Index |
| 911401837780 | RC048B LED32S/865 PSU W30L120 NOC GM     | (0.312;0.328) SDCM≤5 | 6500 K            | ≥80             |
| 911401838780 | RC048B LED32S/840 PSU W30L120 NOC GC     | (0.382;0.38) SDCM≤5  | 4000 K            | ≥80             |
| 911401838880 | RC048B LED32S/865 PSU W30L120 NOC GC     | (0.312;0.328) SDCM≤5 | 6500 K            | ≥80             |
| 911401838980 | RC048B LED32S/840 PSU W30L120 NOC CPC GC | (0.382;0.38) SDCM≤5  | 4000 K            | ≥80             |
| 911401839080 | RC048B LED32S/865 PSU W30L120 NOC CPC GC | (0.312;0.328) SDCM≤5 | 6500 K            | ≥80             |



# Smartbright Direct Panel

## RC048B

### Mounting Instruction/Petunjuk Instalasi

V1.0

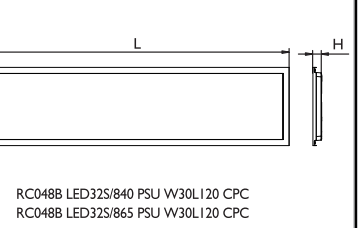
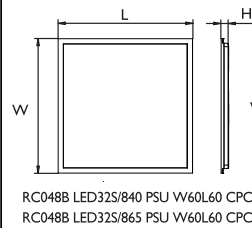
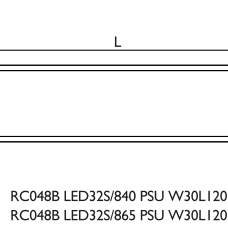
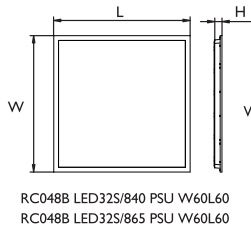
IEC  
60598

IP20

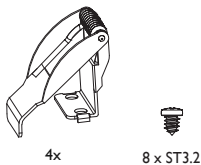
ta25°C



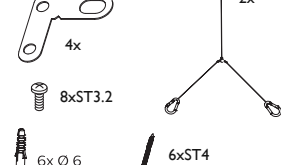
| Type/ Tipe                        | Dimension /Dimensi<br>LxWxH (mm) | LEDs | CCT (K) | Power(W) /Daya | Lumen Output (lm)<br>/Lumen keluaran | Voltage /Tegangan | Frequency<br>/Frekuensi | kg  |
|-----------------------------------|----------------------------------|------|---------|----------------|--------------------------------------|-------------------|-------------------------|-----|
| RC048B LED32S/840 PSU W60L60      | 595x595x34                       | 42   | 4000    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.8 |
| RC048B LED32S/865 PSU W60L60      | 595x595x34                       | 42   | 6500    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.8 |
| RC048B LED32S/840 PSU W30L120     | 295x1195x34                      | 42   | 4000    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.8 |
| RC048B LED32S/865 PSU W30L120     | 295x1195x34                      | 42   | 6500    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.8 |
| RC048B LED32S/840 PSU W60L60 CPC  | 600x600x34                       | 42   | 4000    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.9 |
| RC048B LED32S/865 PSU W60L60 CPC  | 600x600x34                       | 42   | 6500    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.9 |
| RC048B LED32S/840 PSU W30L120 CPC | 300x1200x34                      | 42   | 4000    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.9 |
| RC048B LED32S/865 PSU W30L120 CPC | 300x1200x34                      | 42   | 6500    | 36W            | 3200lm                               | 220-240V~         | 50/60Hz                 | 1.9 |



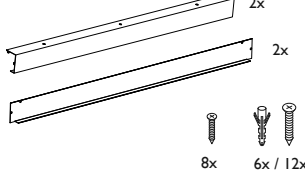
Plaster ceiling set  
911401824580  
RC048Z SMB-PLC



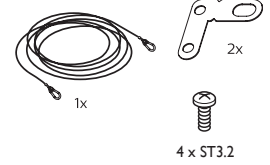
Suspension set  
911401824680  
RC048Z SME-2



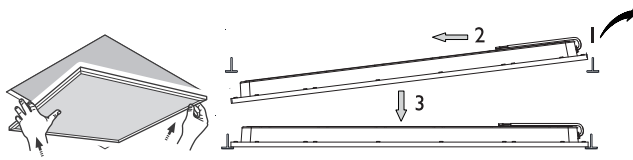
Surface mounted set  
911401724282 RC091Z  
SMB-297x1197



Safety cable  
911401824780  
RC048Z SC



#### A Visible Profile Ceiling Mounting(VPC) Tipe pemasangan plafon terbuka

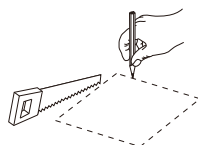


#### B Concealed Profile Ceiling (CPC) Tipe pemasangan plafon tertutup

Unit : mm

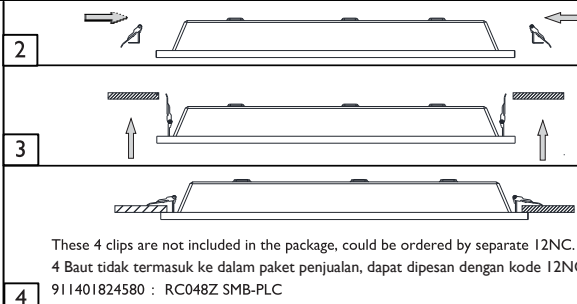


#### C Plaster Ceiling Version Mounting (PCV) Pemasangan versi plafon dengan plester



Cutout size/Ukuran potong :  
W60L60 : 580x580 (+/-2)  
W30L120 : 280x1180 (+/-2)  
Ceiling thickness/Ketebalan plafon :  
8mm-16mm

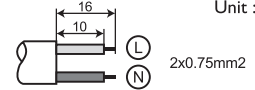
Unit : mm



These 4 clips are not included in the package, could be ordered by separate 12NC.  
4 Baut tidak termasuk ke dalam paket penjualan, dapat dipesan dengan kode 12NC terpisah.  
911401824580 : RC048Z SMB-PLC

#### Wiring Method/Metode pemasangan kabel

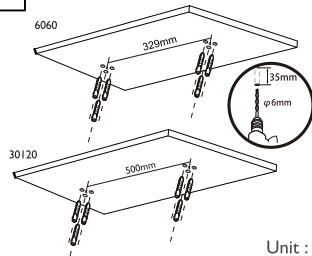
Unit : mm



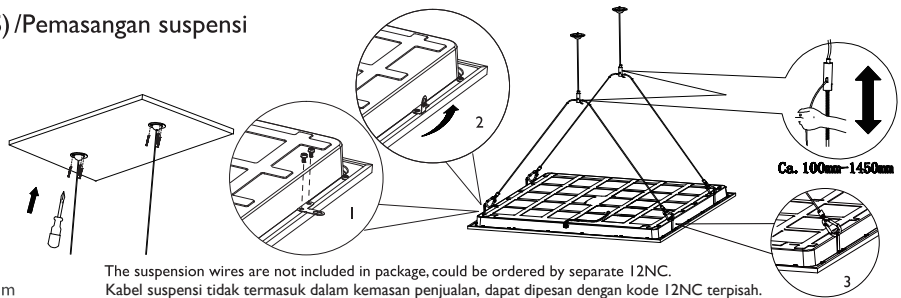
N: Blue/Biru L: Brown/Coklat

Please use IP20 or higher terminal box (Dimension should be 10x20x25 or higher.) It is not included in package.  
Mohon gunakan kotak terminal dengan IP20 atau lebih tinggi (dimensi harus 10x20x25 atau lebih besar) tidak termasuk dalam kemasan

#### D Suspension Mounting (SUS)/Pemasangan suspensi



Unit : mm



The suspension wires are not included in package, could be ordered by separate 12NC.  
Kabel suspensi tidak termasuk dalam kemasan penjualan, dapat dipesan dengan kode 12NC terpisah.  
911401824680 : RC048Z SME-2

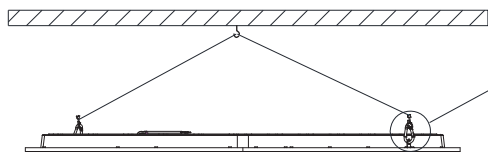
Signify Luminaires (Shanghai) Co., Ltd.  
Address: 2F, Building 6, No. 1805, Huyi Highway,  
Malu Town, Jiading District, Shanghai, P.R. China  
Postal code: 201801

# PHILIPS

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# E

## Safety cable/Kawat pengaman



The product should install safety cable (Safety cable is not included.) could be ordered by separate I2NC. Produk harus dipasang dengan kawat pengaman (termasuk tipe pemasangan A & B) (kawat pengaman tidak termasuk dalam kemasan), dapat dipesan dengan kode I2NC terpisah.  
911401824780 : RC048Z SC

Please read this manual carefully before using the product.

1. For indoor use only.
2. Do not switch on before completing the installation.
3. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
4. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
5. The luminaire shall not be covered with thermal insulation or similar material under any circumstance.
6. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
7. The luminaire is complied with IEC 60598.
8. The corrosive atmosphere or hazardous materials such as sulfur, chlorine, phthalate, etc. must be avoided during the use and storage.

### EN

### ID

Bacalah petunjuk pemasangan secara teliti sebelum menggunakan produk.

1. Hanya untuk penggunaan di dalam ruangan.
2. Jangan dinyalakan sebelum pemasangan selesai.
3. Rumah lampu sebaiknya dipasang oleh pihak yang mengerti kelistrikan dengan pengaturan kabel yang sesuai dengan regulasi listrik IEE atau regulasi nasional.
4. Kabel fleksibel eksternal atau kabel lumener ini tidak bisa digantikan dengan yang baru; jika kabel rusak, maka lumener akan rusak juga.
5. Rumah lampu tidak boleh tertutup oleh material penahan panas atau sejenisnya dalam keadaan apapun.
6. Bagian penghasil cahaya pada lumener ini tidak dapat diganti; ketika bagian ini mencapai masa penggunaannya, maka keseluruhan lumener harus diganti.
7. Rumah lampu ini memenuhi regulasi IEC 60598.
8. Lumener tidak boleh digunakan atau disimpan di dalam lingkungan korosif yang mengandung unsur bahan berbahaya seperti Sulfur , Chlorine , phthalates , dll..

Trước khi sử dụng sản phẩm, vui lòng đọc hướng dẫn này một cách cẩn thận.

### VN

1. Chỉ sử dụng trong nhà.
2. Không được bật trước khi hoàn thành lắp đặt.
3. Đèn phải được lắp đặt bởi thợ điện lành nghề và được nối dây theo qui định IEE mới nhất về điện hay các yêu cầu quốc gia khác.
4. Không được thay thế dây cáp nguồn gắn theo đèn; nếu dây bị hỏng, không được sử dụng đèn mà cần loại bỏ.
5. Không phủ vật liệu cách nhiệt hay vật liệu tương tự lên bộ đèn trong bất kỳ hoàn cảnh nào.
6. Nguồn sáng của đèn là không thể thay thế; khi nguồn sáng hết tuổi thọ thì toàn bộ đèn phải được thay thế.
7. Đèn này tuân theo qui định IEC 60598.
8. Không sử dụng hay cất giữ bộ đèn trong môi trường có tính ăn mòn, nơi có vật liệu nguy hiểm như lưu huỳnh, clo,...

โปรดอ่านทำความเข้าใจกับคู่มือก่อนการใช้งาน

### TH

1. ใช้ภายในอาคารเท่านั้น
2. ห้ามเปิดสวิตช์ไฟ หรือจ่ายไฟก่อนติดตั้งเสร็จ
3. ควรติดตั้งโดยช่างไฟฟ้า ซึ่งเป็นไปตามมาตรฐานไฟฟ้า IEE หรือมาตรฐานสากล
4. หากสายไฟที่มาพร้อมโคมเก่าชำรุด ไม่ควรซ่อม ควรเปลี่ยนใหม่เพื่อความปลอดภัย
5. ไม่ควรนำฉนวนป้องกันอุณหภูมิ หรือวัสดุที่คล้ายกันวางหรือครอบตัวโคม
6. โคมไฟหากเสียหายเนื่องจากอายุการใช้งาน ไม่สามารถซ่อมได้ ควรที่จะเปลี่ยนใหม่
7. โคมไฟรุ่นนี้ เป็นไปตามมาตรฐานสากล IEC60598
8. โคมไฟต้องไม่ถูกติดตั้ง หรือจัดเก็บในสภาพแวดล้อมที่มีสารพิษ หรือสารที่มีเคมีกัดกร่อน เช่น กำมะถัน คลอรีน หรือ ฟอสฟอรัส (สารเคมีผลิตภัณฑ์ทำความสะอาด)



يرجى قراءة هذه التعليمات بدقة قبل استخدام المنتج

١. للاستخدام الداخلي فقط

٢. لا تشغيل قبل الانتهاء من التركيب

٣. والمتطلبات المحلية IEE يجب تركيب القابوس من قبل فني مؤهل وفقا

٤. لا يمكن استبدال الكابل الخارجي المرن لهذا القابوس . يجب اتلاف القابوس في حالة تضرر الكابل

٥. تحت أي ظرف من الظروف لا يجب تغطية القابوس بمادة عازله أو مادة شبيهه

٦. مصدر إضاءة القابوس غير قابل للتغيير عندما يصل مصدر الإضاءة لنهاية فترة عمره يتم تغيير القابوس بالكامل

٧. IEC 60598-1 ed. 8 القابوس يتوافق مع

٨. يجب عدم استخدام الكشاف أو تخزينه في بيئة تسبب الأكسدة إثر تواجد مواد خطرة مثل الكبريت أو الكلور أو الفلوات و غيرها

### AR

### EN

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

### ID

Simbol di samping menunjukkan bahwa produk ini tidak boleh dibuang bersama dengan limbah rumah tangga lainnya di seluruh wilayah Uni Eropa. Untuk mencegah bahaya kerusakan lingkungan atau kesehatan manusia dari pembuangan limbah yang tidak terkendali, lakukan daur ulang secara bertanggungjawab dalam rangka terus mempromosikan penggunaan kembali bahan tak terpakai. Untuk mengembalikan produk bekas pakai, silakan gunakan sistem layanan pengumpulan dan pengembalian yang tersedia atau hubungi toko tempat anda membeli produk ini. Pihak toko bersedia mengambil produk bekas pakai untuk mendukung kegiatan daur-ulang yang aman. Dấu hiệu này thể hiện sản phẩm này không nên được xử lý chung với các chất thải gia đình khác trong khu vực liên minh Châu Âu. Để ngăn ngừa tác hại có thể có cho môi trường hoặc sức khỏe con người từ chất thải không kiểm soát được, hãy tái chế một cách có trách nhiệm để thúc đẩy việc tái sử dụng bền vững các nguồn tài nguyên.

### VN

### TH

เครื่องหมายสัญลักษณ์ที่ระบุว่าคุณค่าสินค้านี้ไม่สามารถทิ้งได้เหมือนขยะทั่วไปได้ เพื่อที่จะป้องกันการเกิดอันตรายต่อสภาพแวดล้อมและสุขภาพของมนุษย์จากขยะที่ไม่สามารถควบคุมได้จากขยะมีพิษ การนำมารีไซเคิลอย่างมีความรับผิดชอบเพื่อที่จะช่วยส่งเสริมการนำใช้ใหม่ ในการคืนสินค้าที่ใช้แล้ว ให้ส่งกลับหรือ ติดต่อร้านค้าที่ลูกค้าซื้อมา รันค้าจะนำไปกำจัด หรือ นำไปรีไซเคิลอย่างถูกต้องเอง

### AR

هذه العلامة تشير إلى أن هذا المنتج لا ينبغي التخلص منه مع النفايات المنزلية الأخرى في جميع أنحاء الاتحاد الأوروبي. لمنع أي ضرر ممكن بالبيئة أو بصحة الإنسان من التخلص غير المنضبط من النفايات، إعادة تدويره بشكل مسؤول لتشجيع إعادة استخدام موارد الخسائر. لإعادة جهازك المستخدم، يرجى استخدام نظم "الإعادة والتجميع أو الاتصال بمتاجر التجزئة حيث تم شراء المنتج. ويمكن أن يأخذ هذا المنتج لإعادة التدوير البيئي الآمن".

