



# Ultra efficient and peace of mind

## GreenPerform ultra efficient panel RC199B

GreenPerform ultra efficient panel is a direct lit panel with up to 170lm/w system efficacy (PSU driver) in the market. It offers 3 typical dimensions: 600x600; 300x1200 and 600x1200mm to fit most of indoor applications. Interact system option and Dali interface are available for wide option for system connection. Its lower UGR offers better visual comfort as well.

### Benefits

- Ultra efficient lm/w provides better energy saving
- Interact and Dali interfaces available for easy system connection
- Lower UGR offer for better visual comfort
- Multiple mountings to cater for various applications

### Features

- System efficacy up to 170lm/W (PSU driver / CRI80 / UGR22 version only)
- CRI 80 and 90 available
- Lifetime: 50k hours (L80@25deg)
- UGR19 available for certain types
- IP40 front side/IP20 back side available

### Application

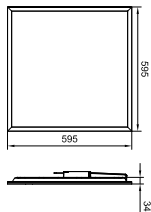
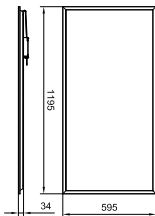
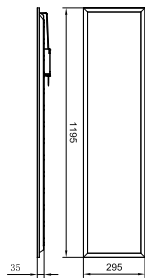
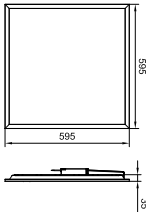
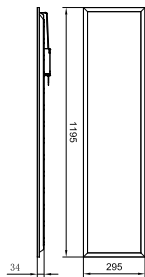
- Open plan office
- Public indoor area
- Meeting/Training room

### Specifications

|              |               |         |                   |
|--------------|---------------|---------|-------------------|
| Ceiling type | T-bar ceiling | Dimming | PSD Dali dimmable |
|--------------|---------------|---------|-------------------|

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Dimensional drawing



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| General Information                 |                                   |
|-------------------------------------|-----------------------------------|
| Driver included                     | Yes                               |
| Gear                                | -                                 |
| Number of gear units                | 1 unit                            |
| Light Technical                     |                                   |
| Correlated Color Temperature (Nom)  | 4000 K                            |
| Optic type                          | Beam angle 100°                   |
| Operating and Electrical            |                                   |
| Protection class IEC                | Safety class II                   |
| Input Voltage                       | 200 to 240 V                      |
| Line Frequency                      | 50 to 60 Hz                       |
| Suitable for random switching       | Not applicable                    |
| Controls and Dimming                |                                   |
| Maximum dim level                   | 0% (digital)                      |
| Mechanical and Housing              |                                   |
| Optical cover type                  | PS                                |
| Housing Color                       | White RAL 9003                    |
| Mech. impact protection code        | IK02                              |
| Ingress protection code             | IP20/40                           |
| Approval and Application            |                                   |
| Ambient temperature range           | -20 to +45 °C                     |
| CE mark                             | Yes                               |
| ENEC mark                           | -                                 |
| Flammability mark                   | -                                 |
| Glow-wire test                      | Temperature 650 °C, duration 30 s |
| Initial Performance (IEC Compliant) |                                   |
| Luminous flux tolerance             | +/-10%                            |

Light Technical

| Order Code   | Full Product Name                     | Color rendering | Luminous Efficacy | Luminous Flux | Number of light sources |
|--------------|---------------------------------------|-----------------|-------------------|---------------|-------------------------|
|              |                                       | index (CRI)     | (rated) (Nom)     |               |                         |
| 911401546744 | RC199V LED36/840 PSU<br>W60L60 OC UE  | 80              | 170 lm/W          | 3,900 lm      | 96                      |
| 911401547044 | RC199V LED39/840 PSU<br>W60L60 UE     | 80              | 162 lm/W          | 3,750 lm      | 96                      |
| 911401547344 | RC199V LED35/840 PSD<br>W60L60 OC UE  | 80              | 153 lm/W          | 3,500 lm      | 96                      |
| 911401547644 | RC199V LED37/840 PSD<br>W60L60 UE     | 80              | 165 lm/W          | 3,750 lm      | 96                      |
| 911401547944 | RC199X LED35/840 WIA<br>W60L60 OC UE  | 80              | 160 lm/W          | 3,520 lm      | 96                      |
| 911401548244 | RC199X LED38/840 WIA<br>W60L60 UE     | 80              | 170 lm/W          | 3,800 lm      | 96                      |
| 911401550344 | RC199V LED35/940 PSU<br>W60L60 OC UE  | 90              | 170 lm/W          | 3,900 lm      | 96                      |
| 911401550644 | RC199V LED37/940 PSU<br>W60L60 UE     | 90              | 164 lm/W          | 3,780 lm      | 96                      |
| 911401550944 | RC199V LED34/940 PSD<br>W60L60 OC UE  | 90              | 145 lm/W          | 3,400 lm      | 96                      |
| 911401551244 | RC199V LED35/940 PSD<br>W60L60 UE     | 90              | 156 lm/W          | 3,580 lm      | 96                      |
| 911401551544 | RC199X LED33/940 WIA<br>W60L60 OC UE  | 90              | 150 lm/W          | 3,350 lm      | 96                      |
| 911401551844 | RC199X LED35/940 WIA<br>W60L60 UE     | 90              | 160 lm/W          | 3,550 lm      | 96                      |
| 911401546544 | RC199V LED54/840 PSU<br>W60L120 OC UE | 90              | 160 lm/W          | 5,400 lm      | 144                     |
| 911401546844 | RC199V LED57/840 PSU<br>W60L120 UE    | 80              | 162 lm/W          | 5,380 lm      | 144                     |
| 911401547144 | RC199V LED54/840 PSD<br>W60L120 OC UE | 80              | 162 lm/W          | 5,400 lm      | 144                     |
| 911401547444 | RC199V LED56/840 PSD<br>W60L120 UE    | 80              | 170 lm/W          | 5,650 lm      | 144                     |
| 911401547744 | RC199X LED54/840 WIA<br>W60L120 OC UE | 80              | 165 lm/W          | 5,400 lm      | 144                     |
| 911401548044 | RC199X LED57/840 WIA<br>W60L120 UE    | 80              | 170 lm/W          | 5,720 lm      | 144                     |
| 911401550144 | RC199V LED51/940 PSU<br>W60L120 OC UE | 90              | 160 lm/W          | 3,650 lm      | 96                      |
| 911401550444 | RC199V LED53/940 PSU<br>W60L120 UE    | 90              | 170 lm/W          | 3,900 lm      | 96                      |
| 911401550744 | RC199V LED50/940 PSD<br>W60L120 OC UE | 90              | 148 lm/W          | 5,000 lm      | 144                     |
| 911401551044 | RC199V LED53/940 PSD<br>W60L120 UE    | 90              | 160 lm/W          | 5,350 lm      | 144                     |
| 911401551344 | RC199X LED50/940 WIA<br>W60L120 OC UE | 90              | 152 lm/W          | 5,080 lm      | 144                     |
| 911401551644 | RC199X LED53/940 WIA<br>W60L120 UE    | 90              | 160 lm/W          | 5,350 lm      | 144                     |

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| Order Code   | Full Product Name                  | Color rendering | Luminous Efficacy | Luminous Flux | Number of light sources |
|--------------|------------------------------------|-----------------|-------------------|---------------|-------------------------|
|              |                                    | index (CRI)     | (rated) (Nom)     |               |                         |
| 911401546644 | RC199V LED36/840 PSU W30L120 OC UE | 80              | 156 lm/W          | 3,620 lm      | 96                      |
| 911401546944 | RC199V LED39/840 PSU W30L120 UE    | 80              | 152 lm/W          | 3,500 lm      | 96                      |
| 911401547244 | RC199V LED35/840 PSD W30L120 OC UE | 80              | 153 lm/W          | 3,500 lm      | 96                      |
| 911401547544 | RC199V LED37/840 PSD W30L120 UE    | 80              | 165 lm/W          | 3,750 lm      | 96                      |
| 911401547844 | RC199X LED35/840 WIA W30L120 OC UE | 80              | 160 lm/W          | 3,520 lm      | 96                      |
| 911401548144 | RC199X LED38/840 WIA W30L120 UE    | 80              | 170 lm/W          | 3,800 lm      | 96                      |
| 911401550244 | RC199V LED35/940 PSU W30L120 OC UE | 90              | 160 lm/W          | 3,650 lm      | 96                      |
| 911401550544 | RC199V LED37/940 PSU W30L120 UE    | 90              | 154 lm/W          | 3,520 lm      | 96                      |
| 911401550844 | RC199V LED34/940 PSD W30L120 OC UE | 90              | 145 lm/W          | 3,400 lm      | 96                      |
| 911401551144 | RC199V LED35/940 PSD W30L120 UE    | 90              | 156 lm/W          | 3,580 lm      | 96                      |
| 911401551444 | RC199X LED33/940 WIA W30L120 OC UE | 90              | 150 lm/W          | 3,350 lm      | 96                      |
| 911401551744 | RC199X LED35/940 WIA W30L120 UE    | 90              | 160 lm/W          | 3,550 lm      | 96                      |

Operating and Electrical

| Order Code   | Full Product Name                  | Power Consumption | Order Code   | Full Product Name                  | Power Consumption |
|--------------|------------------------------------|-------------------|--------------|------------------------------------|-------------------|
| 911401546744 | RC199V LED36/840 PSU W60L60 OC UE  | 23 W              | 911401550144 | RC199V LED51/940 PSU W60L120 OC UE | 23 W              |
| 911401547044 | RC199V LED39/840 PSU W60L60 UE     | 23 W              | 911401550444 | RC199V LED53/940 PSU W60L120 UE    | 23 W              |
| 911401547344 | RC199V LED35/840 PSD W60L60 OC UE  | 23 W              | 911401550744 | RC199V LED50/940 PSD W60L120 OC UE | 33.5 W            |
| 911401547644 | RC199V LED37/840 PSD W60L60 UE     | 23 W              | 911401551044 | RC199V LED53/940 PSD W60L120 UE    | 33.5 W            |
| 911401547944 | RC199X LED35/840 WIA W60L60 OC UE  | 22 W              | 911401551344 | RC199X LED50/940 WIA W60L120 OC UE | 33 W              |
| 911401548244 | RC199X LED38/840 WIA W60L60 UE     | 22 W              | 911401551644 | RC199X LED53/940 WIA W60L120 UE    | 33 W              |
| 911401550344 | RC199V LED35/940 PSU W60L60 OC UE  | 23 W              | 911401546644 | RC199V LED36/840 PSU W30L120 OC UE | 23 W              |
| 911401550644 | RC199V LED37/940 PSU W60L60 UE     | 23 W              | 911401546944 | RC199V LED39/840 PSU W30L120 UE    | 23 W              |
| 911401550944 | RC199V LED34/940 PSD W60L60 OC UE  | 23 W              | 911401547244 | RC199V LED35/840 PSD W30L120 OC UE | 23 W              |
| 911401551244 | RC199V LED35/940 PSD W60L60 UE     | 23 W              | 911401547544 | RC199V LED37/840 PSD W30L120 UE    | 23 W              |
| 911401551544 | RC199X LED33/940 WIA W60L60 OC UE  | 22 W              | 911401547844 | RC199X LED35/840 WIA W30L120 OC UE | 22 W              |
| 911401551844 | RC199X LED35/940 WIA W60L60 UE     | 22 W              | 911401548144 | RC199X LED38/840 WIA W30L120 UE    | 22 W              |
| 911401546544 | RC199V LED54/840 PSU W60L120 OC UE | 33 W              | 911401550244 | RC199V LED35/940 PSU W30L120 OC UE | 23 W              |
| 911401546844 | RC199V LED57/840 PSU W60L120 UE    | 33 W              | 911401550544 | RC199V LED37/940 PSU W30L120 UE    | 23 W              |
| 911401547144 | RC199V LED54/840 PSD W60L120 OC UE | 33.5 W            | 911401550844 | RC199V LED34/940 PSD W30L120 OC UE | 23 W              |
| 911401547444 | RC199V LED56/840 PSD W60L120 UE    | 33.5 W            | 911401551144 | RC199V LED35/940 PSD W30L120 UE    | 23 W              |
| 911401547744 | RC199X LED54/840 WIA W60L120 OC UE | 33 W              | 911401551444 | RC199X LED33/940 WIA W30L120 OC UE | 22 W              |
| 911401548044 | RC199X LED57/840 WIA W60L120 UE    | 33 W              | 911401551744 | RC199X LED35/940 WIA W30L120 UE    | 22 W              |

Controls and Dimming

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| Order Code   | Full Product Name                  | Dimmable     |
|--------------|------------------------------------|--------------|
| 911401546744 | RC199V LED36/840 PSU W60L60 OC UE  | Fixed        |
| 911401547044 | RC199V LED39/840 PSU W60L60 UE     | Fixed        |
| 911401547344 | RC199V LED35/840 PSD W60L60 OC UE  | DALI         |
| 911401547644 | RC199V LED37/840 PSD W60L60 UE     | DALI         |
| 911401547944 | RC199X LED35/840 WIA W60L60 OC UE  | Wireless Dim |
| 911401548244 | RC199X LED38/840 WIA W60L60 UE     | Wireless Dim |
| 911401550344 | RC199V LED35/940 PSU W60L60 OC UE  | Fixed        |
| 911401550644 | RC199V LED37/940 PSU W60L60 UE     | Fixed        |
| 911401550944 | RC199V LED34/940 PSD W60L60 OC UE  | DALI         |
| 911401551244 | RC199V LED35/940 PSD W60L60 UE     | DALI         |
| 911401551544 | RC199X LED33/940 WIA W60L60 OC UE  | Wireless Dim |
| 911401551844 | RC199X LED35/940 WIA W60L60 UE     | Wireless Dim |
| 911401546544 | RC199V LED54/840 PSU W60L120 OC UE | DALI         |
| 911401546844 | RC199V LED57/840 PSU W60L120 UE    | Fixed        |
| 911401547144 | RC199V LED54/840 PSD W60L120 OC UE | DALI         |
| 911401547444 | RC199V LED56/840 PSD W60L120 UE    | DALI         |
| 911401547744 | RC199X LED54/840 WIA W60L120 OC UE | Wireless Dim |
| 911401548044 | RC199X LED57/840 WIA W60L120 UE    | Wireless Dim |

| Order Code   | Full Product Name                  | Dimmable     |
|--------------|------------------------------------|--------------|
| 911401550144 | RC199V LED51/940 PSU W60L120 OC UE | Fixed        |
| 911401550444 | RC199V LED53/940 PSU W60L120 UE    | Fixed        |
| 911401550744 | RC199V LED50/940 PSD W60L120 OC UE | DALI         |
| 911401551044 | RC199V LED53/940 PSD W60L120 UE    | DALI         |
| 911401551344 | RC199X LED50/940 WIA W60L120 OC UE | Wireless Dim |
| 911401551644 | RC199X LED53/940 WIA W60L120 UE    | Wireless Dim |
| 911401546644 | RC199V LED36/840 PSU W30L120 OC UE | Fixed        |
| 911401546944 | RC199V LED39/840 PSU W30L120 UE    | Fixed        |
| 911401547244 | RC199V LED35/840 PSD W30L120 OC UE | DALI         |
| 911401547544 | RC199V LED37/840 PSD W30L120 UE    | DALI         |
| 911401547844 | RC199X LED35/840 WIA W30L120 OC UE | Wireless Dim |
| 911401548144 | RC199X LED38/840 WIA W30L120 UE    | Wireless Dim |
| 911401550244 | RC199V LED35/940 PSU W30L120 OC UE | Fixed        |
| 911401550544 | RC199V LED37/940 PSU W30L120 UE    | Fixed        |
| 911401550844 | RC199V LED34/940 PSD W30L120 OC UE | DALI         |
| 911401551144 | RC199V LED35/940 PSD W30L120 UE    | DALI         |
| 911401551444 | RC199X LED33/940 WIA W30L120 OC UE | Wireless Dim |
| 911401551744 | RC199X LED35/940 WIA W30L120 UE    | Wireless Dim |

