

### RefLED PAR38 RefLED RETRO PAR38 DIM 1200LM 830 IP65 40°S 0028271



#### **Product features**

• High performance LED PAR lamps with the same look and feel of traditional PAR lamps• Glass construction - means no colours clashing between the lamp and fixture. Reduced visible heatsink from the front• Mercury-free solution• Lower maintenance cost• RefLED™ RT PAR38 IP65 is also suitable for outdoor applications when used with IP65 rated luminaires.• Lifetime: up to 25,000 hours• High lumen efficacy• Dimmable on approved dimmers\*• 3 year warranty• Suitable for general lighting and accent lighting for hotels, restaurants, bars, lobbies, corridors and halls















#### PRODUCT OVERVIEW

| Product name                    | RefLED RETRO PAR38 DIM 1200LM 830 IP65 40°S                      |
|---------------------------------|--|
| Technology                      | LED  |
| Watt (Rated) (W)                | 15   |
| Cap/Base                        | E27  |
| Fixture rating                  | Open   |
| General application             | Hospitality, Museums & Galleries, Residential & Consumer, Retail |
| ETIM Class                      | EC001959   |
| E-number FI                     | 4740797  |
| Warranty                        | 3 years  |
| Colour temperature (K)          | 3000   |
| Light colour                    | Warm White   |
| CRI (Ra)                        | 80   |
| Colour Variation Initial (SDCM) | SDCM6  |
| Colour Consistency (SDCM)       | 6  |
| Beam Angle (°)                  | 40   |
| Wattage (W)                     | 15   |
| Product Voltage (V)             | 230  |
| Dimmable                        | Yes  |
| Average life (Nominal) (h)      | 25000  |
| Product EAN number              | 5410288282718  |

#### **DATA TABLE**

| General data                            |  |
|---|--|
| Product name                            | RefLED RETRO PAR38 DIM 1200LM 830 IP65 40°S                      |
| Technology                              | LED  |
| Watt (Rated) (W)                        | 15   |
| Cap/Base                                | E27  |
| Fixture rating                          | Open   |
| General application                     | Hospitality, Museums & Galleries, Residential & Consumer, Retail |
| Performance ambient temperature Tq (°C) | 25   |
| ETIM Class                              | EC001959   |
| E-number FI                             | 4740797  |
| Warranty                                | 3 years  |



## RefLED PAR38

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| Rated Luminous Flux Useful (Im)         1200           Colour temperature (K)         3000           Light colour         Warm White           CRI (Ra)         80           Colour Variation Initial (SDCM)         SDCM6           Colour Consistency (SDCM)         6           Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data         ************************************  | Optical data                             |                |
|---|--|----------------|
| Colour temperature (K)         3000           Light colour         Warm White           CRI (Ra)         80           Colour Variation Initial (SDCM)         SDCM6           Colour Consistency (SDCM)         6           Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data         ***           Wattage (W)         15           Starting time (max) (s)         <0.5  | Rated Luminous Flux Useful (Im)          | 1200           |
| CRI (Ra)         80           Colour Variation Initial (SDCM)         SDCM6           Colour Consistency (SDCM)         6           Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data           Wattage (W)         15           Starting time (max) (s)         <0.5  | • •                                      | 3000           |
| Colour Variation Initial (SDCM)         SDCM6           Colour Consistency (SDCM)         6           Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data         ****           Wattage (W)         15           Starting time (max) (s)         <0.5   | Light colour                             | Warm White     |
| Colour Consistency (SDCM)         6           Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data         ****           Wattage (W)         15           Starting time (max) (s)         <0.5           Warm-up time to 60% of full light (max) (s)         <0.5           (a)         230           Lamp power factor         0.9           No. Of switching cycles before premature failures         >500000           Failures         ***           Dimmable         Yes           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         ***           Average life (Nomlnal) (h)         25000           Average life (Rated) (h)         25000           Physical data         ***           Nominal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         ***           Single packaging type         Carton           Product EAN number         5410288282718           Packaging single length / height (cm)         13.2           Pubunt4 (outer)   | CRI (Ra)                                 | 80             |
| Rated Luminous Intensity (cd)         2400           Beam Angle (*)         40           Electrical data         ****           Wattage (W)         15           Starting time (max) (s)         <0.5           Warm-up time to 60% of full light (max) (s)         <0.5           Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature railures         500000           railures         ***           Dimmable         Yes           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         ***           Average life (Nominal) (h)         25000           Average life (Rated) (h)         25000           Physical data         ***           Nominal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         ***           Single packaging type         Carton           Product EAN number         510.288282718           Packaging single eight (hem)         13.2           Packaging single eight (hem)         13.2           Packagin  |  | SDCM6          |
| Beam Angle (*)   40   | Colour Consistency (SDCM)                | 6              |
| Starting time (max) (s)   | Rated Luminous Intensity (cd)            | 2400           |
| Wattage (W)         15           Starting time (max) (s)         <0.5           Warm-up time to 60% of full light (max) (s)         <0.5           Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature fallures         >500000           Fallures         500000           Brill Hamman         50000           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         4           Average life (Nominal) (h)         25000           Average life (Rated) (h)         25000           Physical data         34           Nominal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         5410288282718           Packaging single length / height (cm)         15.1           Packaging single length / height (cm)         13.2           DUN14 (outer)         15410288282715           Units per outer package         6           Packaging outer length / height (cm)         43.7           Packaging outer width (cm)         29.6           Packaging outer depth (cm)  | Beam Angle (°)                           | 40             |
| Starting time (max) (s)         <0.5           Warm-up time to 60% of full light (max) (s)         <0.5           Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature failures         >500000           Frailures         500000           Dimmable         Yes           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         Average life (Nominal) (h)           Average life (Rated) (h)         25000           Physical data         34           Nominal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         15           Single packaging type         Carton           Product EAN number         5410288282718           Packaging single length / height (cm)         13.2           Puntl 4 (outer)         15410288282715           Units per outer package         6           Packaging outer length / height (cm)         43.7           Packaging outer width (cm)         29.6           Packaging outer width (cm)         29.6           Packaging outer dep   | Electrical data                          |                |
| Starting time (max) (s)         <0.5           Warm-up time to 60% of full light (max) (s)         <0.5           Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature failures         >500000           Failures         500000           Brimable         Yes           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         Average life (Nominal) (h)         25000           Average life (Rated) (h)         25000           Physical data         34           Nominal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         Carton           Product EAN number         5410288282718           Packaging single length / height (cm)         15.1           Packaging single depth (cm)         13.2           DUN14 (outer)         15410288282715           Units per outer package         6           Packaging outer length / height (cm)         43.7           Packaging outer width (cm)         29.6           Packaging outer width (cm)         29.6  | Wattage (W)                              | 15             |
| Warm-up time to 60% of full light (max) (s)         <0.5 (s)           Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature failures         >500000           Dimmable         Yes           kWh per 1000 hours burning time         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data         Average life (Nominal) (h)         25000           Average life (Rated) (h)         25000           Physical data         Valonal Product Length (mm)         134           Nominal Product Diameter (mm)         121           Weight (kg)         0.405           Packaging         Valonal Product EAN number           Packaging single peack with (cm)         15.1           Packaging single length / height (cm)         15.2           Packaging single depth (cm)         13.2           Packaging single depth (cm)         13.2           Packaging outer length / height (cm)         43.7           Packaging outer width (cm)         29.6           Packaging outer depth (cm)         21.0           Safety data           Breakage cleaning instructions         Not applicable           Special purpose lamp         Not applicable   |  | <0.5           |
| Product Voltage (V)         230           Lamp power factor         0.9           No. Of switching cycles before premature failures         >50000           Dimmable (RWh per 1000 hours burning time)         15           Nominal Frequency (Hz)         50/60Hz           Lifetime data   | Warm-up time to 60% of full light (max)  | <0.5           |
| Lamp power factor     0.9       No. Of switching cycles before premature failures     >500000       Dimmable     Yes       kWh per 1000 hours burning time     15       Nominal Frequency (Hz)     50/60Hz       Lifetime data  |  | 230            |
| No. Of switching cycles before premature failures   Failures  |  |                |
| Dimmable Yes kWh per 1000 hours burning time 15 Nominal Frequency (Hz) 50/60Hz  Lifetime data  Average life (Nominal) (h) 25000 Average life (Rated) (h) 25000  Physical data  Nominal Product Length (mm) 134 Nominal Product Diameter (mm) 121 Weight (kg) 0.405  Packaging  Single packaging type Carton Product EAN number 5410288282718 Packaging single length / height (cm) 15.1 Packaging single length / height (m) 13.2 Packaging single depth (cm) 13.2 DUN14 (outer) 15410288282715  Units per outer package 6 Packaging outer length / height (cm) 43.7 Packaging outer width (cm) 29.6 Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No  | No. Of switching cycles before premature | >50000         |
| kWh per 1000 hours burning time Nominal Frequency (Hz)  Lifetime data  Average life (Nominal) (h) Average life (Rated) (h)  Physical data  Nominal Product Length (mm) Nominal Product Diameter (mm) Weight (kg)  Packaging  Single packaging type Carton  Product EAN number Packaging single length / height (cm) Packaging single depth (cm) 13.2 Packaging single depth (cm) 13.2 Packaging single depth (cm) 15.410288282715  Units per outer package 6 Packaging outer length / height (cm) Packaging outer width (cm) Packaging outer depth (cm) Packaging outer length / height (cm) Packaging outer width (cm) Packaging outer width (cm) Packaging outer width (cm) Packaging outer might / height (cm) Packaging outer width (cm) Packaging outer might / height / |  | Yes            |
| Nominal Frequency (Hz) 50/60Hz  Lifetime data  Average life (Nominal) (h) 25000  Average life (Rated) (h) 25000  Physical data  Nominal Product Length (mm) 134  Nominal Product Diameter (mm) 121  Weight (kg) 0.405  Packaging  Single packaging type Carton  Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   |  |                |
| Lifetime data  Average life (Nominal) (h) 25000  Average life (Rated) (h) 25000  Physical data  Nominal Product Length (mm) 134 Nominal Product Diameter (mm) 121 Weight (kg) 0.405  Packaging  Single packaging type Carton  Product EAN number 5410288282718  Packaging single length / height (cm) 13.2  Packaging single depth (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   |  |                |
| Physical data  Nominal Product Length (mm) 134 Nominal Product Diameter (mm) 121 Weight (kg) 0.405  Packaging  Single packaging type Carton Product EAN number 5410288282718 Packaging single length / height (cm) 15.1 Packaging single width (cm) 13.2 Packaging single depth (cm) 13.2 DUN14 (outer) 15410288282715 Units per outer package 6 Packaging outer length / height (cm) 43.7 Packaging outer width (cm) 29.6 Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No  | Average life (Nominal) (h)               |                |
| Nominal Product Diameter (mm) Weight (kg)  121  Weight (kg)  0.405  Packaging  Single packaging type Carton Product EAN number Product EAN number Packaging single length / height (cm) Packaging single width (cm) Packaging single width (cm) Packaging single depth (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package Packaging outer length / height (cm) Packaging outer width (cm) Packaging outer width (cm) Packaging outer depth (cm)  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No   |  | 25000          |
| Packaging  Single packaging type Carton Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   | Nominal Product Length (mm)              | 134            |
| Packaging  Single packaging type Carton Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No  | Nominal Product Diameter (mm)            | 121            |
| Single packaging type Carton Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No  | Weight (kg)                              | 0.405          |
| Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   | Packaging                                |                |
| Product EAN number 5410288282718  Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   | Single packaging type                    | Carton         |
| Packaging single length / height (cm) 15.1  Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   |  |                |
| Packaging single width (cm) 13.2  Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   |  |                |
| Packaging single depth (cm) 13.2  DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   |  |                |
| DUN14 (outer) 15410288282715  Units per outer package 6  Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No   | . ,                                      |                |
| Units per outer package 6 Packaging outer length / height (cm) 43.7 Packaging outer width (cm) 29.6 Packaging outer depth (cm) 21.0 Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No  | ,  |                |
| Packaging outer length / height (cm) 43.7  Packaging outer width (cm) 29.6  Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable  Special purpose lamp No  | · · · · · · · · · · · · · · · · · · ·    |                |
| Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No   |  | 43.7           |
| Packaging outer depth (cm) 21.0  Safety data  Breakage cleaning instructions Not applicable Special purpose lamp No   | Packaging outer width (cm)               | 29.6           |
| Breakage cleaning instructions  Not applicable  Special purpose lamp  No  |  | 21.0           |
| Special purpose lamp No   |  |                |
| Special purpose lamp No   | Safety data                              |                |
|   | •  | Not applicable |
|   | Breakage cleaning instructions           |                |



# RefLED PAR38 RefLED RETRO PAR38 DIM 1200LM 830 IP65 40°S 0028271

Suitable for household illumination Yes

Safety messageDimmable with approved dimmersSafety messageNot Suitable for totally enclosed fixtures