

PrevaLED CORE TW

Spot-, Down- and Wallmount Light Engines and Modules

Areas of application

- Hospitality
- Retail
- Shops
- Restaurants
- Gallery
- Museums

Product family benefits

- Wide tunable CCT range from 2700 K to 6500 K in CRI 80 and 5000 K in CRI 90
- Targeting Human Centric Lighting (HCL)
- Separable COB (chip-on-board LED) and holder to improve assembly flexibility
- Industrial standard 19x19 and 28x28 package size to simplify design-in

Product family features

- Color consistency < 3 SDCM in 2700 K
- Min CRI 80 and 90
- Wide flux range 1,000-5,000 lm
- Luminous efficacy up to 140 lm/W



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Type of current
PL-CORE-TW- -1000-90	35.5 V	DC
PL-CORE-TW- -2000-90	35.5 V	DC
PL-CORE-TW- -3500-90	35.5 V	DC

Photometrical data

Product description	Luminous efficacy	Color rendering index Ra
PL-CORE-TW- -1000-90	115 lm/W	90
PL-CORE-TW- -2000-90	114 lm/W	90
PL-CORE-TW- -3500-90	121 lm/W	90

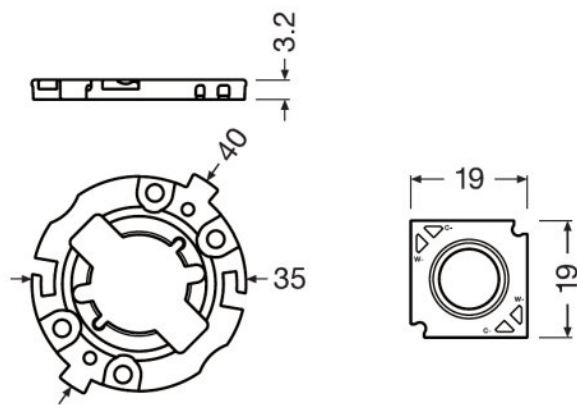
Light technical data

Product description	Beam angle
PL-CORE-TW- -1000-90	120 °
PL-CORE-TW- -2000-90	120 °
PL-CORE-TW- -3500-90	120 °

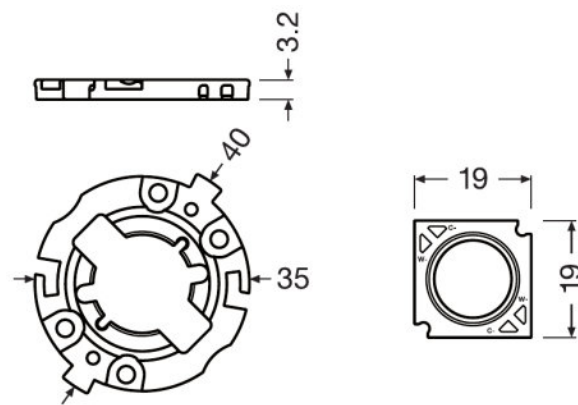
Dimensions & weight

Product description	Product weight
PL-CORE-TW- -1000-90	3.20 g
PL-CORE-TW- -2000-90	3.20 g
PL-CORE-TW- -3500-90	5.70 g

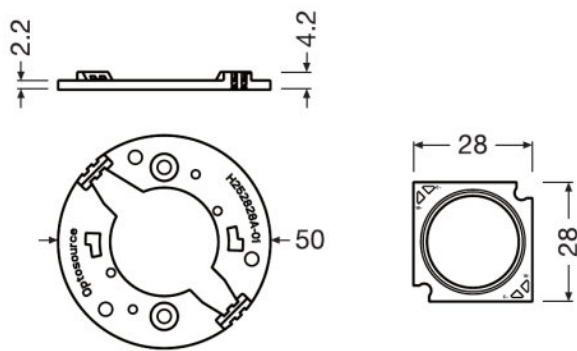
Product line drawing



PL-CORE-TW- -1000-90



PL-CORE-TW- -2000-90



PL-CORE-TW- -3500-90

Product family datasheet

Temperatures & operating conditions

Product description	Performance temp. acc. to IEC 62717	Maximum temperature at tc test point	Temperature range at storage
PL-CORE-TW- -1000-90	25 °C	25 °C	-40 to 105 °C
PL-CORE-TW- -2000-90	25 °C	25 °C	-40 to 105 °C
PL-CORE-TW- -3500-90	25 °C	25 °C	-40 to 105 °C

Logistical data

Product description	Commodity code
PL-CORE-TW- -1000-90	85414100000
PL-CORE-TW- -2000-90	85414100000
PL-CORE-TW- -3500-90	85414100000

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database
PL-CORE-TW- -1000-90	20-10-2022	4062172121453	In work
PL-CORE-TW- -2000-90	20-10-2022	4062172121477	In work
PL-CORE-TW- -3500-90	20-10-2022	4062172121491	In work

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172121453	PL-CORE-TW- -1000-90	Shipping carton box 125	214 mm x 214 mm x 96 mm	4.40 dm ³	588.00 g
4062172121477	PL-CORE-TW- -2000-90	Shipping carton box 125	214 mm x 214 mm x 96 mm	4.40 dm ³	588.00 g
4062172121491	PL-CORE-TW- -3500-90	Shipping carton box 100	214 mm x 214 mm x 96 mm	4.40 dm ³	758.00 g

Product family datasheet

Logistical Data

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

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