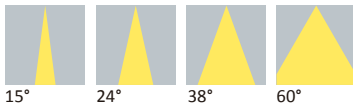




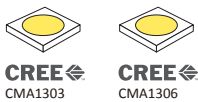
Datasheet

LL01ZZ-ENDxxL191-Mx

Available Distribution



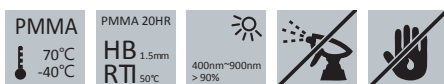
LED



Recommend Applications



General Information



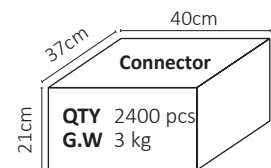
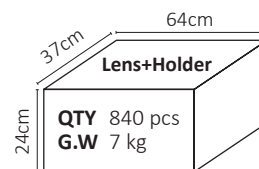
- Lens Material PMMA 20HR
- Operating Temperature -40°C~+70°C
- UL Flammability HB @1.5mm
- UL RTI Elec 50°C @1.5mm
- Light Transmission Rate 400nm~900nm > 90%
- ☑ If necessary, Clean lenses with mild soap, water and soft cloth.
- ⚠ Never use any commercial cleaning solvents on lenses, like alcohol.
- 🧤 Please handle or install lenses with wearing gloves, skin oils may damage lens or its optical characteristic.

Dimensions

Part Number	Diameter	Height
LL01ZZ-ENDxxL191-Mx	Ø28	17.35

*All dimensions are in millimeters.

Packaging Details (SPQ)



Accessories



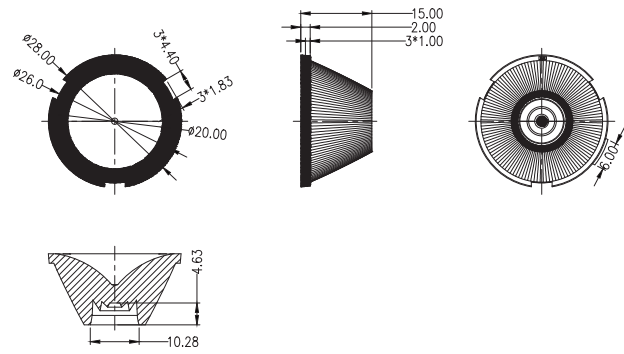
- Available with Holder LL01ZZADA28Hx
- Available with Connector LL01A00CYCB2

Mechanical Specification

*All dimensions are in millimeters.

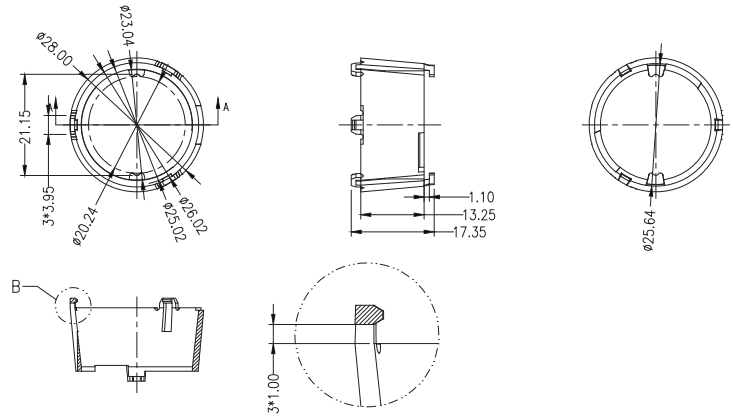
Lens Dimension

LL01ZZ-ENDxxL191-Mx



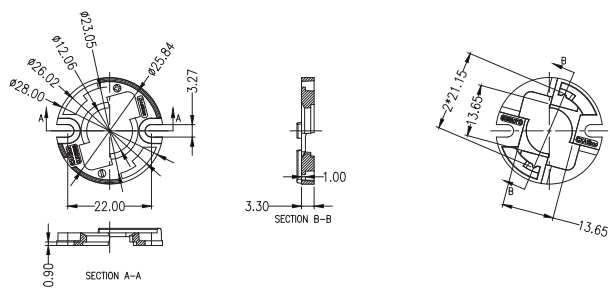
Holder Dimension

LL01ZZADA28Hx



Connector Dimension

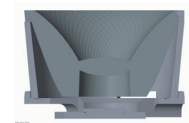
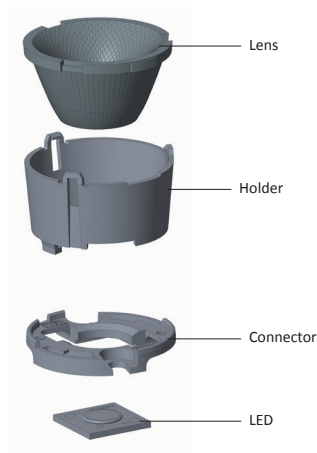
LL01A00CYCB2



Assembly Instruction

Fixing Method

Part No	LL01ZZ-ENDxxL191-Mx
Holder	LL01ZZADA28Hx
Connector	LL01A00CYCB2
LED	CREE CMA1303 / CMA1306



Photometric Distribution





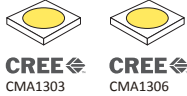
CREE
CMA1303





CREE
CMA1306

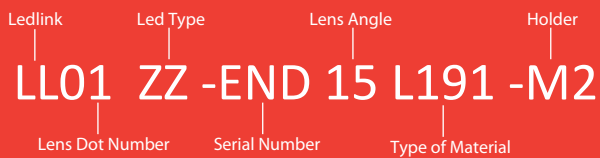
LED	CREE CMA1303	CREE CMA1306
15°		-
24°	-	
38°	-	
60°	-	

Details by LED

Part No	Holder	Connector	LED Size	LED
LL01ZZ-ENDxxL191-Mx	 LL01ZZADA28Hx	 LL01A00CYCB2	LES Ø4.5~6	 CREE CMA1303 CREE CMA1306

LED	Part No	FWHM	cd / lm	IES
 CREE CMA1303	LL01ZZ-END15L191-M2	18°	5.5	↓
 CREE CMA1306	LL01ZZ-END24L191-M2	21°	3.5	↓
	LL01ZZ-END38L191-M2	38°	1.9	↓
	LL01ZZ-END60L191-M2	60°	0.8	↓

Product Nomenclature



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