



# Task 8 SSL Annex Database update

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Carsten Dam-Hansen

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# Overview

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- Third term plan
- Database status
- Follow up on last plan
- EPREL data
- Expert input and discussion

# Third term plan and status

- Making a common structure and storage for data and file sharing that is as useful for us to save and analyse data

Task 8. SSL Annex Product Database																				
Task Leader: Carsten Dam-Hansen, Denmark																				
Objectives	To maintain and expand an internal benchmarking database of SSL products to enable countries to share performance data and test results for LED lamps and LED luminaire modules. This database would be used internally by SSL Annex member countries, used in public reports if it is presented as anonymous data (i.e., does not identify brands). The database will be populated with test data provided on a voluntary basis from member countries, and/or may also include other sources of data if deemed appropriate by the Leader.																			
	FY1 (2019–20)				FY2 (2020–21)				FY3 (2021–22)				FY4 (2022–23)				FY5 (2023–24)			
	MAM	JJA	SON	DJF	MAM	JJA	SON	DJF	MAM	JJA	SON	DJF	MAM	JJA	SON	DJF	MAM	JJA	SON	DJF

- Database structure done and documentation available.
- Excel database files with identical structure

Lighting facts, DLC, Der LichtPeter TLM

DTU TLM measurements, **LM-84** and **EU endurance**,

SEA data, 2019, SPD data

EPREL data

SEA 2020, **EU endurance**

Australia (35 models, average of results) TLM, **EU endurance**

# Follow up on last plan

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- Import SEA data for EU endurance testing
- Import SEA data + TLM for all years available
- Import Australian data
- Find new storage for the data (sharepoint and excel not a good solution as it grows)

Possible to setup SQL database using Microsoft access, using the defined structure, initiated but time consuming

- Follow the development of new photometric data format (xml)

Ongoing, Christofer proposed using data from Light inspector setups

# EPREL data

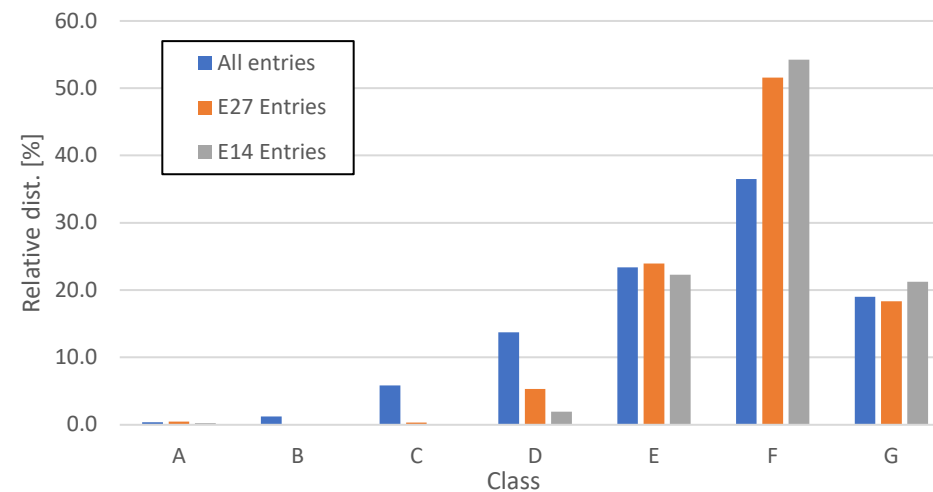
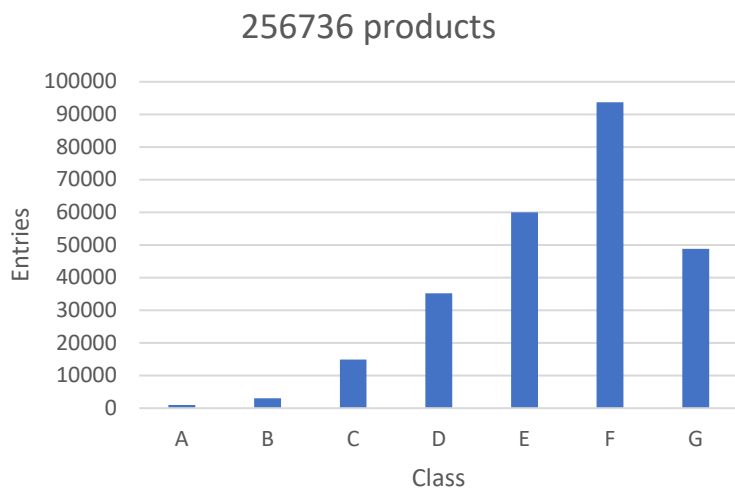
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- Access to EPREL data?
- Download from March 2021, 198687 entries and from 2023
- Public data part (fully accessible from May 2022)

# EPREL data

## 29-11-2022 Light sources (256 512)

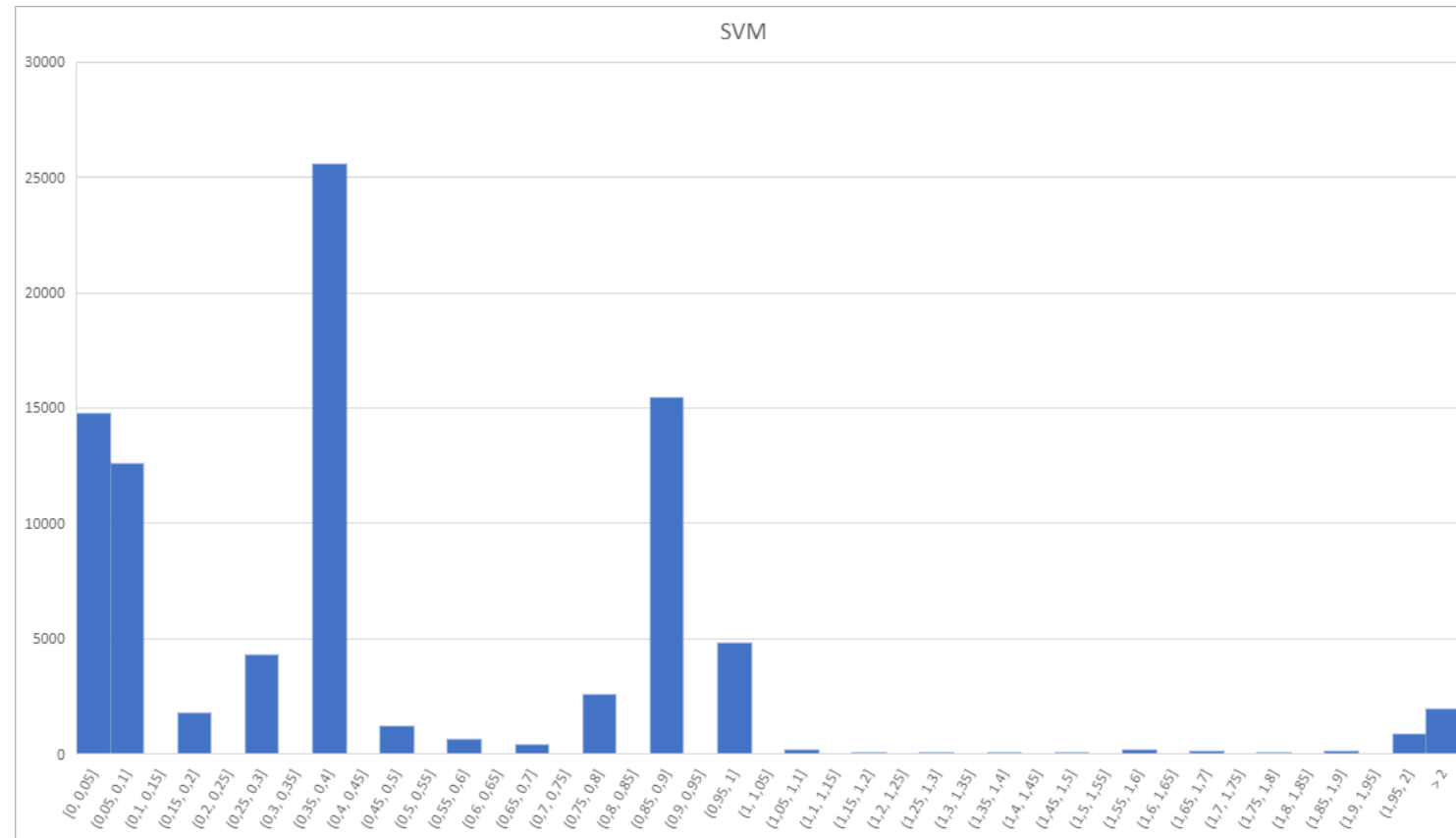
Class	All entries		E27 Entries		E14 Entries	
	Entries	[%]	Entries	[%]	Entries	[%]
A	1001	0,4	106	0,4	30	0,2
B	3098	1,2	15	0,1	0	0,0
C	14943	5,8	78	0,3	9	0,1
D	35197	13,7	1264	5,3	236	1,9
E	59971	23,4	5705	24,0	2729	22,3
F	93701	36,5	12279	51,5	6643	54,2
G	48825	19,0	4373	18,4	2603	21,2
	256736	100,0	23820	100,0	12250	100





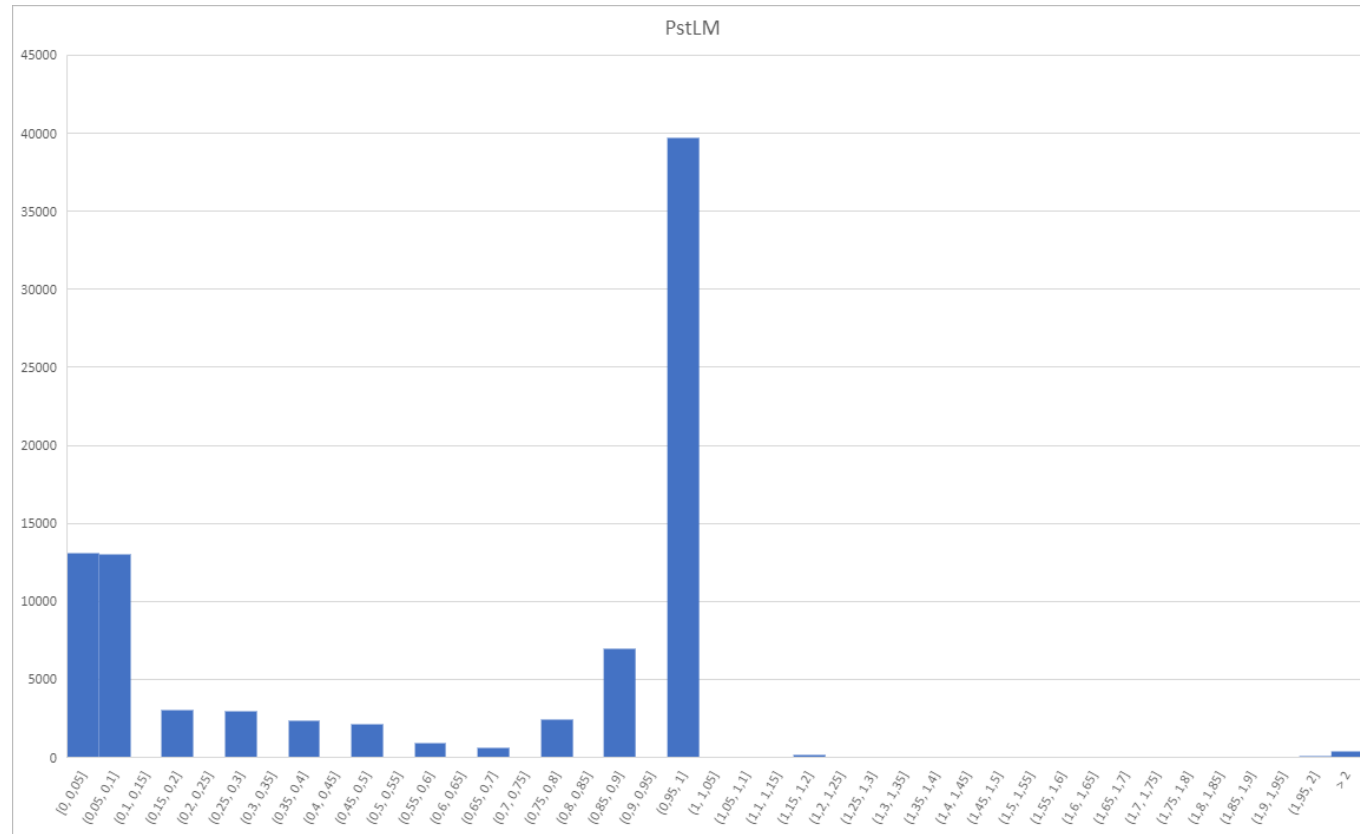
# TLM parameters given

SVM < 0.9, (SVM < 0.4 from September 2024)



# TLM parameters given

PstLM < 1





# Plan and Round the table

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## Plan for next period:

- Focus on real tested data
- Import SEA data for EU endurance testing
- Import SEA data + TLM for all years available
- Import DTU data + smart lamps/luminaires + endurance + LM-84
- Import Australian data
- EPREL data (compliance and/or public data)
- Make analysis and short report on longterm testing, EU endurance
- Make analysis and short report on PstLM and SVM