

Light is OSRAM

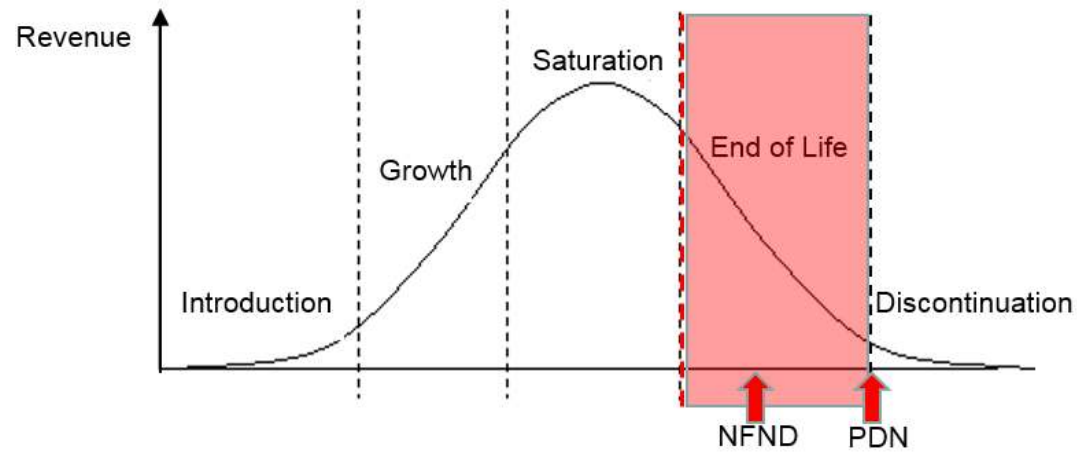
Not For New Designs OS-NFND-2018-002

15. February 2018

Expected discontinuation date: 1-5 Years

Reason: The following products have reached their end of life.

OSRAM OS Expectations: Please use our recommended replacement for new designs. If they may not fit, please contact your local sales office for other solutions. Additionally we ask you to switch for running project as soon as possible to the proposed replacement. Please check your demand and feedback your requested lifetime of these products.
Attention: Q# already announced to be in phase-out process will not be impacted. Dates published in corresponding PDN will be kept.



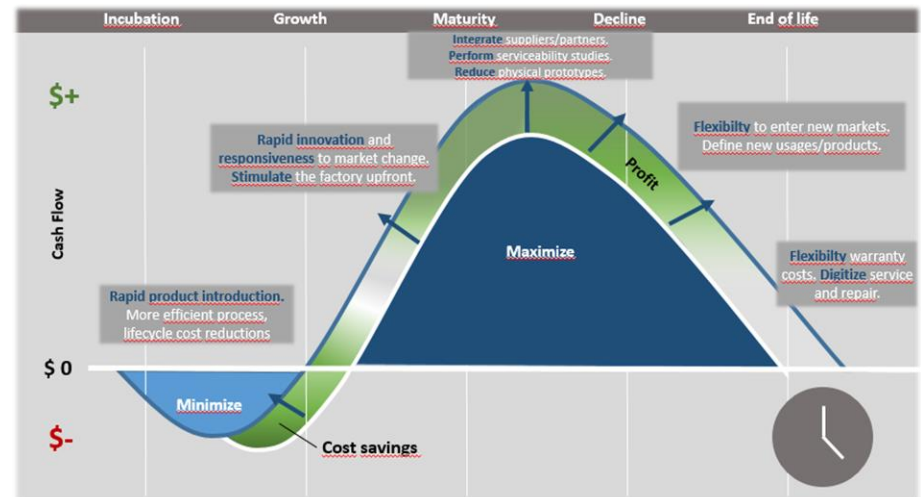
Please direct your feedback to your local Sales office.

Not for new design products		Recommended Replacement			
Device	Brand	Device	Brand	Datasheet Ordering Code	Expected PDN start
LTRB GFSF	MULTILED	LTRB RASF LRTB GVSG	MultiCHIPLE MULTILED	Q65111A6660 Q65111A3732	Q4 2018
LE A P3W	OSRAM OSTAR Projection Power	LE A P3W 01	OSRAM OSTAR Projection Power	Q65111A8264	Q1 2019
LE B P3W	OSRAM OSTAR Projection Power	LE B P3W 01	OSRAM OSTAR Projection Power	Q65112A4108	Q1 2019
LE CG P3W	OSRAM OSTAR Projection Power	LE CG P3A 01	OSRAM OSTAR Projection Power	Q65112A3032	Q1 2019

Strategic Phase-out

Customer Info Package for:
OS-NFND-2018-002

Status: February 2018

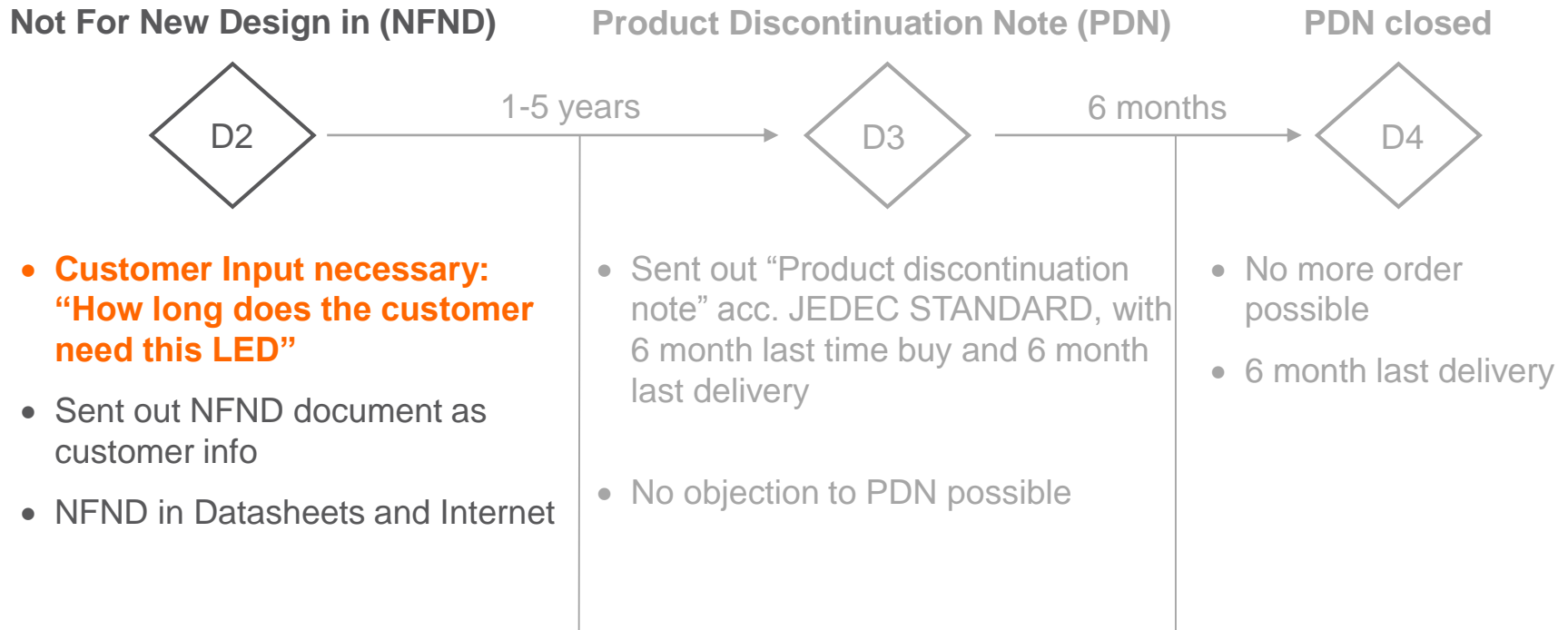


Strategic Phase-out Customer Info Package

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1. General Information

Customer feedback mandatory



Customer has 2-6 Years to switch to the recommended replacement

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2. Strategic Phase-out LTRB GFSF

General overview

Phase-over from ThinGaN Standard to latest ThinGaN UX:3 technology

LTRB GFSF

Strategic phase-out in terms of long-term product phase-out.

Latest state of the art chips are available (UX:3)

LTRB RASF
LRTB GVSG

Proposed strategic replacement products

Target: Portfolio concentration on improved ThinGaN UX:3 technology for green and blue chips.

Benefits

- **Improved ThinGaN UX:3** chip technology
- **Higher ESD stability:** 8kV (LTRB RASF) / 2kV (LRTB GVSG) vs. 1kV
- **Increased stability of package** due to CuNiAu (LTRB RASF) / NiPdAu (LRTB GVSG) plating
- **Significantly longer floor time** (JEDEC Level 2 vs. Level 4)

LTRB RASF

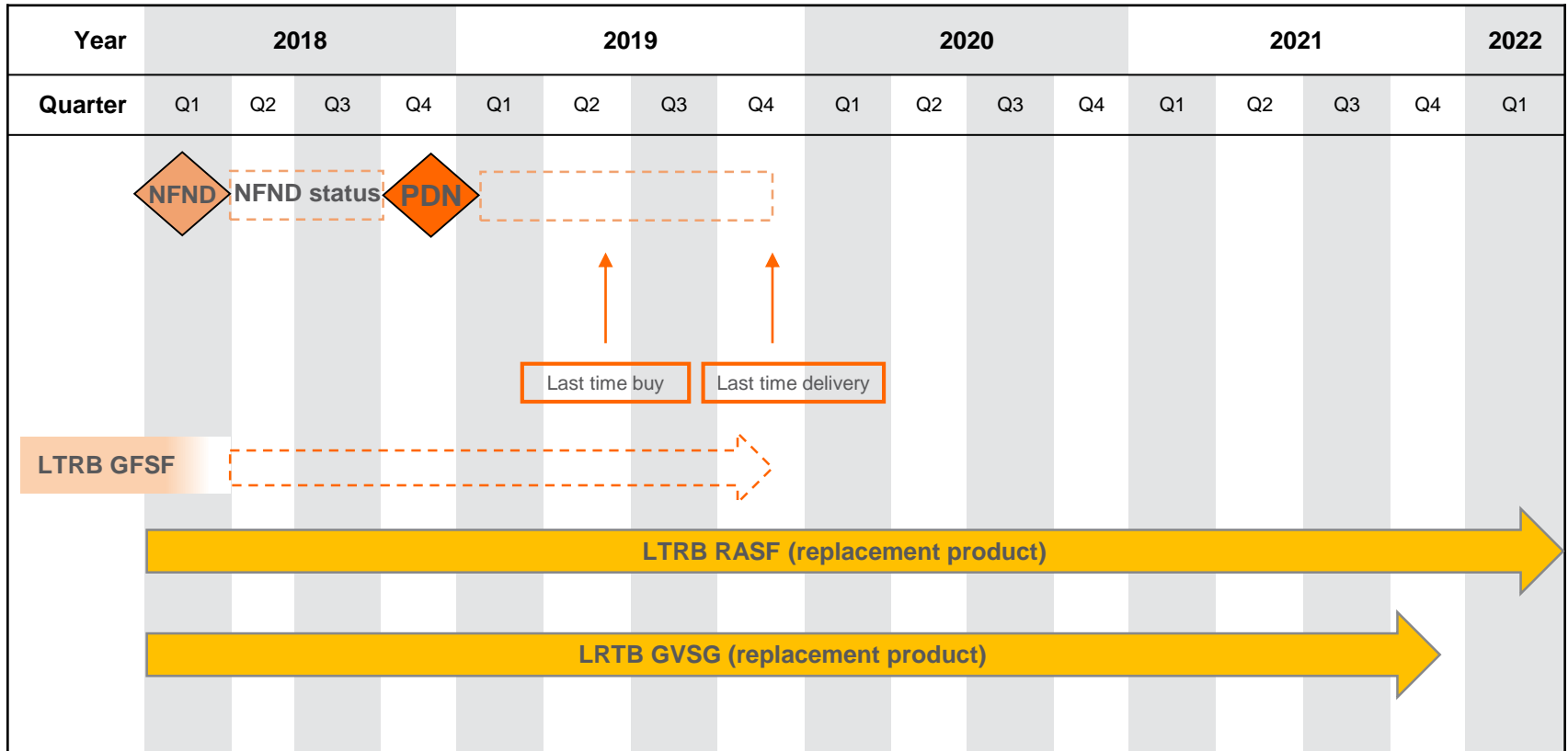
- **Smaller footprint**

LRTB GVSG

- Significantly lower Vf range leads to **higher efficiency** (approx. from Q3 2018 onwards)

2. Strategic Phase-out LTRB GFSF

Planned time scenario for product phase-out



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3. Strategic Phase-out OSRAM OSTAR Projection Power

General overview

Phase-over from ThinGaN Standard and ThinFilm standard to latest chip technology

LE A P3W
LE B P3W
LE CG P3W

Strategic phase-out
Chip supply is stopped

Latest state of the art chips are available (UX:3 / ThinFilm)

LE A P3W 01
LE B P3W 01
LE CG P3A 01

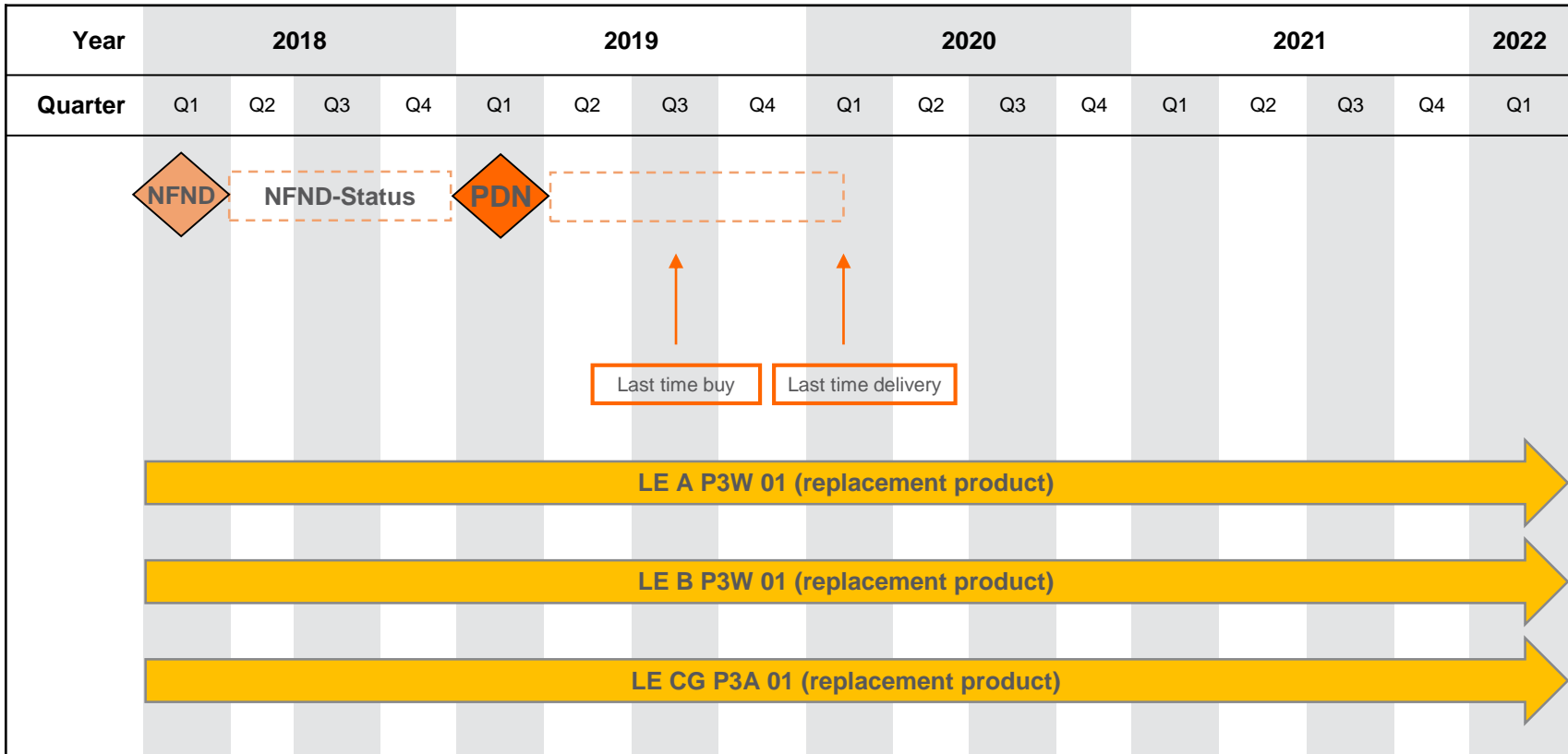
Proposed strategic
replacement products

Target: Portfolio concentration on improved ThinGaN UX:3 and ThinFilm technology

Benefits

- Improved ThinGaN UX:3 and ThinFilm chip technology
- Smaller package footprint

3. Strategic Phase-out OSRAM OSTAR Projection Power Planned time scenario for product phase-out



Thank you.

NotifNumber	ImplementDate	ProdAffected	QNbr	QNbrDesc	QNbrDesc_Z1
NFND-2018-002	15-Feb-23	LE A P3W	Q65110A9038	LE A P3W-TXTZ-1	LE A P3W-TXTZ-1
NFND-2018-002	15-Feb-23	LE A P3W	Q65111A3462	LE A P3W-TYTZ-1	LE A P3W-TYTZ-1
NFND-2018-002	15-Feb-23	LE A P3W	Q65111A7252	LE A P3W-TZ-1-XX	LE A P3W-TZ-1-XX
NFND-2018-002	15-Feb-23	LE A P3W	Q65111A8290	LE A P3W-TXUX-1	LE A P3W-TXUX-1
NFND-2018-002	15-Feb-23	LE B P3W	Q65110A9036	LE B P3W-GYHX-24	LE B P3W-GYHX-24
NFND-2018-002	15-Feb-23	LE B P3W	Q65111A3386	LE B P3W-GZHX-34	LE B P3W-GZHX-34
NFND-2018-002	15-Feb-23	LE B P3W	Q65111A4737	LE B P3W-GYHX-23	LE B P3W-GYHX-23
NFND-2018-002	15-Feb-23	LE B P3W	Q65111A4835	LE B P3W-GZHX-24	LE B P3W-GZHX-24
NFND-2018-002	15-Feb-23	LE CG P3W	Q65111A1846	LE CG P3W-8U6V-1	LE CG P3W-8U6V-1
NFND-2018-002	15-Feb-23	LE CG P3W	Q65111A3384	LE CG P3W-5V6V-1	LE CG P3W-5V6V-1
NFND-2018-002	15-Feb-23	LE CG P3W	Q65111A8222	LE CG P3W-8U7V-1	LE CG P3W-8U7V-1
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65110A9411	LTRBGFSF-BACB-RJWQ-0-0-R18-ZTP	LTRBGFSF-BACB-RJWQ-ZTP
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65110A9484	LTRBGFSF-ABCB-QKYO-0-0-R18-Z	LTRBGFSF-ABCB-QKYO-Z
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A0039	LTRBGFSF-ABBB-QKYO-0-0-R18-Z-XX	LTRBGFSF-ABBB-QKYO-Z-XX
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A0267	LTRBGFSF-BACB-RJUP-0-0-R18-ZPD	LTRBGFSF-BACB-RJUP-ZPD
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A0279	LTRBGFSF-BABB-QKTP-0-0-ZD-LM	LTRBGFSF-BABB-QKTP-ZD-LM
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A1351	LTRBGFSF-BACB-RJUP-0-0-R18-ZPE	LTRBGFSF-BACB-RJUP-ZPE
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A3156	LTRBGFSF-BABB-SMTM-0-0-R18-Z-XX	LTRBGFSF-BABB-SMTM-XX
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A3672	LTRBGFSF-BACA-QKYO-0-0-R18-Z	LTRBGFSF-BACA-QKYO-Z
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A4136	LTRBGFSF-BACB-RMTN-0-0-R18-ZTP	LTRBGFSF-BACB-RMTN-ZTP
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A6016	LTRBGFSF-U1V1-QKYO-0-B-R18-Z-XX	LTRBGFSF-U1V1-QKYO-B-XX
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A7683	LTRBGFSF-BACA-QKYO-0-0-R18-ZC-XX	LTRBGFSF-BACA-QKYO-C-XX
NFND-2018-002	15-Feb-23	LTRB GFSF	Q65111A8090	LTRBGFSF-ABCB-UJWL-0-0-R18-Z-XX	LTRBGFSF-ABCB-UJWL-XX