



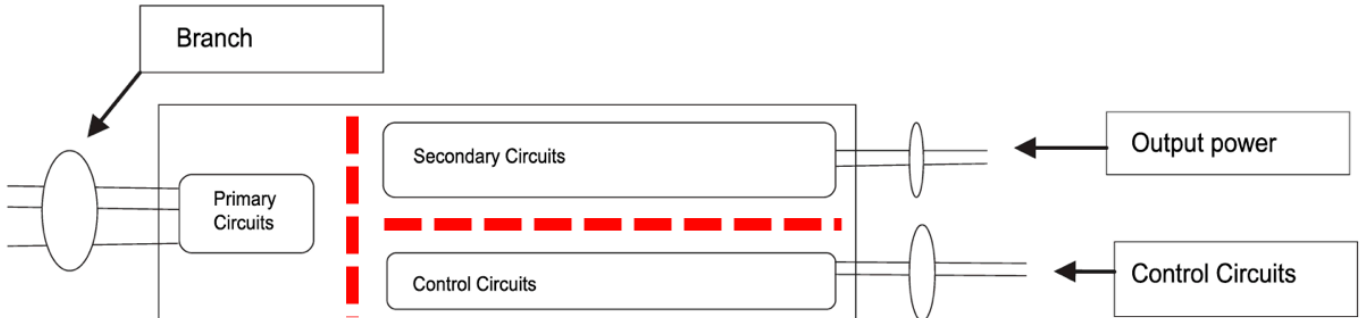
PRODUCT BULLETIN

CUSTOMER NAME	ALL CUSTOMERS		
MODEL AFFECTED	ESS, ESP, ESM, EVM, PSB, PHB, SLM, TLM SERIES		
PROCESS CHANGE ORDER #	PB20191202001	IMPLEMENTATION DATE	12/02/2019

DESCRIPTION OF CHANGE: ERP changes to accommodate UL8750 supplement SF (0-10 V dimming circuit isolation)

CUSTOMER CONTACT	MARC MCANDREW (Marc@erp-power.com)
DATE OF NOTIFICATION	12/04/2019

DESCRIPTION OF CHANGE: UL standard 8750 supplement SF compliance will become a requirement of all LED drivers manufactured on or after May 1, 2020. This supplement outlines isolation requirements between an LED driver's control circuit and its DC output circuit. In order to achieve compliance with supplement SF, ERP is making design changes to all of the model families listed above.



--- Identifies isolation between different circuits

Supplement SF takes effect on May 1, 2020, with all LED drivers manufactured on or after this date requiring compliance. Any LED drivers manufactured previous to this date do not need to meet compliance. Additionally, any fixture manufactured after May 1 can be manufactured using a non-SF compliant driver, if that driver was manufactured before May 1.

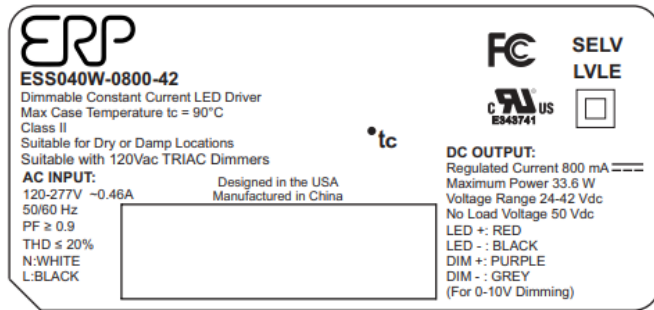
ERP LED drivers that have been updated to supplement SF compliance will not feature any changes to its case design, and all dimensions of the case will remain the same. Additionally, the electrical specifications of updated drivers will remain the same. There will be no change to how customers order ERP drivers, as both the part numbering system, and price of drivers will remain unchanged.

Manufacturers do not need to resubmit their fixtures to UL for recertification when switching to SF compliant drivers. Their previous certification will remain valid.

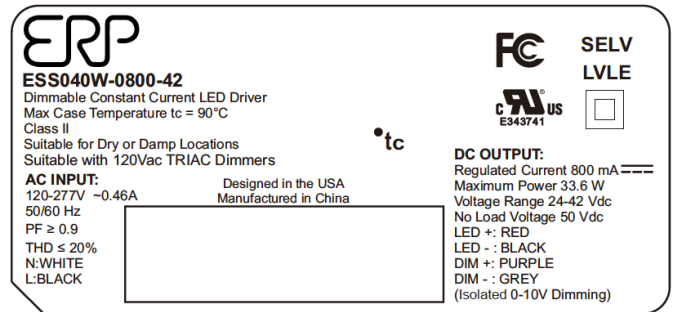
DATE OF APPROVAL	12/04/2019
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There are two characteristics of ERP drivers that have been updated to supplement SF compliance that will change: the 0-10 V dimming profile, and a label change to signify supplement SF compliance. New 0-10 V dimming profiles are shown at the end of this product bulletin. The following is an example of the label change to be made:

Current Label



New Label



The new labels change the phrase “For 0-10V Dimming” to “Isolated 0-10V Dimming” to reflect that an ERP driver has been updated to supplement SF compliance without having to use the barcode to determine the date of manufacture.

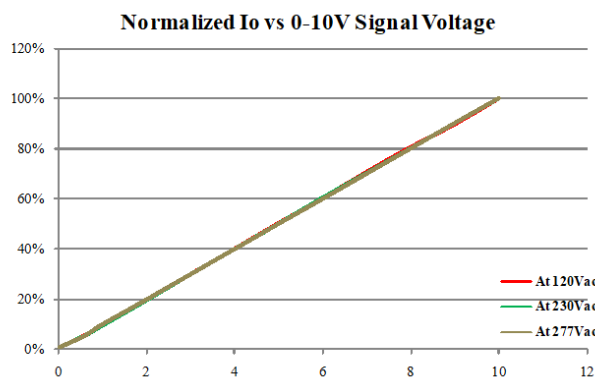
For customers that are interested in sampling the SF compliant version of a driver, samples for evaluation are available. Please contact your sales representative for ordering SF compliant samples. The following model numbers are being provided for sampling purposes:

- ESS030W-0700-42-ISO (representative of ESS, ESST, ESSV series)
- ESS015W-0350-42-ISO (representative of ESS, ESST, ESSV series)
- PSB50W-1200-42-ISO (representative of PSB, PHB series)
- ESP050W-1200-42-ISO (representative of ESP, ESPT, ESPV, ESM, EVM series)

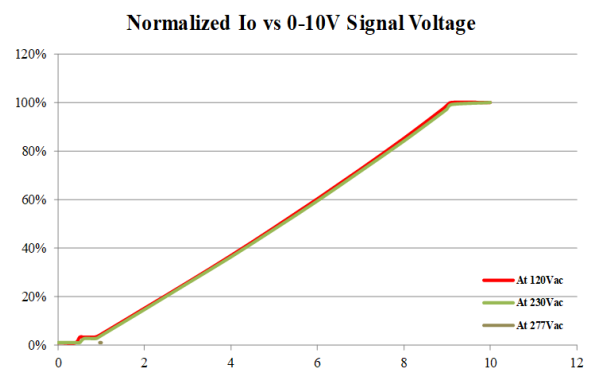
ERP anticipates the manufacture of supplement SF compliant drivers to begin in March 2020. Subsequent product bulletins will be released for each product family with exact date codes of supplement SF implementation.

ESS, ESP, ESM, EVM 0-10V Dimming Profile

CURRENT



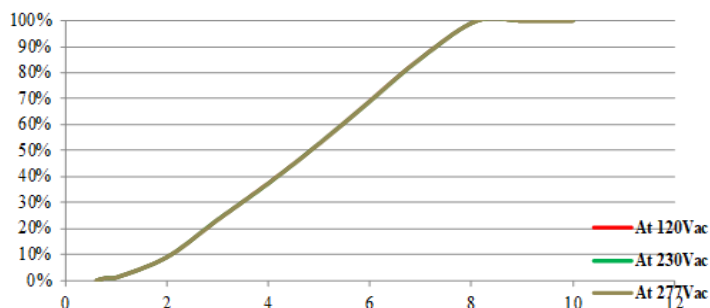
NEW



ESS, ESP, ESM (with -Z1 suffix) 0-10V Dimming Profile

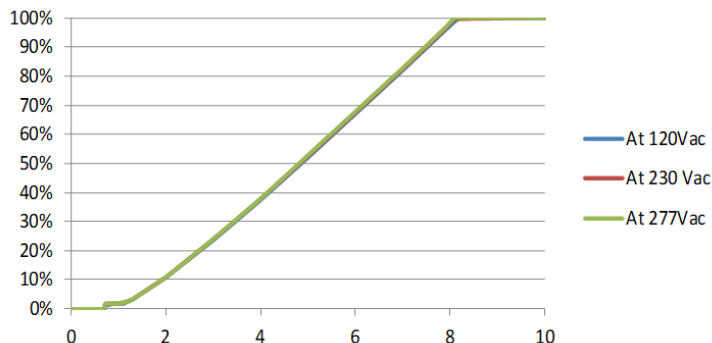
CURRENT

Normalized Io vs 0-10V Signal Voltage



NEW

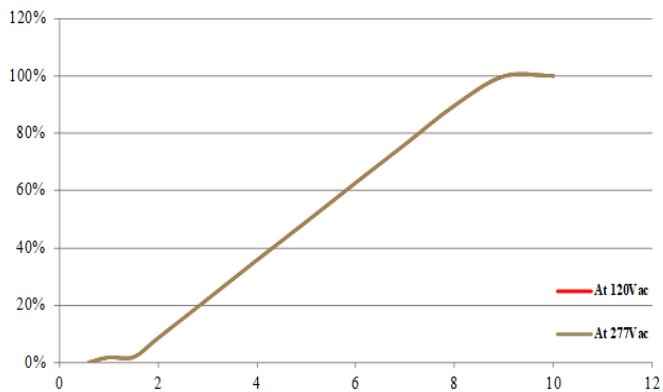
Normalized Io vs 0-10V Signal Voltage



PSB, PHB 0-10V Dimming Profile

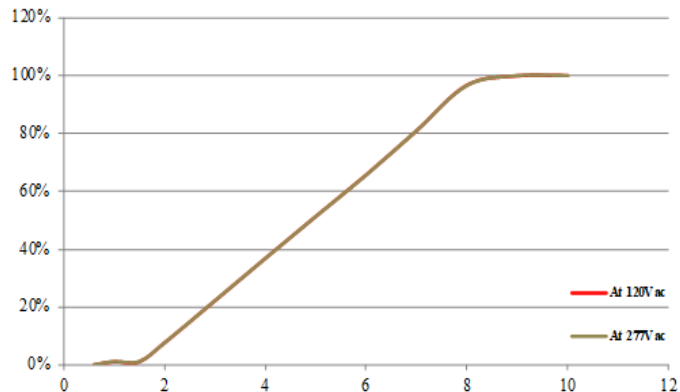
CURRENT

Normalized Io vs 0-10V Signal Voltage



NEW

Normalized Io vs 0-10V Signal Voltage



DATE OF APPROVAL

12/04/2019

List of ERP Standard Part Numbers Affected by UL8750 Supplement SF Compliance

Here below is the list of all the ERP standard part numbers that will be changed to comply with the UL8750 supplement SF requirements. If this list does not include 1 or more specific part numbers that you are currently using, please contact your ERP sales representative immediately.

ERM050W-1800-28	ESS010W-0700-13-Z1	EVM090W-1050-84
ERM060W-0700-82	ESS010W-0750-12	EVM090W-1700-48-N1B
ERM060W-1400-42	ESS015W-0300-42	EVM090W-2000-42-Z1B
ERM060W-1600-42	ESS015W-0350-32	EVM100W-2100-45
ERM060W-1750-40	ESS015W-0350-42	EVM100W-2350-42
ERM060W-2100-28	ESS015W-0350-42-Z1	EVM120W-2700-42
ESM020W-0280-42	ESS015W-0440-25	PHB30W-0500-42
ESM020W-0350-42	ESS015W-0440-34	PHB50W-0850-56
ESM020W-0350-42-Z1	ESS015W-0700-18	PHB50W-1200-42
ESM020W-0400-42	ESS015W-0700-18-Z1	PSB30E-0700-34-T
ESM020W-0440-25	ESS015W-1000-12	PSB30E-0700-42
ESM020W-0440-34	ESS015W-1050-14	PSB30E-0700-42-T
ESM030W-0500-42	ESS015W-1050-14-Z1	PSB30E-1050-27-T
ESM030W-0550-42	ESS020W-0350-56	PSB30W-0700-34
ESM030W-0700-42	ESS020W-0400-42	PSB30W-0700-42
ESM030W-0700-42-Z1	ESS020W-0450-42	PSB30W-0700-42-S
ESM030W-0900-26	ESS020W-0500-32	PSB30W-1050-27
ESM040W-0800-42	ESS020W-0500-34	PSB40E-1400-27-T
ESM040W-0900-42	ESS020W-0700-24	PSB40E-1400-27-T
ESM040W-0940-43	ESS020W-1400-14	PSB40W-1400-27
ESM050W-1050-42	ESS020W-1400-14-Z1	PSB50E-0850-56-T
ESM050W-1200-42	ESS030W-0500-42	PSB50E-1200-42
ESM050W-1400-34	ESS030W-0500-42-Z1	PSB50E-1200-42
ESM060W-1400-42	ESS030W-0550-42	PSB50E-1200-42-T
ESP040W-0700-56	ESS030W-0550-42-Y1	PSB50E-1400-34-T
ESP040W-0900-42	ESS030W-0620-42	PSB50W-0550-85
ESP050W-1050-42	ESS030W-0700-32	PSB50W-0850-56
ESP050W-1200-42	ESS030W-0700-42	PSB50W-1200-42
ESP050W-1400-32	ESS030W-0700-42-Z1	PSB50W-1200-42-S
ESP060W-1400-42	ESS030W-0900-27	PSB50W-1400-34
ESPT040W-0800-42-Z1	ESS030W-0900-32	SLM090W-2.1-42-TC
ESPT050W-1050-42-Z1	ESS030W-1050-21	SLM090W-1.05-84-ZA
ESPT060W-1400-42-Z1	ESS030W-1100-27	SLM100W-1.7-56-TA
ESS010W-0180-42	ESS030W-1750-14	SLM120W-2.0-56-TA
ESS010W-0200-42	ESS030W-1750-14-Z1	SLM140W-1.05-130-ZA
ESS010W-0250-42	ESS040W-0800-42	SLM160W-1.0-160-ZA
ESS010W-0250-42-Z1	ESS040W-0900-42	SLM160W-2.8-56-ZA
ESS010W-0350-24	ESS040W-1400-27	SLM160W-3.9-40-ZA
ESS010W-0500-12	ESST040W-1400-24	TLM090W-2.1-42
ESS010W-0500-18	EVM080W-1900-42	TLM160W-1.8-85