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ENEC-05591-PLUS-M1

Issue date
2026-06-11

This is to acknowledge that

TCI TELECOMUNICAZIONI ITALIA S.R.L

Via Parma 14 Saronno, VA, 21047 Italy

has had

Built-in LED Module

aaMxxxx/yyyeezzzp nnnnnn/iccss
See page 2-3 for additional Information

evaluated and meets the requirements of the EPRS standard

EPRS 001:2025-04 (Based on EN 62717:2017 + A2:2019)

Test Report Nos. 4792004016 issued on 2026-06-08

ENEC License No.(Safety): ENEC-05634-M1 issued on 2026-04-21
Issued by ENEC Member Body: 15, UL International Demko A/S, Borupvang 5A, DK-2750 Ballerup, Denmark

Certification Manager
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TECHNICAL DETAILS

Production site(s)

TCI TELECOMUNICAZIONI ITALIA S.R.L.
Via Parma 5 Saronno, VA, 21047
Italy

Trademark

TCI or TN101 or TCI or TCI LIGHT or TCI LIGHT or TCI or TCI

Ratings

Max: 2750 mA DC tc: 90 °C

See below for further ratings

Additional Information

The report was revised to include technical modifications.

Addition of new LED chip
Updated the speaking code
Updated table: Critical components information

This certificate replaces the certificate no. ENEC-05591-PLUS issued on 2026-01-29

Models (continued from page 1)

Type	Max. input current (A) at 0 Hz	Max. input power (W)	Max. power density (W/cm²)	t_c (°C)	Notes
aaMxxxx/yyyeezzzp nnnnnn/iccss	2,75	75	0,94	85	0,34…0,75 mm² terminal block or headers connector or pads
SLMxxxx/yyyeezzzp nnnnnn/iccss	2,0	425	0,7	90	Metal core pwb 0,34…0,75 mm² terminal block or headers connector or pads

Speaking code meaning:

- **aa**= one or two characters for shape: **L** (linear module); **BL** (linear module); **S** (square module); **F** (finger module); **R** (round module), **AM** (arc module).
- **M**= fixed character = Module.
- **xxxx**= two to four characters, 1st module dimension: length or diameter (20-1400 mm).
- **/**= fixed character, separator, missing if 2nd module dimension is not present.
- **yyy**= two to three characters (it may be missing), 2nd module dimension: width (9-233 mm).
- **ee**= one or two characters; any alphanumeric character(s).
- **zzz**= one to three characters; LED numbers (1-220).
- **p**= one character; position of connector; it may be missing when mounted on the top side or **L** when mounted on the bottom side; **P** pads for soldering of connections.
- **nnnnnn**= Six characters (any alphanumeric characters); commercial code.
- **/**= fixed character, separator, missing if following characters are not present.
- **i**= one character (7- 9); color rendering index (CRI/10).
- **cc**= two characters (27-65); correlated colour temperature, CCT/100;
  T1 is tunable white with 2700/4000 K;
  T2 is tunable white with 2700/5700 K;

T3 is tunable white with 2700/6500 K;
T4 is tunable white with 3000/5000 K;
T5 is tunable white with 2700/5000 K;
T6 is tunable white with 3000/4000 K (except for LED LM281B+);
T7 is tunable white with 2000/3000 K;
T8 is tunable white with 2400/3000 K;
T9 is tunable white with 2000/4000 K (except for LED LM281B+).

- **ss**= **Missing or** one or two characters:

LED Type	**ss**	**Max Current**
LM561B	R or missing	max. I_F=180 mA
LM561B+	S	max. I_F=180 mA
LM281B	E	max. I_F=150 mA
LM301B	V	max. I_F=200 mA
2835C (Luxeon)	L	max. I_F=240 mA
LM281B+*	H BB, BC, CA, W, WR, AD	max. I_F=160 mA max. I_F=200 mA max. I_F=200 mA
LM281B+ PRO	BR, BS, BX CK	max. I_F=200 mA max. I_F=250 mA
LM281B+ PRO VM rank	DI	max. I_F=200 mA
LM281B+ RL rank	CY	max. I_F=200 mA
LM301B EVO	DB	max. I_F=200 mA
LM301D	AP	max. I_F=180 mA
LM302D	AM	max. I_F=200 mA
LH351B	M	max. I_F=1500 mA
LH351C*	I	max. I_F=2000 mA
LH502C	BE	max. I_F=880 mA
LH502D*	CV	max. I_F=800 mA
LUXEON 2835 HE	CE	max. I_F=150 mA
LUXEON 5050 HE	DE	max. I_F=800 mA
LUXEON 5050 Round LES*	G	max. I_F=800 mA
NFSW757HT-V1	DU	max. I_F=200 mA
LH151B	DN	max. I_F=250 mA
LM281B+ VL rank	CW	max. I_F=100 mA
NCSWE17AT-V1	EP	max. I_F=250 mA
BXEN-65E-21L-3F-00-0-3	EM	max. I_F=100 mA
BXFN-65G-21L-3C4-00-0-3	EN	max. I_F=100 mA
JE2835B 3 V N Class	FM	max. I_F=240 mA
BXEN-65E-21M-3C-00-0-3	FJ	max. I_F=145 mA
LUXEON 5050 HE Plus*	ES	max. I_F=800 mA
LUXEON 7070*	GU	max. I_F=400 mA

*LED packages covered by ENEC+ certification
Variant aaMxxxx/yyyeezzzp nnnnnn/iccss covered with ss = H
Variant SLMxxxx/yyyeezzzp nnnnnn/iccss covered with *ss* = I, CV, G, ES, GU

Type	Max Luminous Flux [lm]	Max Supply Current [mA]	Max Power [W]	$T_{p\ Max}$ [°C]	CCT [K]	CRI	Max Efficacy [lm/W]
aaMxxxx/yyyeezzzpnnnnnn/iccss	8250	500	56,5	85	3000 4000 5000	80	146
Ambient Temperature Range: -40 °C ÷ 55 °C							

Type	*"ss" (LED Type)*	Max Luminous Flux [lm]	Max Supply Current [mA]	Max Power [W]	$T_{p\ Max}$ [°C]	CCT [K]	CRI	Max Efficacy [lm/W]
SLMxxxx/yyyeezzzpnnnnnn/iccss	I CV G	75057	1100	423,7	85	2700 3000 3500 4000 5000 5700 6500	70 80 90	207
	ES GU	74628	1200	409,2	85	2700 3000 3500 4000 5700 6500	70 80 90	216
Ambient Temperature Range: -40 °C ÷ 55 °C								

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FORM OF THE ENEC+ MARK

15 is the identification number of the Certification Body
Size of the mark:
The size of the mark may be reduced on the condition that it remains legible and that the ratio b/a=1,7 is kept