

PID:

04010012

CID:

C.1993.5503

Certificato di approvazione

Approval certificate



**IMQ, ente di certificazione accreditato,
autorizza la ditta**

IMQ, accredited certification body, grants to

SGQ N° 005 A EMAS N° 003 P
SGA N° 006 D PRD N° 005 B
SGE N° 006 M PRS N° 080 C
SCR N° 005 F ISP N° 063 E
SSI N° 003 G LAB N° 0121
FSM N° 007 I LAT N° 021

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

**FIVEP SPA
VIA G. A. PRATO 22
38068 ROVERETO TN
IT - Italy**

all'uso del marchio

the licence to use the mark

ENEC 03,IMQ

Il presente certificato è stato rilasciato sotto la presunzione e subordinatamente al fatto che il concessionario detenga tutti i necessari diritti legali relativi ai prodotti presentati per le prove e la certificazione, descritti nell'Allegato al presente certificato; inoltre, esso è soggetto alle condizioni previste nel Regolamento "MARCHI IMQ - Regolamento per la certificazione di prodotti".

La validità dei certificati ENEC è verificabile sul sito www.enec.com

This certificate has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the products presented for testing and certification, and listed in the annex to this certificate; moreover, it is subjected to the conditions foreseen by Rules "IMQ MARKS - RULES for product certification".

Validity of ENEC licences can be checked at www.enec.com



per i seguenti prodotti

**Proiettori
(Serie OLSYS 2)**

for the following products

*Floodlights
(Series OLSYS 2)*

Emesso il | Issued on **2013-02-26**

Aggiornato il | Updated on **2017-09-12**

Sostituisce | Replaces **2013-02-26**

IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il / Issued on 2013-02-26
Aggiornato il / Updated on 2017-09-12
Sostituisce / Replaces 2013-02-26

Prodotto | Product

Proiettori Floodlights

Concessionario | Licence Holder

FIVEP SPA
VIA G. A. PRATO 22
38068 ROVERETO TN
IT - Italy

Marchio | Mark



ENEC
03,IMQ

Costruito a | Manufactured at

97001834	CLROBO.C04PPROBO.P	23875	OSNAGO
95001565	CLROBO.C	38068	ROVERETO

LC Italy
TN Italy

Copia del presente certificato deve essere conservata presso i luoghi di produzione sopra elencati.

Copy of this certificate must be available at the manufacturing places listed above

Norme / Specifiche tecniche

Prodotto/i conforme/i alle Norme/Specifiche tecniche:

EN 60598-1:2015
EN 60598-2-5:2015
IEC/TR 62778:2014
EN 62493:2015
Limitazioni ENEC all. B
Prodotti conformi agli obiettivi di sicurezza della Direttiva B.T.
2014/35/UE (Allegato I).

Standards / Technical specifications

Product/s complying to Standards/Technical specifications:

EN 60598-1:2015
EN 60598-2-5:2015
IEC/TR 62778:2014
EN 62493:2015
ENEC Limitation encl. B
Products meeting the safety objectives of Low Voltage Directive
2014/35/EU (Annex I).

Rapporti | Test Reports

AI17-0008061-04; AI17-0010400-01

Caratteristiche tecniche | Technical characteristics

<i>Tensione nominale / Rated voltage</i>	230V
<i>Grado di protezione / Degree of protection (IP)</i>	IP66
<i>Tipo di installazione / Type of installation</i>	parete/plafone/palo / wall/ceiling/pole
<i>Classificazione del materiale del piano di appoggio / Classification according to material of supporting surface</i>	normalmente incombustibile / normally flammable
<i>Classe di isolamento / Degree of protection (class)</i>	II
<i>Funzionamento all'interno / Indoor use</i>	adatto / able
<i>Serie / Series</i>	OLSYS 2

Articoli (con dettagli) | Articles (with details)

AR.N001NW

<i>Marca / Trade mark</i>	THORN
<i>N.lampade/P.nominale / No.of lamps/Rated wattage</i>	24 LED / 50W
<i>Attacco lampada/tipo / Lamp cap/type</i>	LED
<i>Rif. di tipo / Type ref.</i>	OLSYS2 24L70 730 STR BP8 CL2
<i>Rif. a cat. / Cat. ref.</i>	06OL6ABCDE F
<i>Gruppo di rischio / Risk group</i>	distanza di soglia 2m / threshold distance 2m

AR.R00614

Marca / Trade mark **THORN**

N.lampade/P.nominale / No.of lamps/Rated wattage **24 LED / 50W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 24L70 740 STR BP8 CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2m / threshold distance 2m**

AR.R00615

Marca / Trade mark **THORN**
N.lampade/P.nominale / No.of lamps/Rated wattage **36 LED / 76W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 36L70 740 STR BP8 CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2m / threshold distance 2m**

AR.R00616

Marca / Trade mark **THORN**
N.lampade/P.nominale / No.of lamps/Rated wattage **48 LED / 100W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 48L70 740 STR BP8 CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2m / threshold distance 2m**

AR.R00617

Marca / Trade mark **THORN**
N.lampade/P.nominale / No.of lamps/Rated wattage **24 LED / 50W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 24L70 740 A/S CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2,15m / threshold distance 2,15m**

AR.R00618

Marca / Trade mark **THORN**
N.lampade/P.nominale / No.of lamps/Rated wattage **36 LED / 76W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 36L70 740 A/S CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2,15m / threshold distance 2,15m**

AR.R00619

Marca / Trade mark **THORN**
N.lampade/P.nominale / No.of lamps/Rated wattage **48 LED / 100W**
Attacco lampada/tipo / Lamp cap/type **LED**
Rif. di tipo / Type ref. **OLSYS2 48L70 740 A/S CL2**
Rif. a cat. / Cat. ref. **06OL6ABCDE F**
Gruppo di rischio / Risk group **distanza di soglia 2,15m / threshold distance 2,15m**

Ulteriori informazioni | Additional Information

Descrizione della serie OLSYS2

06OL6: codice che identifica la serie

A: Identifica il numero di LED => C4: 24 LED - D6: 36 LED - E8: 48 LED
B: Identifica la corrente del LED => 0: 700mA
C: Identifica la temperatura del colore del LED => 0: 4000K - 9: 3000K
D: Identifica il tipo ottico => 2: LT-5 - 6: LT-L
E: Identifica il colore
F: Identifica il tipo di cablaggio => HM3: versione con cablaggio autoapprendimento ALVIT

Description of the series OLSYS2

06OL6: code that identifies the series

A: Identifies the number of the LED => C4: 24 LED - D6: 36 LED - E8: 48 LED
B: Identifies the current of the LED => 0: 700mA
C: Identifies the color temperature of LED => 0: 4000K - 9: 3000K
D: Identifies the optical type => 2: LT-5 - 6: LT-L
E: Identifies the colour
F: Identifies wiring type => HM3: version with self-learning wiring ALVIT



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Rea Milano 1595884
Registro Imprese Milano 12898410159
C.F./P.I. 12898410159
Capitale Sociale €4.000.000

CA04.08346

SN.N0005Q

Componenti | Component List

Vedere apposito elenco /See relevant annex

Emesso il | Issued on **2013-02-26**

Aggiornato il | Updated on **2017-09-12**

Sostituisce | Replaces **2013-02-26**

Diritti di concessione | Annual Fees

SN.N0005Q

BTR.040100.DD23

Importo modelli ENEC - 0401 - Apparecchi di illuminazione e accessori | ENEC models - 0401 -
Luminaires

1

(*) Each Component / Material is signed by a letter having the following meaning

A – Approved component/material replaceable with another one, also certified, with equivalent characteristics

B – The component/material is replaceable if authorised by the Test House

C – Integrated component/material tested together with the appliance

D – Alternative component/material

COMPONENT/MATERIAL LIST ANNEXED TO LICENCE No. CA04.08346 / TRF No. AI17-0008061-04
(To be attached to the relevant TRF and/or license)

Components list of luminaires with 24 led

Type of component or material	Letter (*)	Manufacturer Trademark	Type Model	Technical data	Complies with the standard(s)	Mark(s) of conformity
Electronic control gear for LED module	B	ALVIT	ALSM6070/1-10-IP	PRI 220-240V Iout 700mA max SEC 110V SELV max 60W tc 85°C	IEC 61347-1 IEC 61347-2-13	ENEC 05
Connecting device	A	A.A.G. STUCCHI	676/V-ST	6A 400V T85°C	IEC 60998-1 IEC 60998-2-1	ENEC 03
Connecting device	A	BM	BM 9200	2,5 mm ² 400V	IEC 60998-1 IEC 60998-2-1	ENEC 03
Internal connector	A	BM	BM 01042 BM 01032	300V 15A	IEC 60598-1	INTEGR.
Internal wiring	A	BLF	FG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	BLF	UG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	LATRIVENETAC AVI	H07RN-F	2x1,5 mm ²	Tested acc. to IEC 60598-1 clause 5	HAR
Varistor	B	LITTELFUSE	TMOV20RP320 E	10 kV	IEC61051-1 IEC61051-2 IEC61051-2-2	VDE
Resistors High Voltage	B	VISHAY	VR37	2,2 Mohm 10kV	IEC 60065, clause 14.1	VDE
LED module	B,C	FIVEP	600001527	24 LED 3000K 50W 700mA XP-G2	IEC 62031 +A1 +A2	AUT. IMQ SN.R000EW
LED module	B,C	FIVEP	600001517	24 LED 4000K 50W 700mA XP-G2	IEC 62031 +A1 +A2	AUT. IMQ SN.R000EW
Connector	A	TECHNO	THP387	450V 17,5A T125°C	IEC 61984	IMQ
Printed board material circuits (varistore – capacitor)	B-C	ISOLA	DE 104	UL94 V-O	IEC IEC 60249	VDE

(*) These columns are filled in by IMQ. Queste colonne sono compilate a cura dell'IMQ.

(**) CSv: Certificate under Surveillance. CSv: Certificato di sorveglianza

(*) Each Component / Material is signed by a letter having the following meaning

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D – Alternative component/material

COMPONENT/MATERIAL LIST ANNEXED TO LICENCE No. CA04.08346 / TRF No. AI17-0008061-04
(To be attached to the relevant TRF and/or license)

Components list of luminaires with 36 led

Type of component or material	Letter (*)	Manufacturer Trademark	Type Model	Technical data	Complies with the standard(s)	Mark(s) of conformity
Electronic control gear for LED module	B	ALVIT	ALSM10070/1-10-IP	PRI 220-240V Iout 700mA max SEC 160V max 100W tc 85°C	IEC 61347-1 IEC 61347-2-13	ENEC 05
Connecting device	A	A.A.G. STUCCHI	676/V-ST	6A 400V T85°C	IEC 60998-1 IEC 60998-2-1	ENEC 03
Connecting device	A	BM	BM 9200	2,5 mm ² 400V	IEC 60998-1 IEC 60998-2-1	ENEC 03
Internal connector	A	BM	BM 01042 BM 01032	300V 15A	IEC 60598-1	INTEGR.
Internal wiring	A	BLF	FG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	BLF	UG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	LATRIVENETAC AVI	H07RN-F	2x1,5 mm ²	Tested acc. to IEC 60598-1 clause 5	HAR
Varistor	B	LITTELFUSE	TMOV20RP320E	10 kV	IEC61051-1 IEC61051-2 IEC61051-2-2	VDE
Resistors High Voltage	B	VISHAY	VR37	2,2 Mohm 10kV	IEC 60065, clause 14.1	VDE
LED module	B,C	FIVEP	600001528	36 LED 3000K 76W 700mA	IEC 62031 +A1 +A2	AUT. IMQ SN.R000EW
LED module	B,C	FIVEP	600001518	36 LED 4000K 76W 700mA	IEC 62031 +A1 +A2	AUT. IMQ SN.R000EW
Connector	A	TECHNO	THP387	450V 17,5A T125°C	IEC 61984	IMQ
Printed board material circuits (varistore – capacitor)	B-C	ISOLA	DE 104	UL94 V-O	IEC IEC 60249	VDE

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D – Alternative component/material

COMPONENT/MATERIAL LIST ANNEXED TO LICENCE No. CA04.08346 / TRF No. AI17-0008061-04
(To be attached to the relevant TRF and/or license)

Components list of luminaires with 48 led

Type of component or material	Letter (*)	Manufacturer Trademark	Type Model	Technical data	Complies with the standard(s)	Mark(s) of conformity
Electronic control gear for LED module	B	ALVIT	ALSM10070/1-10-IP	PRI 220-240V Iout 700mA max SEC 160V max100W tc 85°C	IEC 61347-1 IEC 61347-2-13	ENEC 05
Connecting device	A	A.A.G. STUCCHI	676/V-ST	6A 400V T85°C	IEC 60998-1 IEC 60998-2-1	ENEC 03
Connecting device	A	BM	BM 9200	2,5 mm ² 400V	IEC 60998-1 IEC 60998-2-1	ENEC 03
Internal connector	A	BM	BM 01042 BM 01032	300V 15A	IEC 60998-1 IEC 60998-2-1	INTEGR.
Internal wiring	A	BLF	FG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	BLF	UG4G4	1x1mm ²	Tested acc. to IEC 60598-1 clause 5	CSv - IMQ
Internal wiring	A	LATRIVENETAC AVI	H07RN-F	2x1,5 mm ²	Tested acc. to IEC 60598-1 clause 5	HAR
Varistor	B	LITTELFUSE	TMOV20RP320E	10 kV	IEC61051-1 IEC61051-2 IEC61051-2-2	VDE
Resistors High Voltage	B	VISHAY	VR37	2,2 Mohm 10kV	IEC 60065, clause 14.1	VDE
LED module	B,C	FIVEP	600001519	48 LED 4000K 100W 700mA	IEC 62031 +A1 +A2	AUT. IMQ SN.R000EW
Connector	A	TECHNO	THP387	450V 17,5A T125°C	IEC 61984	IMQ
Printed board material circuits (varistore – capacitor)	B-C	ISOLA	DE 104	UL94 V-O	IEC IEC 60249	VDE

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