



URBAN RENAISSANCE

THE PROGRAM THAT
UPGRADED THE HISTORICAL
LIGHTS OF 12 UNESCO
HERITAGES SITES
AND + 260 HISTORICAL CITY
CENTERS IN THE WORLD



ONE
OF A KIND

Made in Italy





THE PROGRAM THAT
UPGRADED THE HISTORICAL
LIGHTS OF 12 UNESCO
HERITAGES SITES
AND + 260 HISTORICAL CITY
CENTERS IN THE WORLD

VENICE
BOLOGNA
REPUBLIC OF SAN MARINO
COPENHAGEN
GUANAJUATO
SAN MIGUEL DE ALLENDE
NAPLES
SIENA
GUADALAJARA
MONTECATINI TERME
ANTIGUA GUATEMALA
RIVOLI

VENICE - ITALY

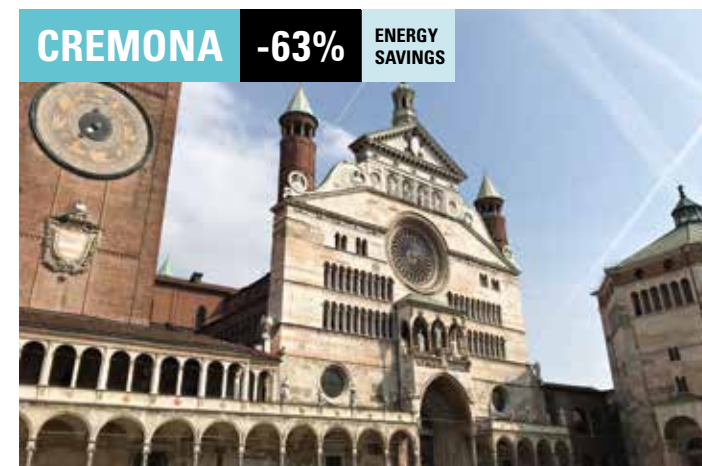
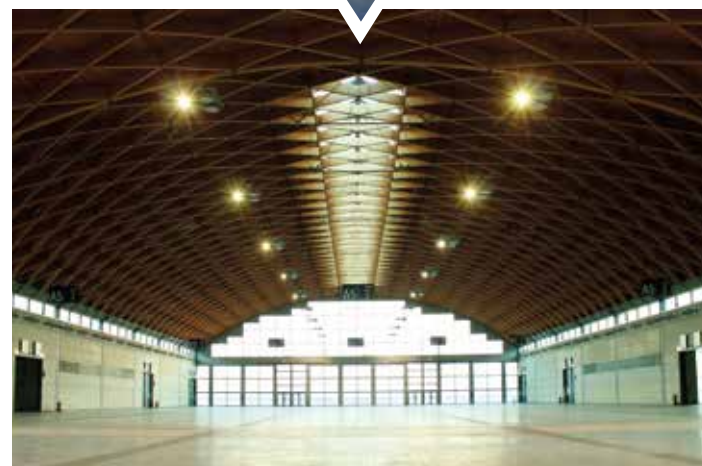
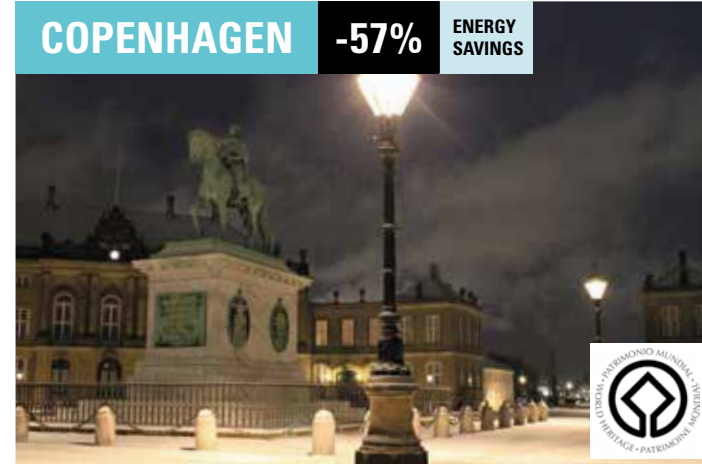
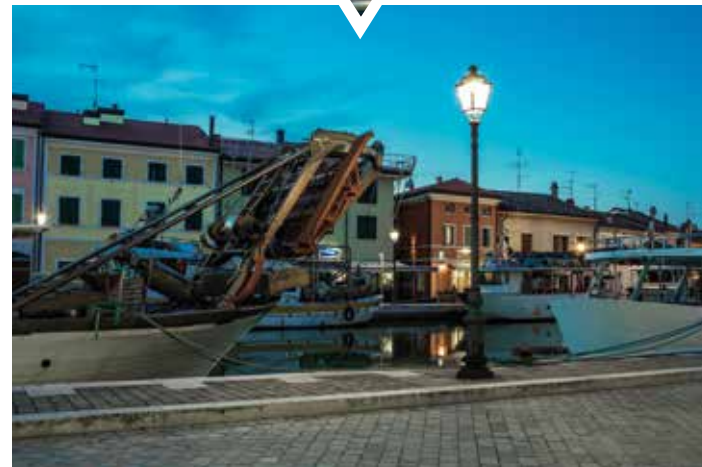
LIGHTING PROJECTS

AEROPORTO DI NAPOLI
APECCHIO
BASIGLIO
BIBBONA
BOLOGNA
BULCIAGO
BUONCONVENTO
CAMAÇARI
CAMAIORE
CAPOLIVERI
CAPRANICA
CARATE BRIANZA
CASALPUSTERLENGO
CASORATE PRIMO
CASTELFRANCO EMILIA
CASTELLI CALEPIO
CASTIGLIONE DEI PEPOLI
CENTO
CESENATICO
CHIOGGIA
CHIVASSO
CITTÀ DEL MESSICO
CITTÀ METROPOLITANA DI VENEZIA
COMACCHIO
COPENHAGEN
CREMONA
EDEKA
FELIZZANO
FIERA INTERNAZIONALE DI RIMINI
FOLLONICA
GUADALAJARA
GUANAJUATO
GUARDISTALLO
ISEO
LERICI
LIDO DI VENEZIA - PELLESTRINA
MURANO - BURANO - TORCELLO
LONATO
MAGLIANO IN TOSCANA
MARCIANA
MELEGNANO
MERDINGEN
MESTRE
MONTE SAN GIUSTO
MONTECATINI TERME
MORCIANO DI ROMAGNA
NAPOLI
NICHELINO
OSTELLATO

OSPEDALE CATTOLICA
OSPEDALE NOVADELTRIA
OSPEDALE RICCIONE
OSPEDALE RIMINI
OSPEDALE SANTARCANGELO
PALAZZOLO
PAVIA
PAVONE DEL MELLA
PIACENZA
POGGIO TORRIANA
PONSACCO
PONTE DA BARCA
PORTIMÃO - PRAIA DA ROCHA
PRAIA DOS LAGOS
PRATO
PROVINCIA DI RIMINI
REPUBBLICA DI SAN MARINO
REVELLO
RIMINI
RIVA LIGURE
RIVOLI
ROMANO DI LOMBARDIA
RONCO BRIANTINO
RONCO SCRIVIA
ROSIGNANO
SAN GIORGIO IN PIANO
SAN MARTINO DI VENEZZE
SAN MIGUEL DE ALLENDE
SANTARCANGELO DI ROMAGNA
SAVIGNANO SUL RUBICONE
SEGRATE
SERRAVALLE SCRIVIA
SETTIMO TORINESE
SIENA
SOMMA LOMBARDO
STAUFEN
TAGGIA
TALAMELLO
TREIA
TRENTO
TUNNEL MONTE BIANCO
VALBREMBO
VALDERICE
VENEZIA
VERUCCHIO
VIADANA
VIAREGGIO
VIGEVANO PAVIA



LIGHTING PROJECTS



MODULO ACORN

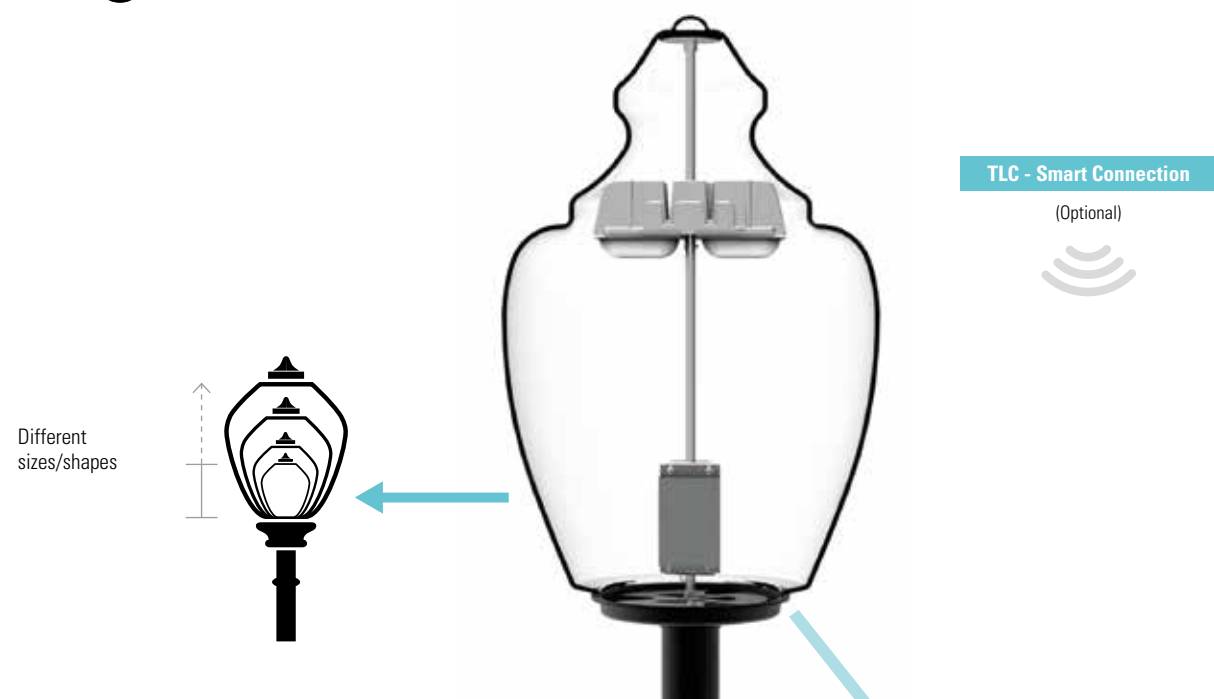
Independent high performance LED module for retrofitting existing acorn type luminaires

NEW

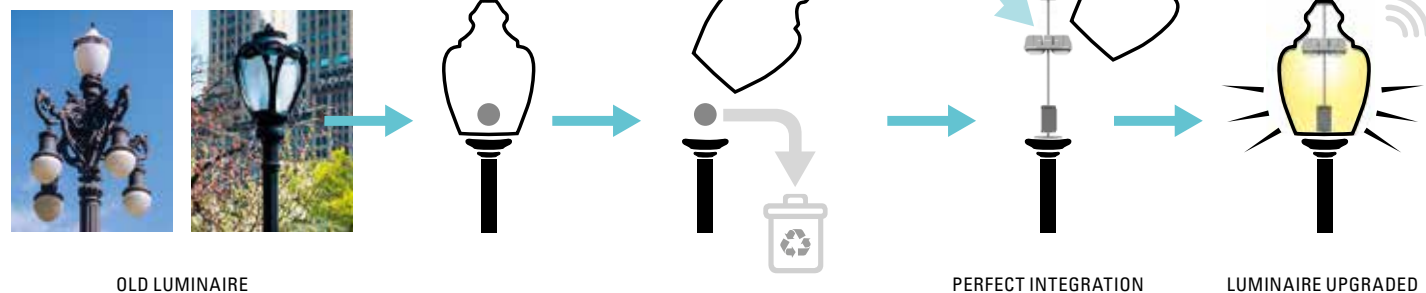
Design R&D Litek



Patent pending



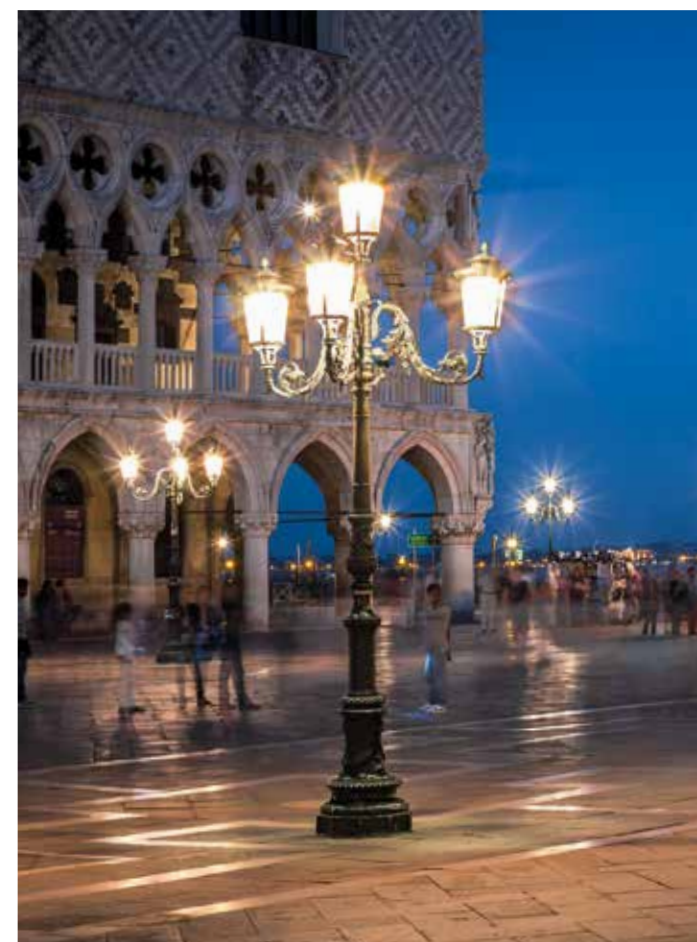
RETROFIT/RE-LAMPING



Stand-alone LED module (Litek R&D design) both electrically and mechanically, with very high performance, for upgrading existing fixtures/lamps of various shapes. Made of aluminum and steel, with PC protective screen. Neutral light color 4000 K (available on request: warm 3000 K, warmer 2700 K and very warm 2200 K), CRI 70 (80 and 90 on request). Light engine consisting of a high-power LED with direct soldering on 15/10 pure aluminum

circuits. Various types of features (OF, DM, TLC, NEMA, LUMAWISE); high-level heat dissipation system Litek TCS (Thermal Cooling System). Power supply 100/277Volts 50/60Hz, cos-fi corrected power factor ≥ 0.9 , class I (class II on request), very high efficiency electronic driver. Driver having microprocessor with overvoltage protection up to 6kV. Weight 2/2.5 kg. CE marking and cULus certification, patent pending.

MODULO ACORN



MODULO ACORN PERFECT INTEGRATION



MODULO
ACORN

LUMEN OUTPUT - WATTAGES TABLE

Version/Item	Wattage (W)	Luminaire consumption (W)	Current (mA)	LED Flux (Tj=25°C, 4000 K CRI70)	LED Flux (Tj=25°C, 3000 K CRI70)	LED Flux (Tj=25°C, 2700 K CRI70)	LED Flux (Tj=25°C, 2200 K CRI70)
MA028aa2504f11	28	32	250	5886	5886	5444	4926
MA041aa3504f11	41	46	350	8043	8043	7439	6731

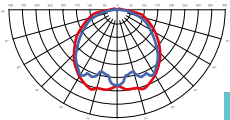
Fixture color: B = Anthracite - f = other colors on request

Function: 1 = OF on-off - 3 = DM Dimmable 1-10Vdc - 4 = TLC Remote control - 5 = DA Dimmable DALI / DALI-2 - 7 = base NEMA - 8 = base LUMAWISE

Insulation Class: Class I (Class II on request)

 **PLEASE NOTE:** actual fluxes change according to the optics. For all values / information on other optics and / or technical specifications and / or tolerances, also ask the technical office (tecnico@litek.it) Litek or refer to the technical section of the most updated catalog in force; performance values may vary without notice and / or according to market availability.

aa = OPTICS



NEW

AY=3DMA space diffuser



SERIES DATA SHEET

General:	
Series	Modulo Acorn
Version / Item	See table
Type	LED module
Materials:	
Mechanical structure	Patented system of an aluminum heat sink anchored on a steel bar
Diffuser	Polycarbonate optic
Screws	Screws in galvanized steel
Color	n.a.
Weight	2/2.5Kg. (4.4/5.5 lbs) approx.
Dimensions	200x100mm (7 7/8" x 3 15/16") minimum
Applications:	
Lighting	Streets, avenues, historical city centres, urban areas
Mounting	Adaptable Litek's patented mounting system
Power supply cable	AWG17
Accessories	On request
Optics:	
Lumen Output (LED)	From 5637 to 7704 Lm @ 3000 K
Light color	3000 K (4000 K, 2700 K, 2200 K on request)
Optics	3DMA space diffuser
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	High-power MULTIDIE
Wattage	From 28 to 41 W
Luminaire Consumption	From 32 to 46 W
PFC Cos-fi	≥0,9
Power supply	Voltage 100/277 Vac, frequency 50/60 Hz
Driver current	From 250 to 350 mA
Output type	Class I (Class II on request)
Heat management	TCS - Thermal Cooling System
Functionality	OF, DM, TLC, NEMA, LUMAWISE
Driver protection	Surge up to 6kV
Ambient storage temperature	-40° C / + 85° C (-40° F / +185° F)
Operating external ambient temperature	-40° C / +50° C (-40° F / +122° F)
LED lifetime	>60'000hr L80B10 @700 mA
Reference Standards Certification	CE, cULus
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks:

 UNI EN ISO9001:2015 N°2764 CERTIFIED QUALITY

10www.litek.itMade in Italy

Made in Italywww.litek.it11

MODULO UNIVERSALE 2.0

Independent high performance LED module
for relamping on existing lanterns

Design R&D Litek



TLC - Smart Connection

(Optional)



Total cut-off

RETROFIT/RE-LAMPING



OLD LUMINAIRE



PERFECT INTEGRATION



LUMINAIRE UPGRADED

LED module (Litek R&D design) electrically and mechanically self-contained, high performance for insertion and upgrading of existing fixtures/lanterns specifically designed for LED technology. Die-cast aluminum mold with polyester powder-coated exterior in "Anthracite" RAL 7016 embossed color ("Silver" RAL 9006 embossed, or other color, upon request) and custom-made aluminum interface system painted in long-lasting anthracite polyester powder coat, with extra-clear 4 mm tempered glass protective screen (excluding 3D vers.). Neutral light tones 4000 K (available on request with light: warm 3000 K, very warm 2700 K, and very warm 2200 K), light emission certified totally cut-off in accordance with LL.RR. regulations against light pollution. Light assemblies composed of MULTICHIP ceramic-based power LEDs in the STANDARD version, and MULTIDIE high-power street lights in the

ECO versions, with Direct remelting on 15/10 pure aluminum circuits; LEDs electrically isolated by thermal dissipation system, Vdc constant current LED driving system (350 to 700 mA). Various types of operation/ignition (RO, OF, DMP, DM, TLC, DA, CLO); LITEK redundant TCS (Thermal Cooling System) heat dissipation system with automatic safety temperature control. 110/240Volt 50/60Hz power supply, rephased to cos-φ ≥ 0.95, class II insulation (class I on request), electronic power supply with microprocessor control very high efficiency totally resined (Made in Italy) with overvoltage protection up to 10kV both common mode and differential mode, power rating max 46W. Degree of impact protection IK08 and IP66 to penetration, stainless steel external hardware, weight 2/2.5kg. CB, ENEC, cULus international certification and CE marking. Made in Italy luminaire and driver.

MODULO UNIVERSALE 2.0



CESENATICO - ITALY



COMACCHIO - ITALY

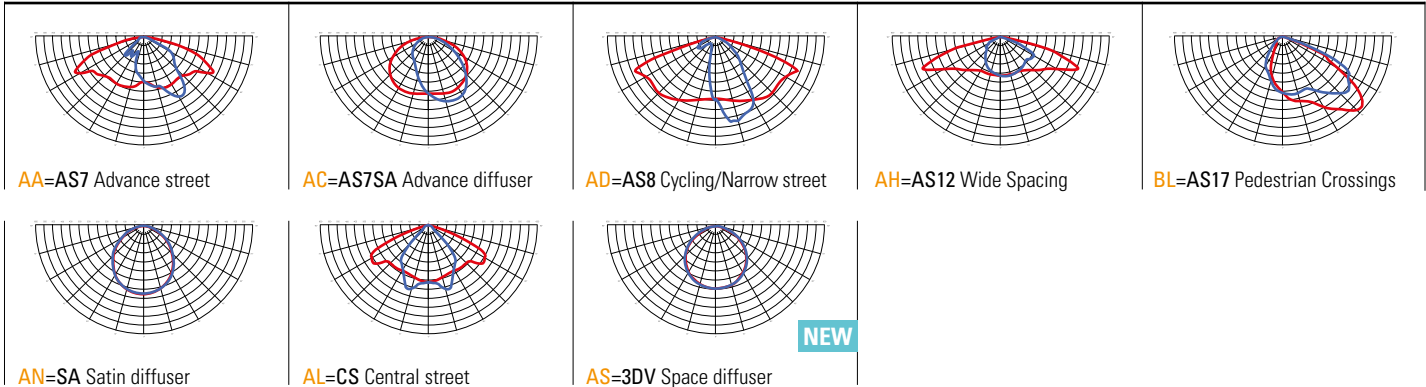


SAN MIGUEL DE ALLENDE - MEXICO

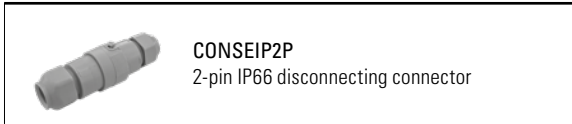
LUMEN OUTPUT - WATTAGES TABLE

Version/Item	Wattage (W)	Luminaire consumption (W)	Current (mA)	LED Flux (Tj=25°C, 4000 K CRI70)	LED Flux (Tj=25°C, 3000 K CRI70)	LED Flux (Tj=25°C, 2700 K CRI70)	LED Flux (Tj=25°C, 2200 K CRI70)
STANDARD Version							
MX015aa3504B12	15	18	350	2938	2738	2566	ND
MX020aa4504B12	20	23	450	3670	3420	3205	ND
MX024aa5304B12	24	28	530	4230	3942	3695	ND
MX031aa7004B12	31	36	700	5360	4994	4681	ND
MX030aa3504B12	30	35	350	5876	5476	5132	ND
MX040aa4504B12	40	46	450	7340	6840	6411	ND
MX046aa5104B12	46	51	510	8185	7627	7148	ND
ECO Version							
MX008aa3504B12	8	10	350	1609	1609	1489	1346
MX011aa4504B12	11	13	450	2021	2021	1870	1691
MX013aa5304B12	13	16	530	2339	2339	2164	1957
MX017aa7004B12	17	21	700	2984	2984	2762	2497
MX016aa3504B12	16	19	350	3217	3217	2978	2692
MX021aa4504B12	21	24	450	4041	4041	3740	3382
MX025aa5304B12	25	29	530	4677	4677	4329	3914
MX035aa7004B12	35	38	700	5968	5968	5524	4994
Fixture color: B = Anthracite - f = other colors on request							
Function: 0 = RO Rotary scenario - 1 = OF on-off - 2 = DMP Night reduction - 3 = DM Dimmable 1-10Vdc - 4 = TLC Remote control - 5 = DA Dimmable DALI / DALI-2 - 9 = Costant light output							
Insulation Class: Class II (Class I on request)							
 PLEASE NOTE: actual fluxes change according to the optics. For all values / information on other optics and / or technical specifications and / or tolerances, also ask the technical office (tecnico@litek.it) Litek or refer to the technical section of the most updated catalog in force; performance values may vary without notice and / or according to market availability.							

aa = OPTICS



ACCESSORIES



SERIES DATA SHEET

General:	
Series	Modulo universale 2.0
Version / Item	See table
Type	LED module
Materials:	
Mechanical structure	Die-cast aluminium
Degree of protection	IP66, impact resistance IK08
Screen	Extra clear 4mm tempered glass (excluded 3D version)
Surface protection	Long-lasting polyester powder coating
Screws	External bolts in stainless steel Aisi-304 or nylon insulators
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	2/2.5Kg. approx.
Dimensions	Ø250 minimum
Inclination	ND
Applications:	
Lighting	Streets, historical city centres, urban areas
Mounting	Via custom-made face-plate included
Power supply cable	2x0.75 mm² (IP66 connector available on request)
Accessories	On request
Optics:	
Lumen Output (LED)	From 2938 to 8185 Lm (STANDARD) @ 4000 K From 1609 to 5968 Lm (ECO) @ 4000 K
Light color	4000 K (3000 K ,2700 K ,2200 K on request)
Optics	AS7, AS7SA, AS8, AS12, AS17, SA, CS, 3DV High efficiency PMMA optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	Ceramic based high-power MULTICHIP (STANDARD); high-power Multi-die (ECO)
Wattage	From 15 to 46 W (STANDARD), from 8 to 35 W (ECO)
Luminaire Consumption	From 10 to 51 W
Power supply	Voltage 110/240 Vac, frequency 50/60 Hz
PFC Cos-fi	>0,95
LED current	From 350 to 700 mA
Insulation class	Class II (class I on request)
Heat management	TCS - Thermal Cooling System
Functionality	RO, OF, DMP, DM, TLC, DA, CLO
Protection	Surge common mode / differential up to 10 / 10kV
Ambient storage temperature	-40° C / +85° C
Ambient Operating Temperature	-40° C / +50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	Photobiological EN 62471:2009 and IEC/TR 62778; electrical safety EN 60598-1-2-3; EN 60529; EN 50102; IEC 64-7. ENEC, cULus, CE marking and international certification CB Dekra
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks:



UNI EN ISO9001:2015 N°2764 CERTIFIED QUALITY

MODULO UNIVERSALE

Independent high performance LED module
for relamping on existing lanterns

Design R&D Litek



Optics 3DV

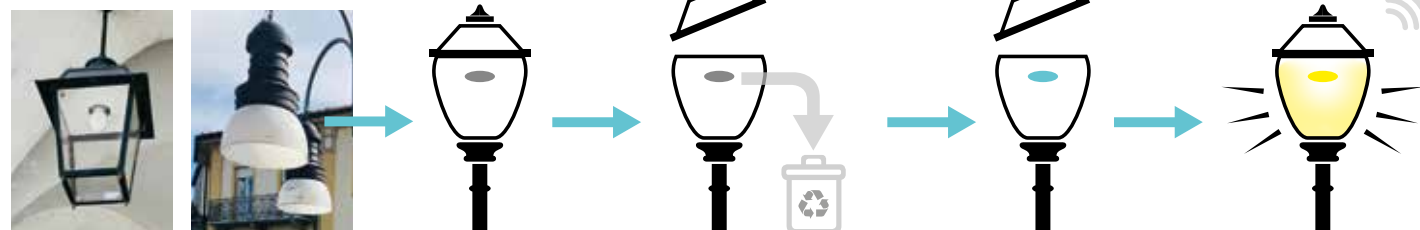
TLC - Smart Connection

(Optional)



Total cut-off

RETROFIT/RE-LAMPING



OLD LUMINAIRE

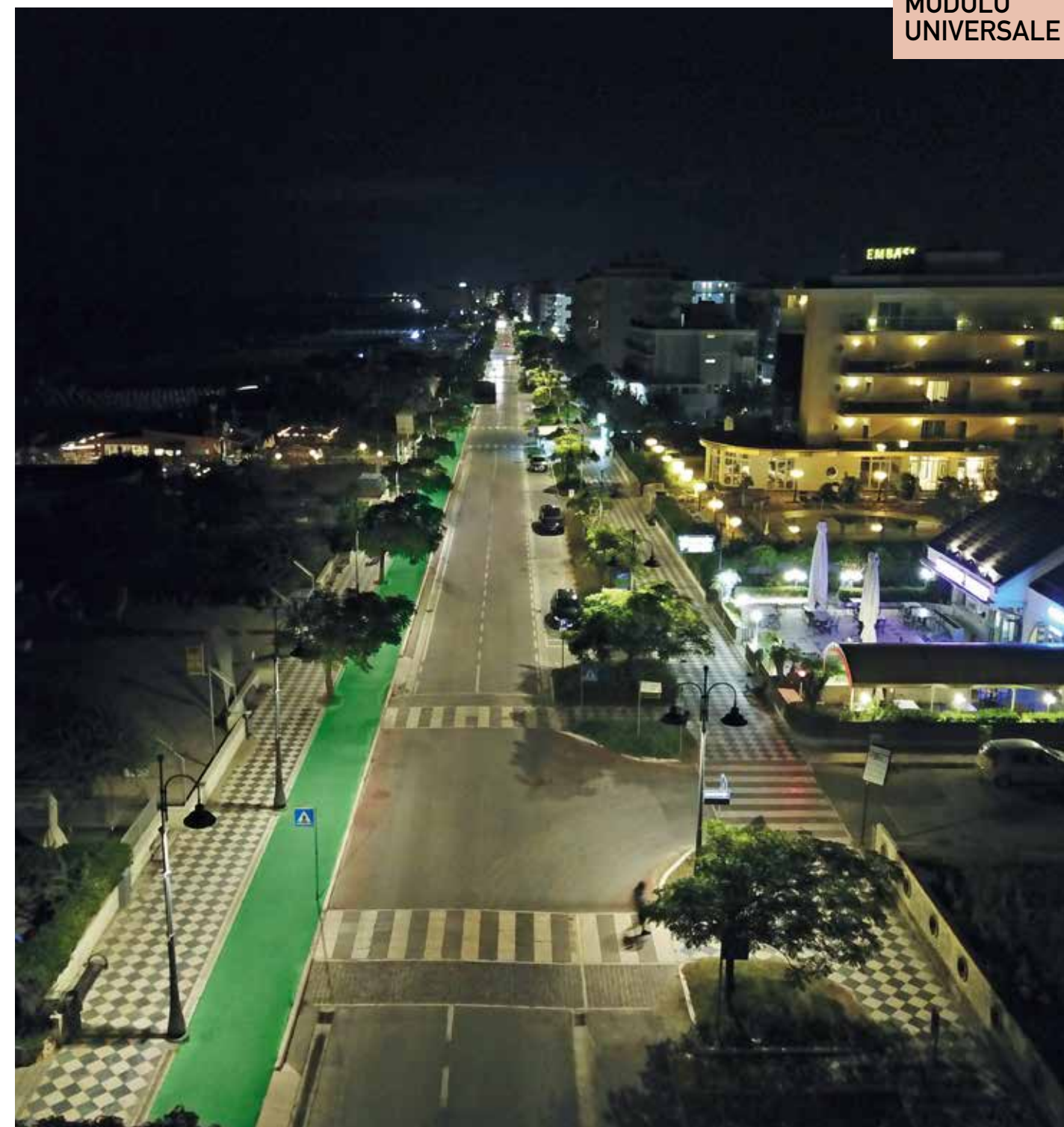
PERFECT INTEGRATION

LUMINAIRE UPGRADED

Stand-alone LED module (Litek R&D design), both electrically and mechanically, high performance for insertion and upgrading of existing fixtures/lanterns specifically designed for LED technology. Aluminum mold with long-lasting protective treatment of aluminum anodization. Custom aluminum interface system with polyester powder-coated exterior in "Anthracite" RAL 7016 embossed color ("Silver" RAL 9006 embossed, or other color, upon request), extra-clear 4 mm tempered glass protective screen (excluding 3D vers.). Neutral light shade 4000 K (available on request with light: warm 3000 K, very warm 2700 K, and very warm 2200 K), light emission certified totally cut-off in accordance with LL.RR. regulations against light pollution. Light assemblies composed of MULTICHIP ceramic-based power LEDs in the STANDARD version, and MULTIDIE high-power roadways in

the ECO versions, with direct recast on 15/10 pure aluminum circuits; LEDs electrically insulated by thermal dissipation system, Vdc constant current LED driving system (350 to 700 mA). Various operation/ignition types (RO, OF, DMP, DM, TLC, DA, CLO); redundant LITEK heat dissipation system TCS (Thermal Cooling System) with automatic safety temperature control. Power supply 110/240Volt 50/60Hz, rephased to cos-fi ≥0.95, class II insulation (class I on request), electronic power supply with very high efficiency microprocessor control totally resined (Made in Italy) with overvoltage protection up to 10kV both common mode and differential mode, max rated power 46W. IP66 and IK08 degree of protection, stainless steel external hardware, weight approx. 2/2.5kg. CB, ENEC international certification and CE marking. Made in Italy luminaire and driver.

MODULO
UNIVERSALE



CESENATICO - ITALY



COPENHAGEN - DENMARK



REPUBBLICA DI SAN MARINO

MODULO
UNIVERSALE

LUMEN OUTPUT - WATTAGES TABLE

Version/Item	Wattage (W)	Luminaire consumption (W)	Current (mA)	LED Flux (Tj=25°C, 4000 K CRI70)	LED Flux (Tj=25°C, 3000 K CRI70)	LED Flux (Tj=25°C, 2700 K CRI70)	LED Flux (Tj=25°C, 2200 K CRI70)
STANDARD Version							
MU015aa3504B12	15	18	350	2938	2738	2566	ND
MU020aa4504B12	20	23	450	3670	3420	3205	ND
MU024aa5304B12	24	28	530	4230	3942	3695	ND
MU031aa7004B12	31	36	700	5360	4994	4681	ND
MU030aa3504B12	30	35	350	5876	5476	5132	ND
MU040aa4504B12	40	46	450	7340	6840	6411	ND
MU046aa5104B12	46	51	510	8185	7627	7148	ND
ECO Version							
MU008aa3504B12	8	10	350	1609	1609	1489	1346
MU011aa4504B12	11	13	450	2021	2021	1870	1691
MU013aa5304B12	13	16	530	2339	2339	2164	1957
MU017aa7004B12	17	21	700	2984	2984	2762	2497
MU016aa3504B12	16	19	350	3217	3217	2978	2692
MU021aa4504B12	21	24	450	4041	4041	3740	3382
MU025aa5304B12	25	29	530	4677	4677	4329	3914
MU035aa7004B12	35	38	700	5968	5968	5524	4994
Fixture color: B = Anthracite - f = other colors on request							
Function: 0 = RO Rotary scenario - 1 = OF on-off - 2 = DMP Night reduction - 3 = DM Dimmable 1-10Vdc - 4 = TLC Remote control - 5 = DA Dimmable DALI / DALI-2 - 9 = CLO Costant light output							
Insulation Class: Class II (Class I on request)							
PLEASE NOTE: actual fluxes change according to the optics. For all values / information on other optics and / or technical specifications and / or tolerances, also ask the technical office (tecnico@litek.it) Litek or refer to the technical section of the most updated catalog in force; performance values may vary without notice and / or according to market availability.							

aa = OPTICS

AA=AS7 Advance street

AC=AS7SA Advance diffuser

AD=AS8 Cycling/Narrow street

AH=AS12 Wide Spacing

BL=AS17 Pedestrian Crossings

AN=SA Satin diffuser

AL=CS Central street

AS=3DV Space diffuser

NEW

ACCESSORIES

CONSEIP2P
2-pin IP66 disconnecting connector

SERIES DATA SHEET

General:	
Series	Modulo Universale
Version / Item	See table
Type	LED module
Materials:	
Mechanical structure	Extruded and molded aluminium
Degree of protection	IP66, impact resistance IK08
Screen	Extra clear 4mm tempered glass (excluded 3D version)
Surface protection	External bolts in stainless steel Aisi-304 or nylon insulators (plate)
Screws	External bolts in stainless steel Aisi-304 or nylon insulators
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	2/2.5Kg. approx.
Dimensions	Ø220 minimum
Inclination	ND
Applications:	
Lighting	Street, historical city centres, urban areas
Mounting	Via custom-made face plate included
Power supply cable	2x0.75 mm² (IP66 connector available on request)
Accessories	On request
Optics:	
Lumen Output (LED)	From 2938 to 8185 Lm (STANDARD) @ 4000 K From 1609 to 5968 Lm (ECO) @ 4000 K
Light color	4000 K (3000 K ,2700 K ,2200 K on request)
Optics	AS7, AS7SA, AS8, AS12, AS17, SA, CS, 3DV High efficiency PMMA optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	Ceramic based high-power MULTICHIP (STANDARD); high-power Multi-die (ECO)
Wattage	From 15 to 46 W (STANDARD), from 8 to 35 W (ECO)
Luminaire Consumption	From 10 to 51W
Power supply	Voltage 110/240 Vac, frequency 50/60 Hz
PFC Cos-fi	>0,95
LED current	From 350 to 700 mA
Insulation class	Class II (Class I on request)
Heat management	TCS - Thermal Cooling System
Functionality	RO, OF, DMP, DM, TLC, DA, CLO
Protection	Surge common mode / differential up to 10 / 10kV
Ambient storage temperature	-40° C / +85° C
Ambient Operating Temperature	-40° C / +50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	Photobiological EN 62471:2009 and IEC/TR 62778; electrical safety EN 60598-1-2-3; EN 60529; EN 50102; IEC 64-7. ENEC, CE marking and international certification CB Dekra
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks:

UNI EN ISO9001:2015 N°2764 CERTIFIED QUALITY

18

www.litek.it

Made in Italy

Made in Italy

www.litek.it

19

MODULO HP

Independent high performance LED module for relamping on existing lanterns

Design R&D Litek



TLC - Smart Connection

(Optional)

RETROFIT/RE-LAMPING



OLD LUMINAIRE



PERFECT INTEGRATION



LUMINAIRE UPGRADED

Electrically and mechanically self-contained, high-performance High-Power LED module (Litek R&D design) for application in existing fixtures/lanterns specifically designed for LED technology. Powerful anodized extruded aluminum heat sink and customized interface system made of polyester powder coated aluminum long-lasting "Anthracite" RAL 7016 embossed color ("Silver" RAL 9006 embossed, or other color, upon request), with extra-clear 5 mm tempered glass protective screen. Neutral light shade 4000 K (available on request with light: warm 3000 K, very warm 2700 K, and very warm 2200 K), light emission certified totally cut-off in accordance with LL.RR. regulations against light pollution. Light assemblies composed of MULTICHIP ceramic-based power LEDs in the STANDARD version, and MULTIDIE road high-power in the ECO versions, with direct recast on 15/10 pure aluminum circuits; LEDs

electrically insulated by the thermal dissipation system, constant current Vdc LED driving system (350 to 700 mA). Various types of operation (RO, OF, DMP, DM, TLC, DA, CLO); LITEK redundant TCS (Thermal Cooling System) heat dissipation system with automatic safety temperature control. Power supply 110/240Volt 50/60Hz, rephased to cos-fi ≥ 0.95 , class II insulation (class I on request), electronic power supply with very high efficiency microprocessor control totally resined (Made in Italy) with overvoltage protection up to 10kV both common mode and differential mode, max rated power 125W. IP66 and IK08 degree of protection, stainless steel external hardware, weight approx. 8.5kg. CB, ENEC international certification and CE marking. Made in Italy luminaire and driver.

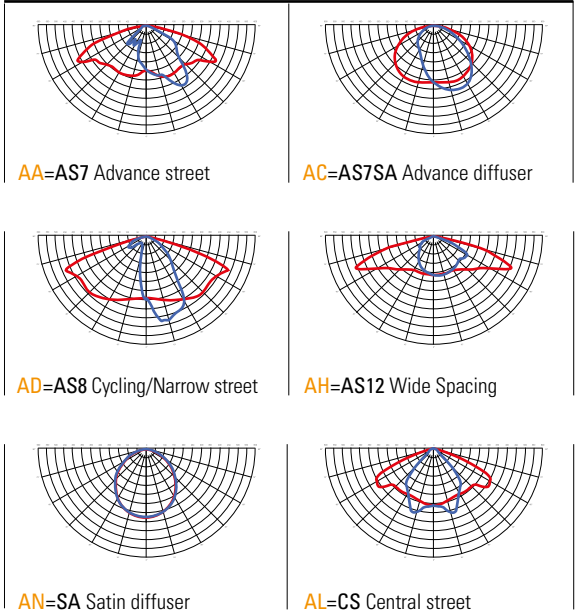
MODULO HP



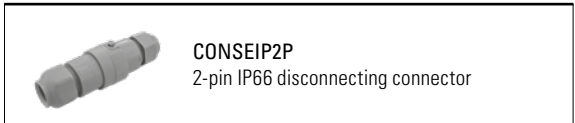
SANTARCANGELO DI ROMAGNA - ITALY

Version/Item	Wattage (W)	Luminaire consumption (W)	Current (mA)	LED Flux (Tj=25°C, 4000 K CRI70)	LED Flux (Tj=25°C, 3000 K CRI70)	LED Flux (Tj=25°C, 2700 K CRI70)	LED Flux (Tj=25°C, 2200 K CRI70)
STANDARD Version							
MH063aa7004B12	63	69	700	10719	9988	9362	ND
MH061aa3504B12	61	68	350	11753	10951	10265	ND
MH080aa4504B12	80	85	450	14680	13679	12822	ND
MH095aa5304B12	95	101	530	16922	15768	14780	ND
MH110aa6304B12	110	119	630	19616	18279	17133	ND
MH125aa7004B12	125	135	700	21439	19977	18724	ND
ECO Version							
MH032aa3504B12	32	35	350	6434	6434	5955	5385
MH042aa4504B12	42	46	450	8083	8083	7481	6764
MH048aa5104B12	48	52	510	9040	9040	8367	7565
MH069aa7004B12	69	75	700	11936	11936	11047	9989
Fixture color: B = Anthracite - f = other colors on request							
Function: 0 = RO Rotary scenario - 1 = OF on-off - 2 = DMP Night reduction - 3 = DM Dimmable 1-10Vdc - 4 = TLC Remote control - 5 = DA Dimmable DALI / DALI-2 - 9 = CLO Costant light output							
Insulation Class: Class II (Class I on request)							
 PLEASE NOTE: actual fluxes change according to the optics. For all values / information on other optics and / or technical specifications and / or tolerances, also ask the technical office (tecnico@litek.it) Litek or refer to the technical section of the most updated catalog in force; performance values may vary without notice and / or according to market availability.							

aa = OPTICS



ACCESSORIES



SANTARCANGELO DI ROMAGNA - ITALY

SERIES DATA SHEET

General:	
Series	Modulo HP
Version / Item	See table
Type	LED module
Materials:	
Mechanical structure	Anodized aluminium extrusion
Degree of protection	IP66, impact resistance IK08
Screen	Extra clear 5mm tempered glass (excluding 3D version)
Surface protection	Galvanic anodisation + long-lasting polyester powder coating (plate)
Screws	External bolts in stainless steel Aisi-304 or nylon insulators
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	8.5Kg. approx.
Dimensions	220x270mm plus custom-made face plate
Inclination	ND
Applications:	
Lighting	Street
Mounting	Via custom-made face plate included
Power supply cable	2x0.75 mm² (IP66 connector available on request)
Accessories	On request
Optics:	
Lumen Output (LED)	From 10719 to 21439 Lm (STANDARD) @ 4000 K From 6434 to 11936 Lm (ECO) @ 4000 K
Light color	4000 K, 3000 K, 2700 K, 2200 K
Optics	AS7, AS7SA, AS8, AS12, SA, CS High efficiency PMMA optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	Ceramic based high-power MULTICHIP (STANDARD); high-power Multi-die (ECO)
Wattage	From 63 to 125W (STANDARD), from 32 to 69W (ECO)
Luminaire Consumption	From 35 to 135W
Power supply	Voltage 110/240 Vac, frequency 50/60 Hz
PFC Cos-fi	>0,95
LED current	From 350 to 700 mA
Insulation class	Class II (Class I on request)
Heat management	TCS - Thermal Cooling System
Functionality	RO, OF, DMP, DM, TLC, DA, CLO
Protection	Surge common mode / differential up to 10 / 10kV
Ambient storage temperature	-40° C / +85° C
Ambient Operating Temperature	-40° C / +50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	Photobiological EN 62471:2009 and IEC/TR 62778; electrical safety EN 60598-1-2-3; EN 60529; EN 50102; IEC 64-7. ENEC, CE marking and international certification CB Dekra
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks:



UNI EN ISO9001:2015 N°2764 CERTIFIED QUALITY

MODULO COMPATTO

Independent high performance LED module for relamping on existing lanterns

Design R&D Litek



TLC - Smart Connection

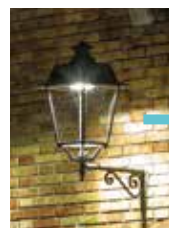
(Optional)



RETROFIT/RE-LAMPING



OLD LUMINAIRE



PERFECT INTEGRATION



LUMINAIRE UPGRADED

Compact LED module (Litek R&D design) with high performance for application in existing fixtures/lanterns. Extruded aluminum heat sink painted with long-life anthracite polyester powder coating, with exposed PMMA/PC optics or diffuser. Standard light shades neutral (4000 K), warm (3000 K) or very warm (2200 K); street, intensive or volumetric diffusing (3D) optics. New ceramic-based MULTICHIP LEDs for direct recasting, LEDs electrically isolated from

thermal dissipation system, constant current Vdc driving system, different types of operation/management (RO, OF, DMP, DM, TLC, DA, CLO); redundant LITEK heat dissipation system TCS (Thermal Cooling System) with automatic temperature control, 110/240Volt 50/60 Hz power supply, IP66 protection rating, IK09 impact resistance, stainless steel hardware or insulation. CE certification. Made in Italy fixture and driver.

MODULO COMPATTO



BOLOGNA - ITALY

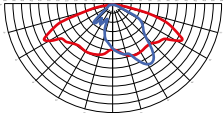


SANTARCANGELO DI ROMAGNA - ITALY

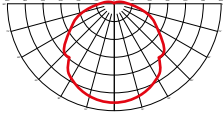
LUMEN OUTPUT - WATTAGES TABLE

Version/Item	Wattage (W)	Luminaire consumption (W)	Current (mA)	LED Flux (Tj=25°C, 4000 K CRI70)	LED Flux (Tj=25°C, 3000 K CRI70)	LED Flux (Tj=25°C, 2700 K CRI70)	LED Flux (Tj=25°C, 2200 K CRI70)
STANDARD Version							
MC015aa3504B12	15	18	350	2938	2738	2566	ND
MC020aa4504B12	20	23	450	3670	3420	3205	ND
MC024aa5304B12	24	28	530	4230	3942	3695	ND
Fixture color: B = Anthracite - f = other colors on request							
Function: 0 = RO Rotary scenario - 1 = OF on-off - 2 = DMP Night reduction - 3 = DM Dimmable 1-10Vdc - 4 = TLC Remote control - 5 = DA Dimmable DALI / DALI-2 - 9 = CLO Costant light output							
Insulation Class: Class II (Class I on request)							
 PLEASE NOTE: actual fluxes change according to the optics. For all values / information on other optics and / or technical specifications and / or tolerances, also ask the technical office (tecnico@litek.it) Litek or refer to the technical section of the most updated catalog in force; performance values may vary without notice and / or according to market availability.							

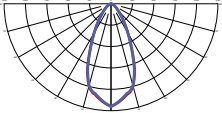
aa = OPTICS



AA=AS7 Advance street



AJ=3DMC Space diffuser



AO=50 Medium flood 50°



CONSEIP2P
2-pin IP66 disconnecting connector



SANTARCANGELO DI ROMAGNA - ITALY

SERIES DATA SHEET

General:	
Series	Modulo Compatto
Version / Item	See table
Type	LED module
Materials:	
Mechanical structure	Extruded and anodized aluminium heatsink
Degree of protection	IP66 mounted, impact resistance IK09
Screen	ND
Surface protection	Galvanic extrusion and anodizing + long-lasting polyester powder coating (plate)
Screws	External bolts in stainless steel Aisi-304 or nylon insulators
Color	Anthracite RAL-7016 embossed (Silver RAL-9006 embossed on request)
Weight	1/1.5Kg. Approx.
Dimensions	100x100mm minimum
Inclination	ND
Applications:	
Lighting	Street
Mounting	Via custom-made face plate included
Power supply cable	2x0.75 mm² (IP66 connector available on request)
Accessories	On request
Optics:	
Lumen Output (LED)	From 2938 to 4230 Lm @ 4000 K
Light color	4000 K (3000 K, 2700 K on request)
Optics	AS7, 3DMC, 50 High efficiency PMMA/PC optics
Color rendering index - CRI	70 (80 or 90 on request)
Electrical characteristics:	
LED Engine	Ceramic based high-power MULTICHIP
Wattage	From 15 to 24W
Luminaire Consumption	From 18 to 28W
Power supply	Voltage 110/240 Vac, frequency 50/60 Hz
PFC Cos-fi	>0,95
LED current	From 350 to 530 mA
Insulation class	Class II (Class I on request)
Heat management	TCS - Thermal Cooling System
Functionality	RO, OF, DMP, DM, TLC, DA, CLO
Protection	Surge common mode / differential up to 10 / 10kV
Ambient storage temperature	-40° C / +85° C
Ambient Operating Temperature	-40° C / +50° C
LED lifetime	>100'000hr L80B10 @700 mA
Reference Standards Certification	Photobiological EN 62471:2009 and IEC/TR 62778; electrical safety EN 60598-1-2-3; EN 60529; EN 50102; IEC 64-7. CE marking
Note:	Do not use the luminaire during daytime and/or in direct sunlight.

Marks:



A TAILOR-MADE ACTIVITY

The LED Retrofitting activity stands for LITEK Lighting as the snow is on the mountain, or how the waves are on the sea.

An indissoluble combination that has distinguished most of these early years from the advent of the LED technology in Public Lighting, for an innovative but at the same time, functional and very pragmatic vision of the redevelopment of urban centers, the so-called "Urban Renaissance". So let's talk about a very characteristic and characterizing application field, where the design research had identified in the past some lighting fixtures with a pleasant appearance, if not really captivating, in order to

pay homage, and perhaps honor, to certain particular urban spaces... a historical square, a tree-lined avenue, a promenade, a residential area, and so on.

LITEK Lighting has created, developed, and improved over time the most technically suitable solutions for LED Retrofit of heritage, classic, decorative, and design luminaires, present in many areas of our cities, documenting a series of models, but also experiences in the field, of unparalleled value and unmatched comparison.

And Venice, Bologna, Copenhagen, Guadalajara and many other cities that you will find in this catalogue have thanked us.



PROCEDURES FOR ORDERING



Send pictures and information, technical evaluation and lighting design (optics, colors and flux/power), for analysis of economic feasibility



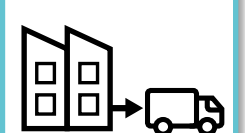
Customer's order



Send sample or on-site controlling by our technicians



Analysis of thermo-mechanical feasibility



Production and delivery

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category HERITAGE LITEK item Modulo Universale 2.0 Code MGL05		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH00		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH1
	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo HP Code CPH2		Category HERITAGE LITEK item Modulo Universale 2.0 Modulo HP Code CPH3		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH4
	Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH5		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH6		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH7
	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo HP Code CPH8		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH9		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH11
	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo HP Code CPH12		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH13		Category HERITAGE LITEK item Modulo Universale 2.0 Modulo Acorn Code CPH14

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo HP Code CPH16		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH20		Category HERITAGE LITEK item Modulo Universale 2.0 Code CPH00
	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo Acorn Code NPL		Category HERITAGE LITEK item Modulo Universale 2.0 Code VNZ22233VEFOSCAR		Category HERITAGE LITEK item Modulo Universale 2.0 Code VNZCB13033VEPRO
	Category HERITAGE LITEK item Modulo Universale 2.0 Code VNZCA11633VEPRO		Category HERITAGE LITEK item Modulo Universale 2.0 Code VNZCAB		Category HERITAGE LITEK item Modulo Universale 2.0 Modulo Compatto Modulo Acorn Codice BLGMCGLOBO BLGMUCANDEL
	Category HERITAGE LITEK item Modulo Universale 2.0 Modulo Acorn Code BRABH		Category HERITAGE LITEK item Modulo Universale 2.0 Code GDL01		Category HERITAGE LITEK item Modulo Universale 2.0 Code GT001
	Category HERITAGE LITEK item Modulo Universale 2.0 Code SMA02 SMA03 SMA04		Category HERITAGE LITEK item Modulo Universale 2.0 Code SMA02 SMA03 SMA04		Category HERITAGE LITEK item Modulo Universale 2.0 Code 9CSN

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category CLASSIC LITEK item Modulo Universale 2.0 Code CRE		Category CLASSIC LITEK item Modulo Universale 2.0 Code 12CRE		Category CLASSIC LITEK item Modulo Universale 2.0 Code CSN31 MRC33 MUR13
	Category CLASSIC LITEK item Modulo Universale 2.0 Code BSG03 2RLL 10CRE		Category CLASSIC LITEK item Modulo Universale 2.0 Code 1CHV		Category CLASSIC LITEK item Modulo Universale 2.0 Code 2CHV
	Category CLASSIC LITEK item Modulo Universale 2.0 Code 6CHV		Category CLASSIC LITEK item Modulo Universale 2.0 Code 7CHV		Category CLASSIC LITEK item Modulo Universale 2.0 Code 8CHV
	Category CLASSIC LITEK item Modulo Compatto Code PIA99		Category CLASSIC LITEK item Modulo Universale 2.0 Code VNZA18133VE		Category CLASSIC LITEK item Modulo Compatto Code VNZTA11633VEPRO
	Category CLASSIC LITEK item Modulo Universale 2.0 Code VNZ11533VE		Category CLASSIC LITEK item Modulo Universale 2.0 Code SMA01 SMA05		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code MUR4

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category DESIGN LITEK item Modulo Universale 2.0 Code PIA104		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code SNA11		Category DESIGN LITEK item Modulo Universale 2.0 Code BSG02
	Category DESIGN LITEK item Modulo Universale 2.0 Code 2CRE		Category DESIGN LITEK item Modulo Universale 2.0 Code 9CRE CRT01		Category DESIGN LITEK item Modulo Universale 2.0 Code 11CRE
	Category DESIGN LITEK item Modulo Universale 2.0 Code MUR05		Category DESIGN LITEK item Modulo Universale 2.0 Code CAM02 CAM03		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code SNA03 CAM04
	Category DESIGN LITEK item Modulo Universale 2.0 Code BLC03 ISE01		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code CRT06 CRT11		Category DESIGN LITEK item Modulo Universale 2.0 Code CMC01
	Category DESIGN LITEK item Modulo Universale 2.0 Code PIA104 10CHV		Category DESIGN LITEK item Modulo Universale 2.0 Code CMC06		Category DESIGN LITEK item Modulo Universale 2.0 Code CMC25

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category DESIGN LITEK item Modulo Universale 2.0 Code FLL07		Category DESIGN LITEK item Modulo Universale Code FLL16		Category DESIGN LITEK item Modulo Universale 2.0 Code FLL18
	Category DESIGN LITEK item Modulo Universale 2.0 Code 2ISE		Category DESIGN LITEK item Modulo Universale 2.0 Code 3ISE		Category DESIGN LITEK item Modulo Universale 2.0 Code 5ISE
	Category DESIGN LITEK item Modulo Universale 2.0 Code MCT01		Category DESIGN LITEK item Modulo Universale 2.0 Code MCT04		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code MRC24
	Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code PIA105		Category DESIGN LITEK item Modulo Universale 2.0 Modulo HP Code 27SVG		Category DESIGN LITEK item Modulo Universale 2.0 Code 1STT
	Category DESIGN LITEK item Modulo Universale 2.0 Code SNA01 7CRE 7aCRE		Category DESIGN LITEK item Modulo Universale 2.0 Code SNA12		Category DESIGN LITEK item Modulo Universale 2.0 Code SML01

List of the main retrofitted luminaires by category: **Heritage, Classic, Design, Decorative**

	Category DESIGN LITEK item Modulo Universale 2.0 Code SRS01 SRS02		Category DECORATIVE LITEK item Modulo Universale 2.0 Code CPL02		Category DECORATIVE LITEK item Modulo Universale Code 3CSN
	Category DECORATIVE LITEK item Modulo Universale 2.0 Code CRT06 CRT11		Category DECORATIVE LITEK item Modulo Universale 2.0 Code SNA13 6CRT		Category DECORATIVE LITEK item Modulo Universale 2.0 Code CSC03
	Category DECORATIVE LITEK item Modulo Universale 2.0 Code CSC04		Category DECORATIVE LITEK item Modulo Universale 2.0 Code CMC03 5CHV		Category DECORATIVE LITEK item Modulo Universale 2.0 Code FLL06
	Category DECORATIVE LITEK item Modulo Universale 2.0 Modulo HP Code MGL07 STG02		Category DECORATIVE LITEK item Modulo Compatto Code MRN04 STG		Category DECORATIVE LITEK item Modulo Universale 2.0 Code 1SVG
	Category DECORATIVE LITEK item Modulo Universale 2.0 Code NPL03		Category DECORATIVE LITEK item Modulo Universale 2.0 Code GTA01		Category DECORATIVE LITEK item Modulo Universale 2.0 Code VNZA1 VNZA2



SAN MIGUEL DE ALLENDE - MEXICO



CESENATICO - ITALY

Safety and Guarantees

Independent LED module: LED module is designed so that it can be mounted into a luminaire or placed separately from an additional box or enclosure or similar. The independent LED module provides all the necessary security protection, according to its classification and marking. For the purposes of this document, if the LED module is equipped with an optic, it is considered equivalent to a lighting fixture, not a source of light.

All the Product Certifications required for the correct and safe installation of the LED Module within existing luminaires are therefore guaranteed.

Declaration of NO industrial property

LITEK recognizes the NO industrial property of the products depicted in the previous pages, which exclusively represent the LED retrofitting activities to which LITEK has been called to supply its own independent LED modules.

LITEK does not carry out any activity of production or sale of such fixtures.



Founded in 2007, it was the first Italian company exclusively dedicated to the design and production of LED lighting fixtures and systems, today it is a synergic group of solutions based in Milan and with an international character.

FULGEMI[®]



LUXURY & CUSTOM LIGHTING
MADE IN ITALY

Tailor-made lighting solutions: unique pieces that combine art and light, designed for exclusive environments such as hotels, resorts, villas, airports, and iconic spaces.



Urban Renaissance is an international program dedicated to enhancing historic city centers through outstanding lighting projects. With over 260 projects completed worldwide, including 12 UNESCO World Heritage sites - such as Venice - it stands as a global benchmark in the industry.



Decorative and architectural lighting projects for outdoor spaces, designed to highlight shapes, materials, and atmospheres with elegance and functionality.



Urban lighting solutions for outdoor areas and large areas: streets, urban furniture, and public spaces, combining safety, efficiency, and design.



Registered office:
Litek Group Srl
Corso Venezia, 10
20121 Milano (MI) ITALY



**Operative, administration
and production site:**
Litek Group Srl
Via delle Industrie 3b
47824 Poggio Torriana (RN) - ITALY
Tel. +39 0541627208

**Commercial
& general information**
com@litek.it

Technical office
tecnico@litek.it



www.litek.it



UNI EN ISO9001:2015 N°2764 CERTIFIED QUALITY