Semplice installazione, lunga durata, sistema di dissipazione termica studiato internamente e resistenza ad elevate temperature fanno di PROXIMO la serie di armature stradali con il miglior rapporto qualità prezzo oggi disponibile sul mercato. Disponibile in tre taglie differenti, la mission della serie PROXIMO è quella di garantire una maggior sicurezza soddisfacendo le diverse esigenze illuminotecniche in ambito stradale, urbano ed extraurbano e diversi livelli di intensità di traffico, fino a contesti di aree residenziali, parchi, piazze ed agglomerati urbani. La gamma PROXIMO rappresenta il nuovo punto di riferimento nell'ambito dell'illuminazione stradale con soluzioni flessibili e prospettiche, per futuri scenari smart.

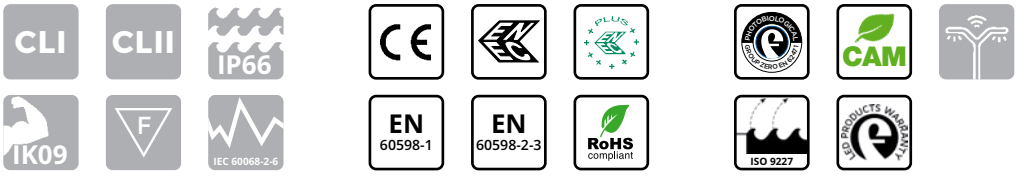
Simple installation, long life, internally designed heat dissipation system and resistance to high temperatures make PROXIMO the series with the best value for money available today on the market.
Available in three different sizes, the mission of the PROXIMO series is to guarantee greater safety, satisfying the different lighting needs in the street, urban and extra-urban and different traffic intensity, up to contexts of residential areas, parks, squares and urban agglomerations. The PROXIMO range represents the new benchmark in the field of lighting road with flexible and prospective solutions for future smart applications.

MATERIALI E FINITURE

- Base portante e copertura in pressofusione di alluminio con titolo minimo EN 47100 a basso contenuto di rame ed alta resistenza agli agenti atmosferici.
- Copertura superiore con alette di raffreddamento trasversali ad alto contenuto estetico.
- Verniciatura a polveri poliestere di colore Silver (RAL 9006) resistente ai raggi UV per 2000 ore secondo la norma ASTM D4587:2011.
- Materiali utilizzati resistenti alla corrosione secondo la norma UNI EN ISO 9227:2017 - Prove di corrosione in atmosfere artificiali - Prove in nebbia salina, con durata minima all'esposizione di 2500 ore.
- Coperchio posteriore per la chiusura del vano attacco palo in materiale plastico ad alta resistenza.
- Filtro di compensazione pressoria in teflon.
- Guarnizioni in gomma antinvecchiamento, rimovibili.
- Schermo di protezione in vetro di sicurezza temperato extra chiaro 4 mm.
- Viteria esterna imperdibile in acciaio INOX.
- Molla di chiusura in acciaio INOX.

CARATTERISTICHE MECCANICHE

- Sostituzione dell'intero modulo LED completo della copertura dell'apparecchio.
- Apertura per l'accesso all'ottica e vano cablaggio in un'unica e semplice operazione agendo sulla molla in acciaio inox senza l'utilizzo di utensili.
- Per evitare la chiusura accidentale della copertura durante le fasi di montaggio e manutenzione, l'apparecchio è dotato di dispositivo automatico di blocco.



MATERIALS AND FINISHES

- *Body and cover in die-cast aluminum with minimum EN 47100 title with low content copper and high resistance to atmospheric agents.*
- *Upper cover with cross-sectional cooling fins with highly aesthetic aspect.*
- *Coated in silver-colored polyester powders (RAL 9006) resistant to UV rays for 2000 hours according to ASTM D4587:2011 standard.*
- *Used materials resistant to corrosion according to UNI EN ISO 9227:2017 - Corrosion tests in artificial atmospheres - Salt spray tests, with a minimum duration of exposure of 2500 hours.*
- *Rear cover for closing the attachment compartment pole in high resistance plastic material.*
- *Pressure compensation filter in Teflon.*
- *Gaskets in anti-aging rubber, removable.*
- *Extra-clear tempered safety glass protection screen, 4mm thick.*
- *Stainless steel external captive screws.*
- *Stainless steel closure clip.*

MECHANICAL CHARACTERISTICS

- *Replacement of the entire LED module including the upper cover.*
- *Opening provides access to optics and cable box in a single, easy step by using the quick release clip in stainless steel, without using additional tools.*
- *To prevent accidental closure of the cover during assembly and maintenance, the device is equipped with an automatic anti-closing mechanism.*

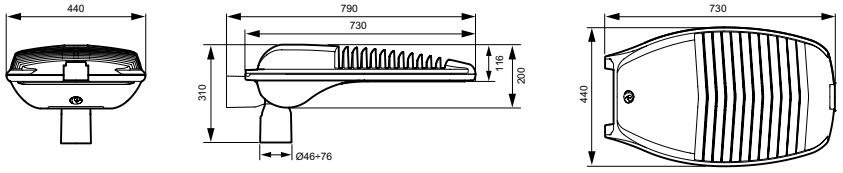
INSTALLAZIONE / *INSTALLATION*

Installazione a palo con sistema di attacco regolabile in alluminio pressofuso.
Adjust pole mounting system in die cast aluminium

	PROXIMO	PROXIMO CITY	PROXIMO WAY
Diametro palo *Pole diameter*	Ø 46 mm ÷ 76 mm	Ø 46 mm ÷ 76 mm	Ø 46 mm ÷ 60 mm
Installazione a testa palo *Installation on straight pole*	0°, +5°, +10°, +15°, +20°	da 0° a +20° con passo costante di 2,5° *from 0 ° to +20 ° with constant pitch of 2.5°*	
Installazione a sbraccio *Side entry installation*	Dispositivo di fissaggio a palo per portare a 0° il tilt dell'apparecchio in caso di installazione su bracci con tilt di 5°, 10°, 15° e 20°. *Fixing device pole to bring the tilt luminaire at 0° in case of side entry installation with tilt of 5°, 10°, 15° and 20°*		
Altezza di installazione *Installation height*	4 ÷ 30 m	4 ÷ 20 m	4 ÷ 16 m

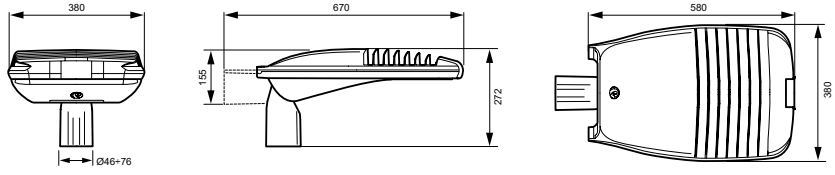
DIMENSIONI / *DIMENSIONS*

PROXIMO



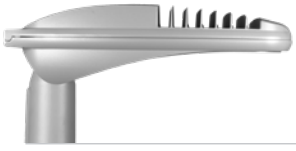
Peso max* *Max weight**	14,30 kg
Sup. esposta al vento con tilt 0° *Wind exposed surface with tilt 0°*	latérale / *lateral*: 0,094 m² avant / *frente*: 0,083 m²

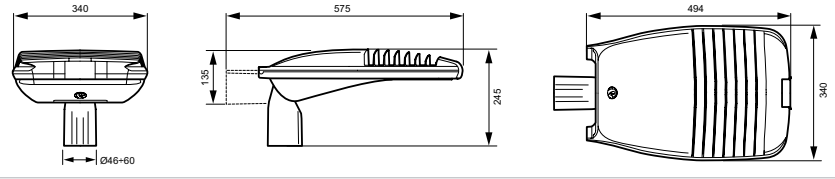
PROXIMO CITY



Peso max* *Max weight**	9,30 kg
Sup. esposta al vento con tilt 0° *Wind exposed surface with tilt 0°*	latérale / *lateral*: 0,064 m² avant / *frente*: 0,061 m²

PROXIMO WAY





Peso max* *Max weight**	6 kg
Sup. esposta al vento con tilt 0° *Wind exposed surface with tilt 0°*	latérale / *lateral*: 0,039 m² avant / *frente*: 0,041 m²

* Tolleranza sul peso ± 5%
* *Weight tolerance ± 5%*

PROTEZIONE ALLE SOVRATENSIONI

- CL I: fino a 10kV sia di modo comune che differenziale.
- CL II: fino a 10kV di modo comune, 6kV di modo differenziale. A richiesta è possibile raggiungere 10kV anche in modo differenziale con SPD collegato tra fase e neutro.

CARATTERISTICHE DI ALIMENTAZIONE

- Gruppo di alimentazione costituito da driver programmabile con durata di vita maggiore di 100.000h.
- Alimentatore elettronico con protezione termica integrata ad elevata efficienza e durata progettato per uso esterno. Tutte le versioni sono protette contro le sovratensioni e le sovracorrenti per la protezione dei componenti e dei LED.
- Il sistema, sia in CL I che in CL II, è dotato di sezionatore per interrompere l'alimentazione all'apertura dell'apparecchio.
- Ingresso cavo attraverso pressacavo PG16 antistrappo, IP68.
- Fattore di correzione di potenza a pieno carico > 0.9.
- Alimentazione 220 - 240V / 50 - 60 Hz VAC e disponibili anche 120 -277V / 50-60 Hz VAC.
- Piastra cablaggio completa di unità elettronica facilmente sostituibile.

OPZIONI PER IL CONTROLLO DELLA LUCE

- Dimmerazione automatica tramite sistema di mezzanotte virtuale con profili programmati che soddisfano le richieste del cliente.
- Funzionalità CLO: programmazione dell'alimentazione in modo tale da aumentare gradualmente la corrente di pilotaggio dei led e compensarne il decadimento fisiologico.
- Orologio astronomico: funzionalità che permette l'accensione e lo spegnimento dell'impianto in funzione di determinate fasce orarie preimpostate.
- 1-10V: interfaccia di dimmerazione analogica mediante protocollo 1-10V.
- DALI: interfaccia di dimmerazione digitale mediante protocollo DALI.
- Regolazione del flusso luminoso tramite onde convogliate.
- Main voltage dimming: funzionalità che permette la variazione del flusso luminoso agendo sulla variazione della tensione di alimentazione fornita dal quadro di comando dell'impianto di illuminazione.
- NEMA: Presa 7 pin (ANSI C136.41).
- ZHAGA: Presa 4 pin (ZHAGA Book 18).

PROTECTION AGAINST SURGES

- *CL I: up to 10kV both common and differential mode.*
- *CL II: up to 10 kV common mode, differential mode 6kV. On request it is possible to reach 10kV also in differential mode with SPD connected between phase and neutral.*

POWER SUPPLY CHARACTERISTICS

- *Power supply unit consisting of a programmable driver with a lifespan greater than 100,000h.*
- *Electronic power supply with integrated thermal protection with high efficiency and durability intended for external use. All versions are protected against overloads and surges to protect components and LEDs.*
- *The system, both in CL I and in CL II, is equipped with a knife switch to interrupt the power supply at the device's opening.*
- *The power supply cable accesses the device through a PG 16 cable gland (IP68).*
- *Power correction factor at full load > 0.9.*
- *Power supply 220 - 240V / 50 - 60 Hz VAC and also available in 120-277V / 50-60 Hz VAC.*
- *Cable plate complete with easily replaceable electronic unit.*

OPTIONS FOR LIGHT CONTROL

- *Automatic dimming through virtual midnight system with customized profiles according to specific needs.*
- *CLO functionality: the driver can be programmed to gradually increase the level of drive current fed to the LEDs in order to compensate their physiological lifespan reduction.*
- *Astronomical clock: this function the system to be switched on and off according to certain preset time slots.*
- *1-10V: analog dimming interface via 1-10V protocol.*
- *DALI: digital dimming interface via DALI protocol.*
- *Adjustment of the luminous flux through conveyed waves.*
- *Main voltage dimming: this function allows the variation of the luminous flux by acting on the variation of the power supply voltage supplied by the control panel of the lighting system.*
- *NEMA SOCKET: 7 pins (ANSI C136.41).*
- *ZHAGA SOCKET: 4 pins (ZHAGA Book 18).*

- Sistema ottico stradale **SAFEWAY®** a rifrazione/riflessione e a rifrazione.
- Gruppo ottico facilmente sostituibile.
- Tecnologia LED Multi-die, Singlechip e Multichip su circuito stampato in alluminio altamente dissipante termicamente MCPCB (Metal Core Printed Circuit Board).
- Sistema di dissipazione del calore mediante alette di raffreddamento trasversali.
- Temperatura colore sorgente LED: 4000K - CRI > 70. Gli apparecchi sono disponibili, su richiesta, anche con temperatura di colore compresa tra 2700 e 5700K.

CARATTERISTICHE SISTEMA OTTICO

OPTICAL SYSTEM CHARACTERISTICS

- ***SAFEWAY®*** *optic system: refraction / reflection system and refraction system.*
- *Optic group easily replaceable.*
- *Multi-die, Singlechip e Multichip LED Technology on a pressed aluminum circuit, highly dissipating MCPCB (Metal Core Printed Circuit Board).*
- *Thermal dissipation system by means of cross-sectional cooling fins.*
- *Color temperature: 4000K - CRI>70. The streetlights are available on request also with color temperatures between 2700 and 5700K.*

SISTEMA OTTICO
A RIFRAZIONE/RIFLESSIONE

REFRACTION/REFLECTION OPTIC SYSTEM

SISTEMA OTTICO A RIFRAZIONE

REFRACTION OPTIC SYSTEM

FLUSSO LUMINOSO MEDIO MANTENUTO SECONDO LA NORMA LM80 - TM21

MAINTENED AVERAGE LUMINOUS FLUX ACCORDING TO LM80 - TM21 STANDARDS

>100.000 hr	L90B10
Temperatura di esercizio per gli apparecchi *Operating temperature for luminaires*	ta* 35°: -40°C ÷ +40°C ta* 50°: -40°C ÷ +55°C

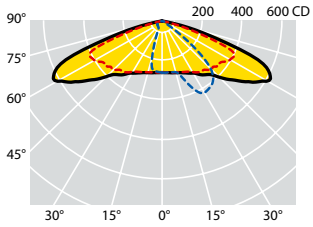
35°C

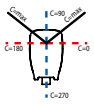
* la sigla ta (= temperatura ambiente) indica la massima temperatura ambiente durante il funzionamento dell'apparecchio in condizioni normali. Questa indicazione non esclude un funzionamento temporaneo dell'apparecchio alle temperature di esercizio indicate.

** the "ta" abbreviation (= ambient temperature) indicates the maximum ambient temperature when the luminaire works in normal conditions. This indication does not exclude temporary operation of the luminaire at the indicated operating temperatures.*

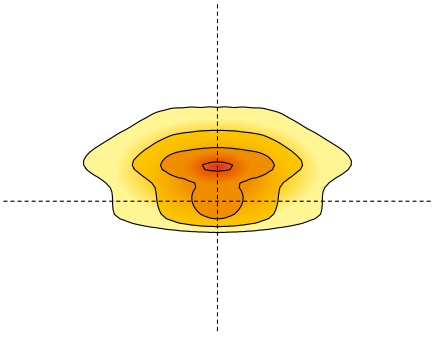
OTTICA *OPTIC* AB1

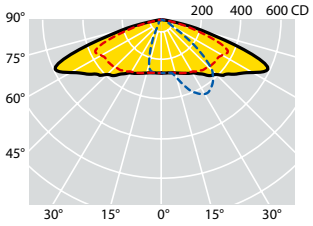
Curve fotometriche / *Photometric data*

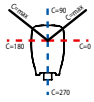




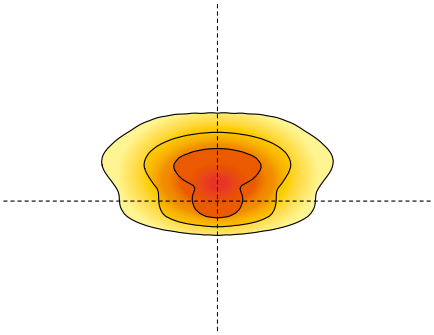
C max = 20°
LED 2mmq







C max = 15°
LED 4x4mmq



OTTICA AB1:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85.
Risolve strade con rapporto tra l'interdistanza dei pali e l'altezza di installazione anche superiore a 4.

AB1 OPTIC:
Street optic normally used for all street illumination categories, especially when the relation between the installation height and the carriage width is greater than 0.85.
This optic solves roads with a relationship between the poles distance and the installation height even higher than 4.

Codici prodotto / *Product codes*

4000K - CRI > 70

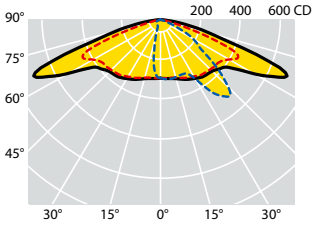
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
44501	**44701**	49 LED	AB1	530mA	81	14500	12080	•	•	16,60	0,0772
44502	**44702**	49 LED	AB1	700mA	106	17880	14900	•		16,60	0,0772
44503	**44703**	56 LED	AB1	530mA	90	16140	13450	•	•	16,60	0,0772
44504	**44704**	56 LED	AB1	700mA	120	19930	16610	•		16,60	0,0772
44505	**44705**	63 LED	AB1	530mA	105	18085	15070	•	•	16,70	0,0772
44506	**44706**	63 LED	AB1	700mA	135	22320	18600	•		16,70	0,0772
44507	**44707**	70 LED	AB1	530mA	117	19920	16600	•	•	16,80	0,0772
44508	**44708**	70 LED	AB1	700mA	148	24100	20080	•		16,80	0,0772
44509	**44709**	77 LED	AB1	530mA	125	21520	17930	•	•	16,80	0,0772
44510	**44710**	77 LED	AB1	700mA	166	26800	22330	•		16,80	0,0772
44517	**44717**	84 LED	AB1	530mA	135	23400	19470	•	•	16,80	0,0772
44518	**44718**	84 LED	AB1	700mA	182	29110	24260	•		16,80	0,0772
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
57001	**57110**	20 LED	AB1	700mA	168	28560	23800	•	•	16,80	0,0772
44574	**44575**	20 LED	AB1	800mA	192	32460	27050	•	•	16,80	0,0772
57002	**57111**	20 LED	AB1	900mA	216	34560	28800	•		16,80	0,0772
44576	**44577**	20 LED	AB1	1000mA	240	38160	31800	•		16,80	0,0772
44578	**44579**	24 LED	AB1	800mA	230	38160	31800	•	•	16,80	0,0772
57003	**57112**	24 LED	AB1	900mA	259	40560	33800	•		16,80	0,0772
44580	**44581**	24 LED	AB1	1000mA	288	44930	37440	•		16,80	0,0772
44589	**44590**	28 LED	AB1	700mA	235	37800	32000	•	•	17,20	0,0772
44582	**44583**	28 LED	AB1	800mA	268	43080	36400	•	•	17,20	0,0772
57004	**57113**	28 LED	AB1	900mA	301	46200	39300	•		17,20	0,0772
44584	**44585**	28 LED	AB1	1000mA	335	52260	43550	•		17,20	0,0772
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

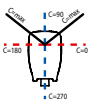
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

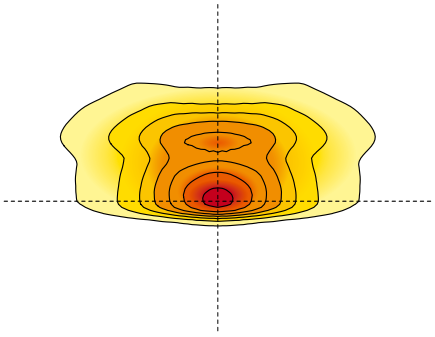
OTTICA *OPTIC* L10

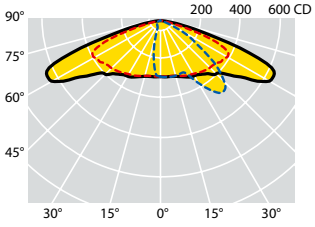
Curve fotometriche / *Photometric data*

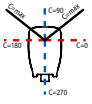




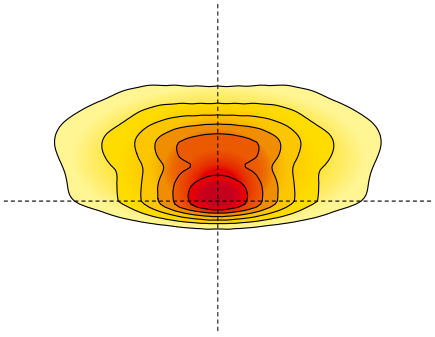
C max = 30°
LED 2mmq







C max = 25°
LED 4x4mmq



OTTICA L10:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è notevolmente maggiore di 1. Grazie al sistema ottico brevettato Safeway, che sfrutta la possibilità di inclinare i riflettori con angoli diversi, tale ottica permette di illuminare aree frontali molto ampie, risolvendo larghe carreggiate, strade a più corsie, parcheggi e piazzali molto profondi.

L10 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 1. Thanks to the Safeway patented optical system, which uses the possibility of tilting the reflectors with different inclinations, with this optic is possible to light wide frontal areas, resolving broad carriageways, roads with multiple lanes, parking spaces and very deep squares.

Codici prodotto / *Product codes*

4000K - CRI > 70

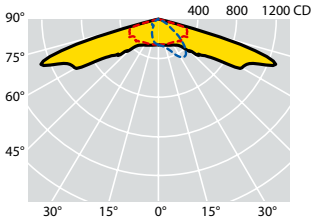
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
57032	**57141**	49 LED	L10	530mA	81	14205	11840	•	•	16,60	0,0772
57033	**57142**	49 LED	L10	700mA	106	17520	14600	•		16,60	0,0772
57034	**57143**	56 LED	L10	530mA	90	15815	13180	•	•	16,60	0,0772
57035	**57144**	56 LED	L10	700mA	120	19535	16280	•		16,60	0,0772
57036	**57145**	63 LED	L10	530mA	105	17720	14770	•	•	16,70	0,0772
57037	**57146**	63 LED	L10	700mA	135	21875	18230	•		16,70	0,0772
57038	**57147**	70 LED	L10	530mA	117	19520	16270	•	•	16,80	0,0772
57039	**57148**	70 LED	L10	700mA	148	23615	19680	•		16,80	0,0772
57040	**57149**	77 LED	L10	530mA	125	21085	17570	•	•	16,80	0,0772
57041	**57150**	77 LED	L10	700mA	166	26260	21880	•		16,80	0,0772
57042	**57151**	84 LED	L10	530mA	135	22900	1980	•	•	16,80	0,0772
57043	**57152**	84 LED	L10	700mA	182	28530	23775	•		16,80	0,0772
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
57044	**57153**	20 LED	L10	700mA	168	27990	23325	•	•	16,80	0,0772
57045	**57154**	20 LED	L10	800mA	192	31810	26510	•	•	16,80	0,0772
57046	**57155**	20 LED	L10	900mA	216	33870	28220	•		16,80	0,0772
57047	**57156**	20 LED	L10	1000mA	240	37340	31165	•		16,80	0,0772
57048	**57157**	24 LED	L10	800mA	230	37340	31165	•	•	16,80	0,0772
57049	**57158**	24 LED	L10	900mA	259	39750	33125	•		16,80	0,0772
57050	**57159**	24 LED	L10	1000mA	288	44030	36690	•		16,80	0,0772
57051	**57160**	28 LED	L10	700mA	235	37800	31360	•	•	17,20	0,0772
57052	**57161**	28 LED	L10	800mA	268	43080	35670	•	•	17,20	0,0772
57053	**57162**	28 LED	L10	900mA	301	46200	38515	•		17,20	0,0772
57054	**57163**	28 LED	L10	1000mA	335	52260	42680	•		17,20	0,0772
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

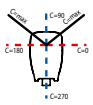
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

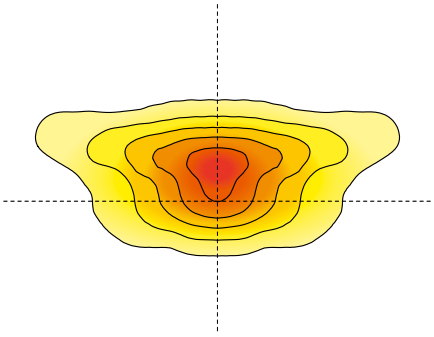
OTTICA *OPTIC* W2

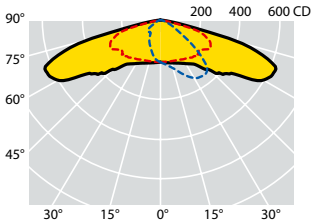
Curve fotometriche / *Photometric data*

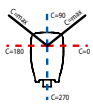




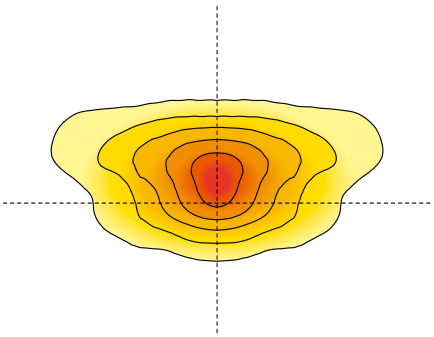
C max = 25°
LED 2mmq







C max = 20°
LED 4mmq



OTTICA W2:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85. L'ottica W2, presenta un notevole retroflusso che permette di risolvere installazioni con sbracci.

W2 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 0.85. The W2 optic features a notable back-flow that allows to solve installations with outreaches.

Codici prodotto / *Product codes*

4000K - CRI > 70

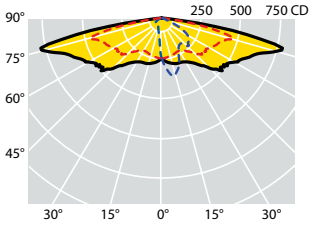
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
57086	**57195**	64 LED	W2	530mA	107	18720	15600	•	•	16,60	0,0772
57087	**57196**	64 LED	W2	600mA	121	20520	17100	•		16,60	0,0772
57088	**57197**	64 LED	W2	700mA	137	23080	19240	•		16,60	0,0772
57089	**57198**	80 LED	W2	530mA	129	22860	19050	•	•	16,60	0,0772
57090	**57199**	80 LED	W2	600mA	146	24840	20700	•		16,60	0,0772
57091	**57200**	80 LED	W2	700mA	174	28400	23670	•		16,60	0,0772
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
57092	**57201**	64 LED	W2	800mA	159	27870	23230	•		16,70	0,0772
57093	**57202**	64 LED	W2	900mA	181	30480	25400	•		16,70	0,0772
57094	**57203**	64 LED	W2	1000mA	203	33540	27950	•		16,70	0,0772
57095	**57204**	80 LED	W2	800mA	198	34360	28640	•		16,80	0,0772
57096	**57205**	80 LED	W2	900mA	225	36960	30800	•		16,80	0,0772
57097	**57206**	80 LED	W2	1000mA	252	40740	33950	•		16,80	0,0772
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

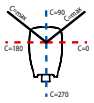
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

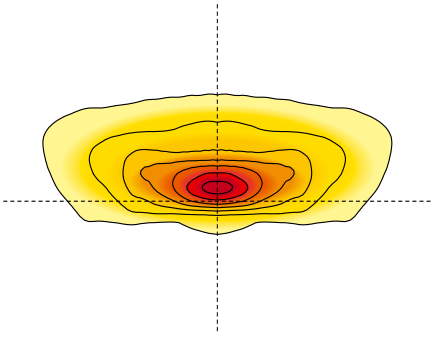
OTTICA
OPTIC
S

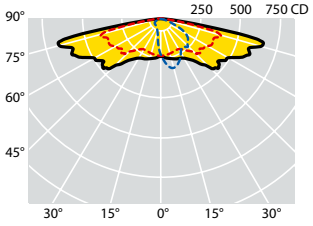
Curve fotometriche / *Photometric data*

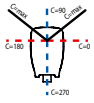




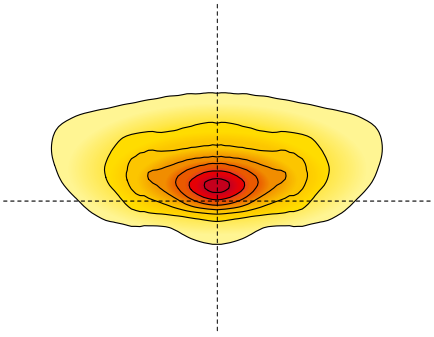
C max = 20°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA S:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Tale ottica è particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1. Risolve strade con interdistanze molto elevate e rapporto interdistanza / altezza d'installazione superiore a 5.

S OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1. It is also appropriate for roads with very high interdistances and an interdistance / installation height ratio greater than 5.

Codici prodotto / *Product codes*

4000K - CRI > 70

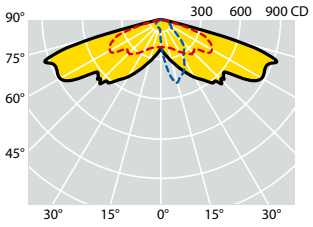
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
44930	**44931**	64 LED	S	530mA	107	18720	14660	•	•	16,60	0,0772
57082	**57191**	64 LED	S	600mA	121	20520	16070	•		16,60	0,0772
44932	**44933**	64 LED	S	700mA	137	23080	18080	•		16,60	0,0772
44934	**44935**	80 LED	S	530mA	129	22860	17900	•	•	16,60	0,0772
57083	**57192**	80 LED	S	600mA	146	24840	19450	•		16,60	0,0772
44936	**44937**	80 LED	S	700mA	174	28400	22240	•		16,60	0,0772
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
44940	**44941**	64 LED	S	800mA	159	27870	21830	•		16,70	0,0772
57084	**57193**	64 LED	S	900mA	181	30480	23870	•		16,70	0,0772
44942	**44943**	64 LED	S	1000mA	203	33540	26270	•		16,70	0,0772
44944	**44945**	80 LED	S	800mA	198	34360	26920	•		16,80	0,0772
57085	**57194**	80 LED	S	900mA	225	36960	28950	•		16,80	0,0772
44946	**44947**	80 LED	S	1000mA	252	40740	31910	•		16,80	0,0772
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

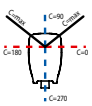
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

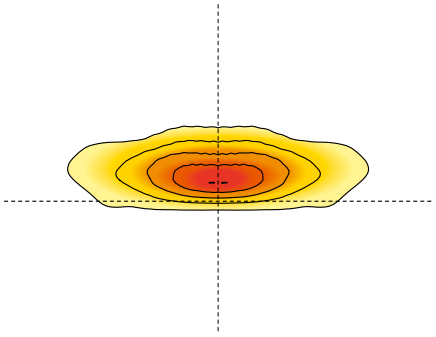
OTTICA
OPTIC

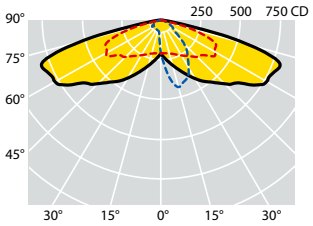
Curve fotometriche / *Photometric data*

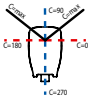




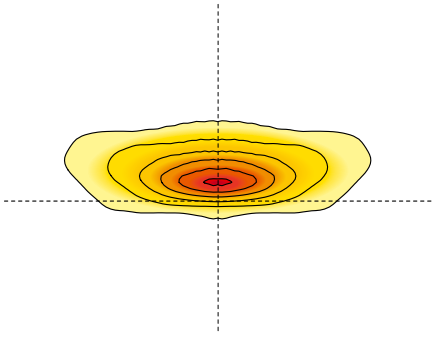
C max = 15°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA V:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1.

V OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1.

Codici prodotto / *Product codes*

4000K - CRI > 70

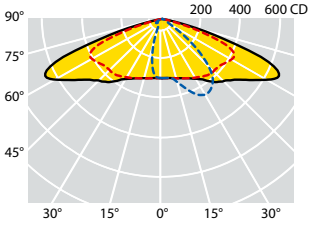
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
44950	**44951**	64 LED	V	530mA	107	18720	15600	•	•	16,60	0,0772
57078	**57187**	64 LED	V	600mA	121	20520	17100	•		16,60	0,0772
44952	**44953**	64 LED	V	700mA	137	23080	19240	•		16,60	0,0772
44954	**44955**	80 LED	V	530mA	129	22860	19050	•	•	16,60	0,0772
57079	**57188**	80 LED	V	600mA	146	24840	20700	•		16,60	0,0772
44956	**44957**	80 LED	V	700mA	174	28400	23670	•		16,60	0,0772
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
44960	**44961**	64 LED	V	800mA	159	27870	23230	•		16,70	0,0772
57080	**57189**	64 LED	V	900mA	181	30480	25400	•		16,70	0,0772
44962	**44963**	64 LED	V	1000mA	203	33540	27950	•		16,70	0,0772
44964	**44965**	80 LED	V	800mA	198	34360	28640	•		16,80	0,0772
57081	**57190**	80 LED	V	900mA	225	36960	30800	•		16,80	0,0772
44966	**44967**	80 LED	V	1000mA	252	40740	33950	•		16,80	0,0772
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

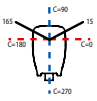
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

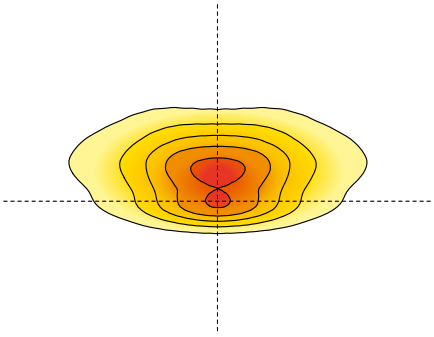
OTTICA *OPTIC* AB1

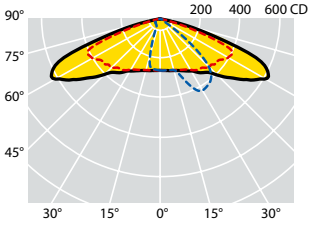
Curve fotometriche / *Photometric data*

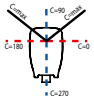




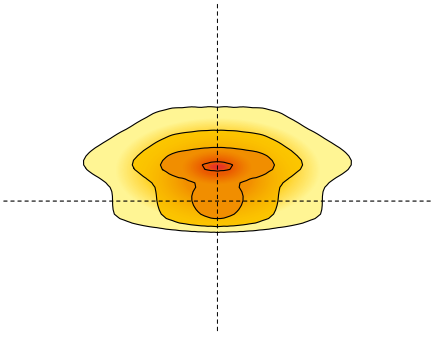
C max = 15°
LED MD

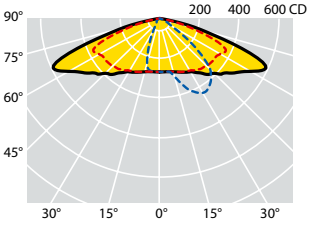


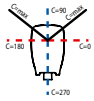




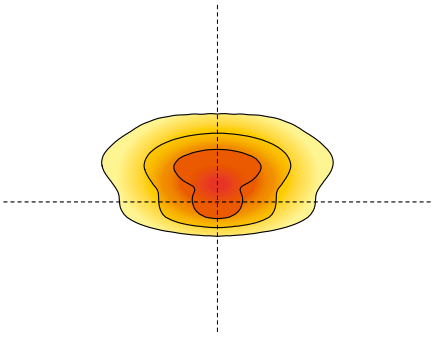
C max = 20°
LED 2mmq







C max = 15°
LED 4x4mmq



OTTICA AB1:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85.
Risolve strade con rapporto tra l'interdistanza dei pali e l'altezza di installazione anche superiore a 4.

AB1 OPTIC:
Street optic normally used for all street illumination categories, especially when the relation between the installation height and the carriage width is greater than 0.85.
This optic solves roads with a relationship between the poles distance and the installation height even higher than 4.

Codici prodotto / *Product codes*

4000K - CRI > 70

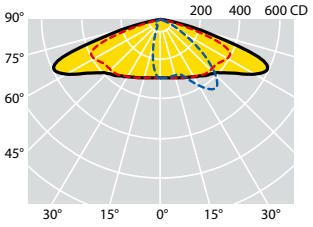
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
72145	**48920**	24 LED	AB1	350mA	50	9120	7600	•		10,00	0,0514
72446	**72400**	24 LED	AB1	400mA	57	10260	8550	•		10,00	0,0514
72146	**48921**	30 LED	AB1	350mA	63	11520	9600	•		10,00	0,0514
72147	**48922**	30 LED	AB1	400mA	73	12790	10660	•		10,00	0,0514
72148	**48923**	36 LED	AB1	350mA	75	13560	11300	•		10,00	0,0514
72447	**72401**	36 LED	AB1	430mA	91	15800	13170	•		10,00	0,0514
72149	**72134**	36 LED	AB1	500mA	106	17810	14840	•		10,00	0,0514
Tecnologia LED MD						*MD LED technology*					
46033	**46533**	18 LED	AB1	530mA	29	4980	4150	•	•	10,60	0,0514
46034	**46534**	18 LED	AB1	700mA	39	6400	5330	•		10,60	0,0514
72564	**72661**	24 LED	AB1	600mA	44	7285	6070	•		10,85	0,0514
46050	**46550**	24 LED	AB1	700mA	52	8500	7080	•		10,85	0,0514
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
72565	**72662**	6 LED	AB1	600mA	44	8040	6700	•	•	10,45	0,0514
72566	**72663**	6 LED	AB1	700mA	52	9240	7700	•	•	10,45	0,0514
46435	**46959**	6 LED	AB1	800mA	58	10200	8500	•	•	10,45	0,0514
72567	**72664**	6 LED	AB1	900mA	66	11160	9300	•		10,45	0,0514
46436	**46960**	6 LED	AB1	1000mA	73	12168	10140	•		10,45	0,0514
46461	**46975**	9 LED	AB1	800mA	85	15120	12600	•	•	10,50	0,0514
72568	**72665**	9 LED	AB1	900mA	98	16320	13600	•		10,50	0,0514
46462	**46976**	9 LED	AB1	1000mA	109	17880	14900	•		10,50	0,0514
46491	**46983**	12 LED	AB1	700mA	99	17640	14700	•	•	10,60	0,0514
72569	**72666**	12 LED	AB1	800mA	115	18960	15800	•	•	10,60	0,0514
72570	**72667**	12 LED	AB1	900mA	130	20880	17400	•		10,60	0,0514
46492	**46984**	12 LED	AB1	1000mA	144	22960	19130	•		10,60	0,0514
46421	**46995**	15 LED	AB1	700mA	122	21240	17700	•	•	10,75	0,0514
72571	**72668**	15 LED	AB1	800mA	140	23040	19200	•		10,75	0,0514
46422	**46996**	15 LED	AB1	900mA	158	25680	21400	•		10,75	0,0514
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

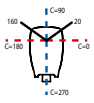
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

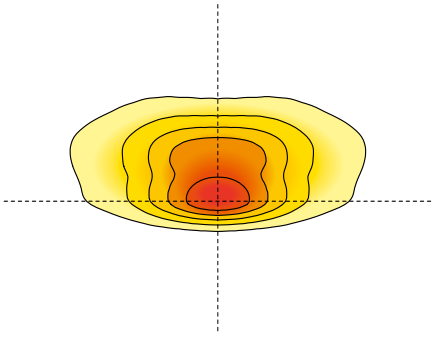
OTTICA *OPTIC* L10

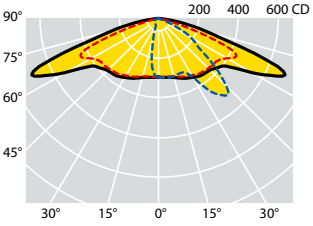
Curve fotometriche / *Photometric data*

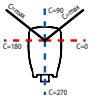




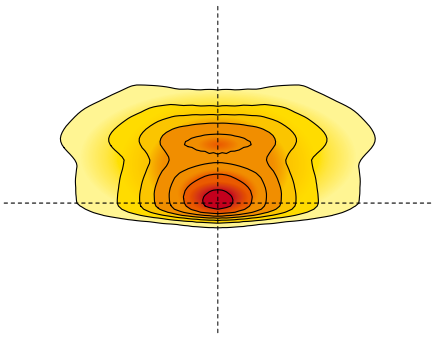
C max = 20°
LED MD

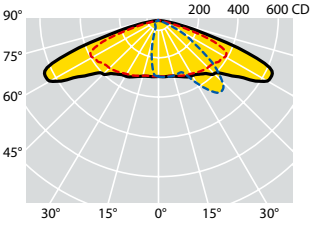


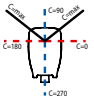




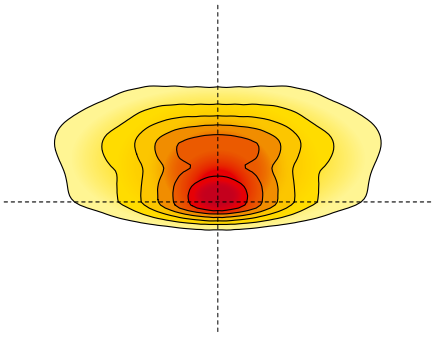
C max = 30°
LED 2mmq







C max = 25°
LED 4x4mmq



OTTICA L10:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è notevolmente maggiore di 1. Grazie al sistema ottico brevettato Safeway, che sfrutta la possibilità di inclinare i riflettori con angoli diversi, tale ottica permette di illuminare aree frontali molto ampie, risolvendo larghe carreggiate, strade a più corsie, parcheggi e piazzali molto profondi.

L10 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 1. Thanks to the Safeway patented optical system, which uses the possibility of tilting the reflectors with different inclinations, with this optic is possible to light wide frontal areas, resolving broad carriageways, roads with multiple lanes, parking spaces and very deep squares.

Codici prodotto / *Product codes*

4000K - CRI > 70

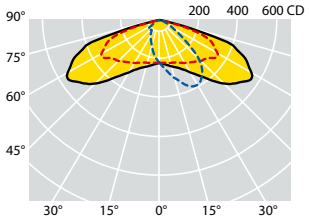
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
72455	**72409**	24 LED	L10	350mA	50	9120	7450	•		10,00	0,0514
72460	**72414**	24 LED	L10	400mA	57	10260	8380	•		10,00	0,0514
72456	**72410**	30 LED	L10	350mA	63	11520	9410	•		10,00	0,0514
72457	**72411**	30 LED	L10	400mA	73	12790	10450	•		10,00	0,0514
72458	**72412**	36 LED	L10	350mA	75	13560	11080	•		10,00	0,0514
72461	**72415**	36 LED	L10	430mA	91	15800	12910	•		10,00	0,0514
72459	**72413**	36 LED	L10	500mA	106	17810	14540	•		10,00	0,0514
Tecnologia LED MD						*MD LED technology*					
72599	**72696**	18 LED	L10	530mA	29	4880	4070	•	•	10,60	0,0514
72600	**72697**	18 LED	L10	700mA	39	6270	5225	•		10,60	0,0514
72601	**72698**	24 LED	L10	600mA	44	7140	5950	•		10,85	0,0514
72602	**72699**	24 LED	L10	700mA	52	8325	6940	•		10,85	0,0514
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
72603	**72700**	6 LED	L10	600mA	44	7880	6560	•	•	10,45	0,0514
72604	**72701**	6 LED	L10	700mA	52	9055	7550	•	•	10,45	0,0514
72605	**72702**	6 LED	L10	800mA	58	10000	8330	•	•	10,45	0,0514
72606	**72703**	6 LED	L10	900mA	66	10940	9115	•		10,45	0,0514
72607	**72704**	6 LED	L10	1000mA	73	11925	9940	•		10,45	0,0514
72608	**72705**	9 LED	L10	800mA	85	14820	12350	•	•	10,50	0,0514
72609	**72706**	9 LED	L10	900mA	98	15995	13330	•	•	10,50	0,0514
72610	**72707**	9 LED	L10	1000mA	109	17520	14600	•		10,50	0,0514
72611	**72708**	12 LED	L10	700mA	99	17290	14405	•		10,60	0,0514
72612	**72709**	12 LED	L10	800mA	115	18580	15485	•	•	10,60	0,0514
72613	**72710**	12 LED	L10	900mA	130	20460	17050	•		10,60	0,0514
72614	**72711**	12 LED	L10	1000mA	144	22500	18750	•		10,60	0,0514
72615	**72712**	15 LED	L10	700mA	122	20815	17350	•	•	10,75	0,0514
72616	**72713**	15 LED	L10	800mA	140	22580	18820	•		10,75	0,0514
72617	**72714**	15 LED	L10	900mA	158	25165	20970	•		10,75	0,0514
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

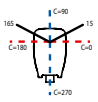
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

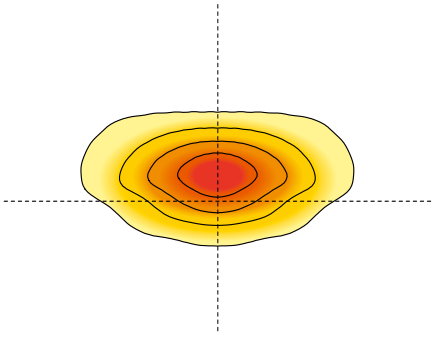
OTTICA *OPTIC* W2

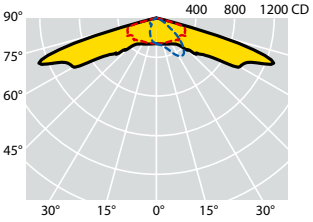
Curve fotometriche / *Photometric data*

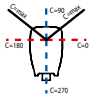




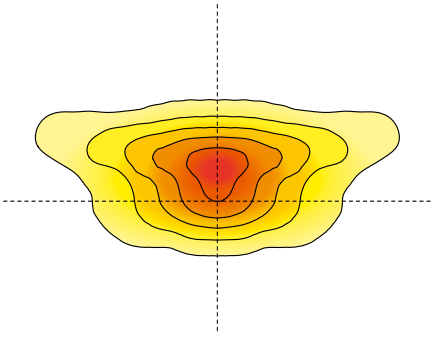
C max = 15°
LED MD

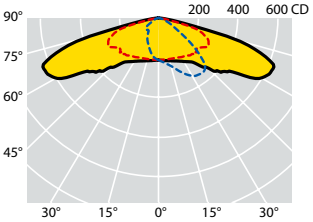


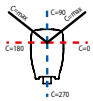




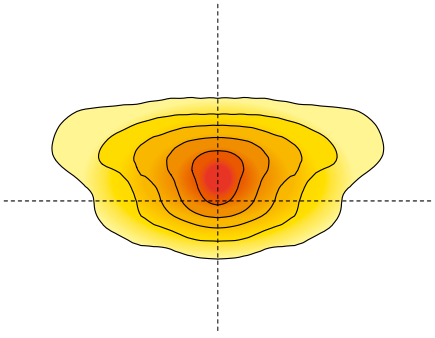
C max = 25°
LED 2mmq







C max = 20°
LED 4mmq



OTTICA W2:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85. L'ottica W2, presenta un notevole retroflusso che permette di risolvere installazioni con sbracci.

W2 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 0.85. The W2 optic features a notable back-flow that allows to solve installations with outreaches.

Codici prodotto / *Product codes*

4000K - CRI > 70

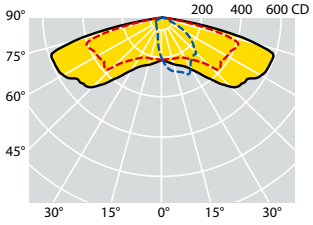
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
72476	**72430**	36 LED	W2	200mA	43	8400	7000	•	•	10,00	0,0514
72477	**72431**	36 LED	W2	230mA	49	9480	7900	•	•	10,00	0,0514
72478	**72432**	36 LED	W2	280mA	60	11280	9400	•	•	10,00	0,0514
72479	**72433**	36 LED	W2	350mA	75	13620	11350	•		10,00	0,0514
72480	**72434**	36 LED	W2	480mA	103	17160	14300	•		10,00	0,0514
72481	**72435**	48 LED	W2	200mA	56	10740	8950	•	•	10,00	0,0514
72482	**72436**	48 LED	W2	350mA	100	18120	15100	•		10,00	0,0514
72483	**72437**	48 LED	W2	400mA	114	20100	16750	•		10,00	0,0514
Tecnologia LED MD						*MD LED technology*					
72643	**72740**	24 LED	W2	530mA	40	6840	5700	•	•	10,00	0,0514
72644	**72741**	24 LED	W2	700mA	52	8640	7200	•		10,00	0,0514
72645	**72742**	36 LED	W2	530mA	58	9900	8250	•		10,10	0,0514
72646	**72743**	36 LED	W2	600mA	67	11040	9200	•		10,10	0,0514
72647	**72744**	36 LED	W2	700mA	76	12540	10450	•		10,10	0,0514
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
72648	**72745**	36 LED	W2	700mA	76	12720	10600	•	•	10,10	0,0514
72649	**72746**	36 LED	W2	800mA	88	14640	12200	•		10,10	0,0514
72650	**72747**	36 LED	W2	900mA	101	16500	13750	•		10,10	0,0514
72651	**72748**	36 LED	W2	1000mA	115	17580	14650	•		10,10	0,0514
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

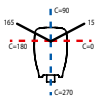
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

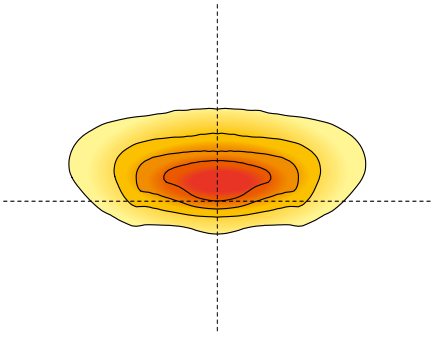
OTTICA
OPTIC
S

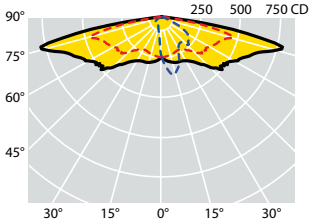
Curve fotometriche / *Photometric data*

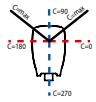




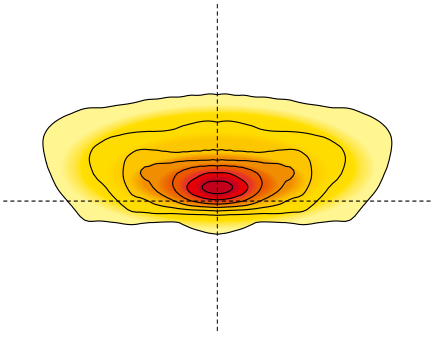
C max = 15°
LED MD

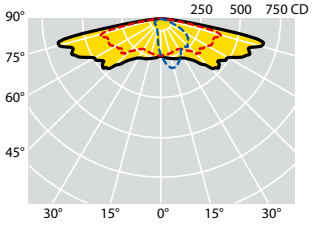


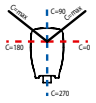




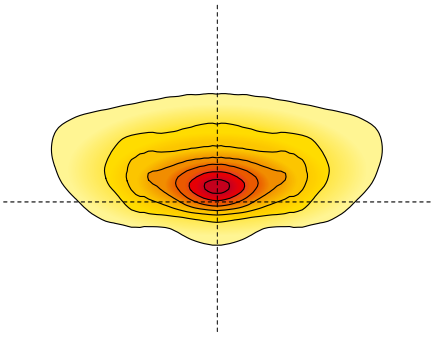
C max = 20°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA S:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Tale ottica è particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1. Risolve strade con interdistanze molto elevate e rapporto interdistanza / altezza d'installazione superiore a 5.

S OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1. It is also appropriate for roads with very high interdistances and an interdistance / installation height ratio greater than 5.

Codici prodotto / *Product codes*

4000K - CRI > 70

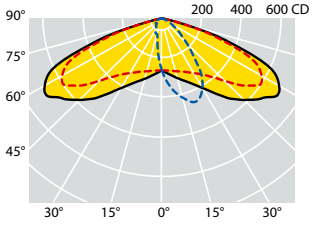
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
72150	**72135**	36 LED	S	200mA	43	8400	6600	•	•	10,00	0,0514
72152	**48928**	36 LED	S	230mA	49	9480	7450	•	•	10,00	0,0514
72154	**72137**	36 LED	S	280mA	60	11280	8850	•	•	10,00	0,0514
72156	**48929**	36 LED	S	350mA	75	13620	10700	•		10,00	0,0514
72158	**72139**	36 LED	S	480mA	103	17160	13550	•		10,00	0,0514
72224	**48930**	48 LED	S	200mA	56	10740	8500	•	•	10,00	0,0514
72226	**48931**	48 LED	S	350mA	100	18120	14000	•		10,00	0,0514
72324	**72323**	48 LED	S	400mA	114	20100	15550	•		10,00	0,0514
Tecnologia LED MD						*MD LED technology*					
48461	**48462**	24 LED	S	530mA	40	6840	5350	•	•	10,00	0,0514
48463	**48464**	24 LED	S	700mA	52	8640	6760	•		10,00	0,0514
48467	**48468**	36 LED	S	530mA	58	9900	7750	•		10,10	0,0514
72640	**72737**	36 LED	S	600mA	67	11040	8640	•		10,10	0,0514
48469	**48470**	36 LED	S	700mA	76	12540	9820	•		10,10	0,0514
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
72641	**72738**	36 LED	S	700mA	76	12720	9960	•	•	10,10	0,0514
48520	**48521**	36 LED	S	800mA	88	14640	11460	•		10,10	0,0514
72642	**72739**	36 LED	S	900mA	101	16500	12920	•		10,10	0,0514
48522	**48523**	36 LED	S	1000mA	115	17580	13770	•		10,10	0,0514
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

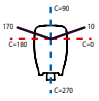
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

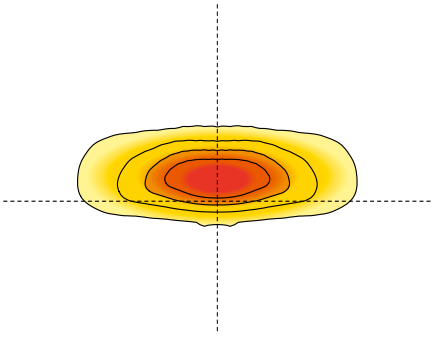
OTTICA
OPTIC

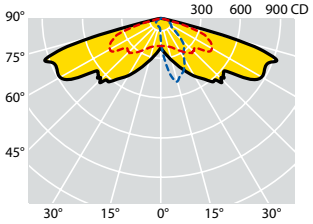
Curve fotometriche / *Photometric data*

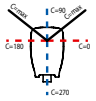




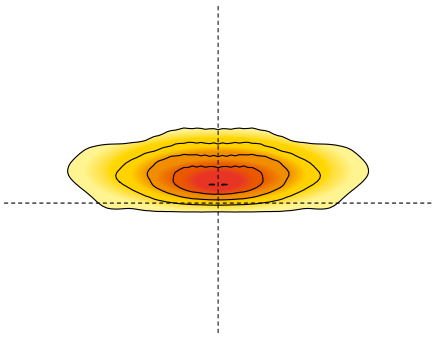
C max = 10°
LED MD

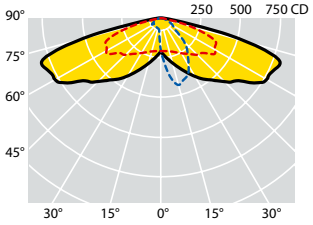


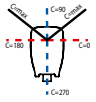




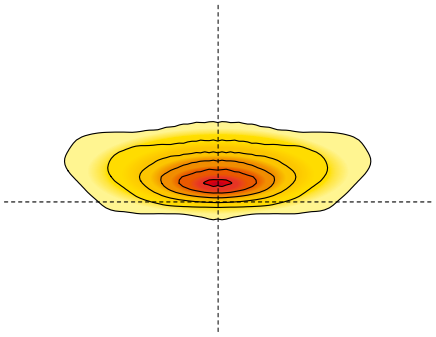
C max = 15°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA V:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1.

V OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1.

Codici prodotto / *Product codes*

4000K - CRI > 70

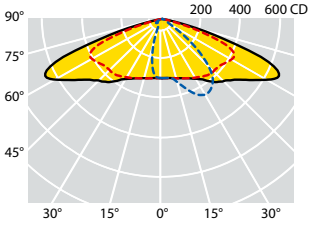
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
72151	**72136**	36 LED	V	200mA	43	8400	7000	•	•	10,00	0,0514
72153	**48924**	36 LED	V	230mA	49	9480	7900	•	•	10,00	0,0514
72155	**72138**	36 LED	V	280mA	60	11280	9400	•	•	10,00	0,0514
72157	**48925**	36 LED	V	350mA	75	13620	11350	•		10,00	0,0514
72159	**72140**	36 LED	V	480mA	103	17160	14300	•		10,00	0,0514
72225	**48926**	48 LED	V	200mA	56	10740	8950	•	•	10,00	0,0514
72227	**48927**	48 LED	V	350mA	100	18120	15100	•		10,00	0,0514
72326	**72325**	48 LED	V	400mA	114	20100	16750	•		10,00	0,0514
Tecnologia LED MD						*MD LED technology*					
48530	**48531**	24 LED	V	530mA	40	6840	5700	•	•	10,00	0,0514
48532	**48533**	24 LED	V	700mA	52	8640	7200	•		10,00	0,0514
48534	**48535**	36 LED	V	530mA	58	9900	8250	•		10,10	0,0514
72637	**72734**	36 LED	V	600mA	67	11040	9200	•		10,10	0,0514
48536	**48537**	36 LED	V	700mA	76	12540	10450	•		10,10	0,0514
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
72638	**72735**	36 LED	V	700mA	76	12720	10600	•	•	10,10	0,0514
48540	**48541**	36 LED	V	800mA	88	14640	12200	•		10,10	0,0514
72639	**72736**	36 LED	V	900mA	101	16500	13750	•		10,10	0,0514
48542	**48543**	36 LED	V	1000mA	115	17580	14650	•		10,10	0,0514
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

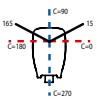
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

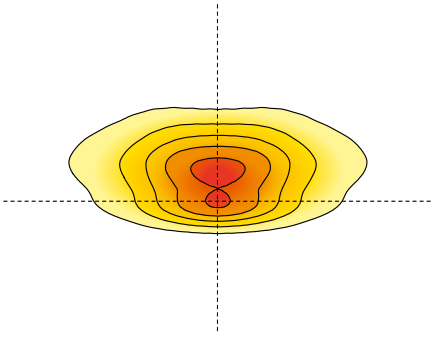
OTTICA *OPTIC* AB1

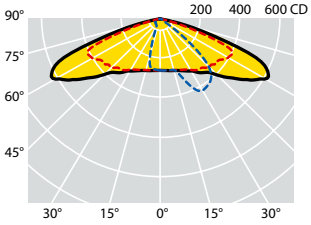
Curve fotometriche / *Photometric data*

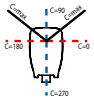




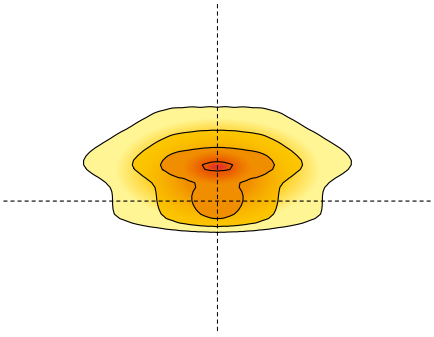
C max = 15°
LED MD

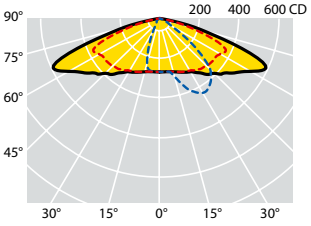


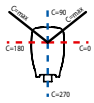




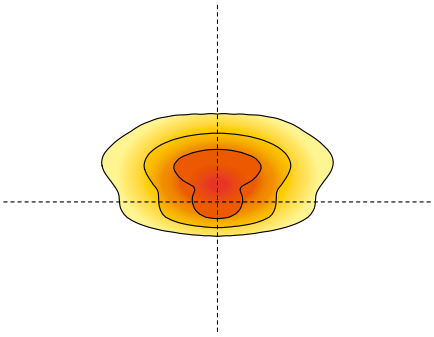
C max = 20°
LED 2mmq







C max = 15°
LED 4x4mmq



OTTICA AB1:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85.
Risolve strade con rapporto tra l'interdistanza dei pali e l'altezza di installazione anche superiore a 4.

AB1 OPTIC:
Street optic normally used for all street illumination categories, especially when the relation between the installation height and the carriage width is greater than 0.85.
This optic solves roads with a relationship between the poles distance and the installation height even higher than 4.

Codici prodotto / *Product codes*

4000K - CRI > 70

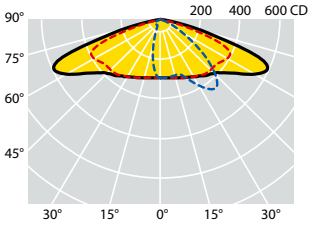
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
63676	**63603**	10 LED	AB1	200mA	12	2260	1880	•	•	6,80	0,0293
63677	**63604**	10 LED	AB1	280mA	17	3120	2600	•	•	6,80	0,0293
63334	**63270**	10 LED	AB1	350mA	22	3820	3180	•		6,80	0,0293
63678	**63605**	15 LED	AB1	260mA	24	4200	3500	•	•	6,80	0,0293
63335	**63271**	15 LED	AB1	320mA	30	5090	4240	•		6,80	0,0293
63336	**63272**	20 LED	AB1	280mA	34	6110	5090	•	•	6,80	0,0293
63337	**63273**	20 LED	AB1	350mA	43	7500	6250	•		6,80	0,0293
63352	**63351**	20 LED	AB1	410mA	51	8580	7150	•		6,80	0,0293
63338	**63274**	25 LED	AB1	350mA	56	9540	7950	•		6,80	0,0293
63339	**63275**	25 LED	AB1	400mA	62	10500	8750	•		6,80	0,0293
63340	**63307**	25 LED	AB1	450mA	69	11580	9650	•		6,80	0,0293
Tecnologia LED MD						*MD LED technology*					
63112	**63113**	10 LED	AB1	350mA	11	1870	1560	•	•	6,80	0,0293
63000	**63001**	10 LED	AB1	530mA	17	2845	2370	•	•	6,80	0,0293
63808	**63890**	15 LED	AB1	500mA	24	3830	3190	•	•	6,80	0,0293
63008	**63009**	20 LED	AB1	530mA	33	5375	4480	•	•	6,90	0,0293
63809	**63891**	25 LED	AB1	500mA	39	6215	5180	•	•	6,95	0,0293
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
63810	**63892**	6 LED	AB1	500mA	37	6480	5400	•	•	6,80	0,0293
63811	**63893**	6 LED	AB1	600mA	45	7620	6350	•	•	6,80	0,0293
63124	**63125**	6 LED	AB1	700mA	52	8400	7000	•	•	6,80	0,0293
63024	**63025**	6 LED	AB1	800mA	58	9120	7600	•		6,80	0,0293
63812	**63894**	6 LED	AB1	900mA	65	10140	8450	•		6,80	0,0293
63813	**63895**	9 LED	AB1	600mA	64	10440	8700	•	•	6,80	0,0293
63120	**63121**	9 LED	AB1	700mA	75	11880	9900	•	•	6,80	0,0293
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

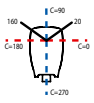
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

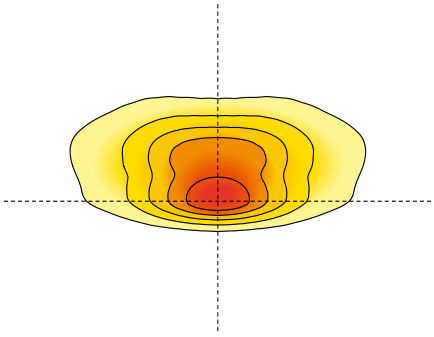
OTTICA *OPTIC* L10

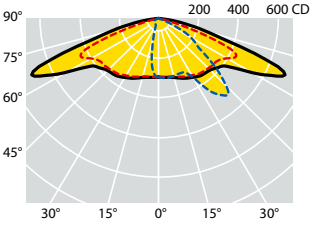
Curve fotometriche / *Photometric data*

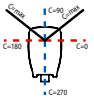




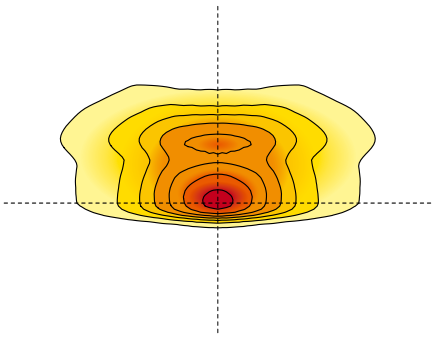
C max = 20°
LED MD

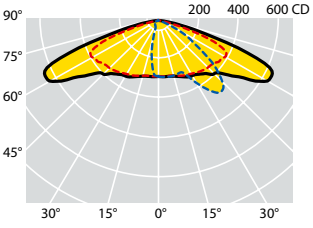


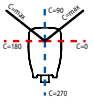




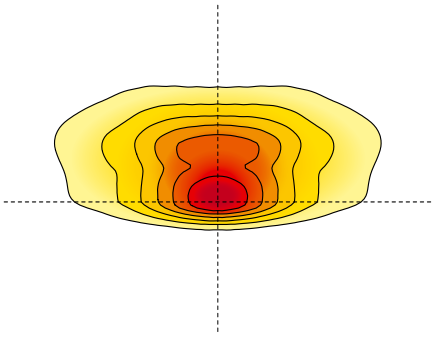
C max = 30°
LED 2mmq







C max = 25°
LED 4x4mmq



OTTICA L10:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è notevolmente maggiore di 1. Grazie al sistema ottico brevettato Safeway, che sfrutta la possibilità di inclinare i riflettori con angoli diversi, tale ottica permette di illuminare aree frontali molto ampie, risolvendo larghe carreggiate, strade a più corsie, parcheggi e piazzali molto profondi.

L10 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 1. Thanks to the Safeway patented optical system, which uses the possibility of tilting the reflectors with different inclinations, with this optic is possible to light wide frontal areas, resolving broad carriageways, roads with multiple lanes, parking spaces and very deep squares.

Codici prodotto / *Product codes*

4000K - CRI > 70

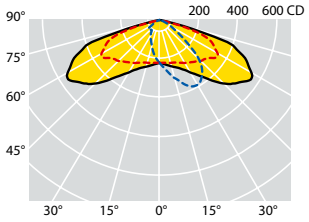
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
63698	**63625**	10 LED	L10	200mA	12	2260	1840	•	•	6,80	0,0293
63699	**63626**	10 LED	L10	280mA	17	3120	2550	•	•	6,80	0,0293
63690	**63617**	10 LED	L10	350mA	22	3820	3120	•		6,80	0,0293
63700	**63627**	15 LED	L10	260mA	24	4200	3430	•	•	6,80	0,0293
63691	**63618**	15 LED	L10	320mA	30	5090	4160	•		6,80	0,0293
63692	**63619**	20 LED	L10	280mA	34	6110	4990	•	•	6,80	0,0293
63693	**63620**	20 LED	L10	350mA	43	7500	6230	•		6,80	0,0293
63694	**63621**	20 LED	L10	410mA	51	8580	7010	•		6,80	0,0293
63695	**63622**	25 LED	L10	350mA	56	9540	7790	•		6,80	0,0293
63696	**63623**	25 LED	L10	400mA	62	10500	8580	•		6,80	0,0293
63697	**63624**	25 LED	L10	450mA	69	11580	9460	•		6,80	0,0293
Tecnologia LED MD						*MD LED technology*					
63832	**63914**	10 LED	L10	350mA	11	1870	1530	•	•	6,80	0,0293
63833	**63915**	10 LED	L10	530mA	17	2845	2320	•	•	6,80	0,0293
63834	**63916**	15 LED	L10	500mA	24	3830	3125	•	•	6,80	0,0293
63835	**63917**	20 LED	L10	530mA	33	5375	4390	•	•	6,90	0,0293
63836	**63918**	25 LED	L10	500mA	39	6215	5080	•	•	6,95	0,0293
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
63837	**63919**	6 LED	L10	500mA	37	6480	5300	•	•	6,80	0,0293
63838	**63920**	6 LED	L10	600mA	45	7620	6225	•	•	6,80	0,0293
63839	**63921**	6 LED	L10	700mA	52	8400	6860	•	•	6,80	0,0293
63840	**63922**	6 LED	L10	800mA	58	9120	7450	•		6,80	0,0293
63841	**63923**	6 LED	L10	900mA	65	10140	8280	•		6,80	0,0293
63842	**63924**	9 LED	L10	600mA	64	10440	8525	•	•	6,80	0,0293
63843	**63925**	9 LED	L10	700mA	75	11880	9700	•	•	6,80	0,0293
Tecnologia LED Multichip (4X4mmq)						*Multichip LED technology (4X4mmq)*					

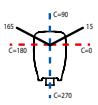
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

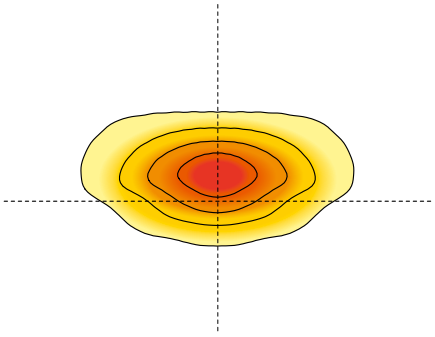
OTTICA *OPTIC* W2

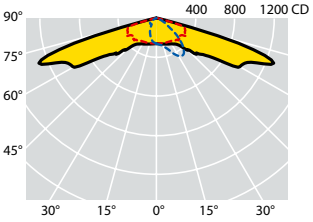
Curve fotometriche / *Photometric data*

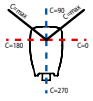




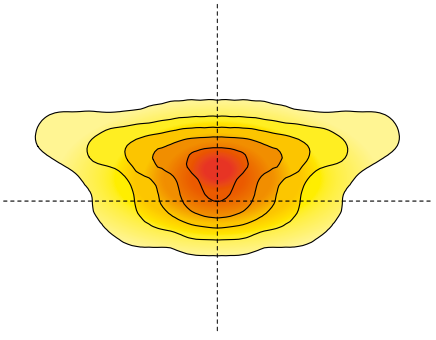
C max = 15°
LED MD

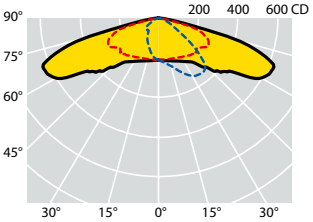


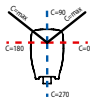




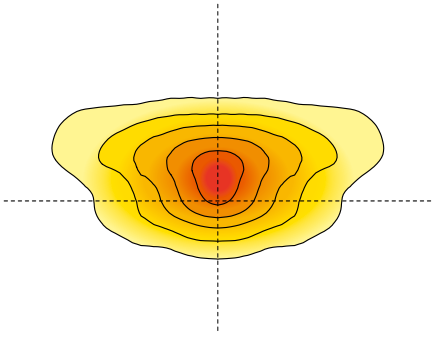
C max = 25°
LED 2mmq







C max = 20°
LED 4mmq



OTTICA W2:
Ottica stradale normalmente impiegata per tutte le categorie illuminotecniche, specialmente quando il rapporto tra l'altezza di installazione dell'apparecchio e la larghezza della carreggiata è maggiore di 0,85. L'ottica W2, presenta un notevole retroflusso che permette di risolvere installazioni con sbracci.

W2 OPTIC:
Street optic normally used for all categories lighting, especially when the installation height and the carriage width ratio is considerably greater than 0.85. The W2 optic features a notable back-flow that allows to solve installations with outreaches.

Codici prodotto / *Product codes*

4000K - CRI > 70

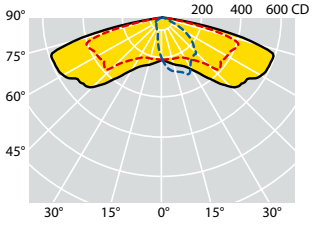
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
63738	**63665**	8 LED	W2	200mA	10	1920	1600	•	•	6,80	0,0293
63739	**63666**	8 LED	W2	300mA	15	2800	2330	•	•	6,80	0,0293
63731	**63658**	16 LED	W2	200mA	20	3840	3200	•	•	6,80	0,0293
63736	**63663**	16 LED	W2	250mA	25	4610	3840	•	•	6,80	0,0293
63737	**63664**	16 LED	W2	300mA	30	5460	4550	•	•	6,80	0,0293
63732	**63659**	16 LED	W2	350mA	35	6300	5250	•		6,80	0,0293
63733	**63660**	24 LED	W2	280mA	44	8060	6720	•	•	6,80	0,0293
63734	**63661**	24 LED	W2	400mA	59	10390	8660	•		6,80	0,0293
63735	**63662**	24 LED	W2	455mA	67	11720	9770	•		6,80	0,0293
Tecnologia LED MD						*MD LED technology*					
63868	**63950**	8 LED	W2	530mA	13	2240	1870	•	•	6,80	0,0293
63869	**63951**	8 LED	W2	700mA	18	2900	2420	•		6,80	0,0293
63870	**63952**	16 LED	W2	530mA	26	4520	3770	•	•	6,80	0,0293
63871	**63953**	16 LED	W2	700mA	35	5780	4820	•		6,80	0,0293
63872	**63954**	24 LED	W2	530mA	40	6820	5690	•	•	6,80	0,0293
63873	**63955**	24 LED	W2	700mA	52	8540	7120	•		6,80	0,0293
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
63874	**63956**	16 LED	W2	750mA	37	6120	5100	•		6,80	0,0293
63875	**63957**	16 LED	W2	800mA	40	6480	5400	•		6,80	0,0293
63876	**63958**	16 LED	W2	900mA	45	7200	6000	•		6,80	0,0293
63877	**63959**	24 LED	W2	700mA	52	8580	7150	•	•	6,80	0,0293
63878	**63960**	24 LED	W2	800mA	59	9660	8050	•		6,80	0,0293
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

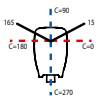
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

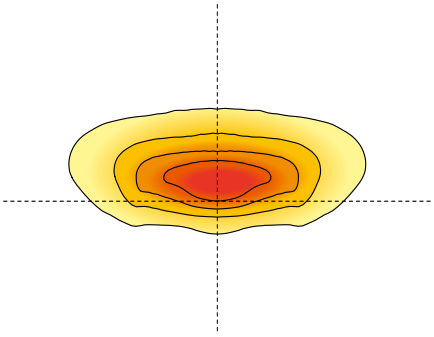
OTTICA
OPTIC
S

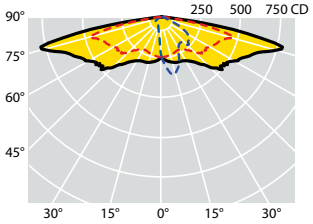
Curve fotometriche / *Photometric data*

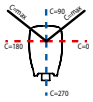




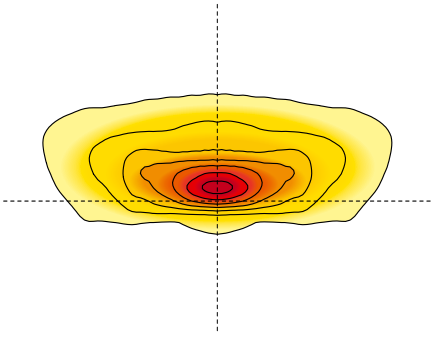
C max = 15°
LED MD

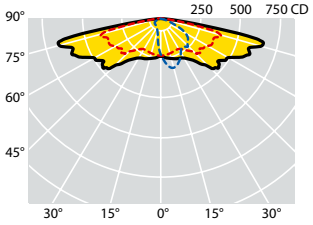


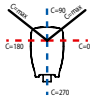




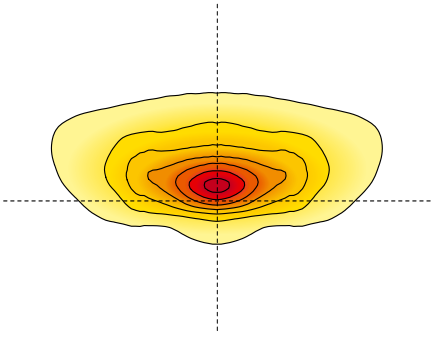
C max = 20°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA S:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Tale ottica è particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1. Risolve strade con interdistanze molto elevate e rapporto interdistanza / altezza d'installazione superiore a 5.

S OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1. It is also appropriate for roads with very high interdistances and an interdistance / installation height ratio greater than 5.

Codici prodotto / *Product codes*

4000K - CRI > 70

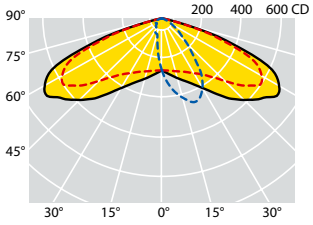
Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
63729	**63656**	8 LED	S	200mA	10	1920	1500	•	•	6,80	0,0293
63730	**63657**	8 LED	S	300mA	15	2800	2190	•	•	6,80	0,0293
63341	**63279**	16 LED	S	200mA	20	3840	3000	•	•	6,80	0,0293
63727	**63654**	16 LED	S	250mA	25	4610	3600	•	•	6,80	0,0293
63728	**63655**	16 LED	S	300mA	30	5460	4270	•	•	6,80	0,0293
63343	**63280**	16 LED	S	350mA	35	6300	5000	•		6,80	0,0293
63345	**63308**	24 LED	S	280mA	44	8060	6300	•	•	6,80	0,0293
63347	**63281**	24 LED	S	400mA	59	10390	8050	•		6,80	0,0293
63349	**63311**	24 LED	S	455mA	67	11720	9050	•		6,80	0,0293
Tecnologia LED MD						*MD LED technology*					
63080	**63081**	8 LED	S	530mA	13	2240	1750	•	•	6,80	0,0293
63082	**63083**	8 LED	S	700mA	18	2900	2270	•		6,80	0,0293
63084	**63085**	16 LED	S	530mA	26	4520	3540	•	•	6,80	0,0293
63086	**63087**	16 LED	S	700mA	35	5780	4530	•		6,80	0,0293
63088	**63089**	24 LED	S	530mA	40	6820	5340	•	•	6,80	0,0293
63090	**63091**	24 LED	S	700mA	52	8540	6690	•		6,80	0,0293
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
63864	**63946**	16 LED	S	750mA	37	6120	4790	•		6,80	0,0293
63218	**63219**	16 LED	S	800mA	40	6480	5070	•		6,80	0,0293
63865	**63947**	16 LED	S	900mA	45	7200	5640	•		6,80	0,0293
63866	**63948**	24 LED	S	700mA	52	8580	6720	•	•	6,80	0,0293
63092	**63093**	24 LED	S	800mA	59	9660	7560	•		6,80	0,0293
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

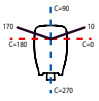
I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

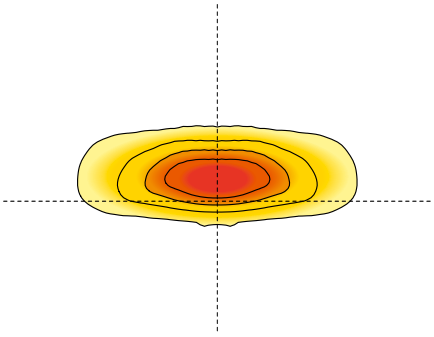
OTTICA
OPTIC

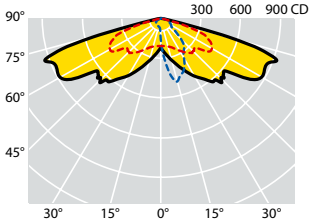
Curve fotometriche / *Photometric data*

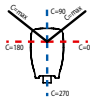




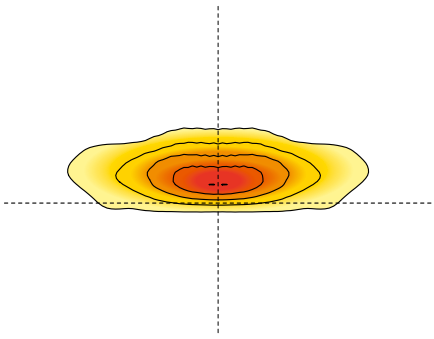
C max = 10°
LED MD

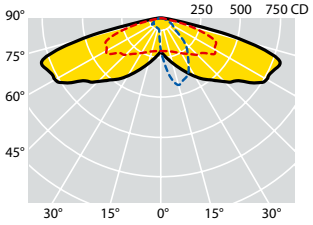


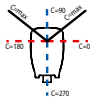




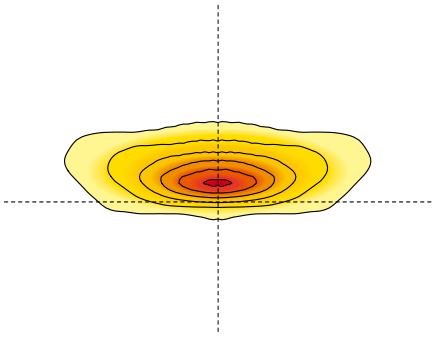
C max = 15°
LED 2mmq







C max = 15°
LED 4mmq



OTTICA V:
Ottica stradale normalmente impiegata per categorie illuminotecniche fino a M3. Particolarmente indicata in situazioni in cui il rapporto tra l'altezza di installazione e la larghezza della carreggiata è inferiore a 1.

V OPTIC:
Street optic normally used for lighting categories up to M3. This optic is particularly suitable for situations where the installation height and the width of the carriageway ratio is less than 1.

Codici prodotto / *Product codes*

4000K - CRI > 70

Codice *Code* CL I	Codice *Code* CL II	Numero LED *Number of LED*	Ottica *Optic*	Corrente di pilotaggio *Led Current* (mA)	W (LED+ DRIVER)	Flusso lum. nom. piastra LED *Nominal flux LED plate* (Lumen)	Flusso utile in uscita *Useful output flux* (Lumen)	Temp. ambiente *Ambient temp.* ta 35°C	Temp. ambiente *Ambient temp.* ta 50°C	Peso lordo *Gross weight* (kg)	Vol. (m^3)
63725	**63652**	8 LED	V	200mA	10	1920	1600	•	•	6,80	0,0293
63726	**63653**	8 LED	V	300mA	15	2800	2330	•	•	6,80	0,0293
63342	**63276**	16 LED	V	200mA	20	3840	3200	•	•	6,80	0,0293
63723	**63650**	16 LED	V	250mA	25	4610	3840	•	•	6,80	0,0293
63724	**63651**	16 LED	V	300mA	30	5460	4550	•	•	6,80	0,0293
63344	**63277**	16 LED	V	350mA	35	6300	5250	•		6,80	0,0293
63346	**63310**	24 LED	V	280mA	44	8060	6720	•	•	6,80	0,0293
63348	**63278**	24 LED	V	400mA	59	10390	8660	•		6,80	0,0293
63350	**63312**	24 LED	V	455mA	67	11720	9770	•		6,80	0,0293
Tecnologia LED MD						*MD LED technology*					
63096	**63097**	8 LED	V	530mA	13	2240	1870	•	•	6,80	0,0293
63098	**63099**	8 LED	V	700mA	18	2900	2420	•		6,80	0,0293
63100	**63101**	16 LED	V	530mA	26	4520	3770	•	•	6,80	0,0293
63102	**63103**	16 LED	V	700mA	35	5780	4820	•		6,80	0,0293
63104	**63105**	24 LED	V	530mA	40	6820	5690	•	•	6,80	0,0293
63106	**63107**	24 LED	V	700mA	52	8540	7120	•		6,80	0,0293
Tecnologia LED Singlechip (2mmq)						*Singlechip LED technology (2mmq)*					
63858	**63940**	16 LED	V	750mA	37	6120	5100	•		6,80	0,0293
63220	**63221**	16 LED	V	800mA	40	6480	5400	•		6,80	0,0293
63859	**63941**	16 LED	V	900mA	45	7200	6000	•		6,80	0,0293
63860	**63942**	24 LED	V	700mA	52	8580	7150	•	•	6,80	0,0293
63108	**63109**	24 LED	V	800mA	59	9660	8050	•		6,80	0,0293
Tecnologia LED Singlechip (4mmq)						*Singlechip LED technology (4mmq)*					

I valori di flusso indicati devono essere considerati con una tolleranza del +/- 10%.
I valori di potenza elettrica indicati devono essere considerati con una tolleranza del +/- 5%.
I flussi luminosi indicati in tabella subiranno modifiche e miglioramenti in funzione della continua evoluzione tecnica dell'efficienza luminosa dei led.

The flux values are to be considered with a tolerance of +/- 10%.
The wattages values are to be considered with a tolerance of +/- 5%.
The flows indicated in the table may be changed and improved according to the constant technical evolution of the light efficiency of the led.

Accessori e ricambi / *Accessories and spare parts*

60031
Mensola a spigolo componibile
Modular corner bracket

60026
Mensola a parete elettrosaldata
Wall bracket electro welded

60030
Mensola a parete componibile
Modular wall bracket

60063
Mensola a spigolo elettrosaldata
Corner bracket electro welded

Codice *Code*	Descrizione *Description*	Peso Lordo *Gross Weight* (Kg)	Conf. *Packing* (Pz./Pcs)	Colore *Color*	Vol. (m^3)
60026	Mensola a parete elettrosaldata Ø mm 60 *Wall bracket electro welded Ø mm 60*	1,27	6	Zincata a caldo *Hot galvanized*	0,00257
60030	Mensola a parete componibile Ø mm 60 *Modular wall bracket Ø mm 60*	1,05	4	Zincata a caldo *Hot galvanized*	0,00160
60063	Mensola a spigolo elettrosaldata Ø mm 60 *Corner bracket electro welded Ø mm 60*	2,60	4	Zincata a caldo *Hot galvanized*	0,00835
60031	Mensola a spigolo componibile Ø mm 60 *Modular corner bracket Ø mm 60*	1,90	3	Zincata a caldo *Hot galvanized*	0,00210
18332	PROXIMO Vetro temperato extra chiaro 4 mm *Extra-clear tempered glass 4 mm thick*				
20643	PROXIMO CITY Vetro temperato extra chiaro 4 mm *Extra-clear tempered glass 4 mm thick*				
25786	PROXIMO WAY Vetro temperato extra chiaro 4 mm *Extra-clear tempered glass 4 mm thick*				

PROXIMO SERIES

Esercizi illuminotecnici / *Lighting exercises*

EN 13201-2

Categorie illuminotecniche strade secondo la norma tecnica EN 13201-2
Street lighting categories, in accordance with the technical regulation EN 13201-2

PROXIMO - 24 LED MULTICHIP - OTTICA AB1 - 800mA
PROXIMO - 24 LED MULTICHIP - AB1 OPTIC - 800mA

Données		*Datos*	
Larghezza carreggiata:	2X12 metres	*Carriageway width:*	*2X12 metros*
Numero di corsie:	2X3	*Number of lanes:*	*2X3*
Altezza di installazione:	12 metres	*Installation height:*	*12 metros*
Interdistanza pali:	45 metres	*Poles distance:*	*45 metros*
Posizionamento pali:	affacciati	*Poles positioning:*	*facing*
Fattore di manutenzione:	0,80	*Maintenance factor:*	*0.80*

Lav	U0	Ul	fTI	EIR*	P (W)	Efficiency (lm/W)	IPEI	CATEGORY
2,12	0,62	0,72	10%	0,55	230	138	0,32	M1

PROXIMO CITY - 24 LED MD - OTTICA AB1 - 400mA
PROXIMO CITY - 24 LED MD - AB1 OPTIC - 400mA

Données		*Datos*	
Larghezza carreggiata:	2X7 metres	*Carriageway width:*	*2X7 metros*
Numero di corsie:	2X2	*Number of lanes:*	*2X2*
Altezza di installazione:	7,50 metres	*Installation height:*	*7.50 metros*
Interdistanza pali:	28 metres	*Poles distance:*	*28 metros*
Posizionamento pali:	doppio sbraccio mediana centrale	*Poles positioning:*	*double arm pole median arrangement*
Fattore di manutenzione:	0,80	*Maintenance factor:*	*0.80*

Lav	U0	Ul	fTI	EIR*	P (W)	Efficiency (lm/W)	IPEI	CATEGORY
1,50	0,40	0,72	9%	0,42	57	150	0,30	M2

PROXIMO WAY - 24 LED MD - OTTICA V - 400mA
PROXIMO WAY - 24 LED MD - V OPTIC - 400mA

Données		*Datos*	
Larghezza carreggiata:	7 metres	*Carriageway width:*	*7 metros*
Numero di corsie:	2	*Number of lanes:*	*2*
Altezza di installazione:	8 metres	*Installation height:*	*8 metros*
Interdistanza pali:	36 metres	*Poles distance:*	*36 metros*
Posizionamento pali:	unilaterale	*Poles positioning:*	*unilateral*
Fattore di manutenzione:	0,80	*Maintenance factor:*	*0.80*

Lav	U0	Ul	fTI	EIR*	P (W)	Efficiency (lm/W)	IPEI	CATEGORY
1,00	0,42	0,6	7%	0,37	59	146,77	0,36	M3

* EIR Edge Illumination Ratio secondo la norma EN 13201-2: 2015
** EIR Edge Illumination Ratio in accordance with EN 13201-2: 2015*