



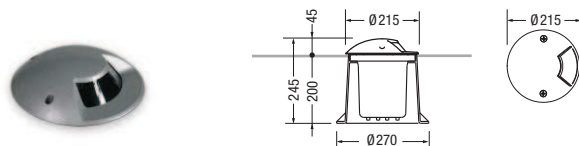
uniart
projektová kancelář

Projektant:	Ing. Tomáš Prinz, DiS.	Zodpovědný projektant:	Ing. Vladimír Dufek	Otisk autorizačního razítka:	
Vypracoval:	Ing. Tomáš Prinz, DiS.	Gen. Projektant / HIP:	Ing. Nikola Prinzová		
Kraj:	Karlovarský	MěÚ:	Horní Slavkov	Datum:	10/2018
Objednatel:	Město Horní Slavkov, Dlouhá 634/12, 357 31 Horní Slavkov			Číslo zakázky:	2018065
Název akce:	Úpravy parkové plochy u č.p. 653, Horní Slavkov			Stupeň:	DÚR+DSP+DPS
Stavební část:	D.1.3 Elektro a sdělovací objekty			Číslo přílohy:	D.1.3.3
Stavební objekt:	SO 102 Veřejné osvětlení (stožáry VO, rozvodné sloupky, LED osvětlení)			Paré číslo:	
Příloha:	Specifikace - osvětlení			Měřítko:	

GROUND RECESSED
INCASSI A TERRENO

Unbreakable UV-resistant polycarbonate.
 Policarbonato infrangibile anti UV.
 Note: 5000K on request. DALI version on request.
 Nota: A richiesta 5000K. A richiesta versione DALI.

T_{max} of glass diffuser at $T_a=25^{\circ}\text{C}$: 50°C
 Power supply: 220-240V - 50-60Hz



tellux/P2-LWNB LED

CE PG T 100% DALI IK10

Code Codice	System Power Potenza Sistema	Source Sorgente	K	Output flux Flusso uscente
D44K/P2-LWNNB-AL	4x2,2W	LED	4000K	342 lm
D44K/P2-LWNNB-AL	4x2,2W	LED	3000K	323 lm

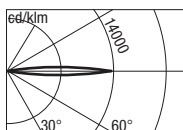
Photometric data reference:

Fotometria di riferimento:

D44K/P2-LWNNB-AL

Narrow beam

Fascio stretto



h (m)	Ø (m)	$\gamma=0.0$ $\alpha=\beta=17^{\circ}$	Emed (lx)
10.00	1.87		51
8.00	1.50		79
6.00	1.12		141
4.00	0.75		318
2.00	0.37		1271



tellux/P2-LWEB LED

CE PG T 100% DALI IK10

Code Codice	System Power Potenza Sistema	Source Sorgente	K	Output flux Flusso uscente
D44K/P2-LWNEB-AL	4x2,2W	LED	4000K	320 lm
D44K/P2-LWWEB-AL	4x2,2W	LED	3000K	302 lm

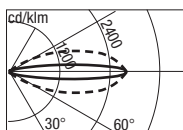
Photometric data reference:

Fotometria di riferimento:

D44K/P2-LWNEB-AL

Elliptical beam

Fascio ellittico



h (m)	Ø (m)	$\gamma=0.0$ $\alpha=13^{\circ}$	Ø (m)	$\gamma=0.0$ $\beta=43^{\circ}$	Emed (lx)
10.00	2.09		5.84		15
8.00	1.67		4.67		24
6.00	1.25		3.50		42
4.00	0.83		2.34		95
2.00	0.42		1.17		378



Accessoires included

Accessori inclusi

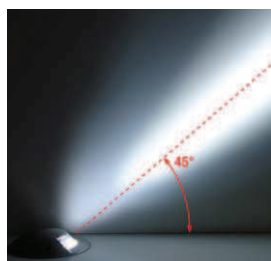
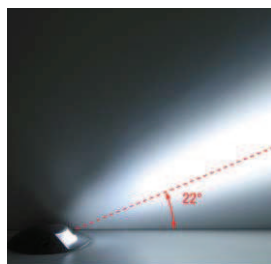
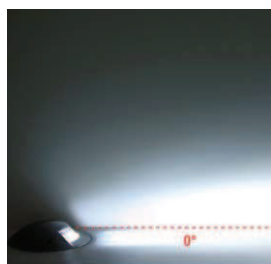
Optional accessories

Accessori opzionali

- Ground rough-in housing box, high impact resistant composite technopolymer (Code MA/1024).

- Cassaforma a terreno, in tecnopolimero composito ad alta resistenza (Cod. MA/1024).

- To see page 437
- Vedi pagina 437





ESSENCE light SMD



QES-1

QES-2

QES-3

Příkon W	40 / 60 / 80 / 100	40 / 60 / 80 / 100	40 / 60 / 80 / 100
Světelný tok (lm)	140 lm/W	140 lm/W	140 lm/W
Počet světelných jednotek	1	1	1
THD	<15%	<15%	<15%
Teplota barvy (K)	2700 - 7000	2700 - 7000	2700 - 7000
Pokles sv. intenzity za rok	1-2 %	1-2 %	1-2 %
Index podání barev	CRI > 70/80	CRI > 70/80	CRI > 70/80
Životnost	> 75.000h	> 75.000h	> 75.000h
Optický systém	křišťálové sklo	křišťálové sklo	křišťálové sklo
Rozměry (d.š.v.)	Ø 520 / 320	Ø 520 / 627	Ø 520 / 251
Hmotnost (Kg)	8,3	10,9	8,0
Napájecí napětí svítidla	(V-AC) 230 / 50Hz	(V-AC) 230 / 50Hz	(V-AC) 230 / 50Hz
Pracovní teplota (°C):	- 30°C až + 70°C	- 30°C až + 70°C	- 30°C až + 70°C
Materiál	tlakově stříkaný hliník	tlakově stříkaný hliník	tlakově stříkaný hliník
Krytí	IP 66	IP 66	IP 66
Upevnění	výložník / dřík Ø 60mm	dřík Ø 70mm	lanové uchycení



CitySoul poles and brackets

Versions



Dark gray

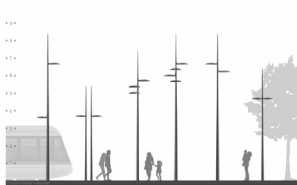
Konzoly CitySoul gen2 East - 1000 mm - 2° - Barva RAL



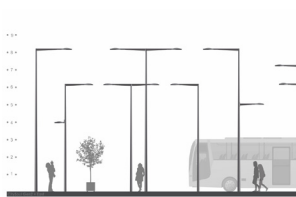
Detaily o výrobku



2D rendering CitySoul gen2 Bracket - Lyre



2D rendering CitySoul gen2 Bracket - Accent



EAST-DPP.jpg

General Information	
Značka CE	CE mark

General Information

Order Code	Full Product Name	Kód produktové řady
61257600	JRP533 MBP-S 60 DGR	JRP533
61269900	JRP534 MBP DGR	JRP534

Order Code	Full Product Name	Kód produktové řady
93707500	JGP530 MBP-S 1000 76 RAL	-



Family range

The CityCharm range is designed for use in urban areas where ambience, comfortable lighting and attractive design play an important role. It offers a choice of two iconic designs and accessories, giving you the possibility to build your own signature. CityCharm is the perfect solution for enhancing the ambience in your city.

Public lighting
CityCharm
Family range



Two designs

CityCharm comes in two designs, the Cone and Cordoba. Both have their own identity for more classical or modern architectural contexts.

A clean geometry and the use of highly qualitative materials makes CityCharm elegant and fitting easily in any urban environment.

Play with volume

The standard versions are equipped with the dark grey inner parts, but you can also leave them out, to create a bigger volume.

Color effects

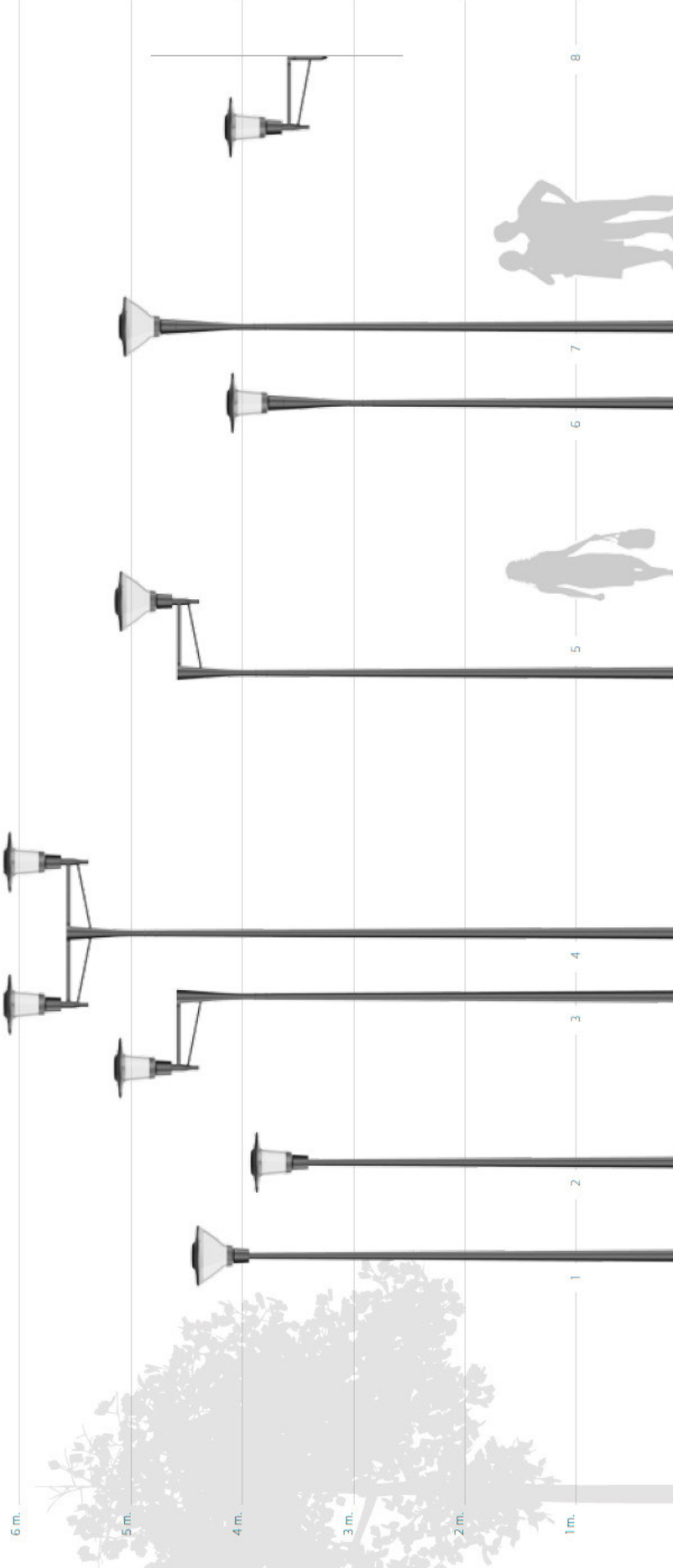
CityCharm enables you to create your own outlook of your design with some colored inner parts that can be placed inside the transparent bowl, to change its day time appearance and give a nice color signature during night time. All colored parts are available for Cone and Cordoba.

Complete sets

CityCharm Cordoba and Cone are available with a dedicated pole and dedicated brackets that give new or retrofit installations a consistent urban identity.

Complete sets

CityCharm comes with a wide choice of spigots, poles and brackets to fit different installation heights and application contexts. From post-top to side-entry and wall-mounted, CityCharm can provide it all. The range is equally suited for new installations and renovations, at any architectural scale.



- 1 CityCharm Cone with Accante pole 4 m
- 2 CityCharm Cordoba with Accante pole 3.5 m
- 3 CityCharm Cordoba with dedicated single arm bracket and Accante pole 4 m
- 4 CityCharm Cordoba with dedicated double arm bracket and Accante pole 5 m
- 5 CityCharm Cone with dedicated single arm bracket and Accante pole 4 m
- 6 CityCharm Cordoba with dedicated pole 3.6 m
- 7 CityCharm Cone with dedicated pole 4.6 m
- 8 CityCharm Cordoba with dedicated wall mounting bracket

Comfort & ambience

CityCharm was designed for applications in which comfortable lighting is always important. To enhance the range's flexibility, we have included two different diffusing solutions. That way you can tailor your solution to fit your specific lighting requirements.

For area and square lighting (typical S classes) CityCharm can be adjusted with a plate to diffuse the light.

For road and street applications (S, CE and P classes complying with ROVL standards) choose a more gentle beam.

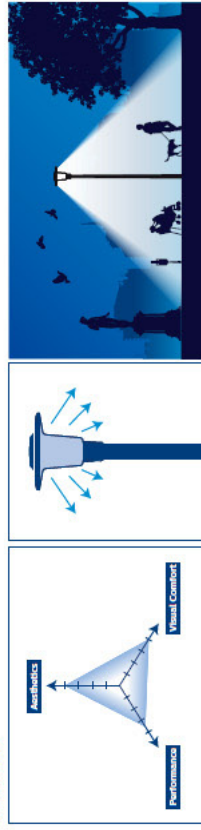


GentleBeam

The use of microlinear prisms enhances visual comfort by creating the appearance of a lighting surface with moderate luminance. At the same time, application performance remains high.

The optical system that delivers the best visual comfort and lighting performance consists of high-power LEDs, an array of lenses and a diffusing cover with a uni-dimensional microtexture, which is oriented at 0° with respect to the vertical axis. GentleBeam combines high performance with high visual comfort.

GentleBeam



Light trespass

If CityCharm is installed in residential areas and additional light control is required to prevent light trespassing, a louver is available to control back light. This louver is placed on top of the LED board and will not impact its day time appearance.



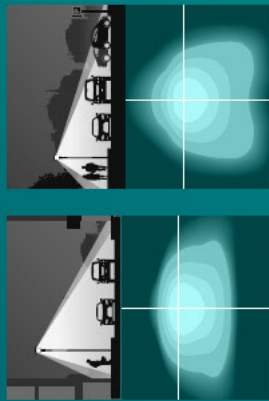
The louver is placed in front of the lenses



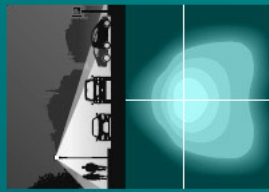
To prevent light trespass, a louver can be ordered

Lighting performance

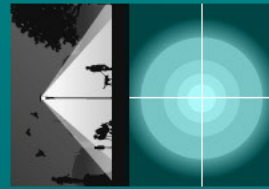
CityCharm has a very broad palette of optical distributions and combined with the high lumen range it will enable you to achieve practically any light level you need for your street, squares and area lighting. It offers up to 10,000 lumen (source).



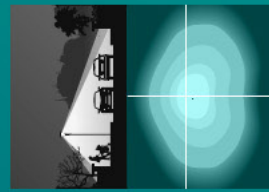
DM Distribution
Medium



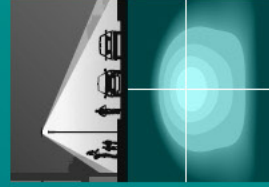
A Distribution
Asymmetrical



S Distribution
Symmetrical



DV Distribution
Wide for vertical
illuminance



DW Distribution
Wide



Family range

The ClassicStreet range was designed for use in urban centers and city areas where heritage, ambience, comfortable lighting and attractive design play an important role.

With its softened curves and high-quality finishing, ClassicStreet is an easy and elegant fit in any urban environment. The gently curved design, together with the dedicated brackets and poles, creates a contemporary look that beautifies your city and creates distinctive and warm ambiances – at night and during the day.



Post-top pole
Ø 60 mm



Post-top pole
Ø 76 mm



Post-top ClassicStreet
bracket with dedicated post-top
ClassicStreet luminaire



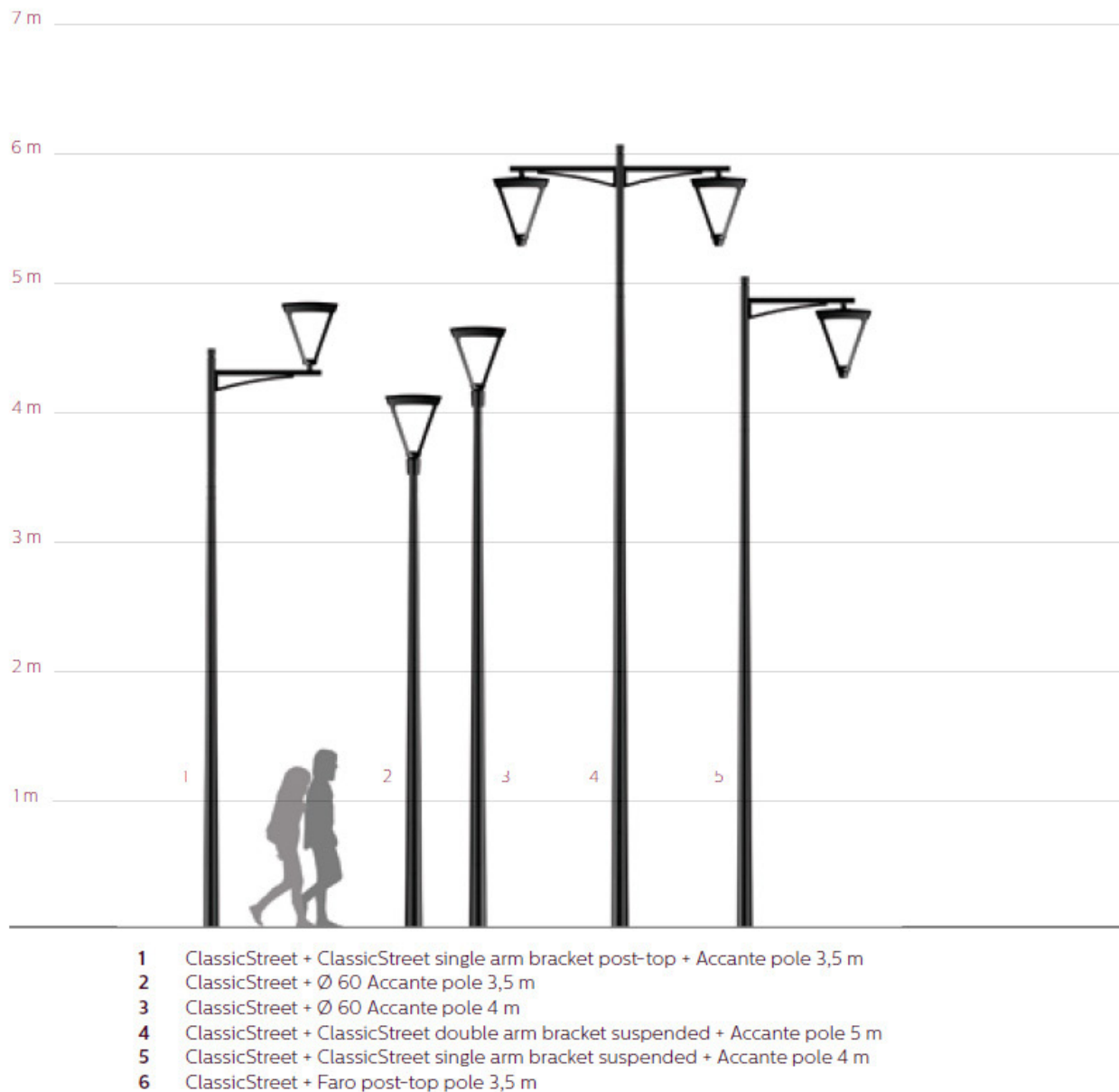
Suspended ClassicStreet bracket
with dedicated suspended
ClassicStreet luminaire



Suspended mounting using
a brass threaded spigot 1"G

Complete sets

ClassicStreet comes with a choice of poles and brackets so that you can always find the perfect fit for both classical and more modern architectural contexts. These ready-to-use complete sets have a design that is reminiscent of the classical street atmosphere, combined with a contemporary and distinctive look. The brackets all have a dedicated interface that matches the range of luminaires, for optimum design integration and ease of installation.





Stela+ gen2 Long, Square & Wide

In 2008 the arrival of the Stela family heralded a revolution in street lighting. In Stela+ gen2 we are now presenting the next generation of LEDs and introducing programmable drivers. The REVOLED cooling and light distribution concept enables tremendous energy savings and a corresponding reduction in CO2 emissions, whilst meeting current lighting standards. Excellent thermal management of the LEDs ensures a very long lifetime, eliminating the need for lamp replacement. Higher flux per LED, flux tuning (using L-Tune) and the option of employing Constant Light Output (CLO) make it possible either to reduce the number of LEDs needed (lower cost per light point) or, when using the same number of LEDs as before, to reduce the power consumption (lower Total Cost of Ownership).

Benefits

- REVOLED technology for maximum efficiency
- Fit-and-forget solution – operates at low current
- Choice of lens optics to match street geometries

Features

- Guaranteed long lifetime: up to 100,000 hours (L-Tune tool)
- Very attractive Total Cost of Ownership, ensuring sustainable investment
- Low energy consumption and small carbon footprint
- Easy installation and maintenance

Luma

IP 66 IK 09 Třída I Třída II

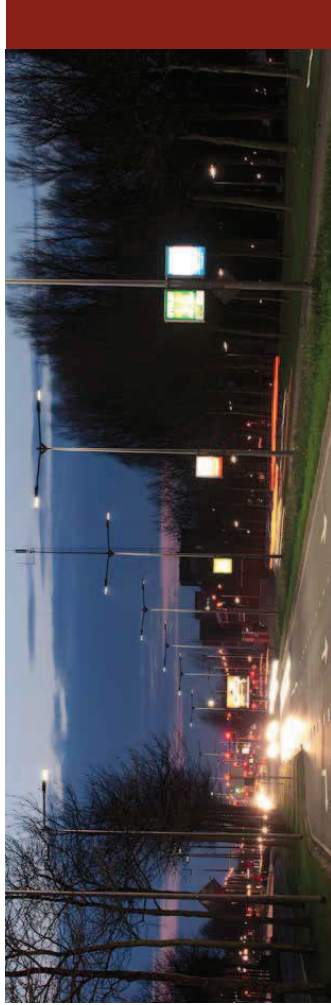
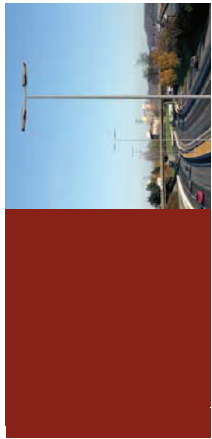
Luma

Osvětlení komunikací a veřejných prostor



Svítidlo Luma s technologií REVOLVED™ je charakteristické jedinečnou identitou, vynikajícím chlazením a téměř bezúdržbovým provozem. Je vhodné pro osvětlování všech typů ulic a komunikací. Pomocí nástroje L-Tune lze definovat světelný tok, životnost a energetický profil svítidla dle vašich požadavků. Plochy design brání vyzařování světla směrem vzhůru a optika čoček OPTIFLUX® efektivně splňuje současné normy pro osvětlování.

Svítidla LED
MiniLuma
od 40 LED
od 850 do 10 350 lm
Luma 1
od 80 LED
od 1 400 do 20 400 lm
Luma 2
od 120 LED
od 4 200 do 30 300 lm
Luma 3
od 200 LED
od 6 950 do 49 600 lm



MiniLuma Uchycení na sloup Ø 76 mm	MiniLuma Uchycení na výložník Ø 32-60 mm / Uchycení na sloup Ø 60 mm	Luma 1 Uchycení na sloup Ø 76 mm	Luma 1 Uchycení na výložník Ø 32-60 mm / Uchycení na sloup Ø 60 mm
Luma 2 Uchycení na sloup Ø 76 mm	Luma 2 Uchycení na výložník Ø 42-60 mm / Uchycení na sloup Ø 60 mm	Luma 3 Uchycení na sloup Ø 76 mm	Luma 3 Uchycení na výložník Ø 42-60 mm / Uchycení na sloup Ø 60 mm

Indal

Sloupky pro napojení vánočního osvětlení - uzamykatelné



Sloupky pro napojení vánočního osvětlení

