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UDELYS 2010

Moe & Brødsgaard

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Philips Lighting
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Indhold

- LedGine

- Produktoversigt – LED i vejbelysning (udvalg)
- Tankstationer
- Sikkerhedsbelysning
- Tunnelbelysning
- Produktoversigt – Vejbelysning (udvalg)
- Produktoversigt – Dekorativ belysning

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PRODUKTOVERSIGT

LED i vejbelysningen

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Philips udendørs LED portfolio

Vejarmaturer



Sti- og vejarmaturer



Mini LED platform
MiniMilewideLED, MiniIridiumLED,
Lille KøbenhavnerLED

Parklygter, pullerter og væg







CitySpirit

Master, armudlæg og styring

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Philips udendørs LED portfolio

Tunnelbelysning



Sikkerhedsbelysning



Tankstationer



Vejarmaturer - På vej











Master, armudlæg og styring

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CitySpirit Street LEDGINE



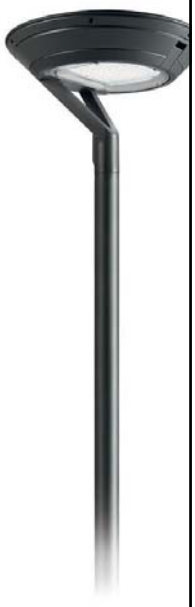


CitySpirit Street LEDGINE combines a distinctive design with high quality street lighting.
This combination makes it suitable for city centres, squares, boulevards and of course streets.

- LEDGINE inside
- Easy installation, and tool-less maintenance
- Multi-layer optic - Smooth & uniform light distribution
- Easily upgradeable
- Flexibility in light color (warm / neutral / cold white light)
- Dimmable with various contols options
- Luminaire, mast and brackets have been developed as one design

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Technical



Type		BDS480
Light source	LEDGINE	
Number of		LED's 16 - 64 LED's
Light color		Warm white (3000 K), Neutral white (4000 K)
Internal optic		Dedicated LED-optic for road lighting; giving a smooth and uniform light distribution
		Medium (DM)
		Wide (DW)
		Extra Wide (DX)
		Comfort (DC)
Optical cover		Glass
Material		Frame, housing and spigot: die-cast aluminum
		Clips, screws, clamps: stainless steel
		Optic: PMMA
		Internal heat sink: high-pressure, die-cast aluminum, non-corrosive
Color		Philips ultra-dark grey
		Other RAL or AKZO Futura colors available on request
Lifetime		60.000 hours (86% lumen maintenance at Ta = 25ºC)

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CitySoul LEDGINE



The simple, flat, ellipsoidal form of the luminaire functions as an elegant and decorative light-point, which can be combined with a broad range of bracket designs to make a unique appearance.



- LEDGINE inside
- 2 sizes for different mounting hights
- Easy installation, and tool-less maintenance
- Multi-layer optic - Smooth & uniform distribution
- Easily upgradeable
- Flexibility in light color (warm / neutral / cold white light)
- Dimmable with various contols options

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Technical



Type		BGP430, BGP431 & BSP431 (suspended version)
Light source	LEDGINE	
Number of LEDs		BGP430: 16 - 64 LED,s BGP431 and BSP431: 16 - 112 LED's
Light color		Warm white (3000 K), Neutral white (4000 K)
Internal optic		Dedicated LED-optic for road lighting; giving a smooth and uniform light distribution Medium (DM) Wide (DW) Extra wide (DX) Comfort (DC)
Optical cover		Flat glass
Material		Housing: die-cast aluminum Spigots and top entry: aluminum Frame: aluminum Optic: PMMA Other inner components: glass reinforced polypropylene Internal heat sink: high-pressure, die-cast aluminum, non-corrosive
Color Canopy:		Philips ultra-dark grey Frame: silver grey Other RAL and AKZO Futura colors available on request
Lifetime		60.000 hours (86% lumen maintenance at Ta = 25ºC)

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SpeedStar LEDGINE





- LEDGINE inside
- 2 sizes for different mounting hights
- Easy installation, and tool-less maintenance
- Multi-layer optic - Smooth & uniform distribution
- Easily upgradeable
- Flexibility in light color (warm / neutral / cold white light)
- Dimmable with various contols options

Type:	BGP322 (medium), BGP323 (large)
Light source:	LEDGINE
Number of LEDs	BGP322: 16-80 LEDs, BGP323: 88-160 LEDs
Light Colour:	Warm white (3000 K), Neutral white 4000 K)
Optic	Medium (DM), Wide (DW), Extra wide (DX), Comfort (DC)
Optical cover:	Flat glass
Classifications:	Class I (II), IP66, IK08
Earth Leakage Current:	0.7 mA (max)
Material:	Housing: high-pressure die cast aluminium, coated. Gasket: silicone rubber, heat resistant. Optics: PMMA
Mounting:	Post top: 60mm & 76 mm, tilt 00 & 50

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MiniMilewide



Designed in collaboration with Knud Holscher (Denmark) with dedicated masts and brackets to ensure perfect integration in today's cityscape.

Its design and performance makes it suitable for a wide range of applications. From major traffic roads to city centres.



Type:	BRS419
Light source:	Luxeon Rebel
Light Colour:	Warm White (3100 K)
Optic:	Narrow Street Optic (NSO) Medium Street Optic (MSO)
Total system consuption:	31 W (26 W with CLO)
Driver / Driver current:	Electronic / 350 mA
Lifetime:	50.000 h (70% lumen depreciation)
Classifications:	Class II, IP65

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Milewide LEDGINE



- LEDGINE inside
- 2 sizes for different mounting hights
- Easy installation, and tool-less maintenance
- Multi-layer optic - Smooth & uniform distribution
- Easily upgradeable
- Flexibility in light color (warm / neutral / cold white light)
- Dimmable with various contols options



Type:	Milewide (421), MegaMilewide (427)
Light source:	LEDGINE
Number of LEDs	421: 16-80 LEDs, 427: 88-112 LEDs
Light Colour:	Warm white (3000 K), Neutral white 4000 K)
Optic	Medium (DM), Wide (DW), Extra wide (DX), Comfort (DC)
Optical cover:	Flat glass
Classifications:	Class I (II), IP65

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Copenhagen LED



A timeless luminaire, with the latest LED technology, perfect for paths, residential areas or narrow streets.

Available in one size with asymmetrical light distribution.



Type:	CGS443
Light source:	Luxeon Rebel
Light Colour:	Warm White (3100 K)
Optic:	Narrow Street Optic (NSO) Medium Street Optic (MSO)
Total system consuption:	31 W (26 W with CLO)
Driver / Driver current:	Electronic / 350 mA
Lifetime:	50.000 h (70% lumen depreciation)
Classifications:	Class II, IP44, IK07
Material:	Reinforced polyester, aluminium, polycarbonate
Mounting:	Side entry 48 mm
Controls:	Lumistep LS-6, LS-8 and LS-10
Remarks:	Delivered with 10m cable

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MiniIridiumLED



Type:	BGS451
Light source:	Luxeon Rebel
Light Colour:	Warm White (3100 K)
Optic:	Narrow Street Optic (NSO) Medium Street Optic (MSO)
Total system consuption:	31 W (26 W with CLO)
Driver / Driver current:	Electronic / 350 mA
Lifetime:	50.000 h (70% lumen depreciation)
Classifications:	Class II, IP66, IK07
Material:	Housing: High pressure cast aluminium
Mounting:	Sideentry or posttop



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ParkLED



The simple yet elegant Nordic design, makes this luminaire
a decorative element in the city center, and it is ideal for applications like parks and paths.

ParkLED has been especially developed for use with LEDs.

Designed by Danish architect Mads Odgård.



Type:	BPS966
Light source:	18 stk. Luxeon Rebel led
Light Colour:	Neutral white (4500 K)
Colour rendering:	Ra 75
Light distribution:	Symmetrical
Total system consuption:	22 W
Driver / Driver current:	350 mA
Lifetime:	50.000 hours
Classifications:	IP65, Class II, IK10
Material:	Powder coated aluminium and PC
Mounting:	Post top Ø60 or Ø90

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CitySpirit LED

Clean lines
This range has been designed with the aim of creating unobtrusive luminaires. Transparent materials have been used to lighten the daytime appearance. The inner components, pole mounts and covers are made of aluminium to ensure they are sufficiently robust.
Main applications: Urban, residential streets , pedestrian areas and promenades.



Cone | Classic Lantern | Modern Lantern | Torch | Wall | Bollard

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CitySpirit LED



Product description:	BDS450, BDS460, BDS462, BDS464, BDS470
Light source:	22 x SMD LED-HP
Light Colour:	Warm white (3000 K), Neutral white (4000 K)
Optic:	Top reflector, indirect (T-IO), Top reflector, indirect asymmetrical (TA-IO), Top reflector, indirect bi-directional (TB-IO LED), Top reflector, indirect symmetrical (TS-IO)
Total system consuption:	30 W
Driver / Driver current:	220-240 V / 50-60 H z
Lifetime:	50.000 hours, 70% lumen maintenance
Classifications:	Class II, IP65, Ik09
Material:	Housing: High pressure cast aluminium and polycarbonat
Mounting:	Post-top mounting: axial entry ø60 (60P) or ø76 mm (76P)

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CitySpirit LED - Optics



Indirect standard

The indirect system is based primarily on an aluminium parabolic reflector that controls light and hides the lamp from direct view. By using a basic white disc in the top cover of the luminaire a new lighting ambience is created, like the effect of a candle.
Total Light Output Ratio > 50 %
Upward Light Ratio < 10 %





Indirect symmetric

Rotationally symmetric distribution can be obtained and spacing can be much improved with a high-performance 3D curved aluminium top reflector.
Total Light Output Ratio > 55 %
Upward Light Ratio < 5 %





Indirect bi-directional

Complex aluminium shapes used as the top reflector can create unique light distribution. The bi-directional top reflector projects the light on both sides, thus optimising spacing.
Total Light Output Ratio > 50 %
Upward Light Ratio < 5 %





Indirect asymmetric

The asymmetric aluminium top reflector projects the light to the front, delivering ideal performance for wider streets.
Total Light Output Ratio > 55 %
Upward Light Ratio < 10 %



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UrbanScene Post Top LED





UrbanScene offers a range of complete lighting solutions for illumination applications and street lighting.
Its modern design and energy-saving features (high-efficiency lamps, electronic gear) enable an innovative and sustainable approach to urban lighting.

UrbanScene has an elegant day-time appearance while offering night-time application diversity through decorative as well as functional area and illumination lighting.

Type:	BDP704
Light source:	40xLED
Light Colour:	Warm White and Neutral white
Power Consuption:	95 W
Unrush current:	700 mA
Material:	Housing: high-pressure, die-cast aluminium Optical cover: polycarbonate
Installation:	Post-top mounting: axial entry ø 60/76 mm
Remarks:	Ready-to-install versions available; with lamp and and choice of 4,5 or 6 m cable
Classifications:	Class I & II, IP66, IK08,

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CitySwan Street



The CitySwan urban lighting luminaire features a white opal lampshade that makes the luminaire a perceptible object in public space. During nighttime CitySwan illuminates street and space with a soft and functional light.

Design by Bjarne Schläger, light + architecture and Morten Weeke Borup, GHB Landskabsarkitekter A/S.



Type:	CRS439 (mast), CWS439 (wall)
Light source:	CDO-TT, CPO-TW, PL-T & SON-TP
Ballast:	Electronic or conventional
Driver current:	230V/50Hz
Classification:	IP44, Class II, IK08
Material:	PMMA, aluminium
Installation:	Side entry mounting on dedicated brackets - 3/4" pipe Angled wall-mounting on dedicated bracket- 3/4" pipe

reddot design award
product design

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CitySwan Wall



The CitySwan family also consists of a wall luminaire…



Light source:	4xLuxeon Rebel
Light Colour:	Neutral White (4100 K)
Colour Rendering:	Ra 75
Total power consumption:	7 W
Lifetime:	50.000 h (70% lumen depreciation, Ta 25C°)
Optik:	2 psc Carclo 20mm 35dgr, 2 pcs 19 dgr. Version with convex transparent cover. Flat opal cover version without optics.
Driver:	Xitanium 8W/0,7A-12V
Colour:	Noir Sablé 200 (from Akzo Nobel)
Classifications:	Class II, IP65, IK10
Material:	Housing: Aluminium Optical cover: Polycarbonate Wallbracket: Aluminium

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CitySwan Bollard





… and a bollard.

Type:	BGP444
Light source:	4xLuxeon Rebel
Light Colour:	Neutral White 4100 K
Colour Rendering:	Ra 75
Total power consumption:	7 W
Lifetime:	50.000 h (70% lumen depreciation, Ta 25C°)
Optik:	2 psc Carclo 20mm 35dgr, 2 pcs 19dgr. Version with convex transparent cover. Flat opal cover version without optics.
Driver:	Xitanium 8W/0,7A-12V
Colour:	Noir Sablé 200 (from Akzo Nobel)
Classifications:	Class II, IP65, IK10
Material:	Housing: Aluminium Optical cover: Polycarbonate

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Petrol stations – Mini 300 LED

motion-sensing lighting for maximum energy saving

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Mini 300 LED

light when and where it is needed

Philips **Mini 300 LED** the world's most powerful and energy efficient new state-of-the-art LED based under canopy lighting system



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The Philips Lighting difference

UnderCanopy Lighting: light when it is needed…



Source	System Wattage	Energy Saving
MH 400w	460w	0%

Source	System Wattage	Energy Saving
LED full power	145w	68%

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Mini 300 LED

key benefits

1. **Comfort and safety** at the petrol stations
   - ✓ *Light levels vertical >150lx at pump level and horizontal >200lx*
2. **Breakthrough savings** in energy & maintenance
   - ✓ *Up to 85% energy saving, system efficiency >85lm/W*
   - ✓ *Return on investment always <4yrs*
3. **Ease of installation** and **maintenance**
   - ✓ *1:1 retrofit with existing installations*
4. **Green luminaire** and sustainability
   - ✓ *841 kg/yr savings on CO_2 = consumption of 42 trees*



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Mini 300 LED

complete family for under canopy lighting



Mini 300 LED BBP300
recessed version

High Power versions:
Symmetrical 145W (112 x LED)
Asymmetrical 145W (112 x LED)
Asymmetrical 109W (84 x LED)

Low Power versions:
Symmetrical 125W (96 x LED)
Asymmetrical 94W (72 x LED)

(will be available in May 2010)



Mini 300 LED BCP300
surface mounted version

High Power versions:
Symmetrical 145W (112 x LED)
Asymmetrical 145W (112 x LED)
Asymmetrical 109W (84 x LED)

Low Power versions:
Symmetrical 125W (96 x LED)
Asymmetrical 94W (72 x LED)



Mini 300 LED BPP300
pole/wall mounted version
(will be available in April 2010)

High Power versions:
Asymmetrical 145W (112 x LED)
Asymmetrical 109W (84 x LED)

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Sikkerhedsbelysning

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SecuriPack







A wall or ceiling mounted vandal resistant luminaire suitable for both outdoor and indoor applications.
Main application areas: Residential areas, Industrial areas, Parking areas and Security lighting (house front, entrance, etc.).

Type:	BCS200
Light source:	6 stk. Luxeon Rebel
Light Colour:	Warm white (3000 K)
Optic:	Closed opal diffuser
Total system consuption:	10 W
Driver / Driver current:	220-240 V / 50-60 Hz, integrated
Lifetime:	50.000 h (70% lumen depreciation)
Classifications:	Class I, IP65, IK10
Material:	Polycarbonate bowl cover, High pressure die-cast aluminum housing
Mounting:	Surface mounted, ceiling and wall
Control:	Non dimmable

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Tunnelbelysning

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TunLED



TunLed is a LED luminaire range for tunnel lighting that provides excellent performance and maintenance-free solution. Available in 6 different sizes for covering underpasses and tunnels.



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TunLED modularity



12LEDs/1200lm



24LEDs/2400lm



36LEDs/3600lm



48LEDs/4800lm



60LEDs/6000lm

Also
72LEDs/7200lm

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Facts & Figures

Light Source	Luxeon Rebel LXML-PWC1-0100
LED Light Output (Lumen)	100 lm
Light Colour	Cool-White 5600K
Optic	Patented refractive lens
Product Type	Up to 6 optical modules per luminaire 12 x LED's per optical module
Power Supply	Included. Driver's output adjustable to 350mA, 500mA or 750mA on request.
System	LED's driven at 350mA
Power Consumption	13W per module of 12 x LED's (typical value)
LOR	0.8
Driver	110-240V / 50-60Hz
Controls	Static or dynamic: 1-10V (StarSense ready).
Lifetime	60.000hr
Lumen Maintenance	78% @ 60.000hr
Adjustment	Possible via the brackets
Temperatures	Tamb=25°C - Tjunction<80°C
Classification	Class I or II - IP66 - IK08
Material & Finishing	Aluminium body + glass front cover
Total weight	12 kg (5 modules)
Accessories	Harting or Wieland connectors, custom made brackets, etc.

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PRODUKTOVERSIGT

Vejbelysningen

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ParkView



Modern Park luminaire, symmetrical ligjht distribution
The lamellas are hiding the lamp, making sure the light are directed to the ground, and is minimizing waste light and glare.

Asymmtrical light distribution is also possible, without changing the look of the luminaire.

Design by Bjarne Frost.



Type:	HPS965
Light sources:	CDO-ET, PL-T & SON-I
Classifications:	IP65, IK10, Class II
Mounting:	Post top Ø60 or Ø114 mm

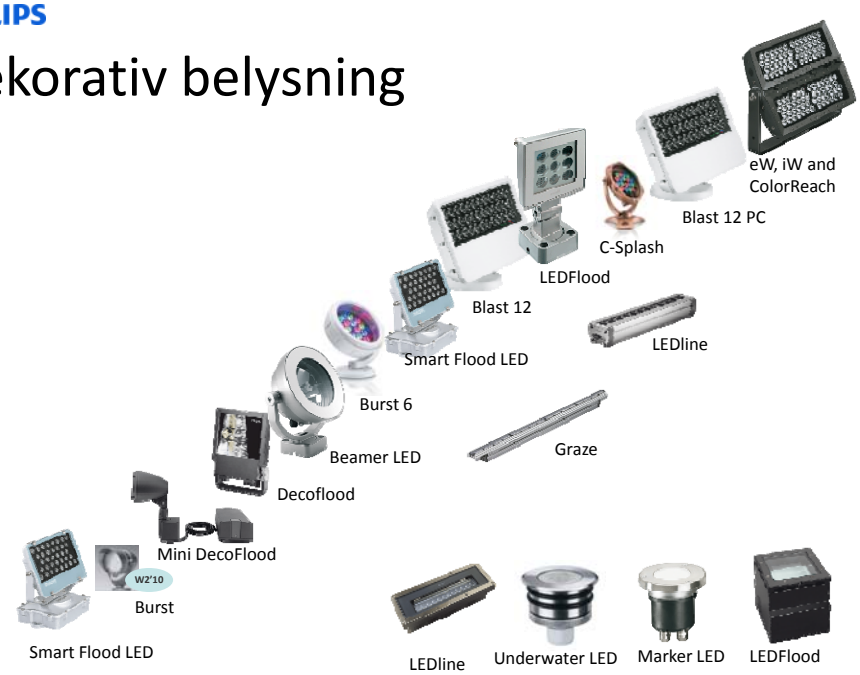
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PRODUKTOVERSIGT

Dekorativ LED belysning

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Dekorativ belysning



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Decoflood²

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Decoflood²

- Clear link with the UrbanScene family
- Easy adjustment of the beam on site
- Electronic ballast
- Better visual integration of accessories (mounted in/on the product)





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From DecoFlood to DecoFlood²…


DWP603 & DWP604


MVF605


Decoflood² DCP623 & 624


MVF606


Decoflood² DVP626


MVF607


Decoflood² DVP627




MVF619 : we maintain the product in our portfolio


MVF616


Decoflood² DVP636


MVF617


Decoflood² DVP637



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