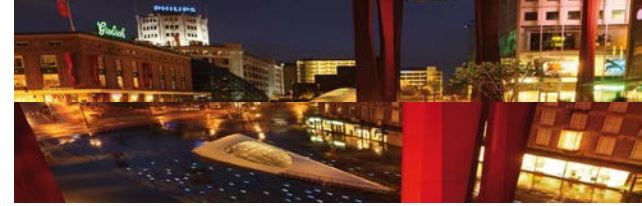


PHILIPS

LunaVision



Segment Outdoor Lighting - Belux



What is your city's ambition?

Energy savings



Safety



CO₂



Control overview



Light output



Green Image



Maintenance



City beautification



City of Mechelen chose for LunaVision



Mechelen is the first city in Belgium that switches completely to **LEDs...**



The LunaVision

A perfect proposition for City marketing



Unique
design /
Wall
mounted

Optimal
LED
platform

Extended
warranty

Unique Design

Optimal wall mountable luminaire

- Modern and iconic design (L-Shaped)
- Wall mounted luminaire
- Perfect integration in both classical as well as modern environments



Optimal LED platform

LEDGINE: Features



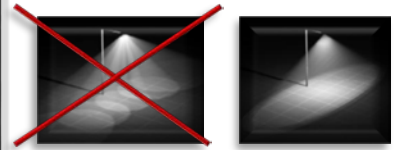
Energy saving



Easy maintenance



Upgradeability



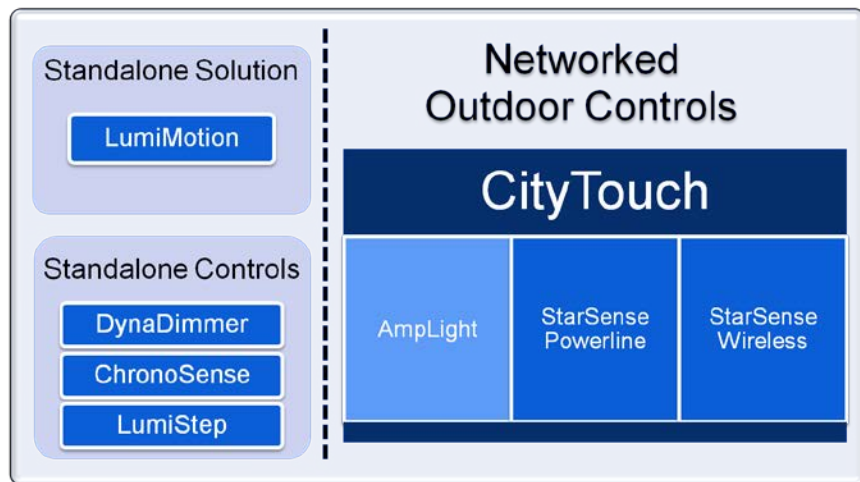
Light Quality



Optimal LED platform

LEDGINE: Energy saving

- Basic energy / maintenance savings
 - Example of Mechelen : 37% savings
- Advanced energy savings
 - SDU, CLO, ALO, 1-10V, LumiStep, DynaDimmer, networked controls

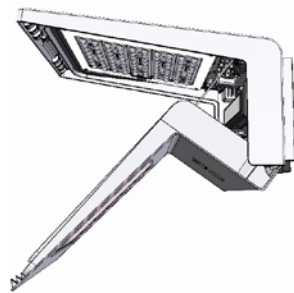




Optimal LED platform

LEDGINE: Ease of Maintenance

- Toolless opening of luminaire
- Direct access to LED module and driver
- During maintenance, all internal components are protected from rain



Optimal LED platform

LEDGINE: Light quality



LEDGINE

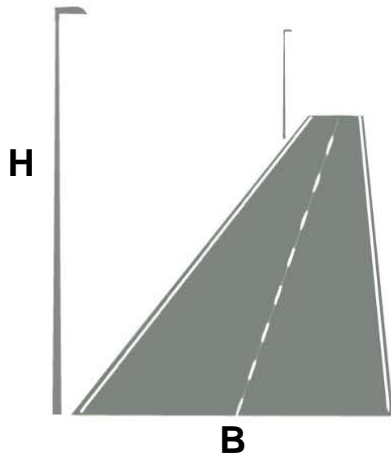


OPTIBIN[®]
PHILIPS TECHNOLOGY

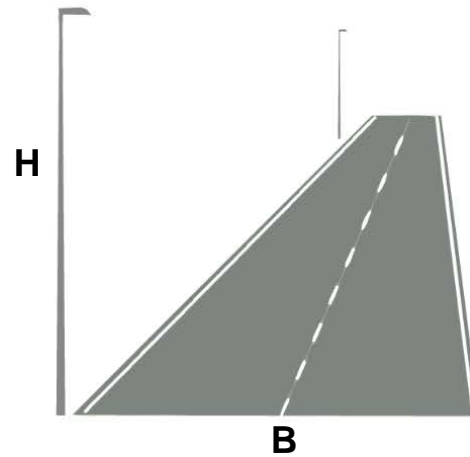


- 7 different lumen packages : 3500, 4600, 5800, 7000, 8100, 9300, 10400 Lumen
- 3 different optics : DN (), DM (), DW ()

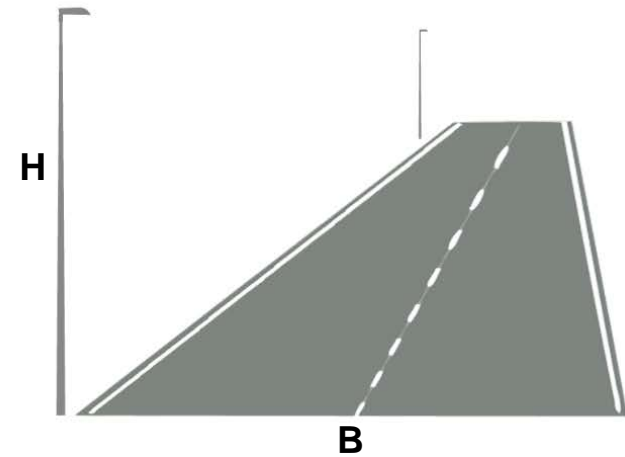
Guideline :



$H > B$: DN ()



$H \approx B$: DM ()



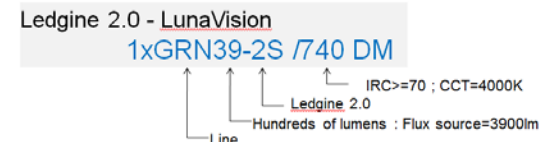
$H < B$: DW ()

Optimal LED platform

LEDGINE: Light quality

Standaardoplossingen		Lunavision							
		tilt = 10°							
R3	0,08								
	t = afstand tussen het lichtpunt en de rijweg								
	d = mastafstand								
ME3b		Lgem >= 1 cd/m ²							
Rijweg	Hoogt	t	d	Lgem	U0	UI	TI	lamptype	optiek
6m	6m	0,5	25	1,07	0,57	0,91	14,7	T35 1xECO70-2S/830	DM
		1	25	1,00	0,53	0,84	14,3	T35 1xECO81-2S/830	DW
		2	24	1,02	0,54	0,8	14,8	T35 1xECO93-2S/830	DW
6m	8m	0,5	38	1	0,56	0,66	13	T35 1xECO104-2S/830	DN
		1	36	1,02	0,55	0,71	13,9	T35 1xECO104-2S/830	DN
		2	32	1,03	0,53	0,78	14,7	T35 1xECO104-2S/830	DN
7m	8m	0,5	35	1,02	0,53	0,75	13,3	T35 1xECO104-2S/830	DN
		1	34	1,02	0,51	0,77	14,5	T35 1xECO104-2S/830	DN
		2	30	1,02	0,47	0,87	14,5	T35 1xECO104-2S/830	DN

Naming :



Optimal LED platform

LEDGINE: Light quality

Standaardoplossingen		Lunavision tilt = 10°							
R3		0,08 t = afstand tussen het lichtpunt en de rijweg d = mastafstand							
ME4b		Lgem >= 0.75 cd/m²							
Rijweg	Hoogt	t	d	Lgem	U0	UI	TI	LEDGINE module	optiek
4m	5m	0,5	20	0,87	0,65	0,89	14,5	T35 1xECO35-2S/830	DM
		1	20	0,92	0,61	0,85	14,8	T35 1xECO46-2S/830	DW
		2	19	0,79	0,64	0,87	14,8	T35 1xECO46-2S/830	DW
5m	5m	0,5	20	0,93	0,55	0,84	14,9	T35 1xECO46-2S/830	DW
		1	19	0,89	0,56	0,82	14,7	T35 1xECO46-2S/830	DW
		2	18	0,78	0,59	0,84	14,5	T35 1xECO46-2S/830	DW
5m	6m	0,5	28	0,85	0,63	0,73	14,8	T35 1xECO58-2S/830	DM
		1	28	0,82	0,58	0,73	14,7	T35 1xECO70-2S/830	DW
		2	26	0,75	0,59	0,84	14,7	T35 1xECO70-2S/830	DW
6m	6m	0,5	28	0,83	0,53	0,72	14,7	T35 1xECO70-2S/830	DW
		1	27	0,80	0,54	0,8	14,8	T35 1xECO70-2S/830	DW
		2	24	0,77	0,54	0,8	14	T35 1xECO70-2S/830	DW
6m	8m	0,5	43	0,79	0,51	0,5	14,1	T35 1xECO93-2S/830	DN
		1	41	0,76	0,61	0,59	13,7	T35 1xECO104-2S/830	DM
		2	37	0,75	0,63	0,84	13,8	T35 1xECO104-2S/830	DM
7m	8m	0,5	42	0,77	0,5	0,53	15	T35 1xECO93-2S/830	DN
		1	39	0,76	0,59	0,68	13,7	T35 1xECO104-2S/830	DM
		2	35	0,76	0,57	0,86	13,6	T35 1xECO104-2S/830	DM

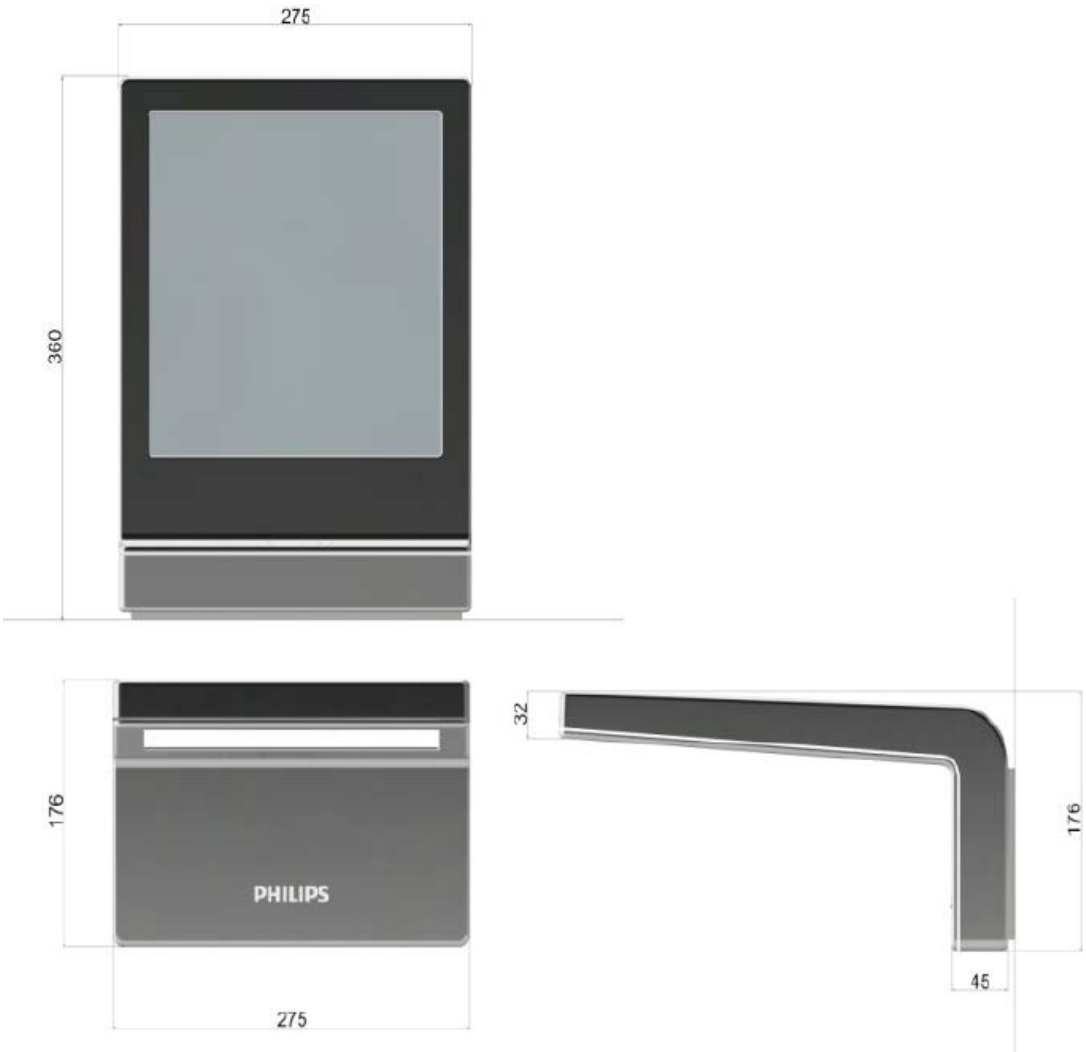
Extended warranty

Standard and Custom made warranty proposal

Outdoor	5 year warranty <8000lm ≥8000lm	15€ per LED luminaire 25€ per LED luminaire
Outdoor	10 year warranty <8000lm ≥8000lm	35€ per LED luminaire 55€ per LED luminaire
Outdoor	> 10 year warranty	Custom made Proposal

- Valid for all LED luminaires with lifetime ≥ 25khrs
- Coverage
 - Replacement part for every defect LED module and LED driver
 - Mechanical failures **ex**cluded
 - Installation **ex**cluded
- Application conditions
 - Max. 4000hr/year
 - Max. 1x switching per day
 - Average ambient operating temperature 15°C
 - Max. relative humidity 80% (unless IP66 is used)
- No threshold for claiming defectives

Dimensional drawings



Specifications

Light Source	WW, NW, CW
Optics	All Ledgine optics
Light engine	24 up to 80 x LED's per luminaire
Driver	220-240V / 50-60Hz
Surge Protection	4KV (10KV in preparation)
Light output options	SDU, CLO, 1-10V, DALI, Lumistep, Dynadimmer
Lifetime	60.000hr
Classification	Class I & II - IP66 - IK08
Material & Finishing	Aluminium & Tempered Glass
Standard Colour	RAL 7013 (Mechelen City) Silver Grey RAL 9006, Textured MT 11020
Logo Standard Colour	RAL 7013 (Mechelen City) RAL 9006, Gloss GN45
Total weight	11 Kg
Installation	Wall Mounted Optional through-wiring Optional adaptor for 60mm diameter masts.

