

THORN

Urba

For sophistication and comfort in urban life



Discover Urba

Versatile. Comfortable. Elegant

- Minimalist styling
- Distinctive slim linear lines
- Elegantly rounded corners

Exclusively designed for Thorn by
Wilmotte & Industries

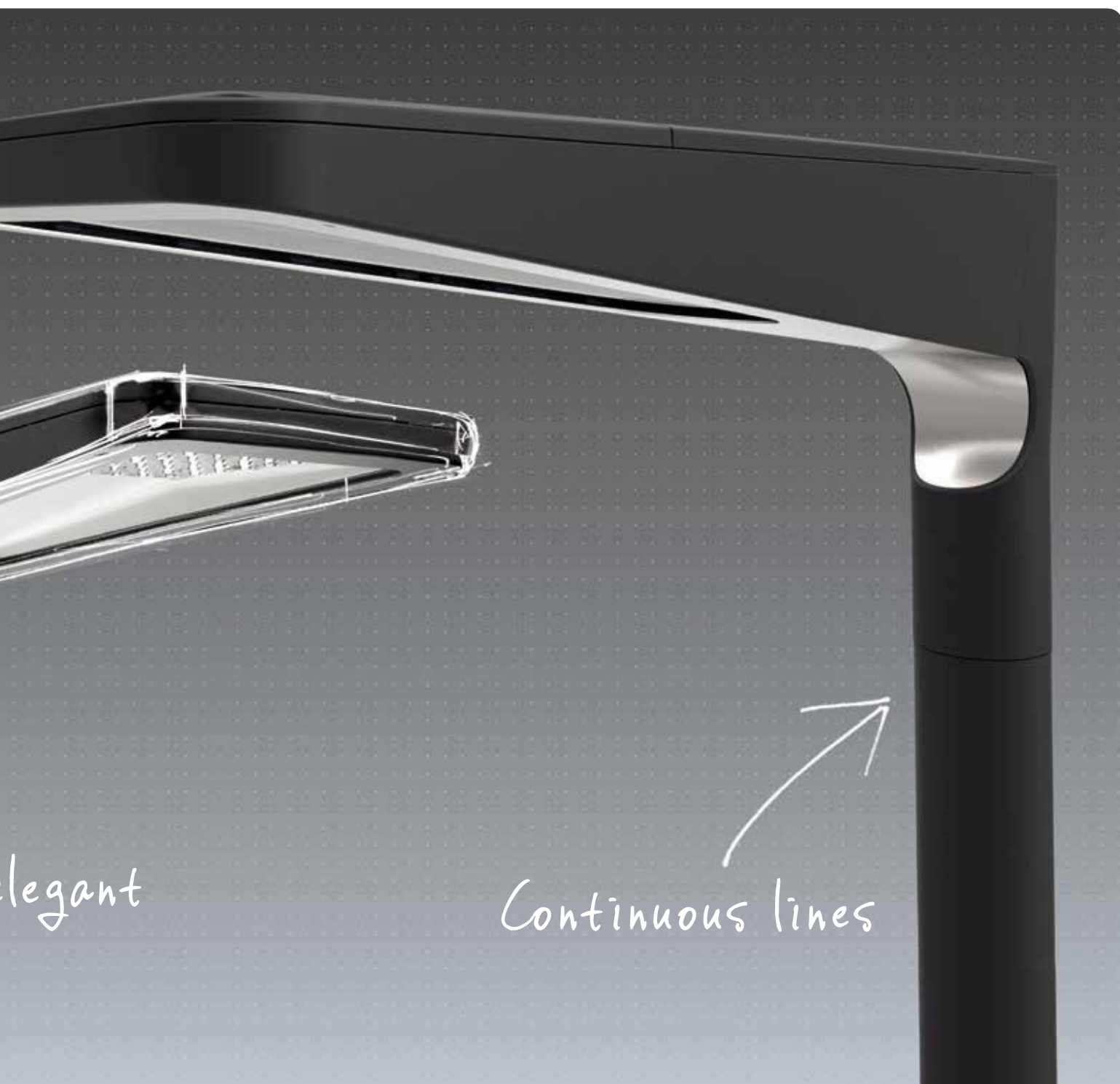
Minimalist styling

Simple and elegant



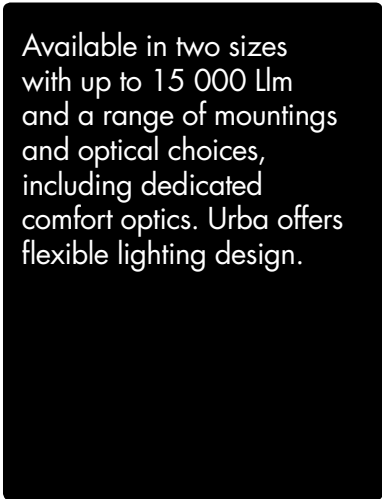
Sophisticated high performance urban lantern for new and renovation projects

With distinctive slim linear lines which flow continuously between the lantern and column, Urba is simple, elegant and ideal for new and renovation projects. Minimalist styling combined with contrasting colour tones make Urba sympathetic with both modern and traditional environments. Urba conveys quality and innovation. Sophisticated by day and revealing by night, it creates a unique signature.



Elegant

Continuous lines





Dichroic glass

The dichroic glass feature is the main design element of the Urba black version.

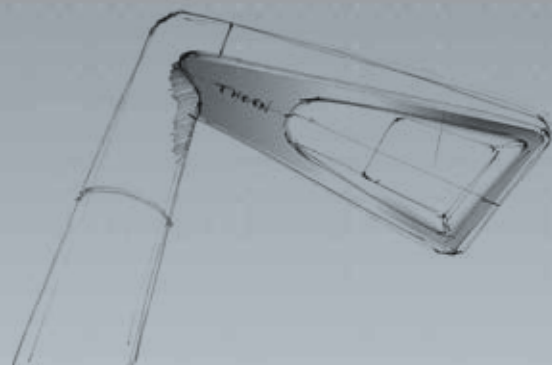
Due to its refraction characteristics, the glass is very precise and creates a subtle as well as sophisticated effect.

The LED light source remains visible with a subtle and smooth appearance

A contrast between material and colour is created. The interior of the product is harmonised with the aluminium frame and a deliberate contrast with the black and slightly grained exterior of the product is accentuated.

Urba brings comfort and light ambience in the urban life by being compliant with class G6 and through the quality and shape of the light emitting surface.

$$\text{Luminance} = \frac{\text{Intensity}}{\text{Apparent surface}}$$



Discover Urba

Versatile. Comfortable. Elegant

Urba offers a unique signature: sophisticated by day, revealing by night

Exclusive design by Wilmotte & Industries

Urba is designed for the urban space by world renowned architects, city planners, and designers, Wilmotte & Industries. The luminaire combines Thorn's vision for an understated, minimalist product with Wilmotte & Industries vision for urban lighting. The result is a sophisticated design with no excessive styling.

Urba's distinctive slim linear lines flow continuously from the lantern to the column, softened with elegantly rounded corners. Integrative with modern and traditional environments, Urba's tone and texture is black or dark grey with slight graining on the outside, light and smooth on the inside.



Complete, versatile and harmonised urban lighting

Suitable for new and renovation, street and road projects, Urba offers 3 mounting options (post top, wall and lateral bracket) with a wide choice of coordinated short and long brackets and columns for a complete and fully harmonized urban lighting solution.

Urba fulfills EN13201 lighting classes from S5 to Me2. Integrated control options include bi-power dimming and presence detection.

9 high performance optics for comfort and efficiency

Urba is available in two sizes and with lumen packages from 2 200 to 15 000 luminaire lumens (Lm) using an R-PEC optic and offering 9 different choices of light distribution. Urba provides comfortable, efficient light to reveal the urban landscape. As well as placing light precisely where it's needed with no waste, 2 dedicated optics are optimized for very low disability glare, compliant with G6 class. Comfort is also reinforced by a large and homogeneous light emitting surface. The result is a luminaire which is genuinely sophisticated by day and revealing yet comfortable by night.



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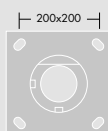
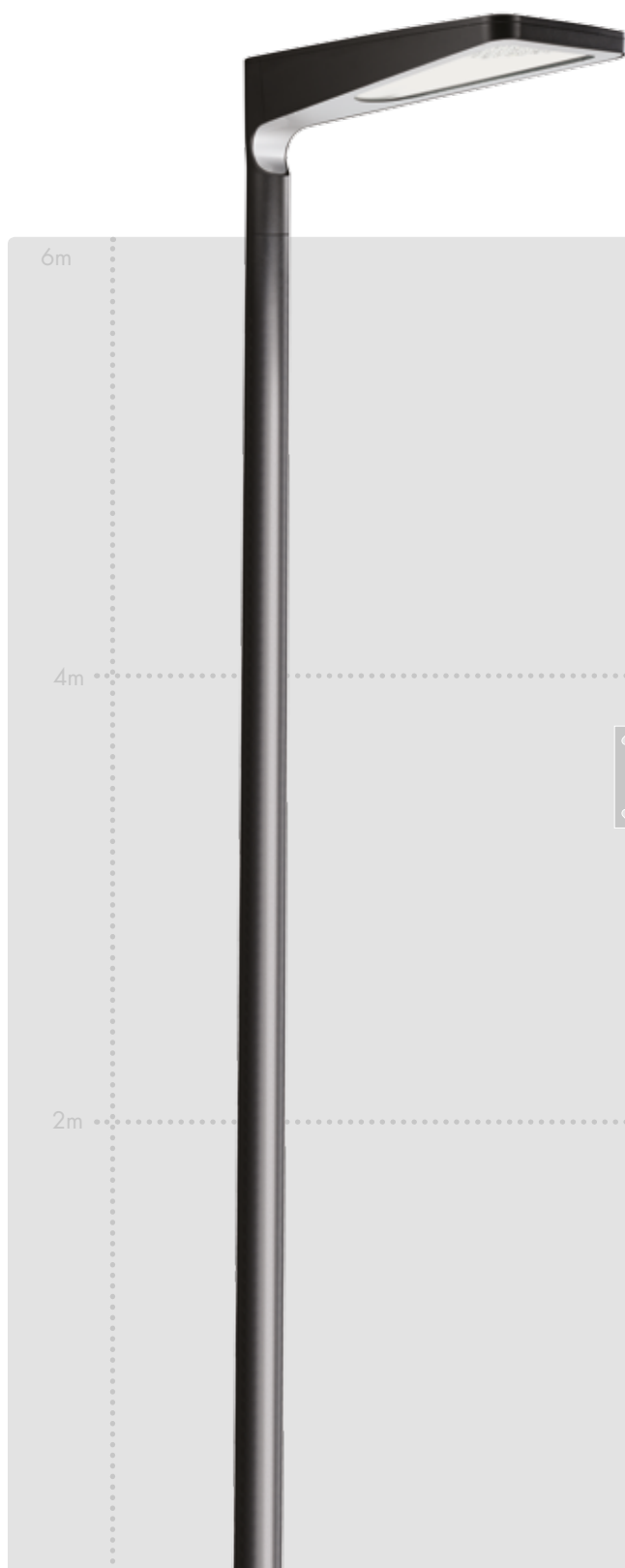
Versatile. Comfortable. Elegant

A complete collection of brackets and columns for a fully harmonised urban lighting solution

- Large choice of decorative column packages to match various applications with consistent design
- High quality material of brackets and columns provide strength, durability and recyclability
- Compliant with EN40 for installation safety
- Exclusively designed for Thorn

Aluminium range

- Unique aesthetics with continuous lines from the lantern to the column



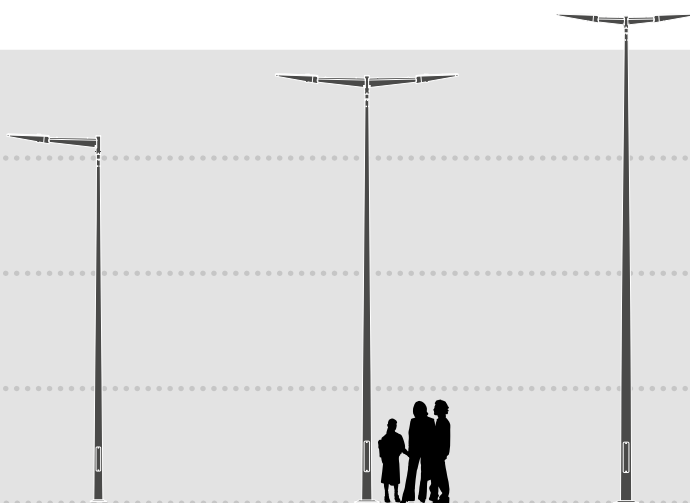
Dedicated aluminium range, no discontinuity between base of the luminaire and column

	int. Ø60mm	int. Ø76mm
Black		
4m	96270899	96270903
5m	96270901	96270904
6m	96270902	96270905
Dark Grey		
4m	96270906	96270909
5m	96270907	96270910
6m	96270908	96270911



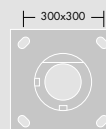
Galvanised steel columns and brackets

- Long and short brackets (single, double, wall) are available



Galvanised steel brackets and columns

Black	1 x bracket 0,8m	2 x bracket 0,8m	2 x bracket 0,45m
5m	96270912	-	-
6m	96270913	96270916	96270919
7m	96270914	96270917	96270920
8m	96270915	96270918	96270921
Dark Grey			
5m	96270922	-	-
6m	96270923	96270926	96270929
7m	96270924	96270927	96270930
8m	96270925	96270928	96270931



	Bracket type	Arm length	Pole top Ø	Net wt	Black	Dark Grey
	Single bracket	1x800mm	76mm	3.0	96270884	96270892
	Double bracket	2x800mm	76mm	6.0	96270888	96270895
	Wall bracket	800mm	-	3.0	96270890	96270896
	Double bracket	2x450mm	76mm	5.0	96270889	96270894
	Wall bracket	450mm	-	2.0	96270891	96270897

Discover Urba

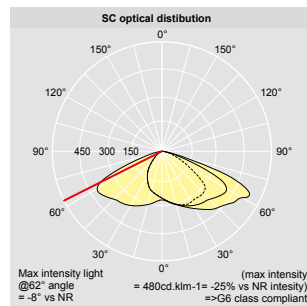
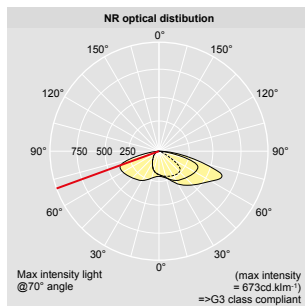
Versatile. Comfortable. Elegant

Optimised for comfort

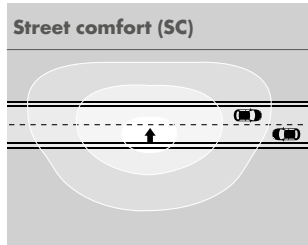
In many urban applications, comfort is a key criteria. Urba's geometry has been designed to reinforce comfort.

Urba is a comfortable luminaire that fulfills reduced glare requirements. With the 2 dedicated optics SC (Street Comfort) and PWC (Pedestrian Walkways & Comfort) Urba is compliant with class G6. An optimal reduction of glare for urban areas (TI, disability glare), as well as pedestrian areas (glare index, discomfort glare) is achieved.

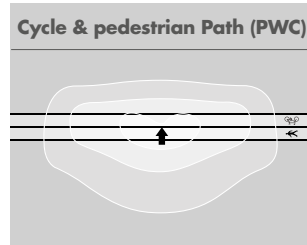
This comfort corresponds to a level of intensity at a defined angle below the horizon:



2 optics dedicated to comfort



Height: 6m
Spacing: 20m
Road width: 7m
SC Optic - Street comfort: dedicated to urban areas with traffic
Glare intensity class: G6

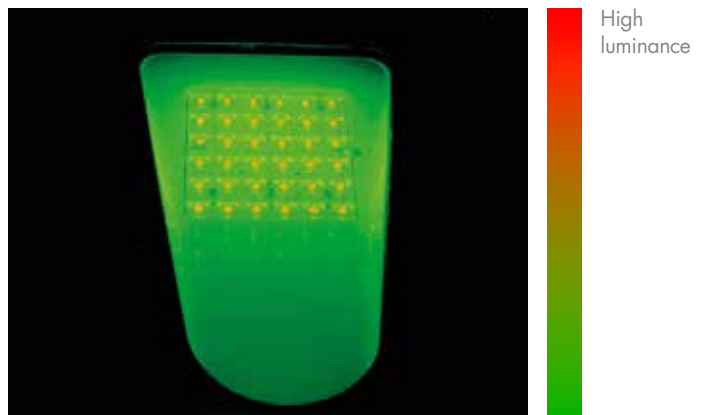


Height: 4m
Spacing: 12m
Road width: 7m
PWC Optic - Pedestrian comfort: dedicated to pedestrian and cycle areas
Glare intensity class: G6

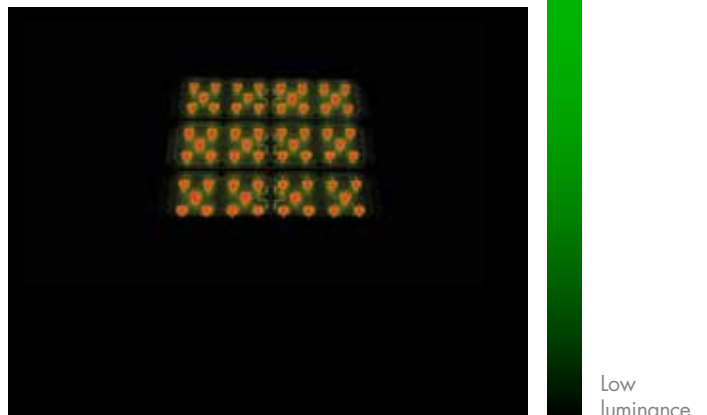
Optimised light emitting surface

When designing Urba, Thorn's optical team focused on the quality and the geometry of the apparent lit surface in order to reduce its luminance contrast. At night the white diffusing deflector reveals the unique light signature of Urba and creates a light ambiance while limiting glare.

Luminance meter



Urba SC + deflector



Luminaire with optic without glare controls

From the start, Urba has been designed as a perfect solution to the following equation:

$$\text{Luminance} = \frac{\text{Intensity}}{\text{Apparent surface}}$$

Prismatic glass

On request, a prismatic glass (EPR) can be selected for pedestrian applications where comfort and ambiance prevail on performance. This prismatic glass allows to limit obtrusive intensities significantly.



Product Features

For sophistication and comfort in urban life

Key Features

- Exclusively designed for Thorn by world renowned architects, city planners and designers Wilmotte & Industries
- Unique signature at day and night thanks to an optical system designed with special care for comfort (G6)
- Outstanding versatility: 9 optics, lumen packages up to 15 000 lumen, 2 sizes, 3 mounting options to fulfill a wide scope of projects (new and renovation) from S5 to Me2
- Latest generation LED technology with integrated controls to minimise energy and maintenance costs
- Harmonised bracket and column packages for a smooth integration into the urban landscape

Applications

- Minor and main roads
- Walking/cycling paths
- Pedestrian crossings
- Car parks
- Roundabouts and junctions
- Business areas with car traffic
- Building surroundings

LED Lamp Information

- From 12 LED to 84 LED
- Lifetime:
 - 100 000 hours @B10L70 @Ta25°C
 - 83 000 hours @B10L80 @Ta25°C
 - up to 100 000 hours @B10L70 @Ta50°C
 - up to 83 000 hours @B10L80 @Ta50°C
- Self protecting feature at Ta > 50°C
- Luminaire efficacy up to 100 lumen/W
- up to 7 000 lumen (Urba Small)
- up to 15 000 lumen (Urba Large)
- Colour Temperature 3000K and 4000K, but also 5700K
- CRI: 70
- ULOR: 0

Standards

Luminaire:



Brackets with coordinated columns:



Materials/Finish

Luminaire:

Body: die cast aluminium – two options: dark grey or black textured finish

Glass: tempered flat glass or dichroic flat glass (5mm).

 Prismatic glass on request

Frame: aluminium - powder polycarbonate, metallised aluminium and varnish

Deflector: ABS anti-UV white (RAL 9016)

Brackets with coordinated columns:

Painted galvanised steel, dark grey or black textured finish.

Two diameter conical columns dedicated to Urba post top lantern:

Painted aluminium, dark grey or black textured finish

Installation/Mounting

Luminaire:

Supplied complete and ready to install, in a single box.

Pre-wired post-top versions with 8m (small version) or 10m (large version) H07RN-F cable. The following options are available: side-entry mounting Ø60mm with adjustable tilt angles : 0, -5°, -10°, post-top mounting Ø60mm and Ø76mm.

Weight: 12kg (small version) and 17kg (large version)

Brackets with coordinated columns:

Dedicated range of columns and brackets.

Recommended heights for Urba small : 4 to 6m, for

Urba large: 6 to 8m. Columns delivered with anchoring bolts.

Aluminium columns (diameters: internal 76mm, external 96mm – internal 60mm and external 81mm) with flange mountings 200x200mm.

Galvanised steel columns with flange mountings:

300x300mm

Specification

To specify Urba luminaire state:

Highly designed urban street lantern with 2 sizes, 7 mounting options, 3 enclosures, 9 light distributions with 2 dedicated optics to comfort (G6). Efficient (up to 100 lumen/W) R-PEC optic. Side entry and post top mountings, 60mm and 76mm diameters, with tilt adjustments. Wide range of intelligent lighting control solutions from stand alone dimming to remote control.

As Thorn Urba

To specify Urba brackets and columns state:

Wide range of coordinated short and long galvanised steel brackets, diameter 76mm top. Cylindrical conical galvanised steel columns up to 8m. Dark grey and black textured finish.

2 diameter aluminium cylindrical conical columns up to 6m.

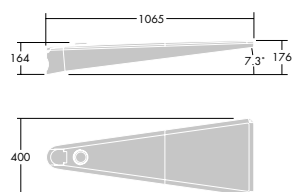
Dark grey and black textured finish.

As Thorn Urba brackets and columns

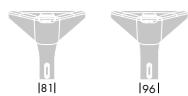
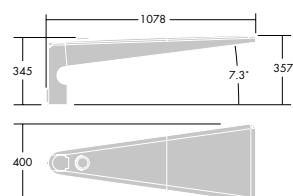


Luminaire dimensions

Urba Large

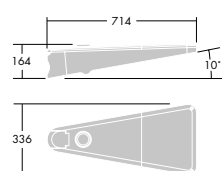


Lateral mounting (MLE)

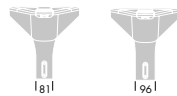
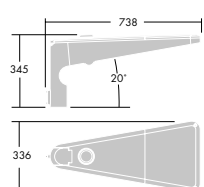


Post top mounting (MTP)

Urba Small

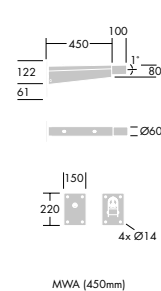
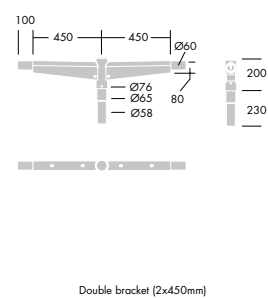
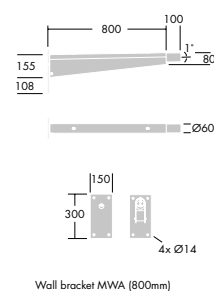
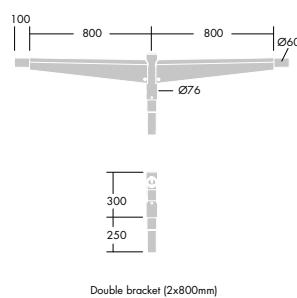
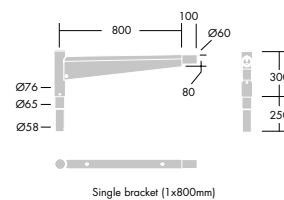


Lateral mounting (MLE)



Post top mounting (MTP)

Bracket dimensions



Ordering Guide

Configuration guide

Example SAP designation

URBA	S	36L	50	NR	GY	CLO	BP	MD	10K	-	CL2	W10M	MTP60	L740
														L730 3000 K / IRC 70 L740 4000 K / IRC 70 L757 5700 K / IRC 70
													MLE Lateral mounting MTP60 Post top mounting Ø60mm MTP76 Post top mounting Ø76mm	
												W8M Pre-wired, 8m length (small version) W10M Pre-wired, 10m length (large version) WxM Pre-wired, xm length - No cable		
											CL1 Class 1 Electrical CL2 Class 2 Electrical			
										- Not required PM Mini photocell (for Class I only)				
									4 kv 4kV protection 10kv 10kV protection (for Class I only)					
							PD Pedestrian detection MD Motorised and pedestrian detection							
							BP Bi-Power (50% for 8hrs) BPx-xx Bi-Power BPL Bi-power, additional wire LRT Bi-power, reversed wire RF Radio frequency control PL Powerline control HFA Analogue (1-10V) dimmable HFX DALI dimmable							
						CLO Constant Light Output (Not required)								
					GY Dark grey - with clear glass BK Black - with dichroic glass									
				RC Road & Comfort optic RWET Road Wet optic NR Narrow Road optic WR Wide Road optic WSC Wide Street & Comfort optic EWSC Extra Wide Street & Comfort optic IVS Pedestrian Crossing optic SC Street & Comfort optic PWC Pedestrian Walkways & Comfort optic										
			35 350mA 50 500mA 70 700mA xxx xxmA drive current											
		12L 12 LEDs (small body) 24L 24 LEDs (small body) 36L 36 LEDs (small body) 48L 48 LEDs (large body) 60L 60 LEDs (large body) 72L 72 LEDs (large body) 84L 84 LEDs (large body)												

How to order your Urba.

One of the main features of Urba is that all of the different options and variants can be specified, in order to make it easier to order your Urba we have produced this configurator which allows you to create the exact product you require from the options and variants listed. Once you have created your unique designation then your sales representative can quickly find out the SAP code, associated price and time schedule for delivery.

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Optics table

SAP description	Typical application and type of road	Lighting classes	Glare class
SC	Street Comfort	S and M classes	G6
PWC	Cycle and pedestrian path		G6
RC	Road comfort	Me1, Me2	G4
NR	Narrow road	Me3, Me4, Me5, Me6	G3
WR	Wide road	Me3, Me4, Me5, Me6	G4
RWET	Wet road condition	MeW	G6
WSC	Wide Street Comfort	S class	G3
EWSC	Extra Wide Street Comfort	S class	G3
IVS	Pedestrian crossing		NA



Thorn Lighting Limited

Durhamgate, Spennymoor,
County Durham, DL16 6HL
Tel: +44 (0) 1388 420 042

Sales support

Tel: +44 (0) 844 855 4810
Fax: +44 (0) 844 855 4811

Quotations

Tel: +44 (0) 191 301 3036
uk.quotations@zumtobelgroup.com

TCS (After Sales)

Tel: +44 (0) 191 301 3939
tcs.uk@zumtobelgroup.com

Technical support

Tel: +44 (0) 844 855 4812
Fax: +44 (0) 191 301 3107
technical@zumtobelgroup.com

Spare parts

Tel: +44 (0) 191 301 3131
Fax: +44 (0) 191 301 3038
spares@zumtobelgroup.com

Literature requests

Brochures on specific
products/ranges
literature@zumtobelgroup.com

www.thornlighting.co.uk

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