

THORN

LIGHTING



RAZE

A veil of light



UNIQUE LIGHTING TOOL THAT REVEALS THE CHARACTER OF ARCHITECTURAL SURFACES

PATENTED OPTICS DELIVER MAXIMUM UNIFORMITY

RAZE is the perfect tool for achieving a dramatic grazing effect on facades, and smooth, uniform distribution on horizontal surfaces such as paths and cycleways. Whether vertically or horizontally focused, RAZE's integrated Flat Beam® patented optic technology can reveal the texture and character of surfaces from a single installation point.

MANY WAYS TO INSTALL

The RAZE family is made up of two ranges: Architectural and Bollard. Both offer a choice of sizes and many installation options, while remaining unified by a single consistent design. The Architectural range can be installed almost anywhere to graze all kinds of surfaces. The Bollard range has been created to precisely illuminate horizontal paths from different heights.

PRECISE DISTRIBUTION

The RAZE family incorporates Thorn's innovative Flat Beam® technology, which transforms the way we light facades and building surrounds. A high utilisation factor means light goes to the surface that needs to be lit, and nowhere else. The flat and wide light distribution makes it possible to reduce the number of products installed and still maintain continuous illumination along a path or wall. RAZE lets you achieve the perfect effect, while saving energy and respecting the environment.

APPLICATIONS



FACADE



BUILDING
SURROUNDS



PARKS, PLAZAS &
PROMENADES



PEDESTRIAN AREAS &
CYCLE PATHS

RAZE ARCHITECTURAL



RAZE Archi Large

RAZE Archi Small

RAZE WALL & BOLLARD



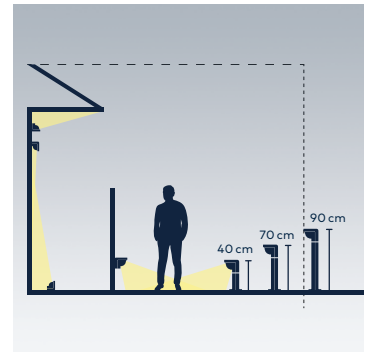
RAZE Bollard
90 cm

RAZE Bollard
70 cm

RAZE Bollard
40 cm

RAZE Wall-
mounted

MOUNTING OPTIONS



HIGH FLEXIBILITY IN LIGHTING DESIGN

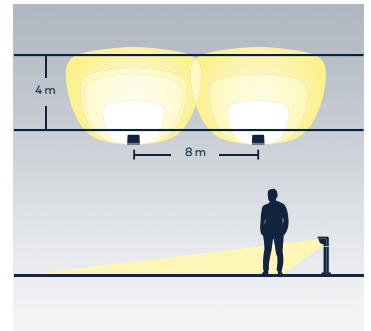


GRAZE CANOPIES, LIGHT PATHWAYS
AND BUILDING SURROUNDS



LIGHT FACADES
AND VERTICAL SURFACES

FLAT BEAM® OPTIC TECHNOLOGY



TECHNICAL DATA



MATERIALS AND FINISH

- High quality die-cast EN44300 aluminium
- Corrosion-resistant materials
- Powder-coated in texturised anthracite grey, light grey and black. Additional colours on request
- Diffuser: fully (RAZE S) or partially (RAZE L and Bollard) frosted UV stabilised PC
- Screws: stainless steel

INSTALLATION AND MOUNTING

- RAZE Architectural:**
- Luminaire can be installed up or downwards
 - Two mounting interfaces: ground or ceiling mounting with stirrup and adjustable tilt angle: $\pm 15^\circ$; wall-mounted flush to the wall for a clean integration on a facade
 - RAZE S pre-wired with remote DALI driver lighting up to three luminaires, fully sealed IP65 gear box available
 - RAZE L with integrated DALI driver, pre-wired

INSTALLATION AND MOUNTING

- RAZE Wall & Bollard:**
- 40, 70 or 90 cm height bollard, flange-mounted
 - Fixing centres: 200 x 200 mm
 - Driver is located in the head, but can be located in the pole for easy maintenance
 - Bollard head can be mounted flush on a wall (RAW)

CONTROLS

- RAZE Architectural**
- DALI dimmable
- RAZE Wall & Bollard**
- DALI dimmable
 - Motion detection with integrated module with barrier function
 - LRT – line switch via pilot line

LIGHT DISTRIBUTION OPTIONS

- Internal lateral louvre (Architectural) for better control of spill light
- Integrated louvre (Wall and Bollard) for more comfort and reduced upward light



6 kV
(10 kV AS VARIANT)



UP TO 1740 lm



UP TO 85 lm/W



FLAT BEAM®



CRI

70, 80



-20°C
+35°C



2700 K
3000 K
4000 K



100 000 h
B10L70 TA 25°C



IK08 (ARCHITECTURAL)
IK10 (WALL & BOLLARD)

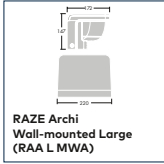


IP66

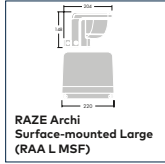
CONFIGURATION GUIDE

RAZE ARCHITECTURAL

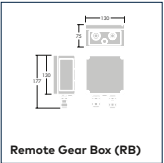
Range	Size	LED/mA	CCT/CRI	Optic	Internal accessory	DALI	Fuse	Safety	Mounting	Colour
RAA	RAZE Archi	1L35 1L50	827 830 840	1 LED - 350 mA 1 LED - 500 mA	CRI 80 - 2700 K CRI 80 - 3000 K CRI 80 - 4000 K	LV Flat Beam® optic	6K	CL2 6kV surge protection	MSF MWA Surface-mounted Wall-mounted	ANT GY BK Anthracite 900 sanded Light grey 150 sanded Black 900 sanded P36
	S L Small Large									



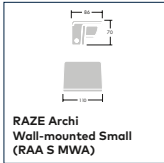
RAZE Archi
Wall-mounted Large
(RAA L MWA)



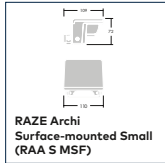
RAZE Archi
Surface-mounted Large
(RAA L MSF)



Remote Gear Box (RB)



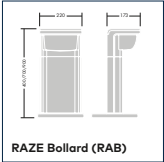
RAZE Archi
Wall-mounted Small
(RAA S MWA)



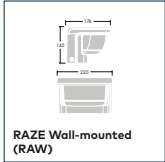
RAZE Archi
Surface-mounted Small
(RAA S MSF)

RAZE WALL & BOLLARD

Range	LED/mA	CCT/CRI	Optic	DALI	Motion detection	Safety	Fuse	Height	Colour
RAB RAW	RAZE Bollard RAZE Wall-mounted	1L20 1L35	730 740 827 830 840	CRI 70 - 3000 K CRI 70 - 4000 K CRI 80 - 2700 K CRI 80 - 3000 K CRI 80 - 4000 K	WP WPC Wide path Flat Beam® optic Wide path comfort Flat Beam® optic	LF HF HF/R HFX HFX/R Fixed output Driver remote DALI DALI remote	6K SP 6 kV surge protection 10 kV multipulse surge protection	400 700 900 400 mm height (bollard) 700 mm height (bollard) 900 mm height (bollard)	ANT GY BK Anthracite 900 sanded Light grey 150 sanded Black 900 sanded P36



RAZE Bollard (RAB)



RAZE Wall-mounted (RAW)



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated.
02/2020 (INT)

**WE
MAKE
LIGHT
WORK**