

THORN
LIGHTING



CONTRAST

Bring out the best in the urban environment

SEE ARCHITECTURE AND THE URBAN ENVIRONMENT

AT ITS VERY BEST

From super-compact spotlights to powerful floodlights, Thorn's Contrast is a single, unified series of architectural luminaires that meet the needs of different applications. A wide variety of beams, colour temperatures and optical accessories makes Contrast highly versatile. A range of mounting options including column mounting increases its flexibility. This enables users to create high-impact designs and displays.



Façades



Building
surrounds



Parks and
plazas



DISTINCTIVE – YET DISCREET

Contrast can be switched, dimmed and adjusted, including in colour, using a variety of interfaces. Wireless functionality makes it easy to control and configure Contrast, and simplifies installation because no new cabling is required.

THE GREAT ALL-ROUNDER

In both form and function, Contrast is a great all-rounder. The series includes three sizes ranging from small (with 4 LEDs) to large (with 36 and 52 LEDs). All are unmistakably Contrast. At the same time, the series' performance makes it ready for the most challenging tasks.

SMALL (4 LEDs)
Ø 70 mm



MEDIUM (12 LEDs)
Ø 210 mm



LARGE (36 LEDs)
Ø 360 mm



SMALL SIZE, BIG PERFORMANCE

The small Contrast features a multichip LED combined with a single lens, for great colour mixing output on nearby surfaces. Even with an integrated power supply, it remains highly compact.

INTEGRATED ACCESSORY DESIGN

Contrast's clean design approach has also been applied to all accessories, to maintain the elegant aesthetic. Louvres, visors, honeycomb and film diffusers all complement the look of the luminaire itself.



Visor



Film diffuser



Honeycomb



Louvre

ARCHITECTURAL URBAN FURNITURE

Contrast's pole-mounting interface is designed to complement its identity. When mounted on a pole, Contrast not only illuminates public areas and landmarks, but becomes a distinctive architectural element of the urban environment in itself.

LARGE (52 LEDs)
Ø 360 mm



ROTATION



ATTENTION TO DETAIL

With its monochrome black front face, the design of Contrast echoes the look of powerful optical instruments.

MAKE YOUR VISION REALITY

Thanks to Thorn's ongoing technical innovation, Contrast delivers exceptional performance, whatever the application. Specially designed optics ensure high intensity for narrow spotlighting or accenting, with well-defined beams providing up to 17 440 lm of punch. When lighting walls or other surfaces, optics are geared towards uniformity, and achieve efficacy of up to 100 lm/W.

Contrast comes with a wide choice of colour temperatures. All versions are available in a range of whites (2200K, 2700K, 3000K and 4000K) as well as RGBW, Blue and Balanced White.



BALANCED WHITE: FLUID LIGHT FOR DYNAMIC SCENES

Projects no longer need to settle for a static colour temperature. With Contrast's Balanced White solution, colour temperature can be tuned from the warmest 2200K all the way to 4000K, to suit the needs of the time and place, and enhance the night-time experience.

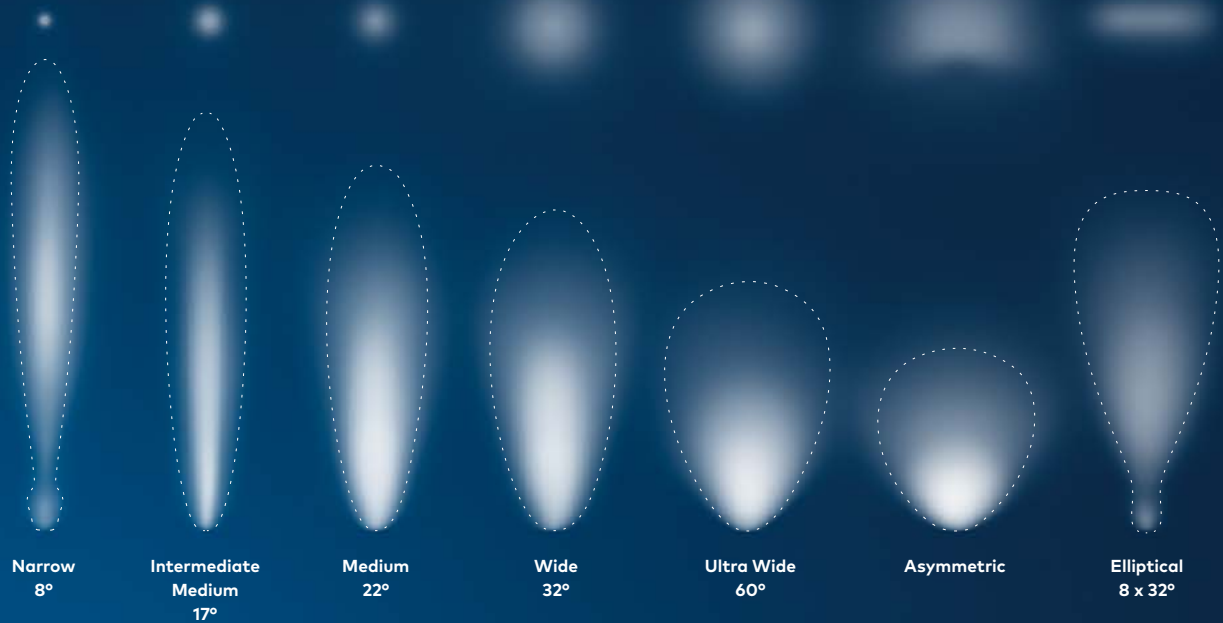


PURE COLOUR

All sizes of Contrast, including small Contrast, can be used for multifunctional applications requiring a mix of white and coloured light. The RGBW multichip LEDs are mixed in a single lens to give a homogeneous, perfectly blended colour output, with no multi-shadow effect on lit surfaces.

LIGHT DISTRIBUTIONS

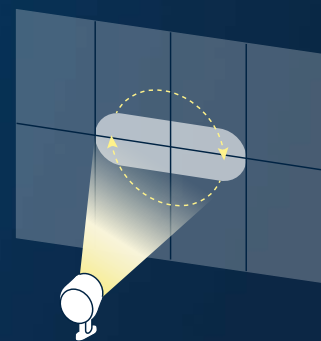
The optical options available with Contrast allow users to create an entire lighting design – including area lighting – using visually consistent products. A choice of light beams is available, including circular beams at angles from 8° to 60°, and elliptical or asymmetrical beams.



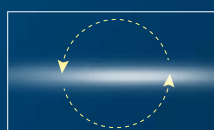
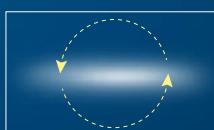
LIGHT DISTRIBUTION WITH FILM DIFFUSERS

A choice of light-shaping film diffusers and accessories is provided for Contrast, to create a range of lighting effects with minimal light loss and low glare. Film diffusers are at their most effective when used with circular light beams, which are the most intense.

NARROW BEAM



WITH FILM DIFFUSER



8° + 10 x 40°
film diffuser

8° + 1 x 60°
film diffuser

8° + 55 x 55°
film diffuser

CONTROL AT YOUR FINGERTIPS

Contrast can be switched, dimmed and adjusted in colour using a variety of interfaces. A wireless functionality makes it easy to control and configure Contrast, and simplifies installation because no new cabling is required.

Contrast's Balanced White solution linked with DALI2 adapts the light to the season or to the night-time environment, to match city lights, meet local needs, and respect the nocturnal ecosystem. The Contrast RGBW luminaires provide unlimited versatility of colour, and dynamic and static light scenes can be programmed and controlled via Bluetooth® or DMX RDM. This makes it easy to transform the appearance of any structure at night with a splash of colour.

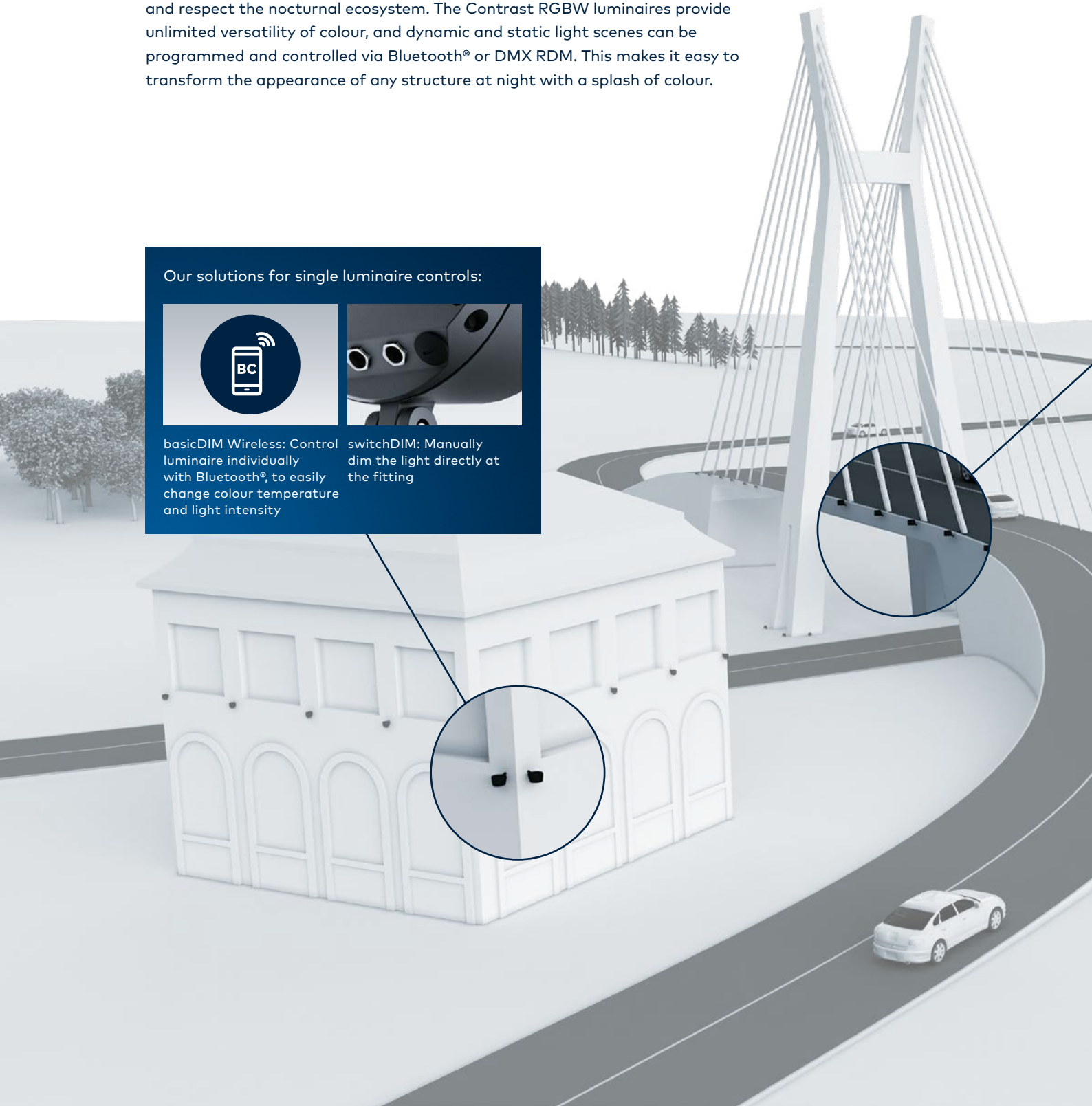
Our solutions for single luminaire controls:



basicDIM Wireless: Control luminaire individually with Bluetooth®, to easily change colour temperature and light intensity



switchDIM: Manually dim the light directly at the fitting



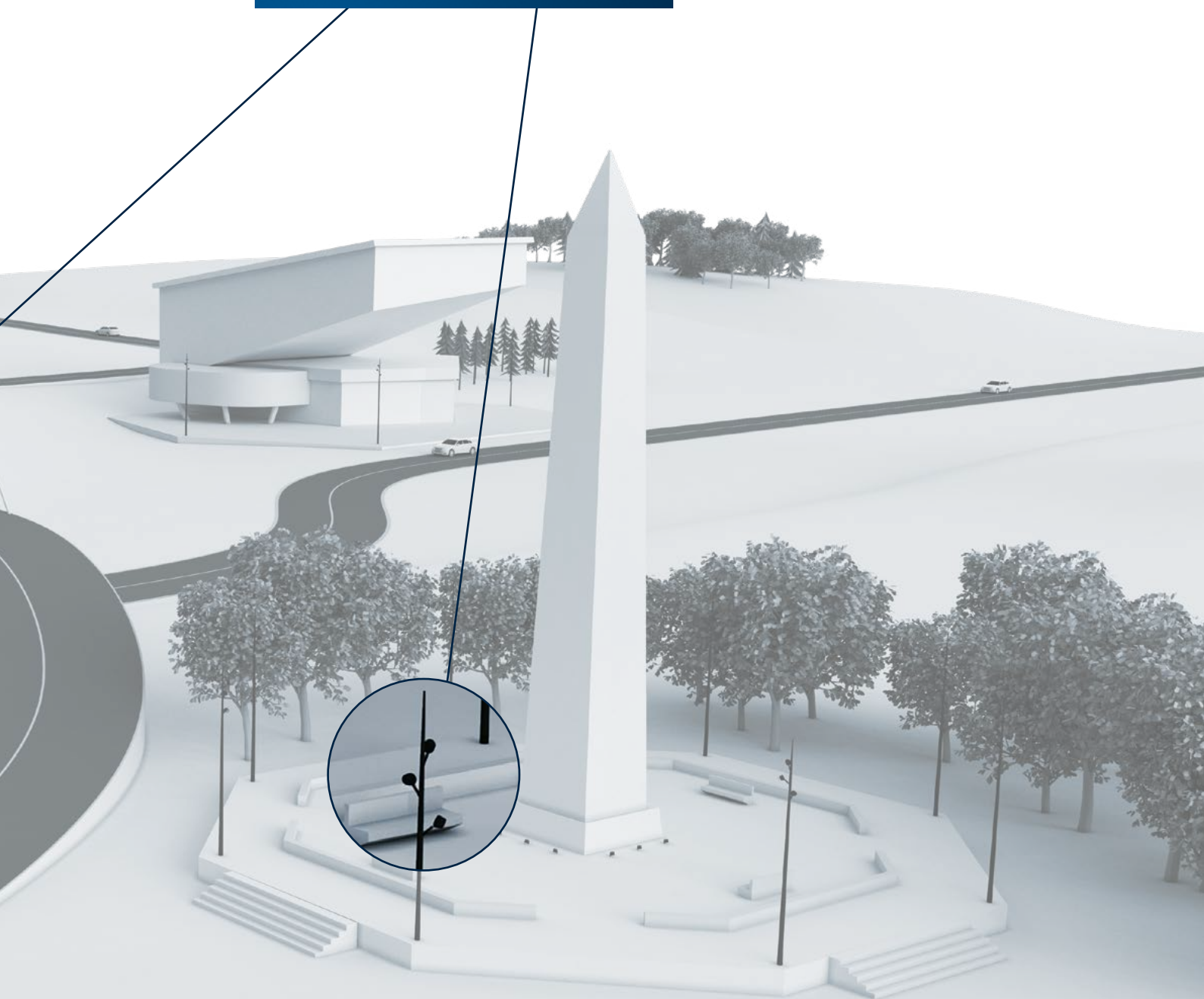
Our solutions for group and remote controls:



DMX RDM: Create dynamic scenes

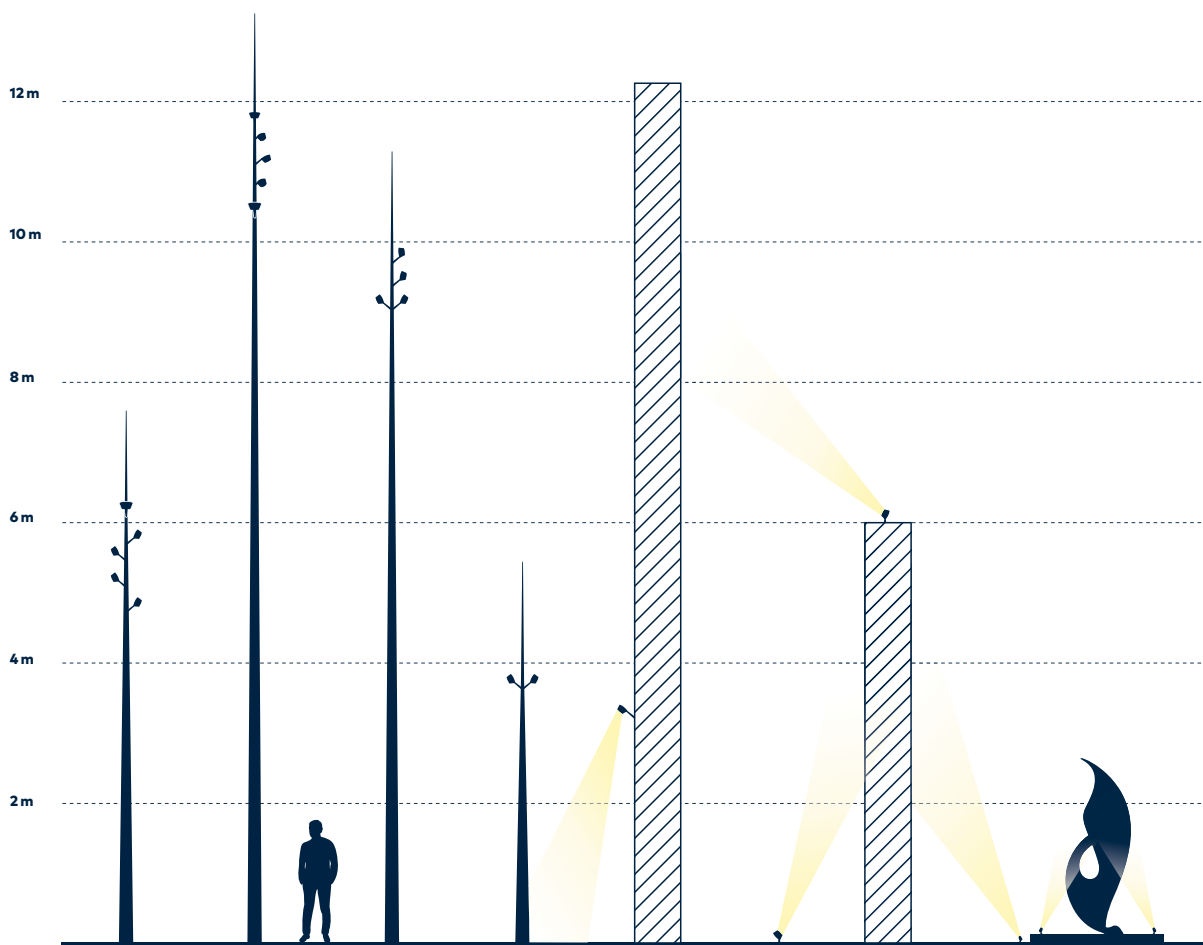


DALI2: Control the light intensity or the colour



INSTALLATION POSSIBILITIES

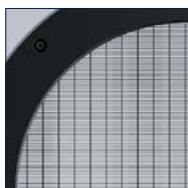
Contrast can be mounted wherever your design demands. Thorn understands that different architectures and areas have different requirements. That's why we have designed different mounting options for Contrast. It can be mounted for accent light from a pole or on the ground, and can also be used for area lighting. Different positionings of the fitting are possible on the pole, with mast heights from 6 m to 12 m. Contrast Medium is fixed with a dedicated pole mounting bracket. Various optical accessories are also provided to refine lighting designs and to better control light distribution and glare.



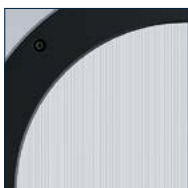
OPTICAL ACCESSORIES FOR GLARE CONTROL



Honeycomb



Louvres



Film diffuser



Visor

MOUNTING ACCESSORIES



Mast mounting
bracket

DISCOVER

CONTRAST



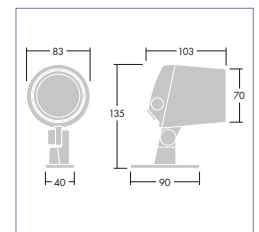
	SMALL (4L)	MEDIUM (12L)	LARGE (36L)	LARGE (52L)
	4 LEDs	12 LEDs	36 LEDs	52 LEDs
	Up to 450 lm	Up to 4000 lm	Up to 11 700 lm	Up to 17 440 lm
	Up to 76 lm/W	Up to 100 lm/W	Up to 100 lm/W	Up to 97 lm/W
	2200K / 2700K / 3000K / 4000K / RGBW / Blue / Balanced White (2200K–4000K)			
CRI	80	80 (2200K with CRI 70)		
	3 (2200K with 5)			
	IP66			
	IK08			
	-20 ° to +35 °C			
	6kV multi pulse differential mode (10kV single pulse common mode) or 10kV with surge protection device			
	Corrosion resistant (C5)			
	50 000 h L70@25 °C	50 000 h L80@25 °C		
	Narrow Intermediate Medium Wide Ultra Wide Elliptical	Narrow Medium Wide Asymmetrical		
	Visor	Visor, Honeycomb, Louvre, Film diffuser (10 x 40°, 1 x 60°, 55 x 55°)		
	Texturised anthracite, texturised light grey, texturised black, texturised white			
	DALI2, DMX RDM, basicDIM Wireless (Bluetooth®), manual switchDIM			



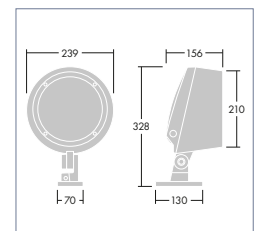
CONFIGURATION GUIDE

thornlighting.com/CONL

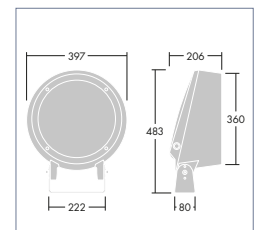
CONT3	12L	105	827	MB	HFX	6K	ANT	
Range	LED	mA	CCT/CRI	Optic	DALI	Fuse	Wiring	Colour
								ANT Texturised anthracite GY Texturised light grey BK Texturised black WH Texturised white
							IN IN version (4L only) IO IN/OUT version (4L only)	
						6K 6kV surge protection SP 10kV multi pulse surge protection		
					NG No driver (4L only) HF Fixed output (4L only) HFX DALI2 RDMX DMX RDM BC basicDIM Wireless (Bluetooth®) SWD manual switchDIM			
				NB Narrow Beam IMB Intermediate Medium Beam (4L only) MB Medium Beam WB Wide Beam UWB Ultra Wide Beam (4L only) 9x32 Elliptical Beam (4L only) 9x60 Elliptical Beam (4L only) AS Asymmetrical Beam				
			722 CRI 70 2200K 822 CRI 80 2200K 827 CRI 80 2700K 830 CRI 80 3000K 840 CRI 80 4000K 722-840 CRI 70 Balanced White 822-840 CRI 80 Balanced White (4L only)					
			RGBW RGBW BU Blue					
		50 500 mA 70 700 mA 105 1050 mA						
	4L 4 LEDs 12L 12 LEDs 36L 36 LEDs 52L 52 LEDs							
CONT3	Contrast							



CONTRAST SMALL (4L)



CONTRAST MEDIUM (12L)



CONTRAST LARGE (36L & 52L)

Configure the ideal product solution with myProduct. The myProduct configurator allows you to quickly and easily configure the luminaire to suit your individual needs. Try it now at www.thornlighting.com/myproduct



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. 02/2022 (INT)

**WE
MAKE
LIGHT
WORK**