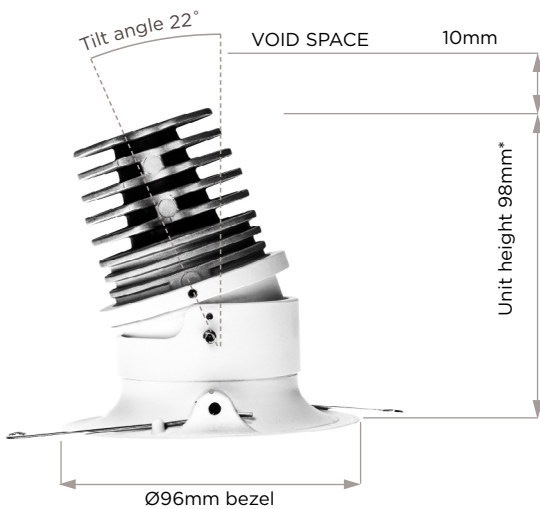


Curve Tilt



*Low void option available to give a unit height of 84mm. ø86mm cut out.

The Curve Tilt 96mm is an open, adjustable bezel, providing a wide spread of light and a 22° angle of tilt. The discrete nature of the fitting has been achieved by reducing the bezel thickness to 1.4mm before paint.

When dimmed, the Curve Tilt gives a gentle glow which appears to “grow” as the light output is then increased. This effect is achieved through a combination of the curve having a constant radius, together with textured paint and textured glass.

Data Specification

Beam angle 10°/20°/46°/60°	Lifetime 70,000hrs	LOR 99%
Colour consistency 1.5 MacAdam Ellipse		

SPARKLE

Our patented mixing chamber pairs a metalised reflector with a prismatic glass lens to mimic the stunning effect achieved with halogen dichroic. We are not aware of any other product in the market which achieves this, making our products well-known for their sparkle.

COLOUR CONSISTENCY

Our colour temperature consistency is guaranteed to be less than a young human eye can differentiate. At 1.5 MacAdam ellipse our consistency is the best available in the market - including remote phosphor products.

MAKING IT SIMPLE

To make choosing Orluna even simpler, our range is entirely modular so all our light engines work with all our bezels.

LOW VOID INSTALLATIONS

A low-void heatsink option is available - please see dimension drawing above for clearance measurements.

FIRE-RATING

All the products in our range are available with an independent 60 minute fire-rating, using either our patented FirePlate technology, or an approved fire hood.

IP-RATING

All products are IP44 as a minimum. Our fixed products are available with IP65 rating. Additionally, our DMR is available with an IP65 gaiter to provide IP65 rating without reducing the adjustability of the bezel.

ORLUNA FINISHES

We offer a full range of standard and bespoke finish options for the whole luminaire. Our standard White is RAL9010 fine texture with 20% gloss, however we can offer any other RAL colour.



Engines

TM-30-15 Rf90 Rg98

95CRI Engines

Engine	CCT	CRI	T _J ¹	Beam Angle	Peak Intensity (Cd)	Power (W)	Circuit Power (W)	Initial Lumens (lm)	Delivered Lumens (lm) ²	Efficacy (lm/cW) ³	Dim to Dark ⁴
10DEG-C	2700K 2938K	95	60°C	10°	9556	8	8.8	765	544	87 (62)	0.1% Lux
QUAD50-C	2500K 2700K 2938K	95	60°C	20/46/60°	2953 / 952 / 553	8.3	9.2	899	684	98 (75)	0.1% Lux
QUAD70-C	2500K 2700K 2938K	95	65°C	20/46/60°	4153 / 1338 / 778	10.3	11.4	1157	962	101 (84)	0.1% Lux

85CRI Engines

Engine	CCT	CRI	T _J ¹	Beam Angle	Peak Intensity (Cd)	Power (W)	Circuit Power (W)	Initial Lumens (lm)	Delivered Lumens (lm) ²	Efficacy (lm/cW) ³	Dim to Dark ⁴
10DEG	2700K 2938K	85	60°C	10°	9556	8	8.8	765	544	87 (62)	0.1% Lux
QUAD50	2500K 2700K 2938K	85	60°C	20/46/60°	3005 / 968 / 563	8.3	9.2	885	696	96 (76)	0.1% Lux
QUAD70	2500K 2700K 2938K 4000K	85	65°C	20/46/60°	4093 / 1319 / 767	10.3	11.4	1151	948	101 (83)	0.1% Lux
QUAD90	2500K 2700K 2938K	85	65°C	20/46/60°	5392 / 1738 / 1010	10.3	11.4	1493	1249	131 (110)	0.1% Lux

¹Junction temperatures are measured in-house and independently.

²Delivered lumens is measured post-optic and certified by LUX-TSI Ltd.

³Two efficacy figures are provided for clarity. The first figure represents initial lumens per circuit watt, and the second represents delivered lumens per circuit watt.

⁴Dim to Dark. All of our products have been tested for light output at the lowest dim level on our LED driver rather than power output.

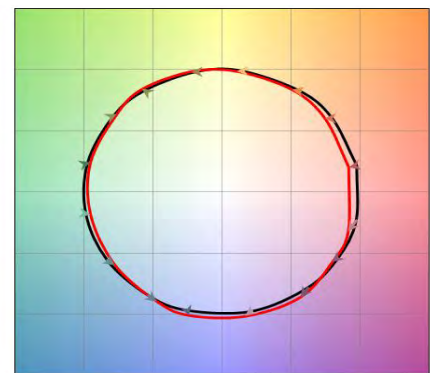
NOTE: Unlike most manufacturers, our engines don't vary their lumen output based on CCT. We use strict flux binning to ensure that every colour temperature provides the same lumen output. All data is certified by LUX-TSI Ltd.

TM-30-15

TM-30-15 is a standard of colour rendering that allows more accurate visual description of colour. It takes into account gamut, whilst expanding fidelity to 99 colour swatches from the eight measured for Ra. Orluna has embraced this standard as the future of colour rendering, and strives to achieve the best performance possible. Orluna 95CRI luminaires feature a fidelity of Rf90 and a gamut of Rg98.

This plot shows the average chromaticity shift for the samples within each of the 16 hues. The values are normalised so that the reference is a circle.

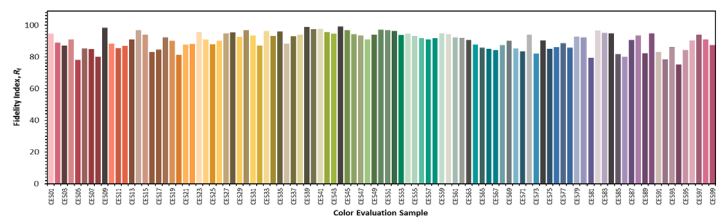
For full test reporting and further information, please see 'TM-30-15 Engine Data'.



— Reference Source — Test Source

Red, Typical 87

Red values for LEDs can be misleading. Typically, an LED's ability to render red tones successfully is only based upon the CRI R9 value. This reference colour is a single tone of red. TM30 measures 99 colours, of which 12 are red tones, and Orluna shows the typical value for these 12 red values as a measurement for red rendering quality.



Dimming

ANY BEZEL. ANY ENGINE. ANY DRIVER.

Every Orluna bezel is compatible with every engine option, and those combine with any of our drivers to provide dimming to 0.1% of lux output.

OUR PHILOSOPHY

Orluna's Expert Focus means that we can take care of, control of, and responsibility for all dimming details to give:

- Guaranteed Driver Performance - All Orluna luminaires come with a PSU which dims to 0.1% of lux output. We have mains dimming, 0-10V (eldoLED SOLOdrive as standard) and DALI (eldoLED SOLOdrive as standard)
- Guaranteed Control Performance - Dimming is only as good as the control compatibility. Orluna's Expert Focus means we have tested dimming on all mains control systems. Orluna offers crisp advice on compatibility and we certify any listed project to guarantee compatibility, so that if it isn't perfect we take responsibility.
- Every Orluna driver can be paired with an Emergency Pack for 3 hour maintained emergency lighting. We also offer self-test and DALI addressable versions.

COMPATIBILITY

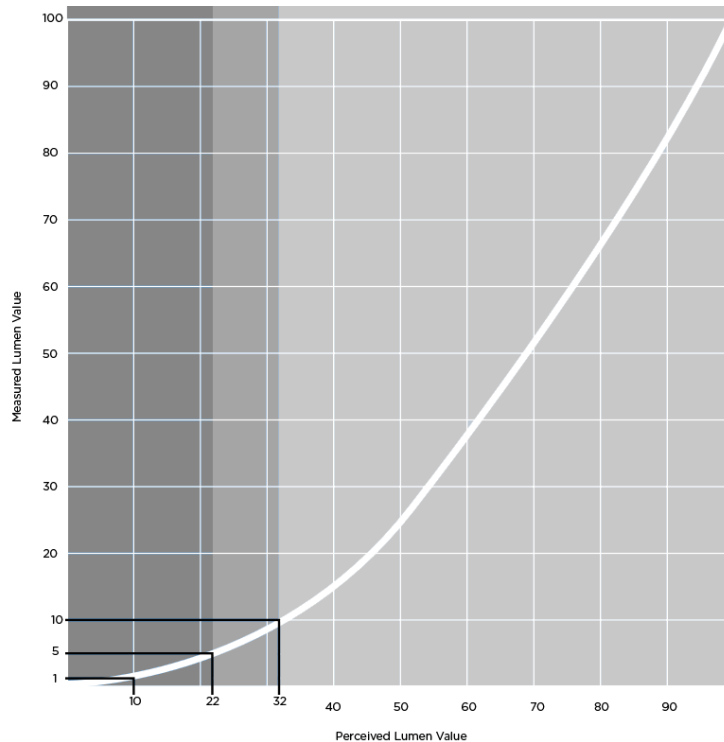
Orluna has compatibility test results for most dimming control interfaces including:



THE IMPORTANCE OF LOW END DIMMING

Orluna understands the reality of low end dimming and the need for true low end dim.

Below is a diagram showing the correlation between perceived lumen value and measured lumen value. At low light levels the human eye compensates its focus, much like a camera, and this adjustment makes the perceived amount of light appear brighter. As a guide, 10% measured lumens will be the equivalent of 32% perceived lumens. Because all Orluna LED drivers dim to at least 0.1%, the eye will see a dim level that will appear low when measured at a low level.



Codes

		5 - CVT - 29M46 - W - 44				
LIGHT ENGINE						
QUAD50-C	5C	↑				
QUAD70-C	7C	↑				
10DEG-C	1C	↑				
QUAD50	5		↑			
QUAD70	7		↑			
QUAD90	9		↑			
10DEG	1		↑			
BEZEL						
Curve Fixed	CVF					
Curve Recessed Fixed	CVRF					
Curve Tilt	CVT					
COLOUR TEMPERATURE						
2500K (not available for 10DEG/10DEG-C)	25					
2700K (any light engine)	27					
2938K (any light engine)	29					
4000K (only QUAD70)	40					
POWER SUPPLY UNIT						
Non-dimmable	N					
Dim-to-Dark Mains Dimmable (<0.1% lux)	M					
Dim-to-Dark 0-10V eldoLED SOLOdrive (<0.1% lux) (Increased void required)	O					
Dim-to-Dark DALI eldoLED SOLOdrive (<0.1% lux) (Increased void required)	D					
BEAM ANGLE						
10 Degree	10					
20 Degree	20					
46 Degree	46					
60 Degree	60					
BEZEL FINISH						
RAL9010 White (As Standard)	W					
Other RAL (Bespoke - please specify)	C					
ORLUNA BESPOKE						
IP44 Rating (As Standard)	44					
60 Minute Fire Rating (Patented FirePlate)	F					
Low Profile Heat Sink	L					
Jigsaw Plaster-in Accessory	J					
3hr Emergency Pack	EM					

