

Intralux



Ancona

Product
Brochure

Founded in 1986, **Intralux Australia** has extensive international presence in more than 20 countries via strategic alliances with local distributors and re-sellers. Our manufacturing facilities encompass modern semi-automated production techniques and an in-house research and development department that utilises sophisticated 3D modelling technologies to take advantage of rapid prototyping processes.



The Intralux team comprises of dedicated professionals working together in a corporate culture that is focused on the customer, human resources, design and innovation.

- Customers, design inception driven by customer needs, delivery time, prices and personalised service.
- Human Resources, in terms of continuous learning, team work and people empowerment.
- Design and Innovation, in terms of investment in new technology and acquisition of new techniques to achieve one of Intralux's competitive advantages – clever design. The intense development processes that Intralux employs will certainly assure the quality of products with unparalleled performance, lasting well into the future. Our aims are of course to provide maximum benefits, utilising the latest lamp technology available in the world today.

Illumination for tomorrow's world

Index

2-7

Product Overview

3, 8, 13

Design Applications

9-12

Product Specification

14

Warranty Statement

15

Environment & Sustainability

15

Warranty Terms & Conditions



Ancona

Mounting

Adjustable Spigot for both Post Top and Side Entry Installations allowing for continuity throughout your project.

SPD Surge Protection

Crucial for outdoor light fittings to safeguard against lightning strikes, electrical grid fluctuations, environmental factors, and to ensure the longevity and reliability of the luminaire.

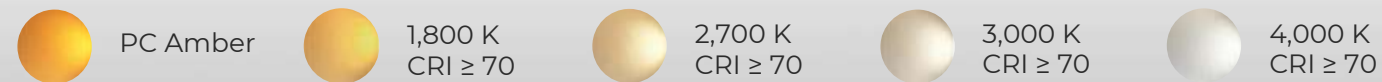
Ingress Protection (IP66)

Robust protection against dust and water ingress ensures durability in challenging outdoor conditions.

Impact Resistance (IK09)

The luminaire offers a high level of impact resistance, withstanding impacts up to 10 joules, ensuring durability and robustness.

Color Temperature



Finishes



Lifespan

L90 B10 > 100,000 hrs

Max. Verified Ambient Temperature

Withstands a maximum ambient temperature of 50°C for reliable operation in diverse climates.

Spigot Size Options

3 Spigot sizes available as standard 42mm, 60mm and 76mm.

Optional Input Cable Lengths

H07RN-F Cable: 3 lengths available as standard 1m, 6m and 10m.

Introducing the Ancona LED light – a durable outdoor luminaire with versatile pole-top mounting, IP66 protection and IK09 resistance. With a wide input voltage range, dimming options, and compact design, it delivers impressive light output and adapts to various outdoor settings.



Intralux

INDUSTRIAL

CARRPARKS



Product Overview

Built for Australian Environments

Premium Ledil Strada Optics

High Quality LEDIL Strada lenses focus on maximizing light output while minimizing glare and light pollution. It achieves this by directing light precisely where it's needed, reducing stray light and glare that can cause discomfort for pedestrians, drivers, and nearby residents.

Nichia LED PCB

Premium LED Manufacturer, renowned for high-quality, efficiency, and reliability.

Ultra-Clear Tempered Glass with Anti Reflective Coating

Ensuring optimal light transmission, minimizing potential losses or distortion. The tempering adds durability and safety to impacts and environmental factors. The anti-reflective coating further contributes to the efficiency of the luminaires by reducing glare and unwanted reflections.

316L stainless fasteners with Geomet Anti-Corrosion coating

The Geomet anti-corrosion coating adds an additional layer of protection, enhancing the resilience of the fasteners against rust and degradation over time. This combination of high-quality stainless steel and advanced coating not only prolongs the lifespan of outdoor luminaires but also helps maintain their structural integrity, ensuring reliable performance and reducing maintenance costs in the long run.

Silicone closed cell foam gasket

Known for its durability, longevity, weather resilience, tolerance to extreme temperatures, and moisture resistance. This medium offers a supreme seal against dust, dirt and insects to ensure the integrity of the luminaire is not compromised.

Tridonic LCO Electronic Control Gear - Non Dim / DALI

Trusted and proven, high quality, robust control gear and manufacturer. These LED drivers also feature an internal thermal cut-off device to protect component as well as ensure reliable operation in Australia's hot and dry climate.

Membrane Vents for Humidity Control

Membrane vents play a crucial role in humidity control for outdoor luminaires in Australia, where the climate can be diverse and challenging. These vents effectively regulate moisture levels within the luminaire, preventing the formation of condensation that can impact both performance and longevity of the luminaire.

Dulux Duratec Elements Powdercoated Finish

A high-performance coating designed for architectural applications, offering excellent durability and aesthetic appeal. This powdercoated finish offers superior resistance to corrosion, making it suitable for use in coastal and industrial environments where exposure to salt, pollutants, and other corrosive elements is common.

EN AC-44300 (AlSi12)

Die Cast housing - Low Copper content $\leq 0.1\%$

Offers Corrosion resistance and durability in harsh environments. Low copper content in the die-cast housing helps minimize the risk of galvanic corrosion, which can occur when dissimilar metals are in contact





30° Adjustable Tilt

With options for
pole top and side entry installations
using a single spigot head.



Intralux



Australian **Owned**

Australian **Designed**

Australian **Made**



Additional Optical Control

Backlight Shade

A Backlight Shade helps control the distribution of light, ensuring that it is directed primarily towards the intended area (e.g., streets, pathways) and minimizing light spill in unwanted directions. This enhances the efficiency of the luminaire by focusing light where it is needed most.

Available in the following optics:

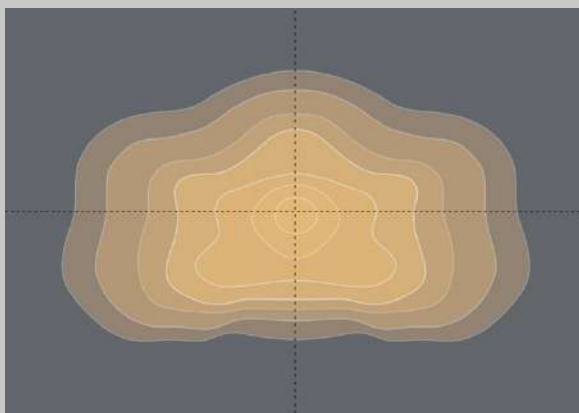
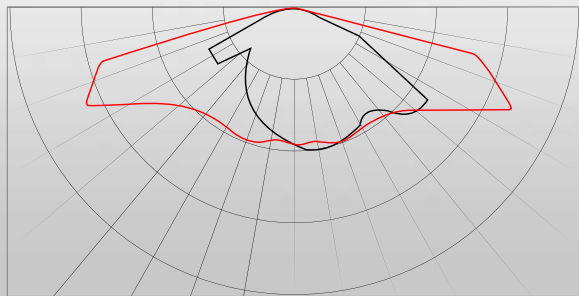
- TI-M
- SCL
- T3-M
- DWC
- ME
- T4
- T4-B
- XW

Why use the Backlight Shade?

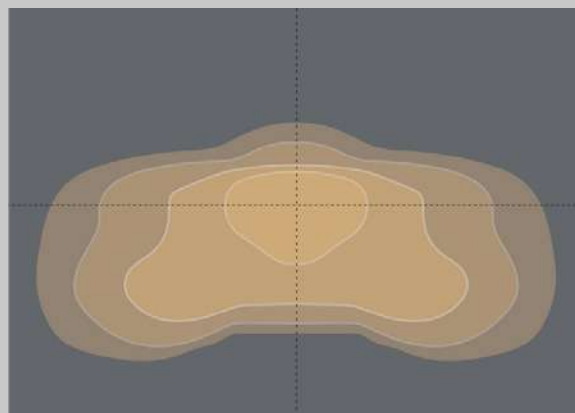
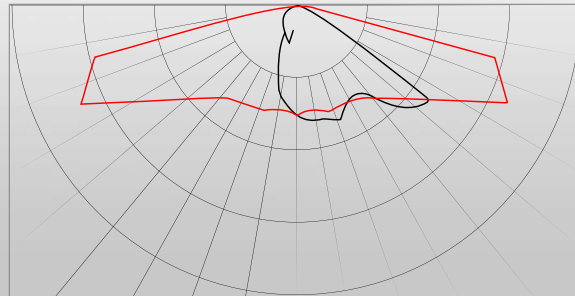
The use of this element offers even more light control from the luminaire, which in turn allows for:

- Reduced Light Pollution
- Glare Minimization
- Compliance with Lighting Regulation

Without Backlight Shade



With Backlight Shade



Spigot Sizes

42mm

Suit circular wall-mounted/facade brackets



76mm

Suit vertical-mounted circular poles

60mm

Suit circular horizontal-mounted outreach arms and attaching to wall-mounted/facade brackets

Intralux

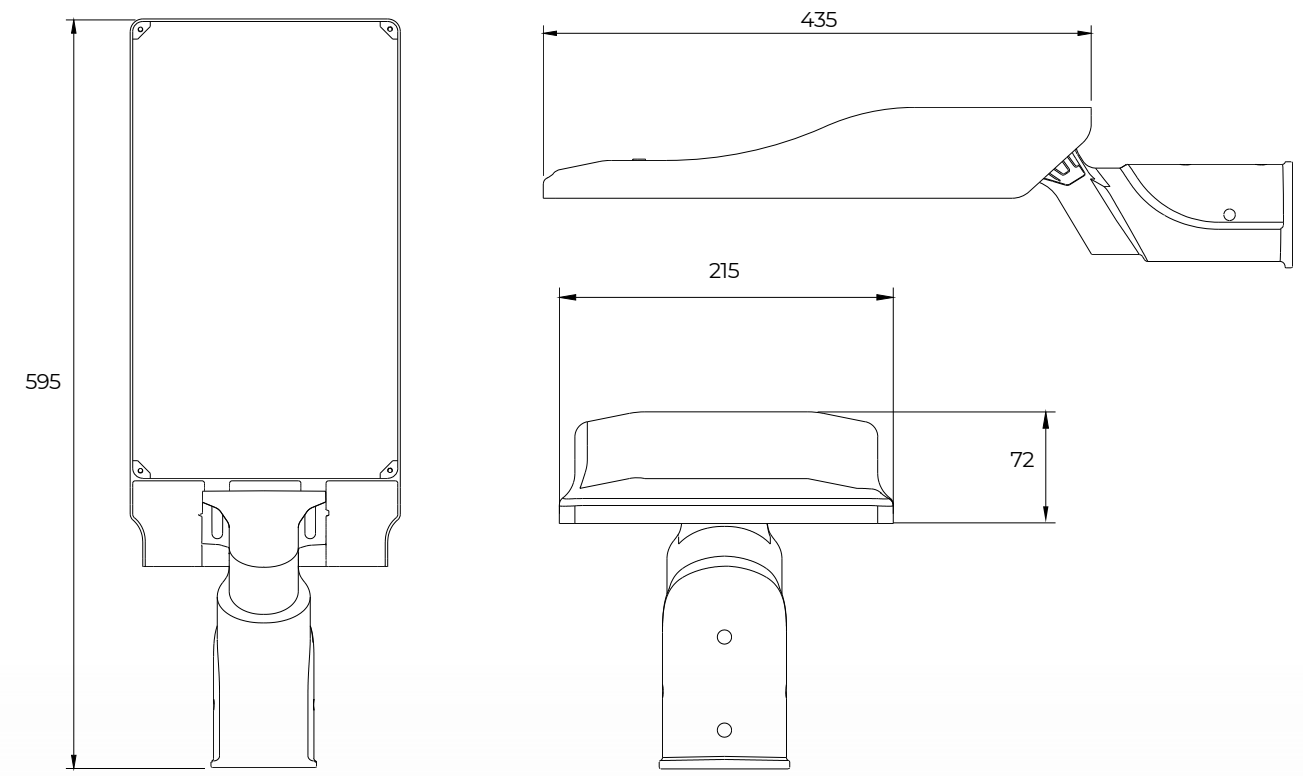


PARKS.

**Z
A
B
R
D**

Ancona

MEASUREMENT



TECHNICAL INFORMATION

Mounting

- Location Pole Top - Vertical and/or horizontal
- Ingress Protection IP66
- Impact Resistance IK09

Electrical

- Input Voltage 220-240V AC 50/60Hz
- Dimming Fixed Output, DALI
- Driver Location Integral
- Input Cable Length 1000mm / 6000mm / 10 000mm / other lengths on request
- Electrical Insulation Class I as standard. Class II on request

Dimension

- Width 215mm
- Height 72mm
- Weight 3.8 kgs
- Spigot Size Options 42mm / 60mm / 76mm

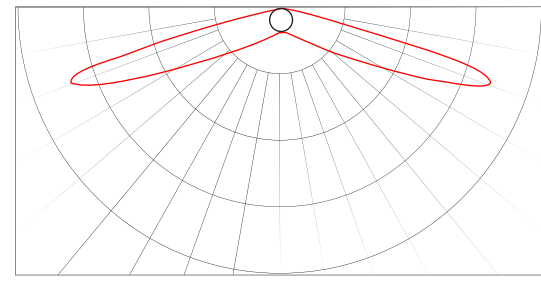
Light	10W	20W	30W	40W	50W	60W
Luminaire Power (Typical)	14W	23W	34W	46W	56W	67W
Luminaire Lumens	2020 lms	3382 lms	4949 lms	6560 lms	7819 lms	9156 lms
LED Power (Typical)	10W	20W	30W	40W	50W	60W
LED Lumens	2376 lms	3978 lms	5821 lms	7715 lms	9125 lms	10769 lms

#Lumens 70 CRI 4000K - Average

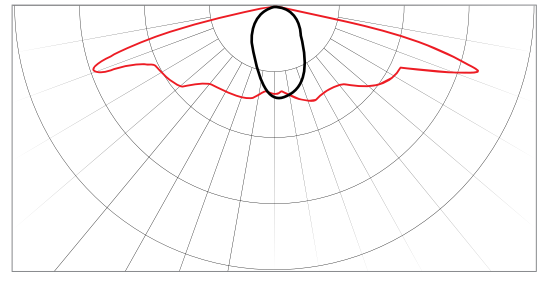
Colour Temperature

- 1800K / 2700K / 3000K / 4000K / PC Amber
- CRI 70+ (90+ CRI available on request)
- Beam Angle T1 / T1-M / T2-M / SCL / T3-M / DWC / ME / T4 / T4-B / XW
- Binning (SDCM) 3
- LM-80/TM-21 Lifespan L95 > 55,000 hrs
- Max. Verified Ambient Temperature 50°C

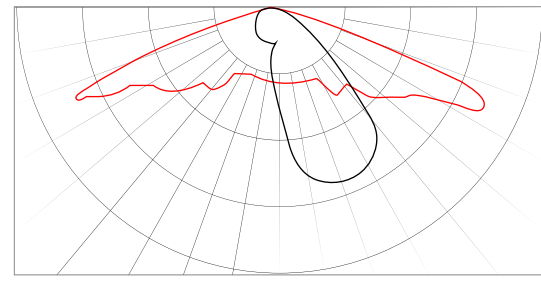
PHOTOMETRICS



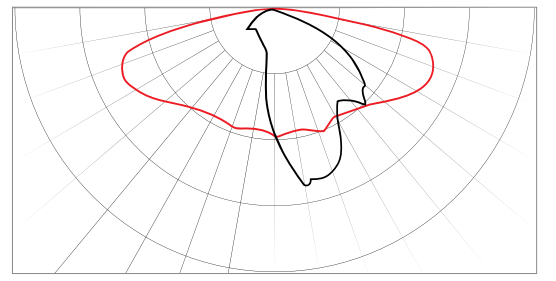
T1' Beam (T1)



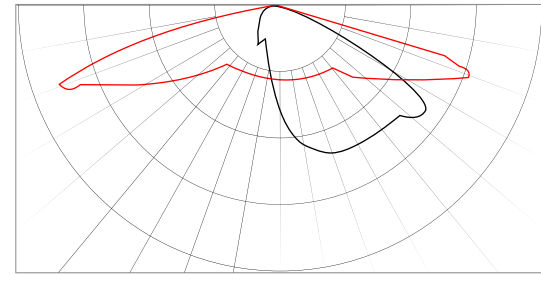
T1-M' Beam (T1M)



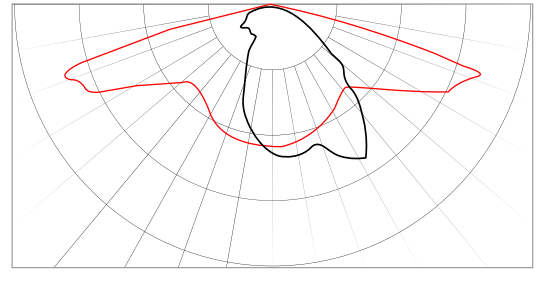
T2-M' Beam (T2M)



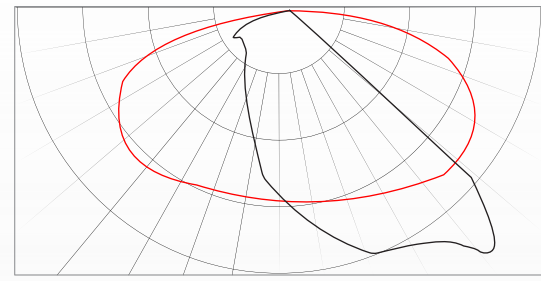
SCL' Beam (SCL)



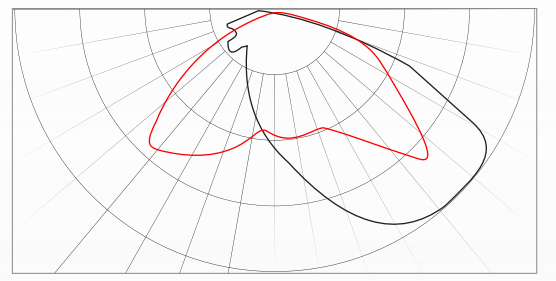
T3-M' Beam (T3M)



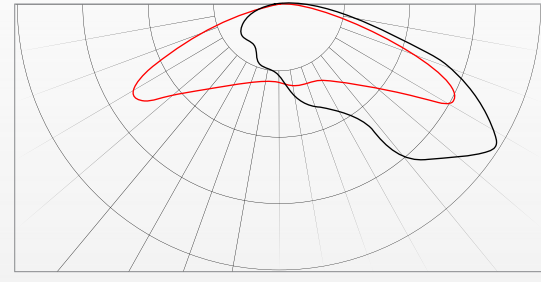
DWC' Beam (DWC)



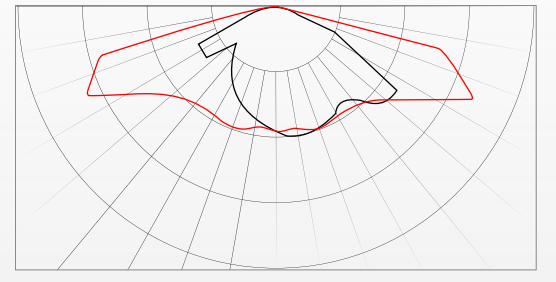
ME' Beam (ME)



T4' Beam (T4)



T4-B' Beam (T4B)



XW' Beam (XW)

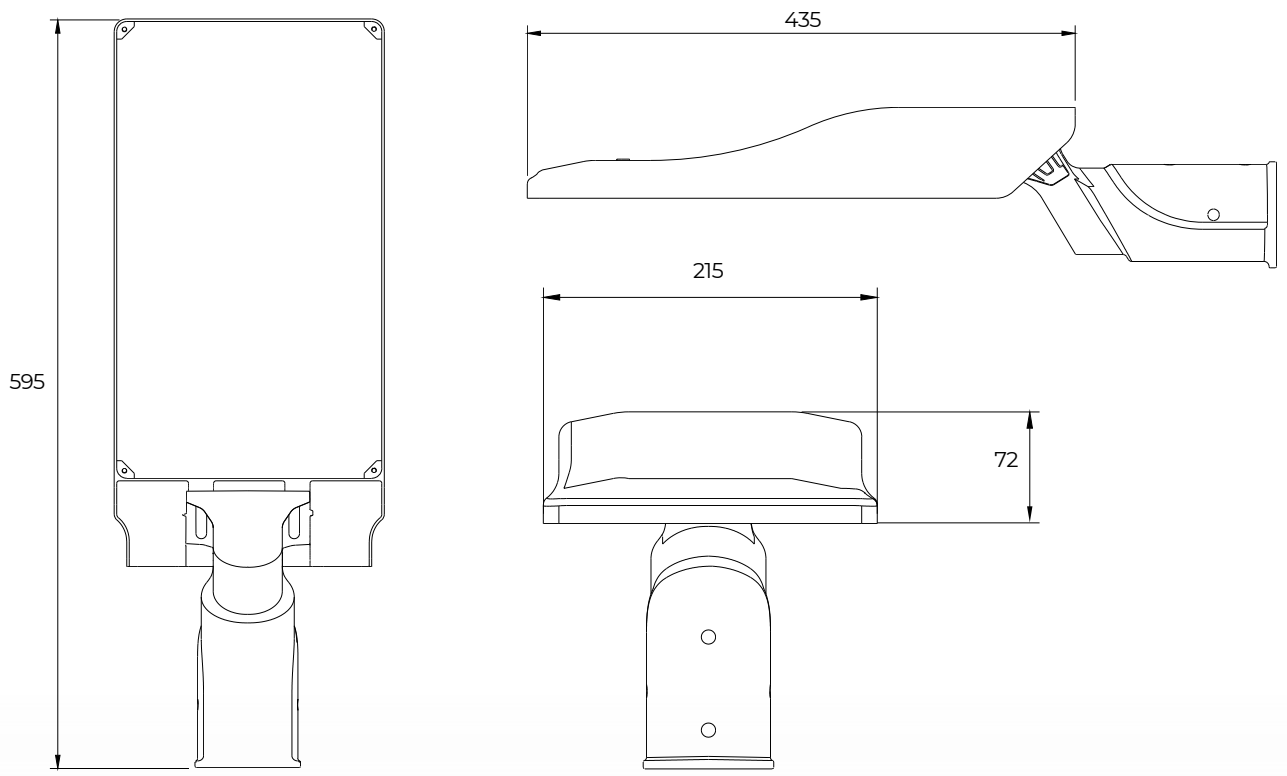
SPECIFICATION CODE

PRODUCT	OUTPUT	BEAM	FINISH	SPIGOT SIZE	COLOUR TEMPERATURE	DIMMING	INPUT CABLE LENGTH
ANC - (ANC) Ancona	60 (10) 2020 lms (20) 3382 lms (30) 4949 lms (40) 6560 lms (50) 7819 lms (60) 9156 lms	T2M (T1) T1 (T1M) T1-M (T2M) T2-M (SCL) SCL (T3M) T3-M (DWC) DWC (ME) ME (T4) T4 (T4B) T4-B (XW) XW	MB (MB) Metallic Black Powdercoat (MS) Metallic Silver Powdercoat (W) White Powdercoat (SP) Other	76 (42) - 42mm (60) - 60mm (76) - 76mm	730 (718) 70 CRI 1800K (727) 70 CRI 2700K (730) 70 CRI 3000K (740) 70 CRI 4000K (PC) PC Amber	DALI (F) Fixed Output (DALI) DALI	10 (1) 1m (6) 6m (10) 10m (SP) Custom

Ancona with Backlight Shade

PHOTOMETRICS

MEASUREMENT



TECHNICAL INFORMATION

Mounting

Location Pole Top - Vertical and/or horizontal
 Ingress Protection IP66
 Impact Resistance IK09

Electrical

Input Voltage 220-240V AC 50/60Hz
 Dimming Fixed Output, DALI
 Driver Location Integral
 Input Cable Length 1000mm / 6000mm / 10 000mm / other lengths on request
 Electrical Insulation Class I as standard. Class II on request

Dimension

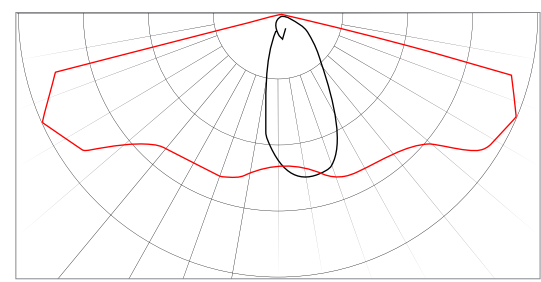
Width 215mm
 Height 72mm
 Weight 3.8 kgs
 Spigot Size Options 42mm / 60mm / 76mm

Light

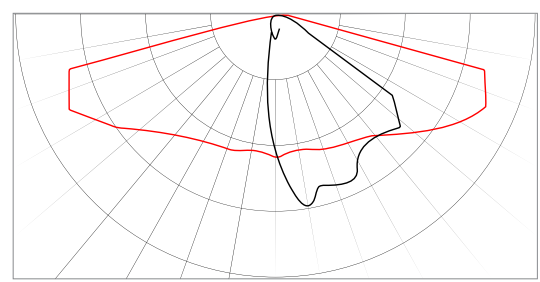
	10W	20W	30W	40W	50W	60W
Luminaire Power (Typical)	14W	23W	34W	46W	56W	67W
Luminaire Lumens	1475 lms	2470 lms	3615 lms	4791 lms	5710 lms	6687 lms
LED Power (Typical)	10W	20W	30W	40W	50W	60W
LED Lumens	2376 lms	3978 lms	5821 lms	7715 lms	9125 lms	10769 lms
#Lumens 70 CRI 4000K - Average						

Colour Temperature

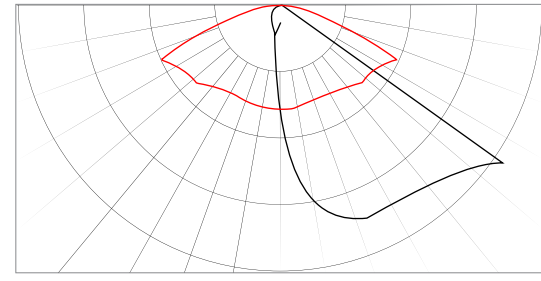
1800K / 2700K / 3000K / 4000K / PC Amber
 CRI 70+ (90+ CRI available on request)
 Beam Angle T1-M / SCL / T3-M / DWC / ME / T4 / T4-B / XW
 Binning (SDCM) 3
 LM-80/TM-21 Lifespan L95 > 55,000 hrs
 Max. Verified Ambient Temperature 50°C



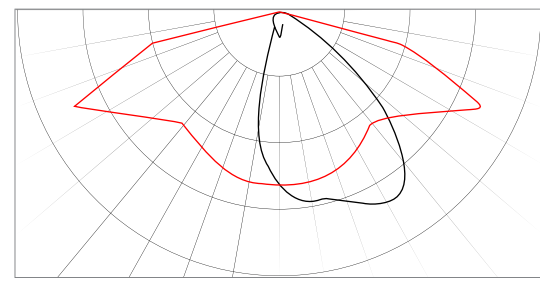
T1-M' Beam with Backlight Shade (T1M - SHD)



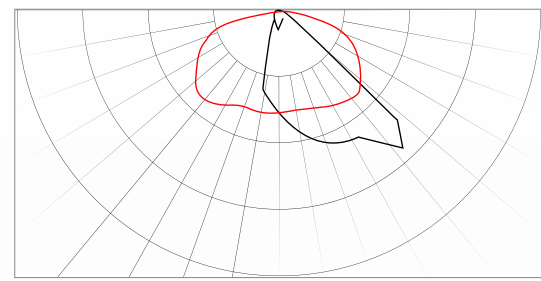
SCL' Beam with Backlight Shade (SCL - SHD)



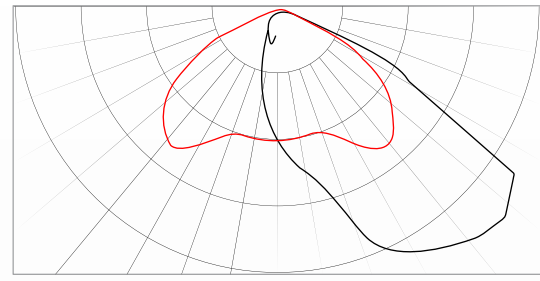
T3-M' Beam with Backlight Shade (T3M - SHD)



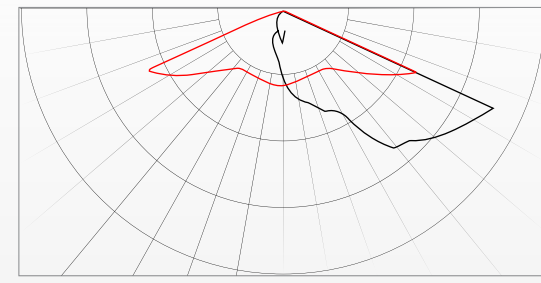
DWC' Beam with Backlight Shade (DWC - SHD)



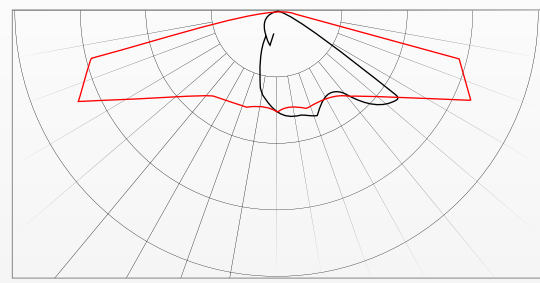
ME' Beam with Backlight Shade (ME - SHD)



T4' Beam with Backlight Shade (T4 - SHD)



T4-B' Beam with Backlight Shade (T4B - SHD)

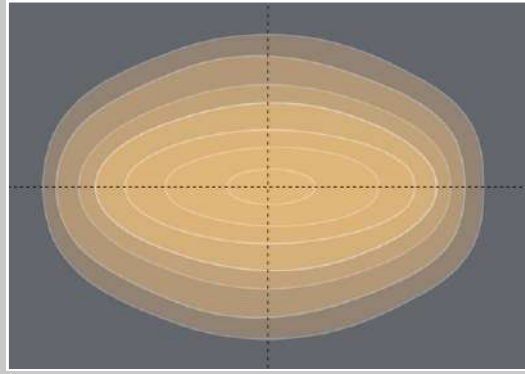


XW' Beam with Backlight Shade (XW - SHD)

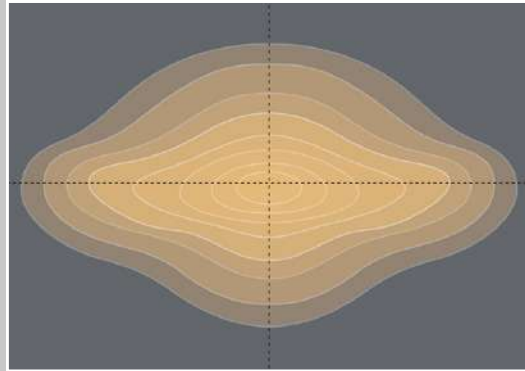
SPECIFICATION CODE

PRODUCT	OUTPUT	BEAM	FINISH	SPIGOT SIZE	COLOUR TEMPERATURE	DIMMING	INPUT CABLE LENGTH
ANC (ANC) Ancona	60 (10) 1475 lms (20) 2470 lms (30) 3615 lms (40) 4791 lms (50) 5710 lms (60) 6687 lms	-T2M-SHD - (T1M-SHD) (SCL-SHD) (T3M-SHD) (DWC-SHD) (ME-SHD) (T4-SHD) (T4B-SHD) (XW-SHD)	MB (MB) Metallic Black Powdercoat (MS) Metallic Silver Powdercoat (W) White Powdercoat (SP) Other	76 (42) - 42mm (60) - 60mm (76) - 76mm	730 (718) 70 CRI 1800K (727) 70 CRI 2700K (730) 70 CRI 3000K (740) 70 CRI 4000K (PC) PC Amber	DALI (F) Fixed Output (DALI) DALI	10 (1) 1m (6) 6m (10) 10m (SP) Custom

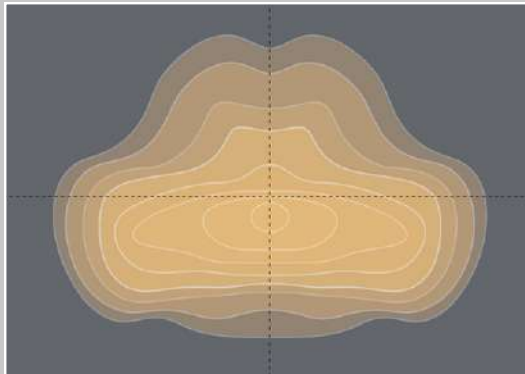
PRECISION OPTICS



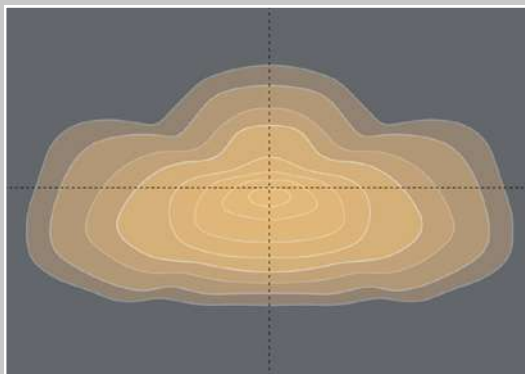
T1 Beam (T1)



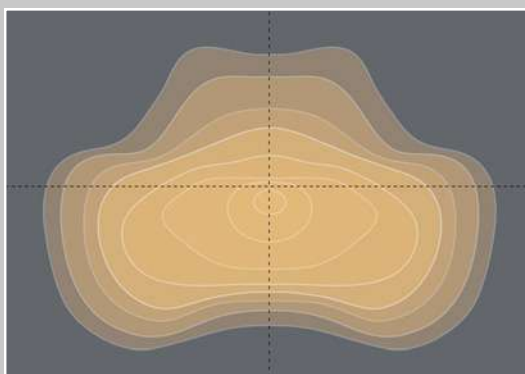
T1-M Beam (T1M)



T2-M Beam (T2M)



SCL Beam (SCL)



T3-M Beam (T3M)



TYPICAL LUMINAIRE PERFORMANCE

T1 Symmetric IESNA Type I (medium) beam for narrow roads and paths with long pole distance.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T1-XX-XX-740	T1	1989	14	142
ANC-20-T1-XX-XX-740		3330	23	145
ANC-30-T1-XX-XX-740		4873	34	143
ANC-40-T1-XX-XX-740		6458	46	140
ANC-50-T1-XX-XX-740		7699	56	137
ANC-60-T1-XX-XX-740		9015	67	135

T1-M IESNA Type I (medium) beam applicable for European P-class standard for pedestrian lighting and bicycle paths.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T1M-XX-XX-740	T1-M	2012	14	144
ANC-20-T1M-XX-XX-740		3369	23	146
ANC-30-T1M-XX-XX-740		4929	34	145
ANC-40-T1M-XX-XX-740		6533	46	142
ANC-50-T1M-XX-XX-740		7788	56	139
ANC-60-T1M-XX-XX-740		9119	67	136

T2-M IESNA Type II (medium) beam with excellent backlight control, illuminance uniformity and cutoff.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T2M-XX-XX-740	T2-M	2120	14	151
ANC-20-T2M-XX-XX-740		3549	23	154
ANC-30-T2M-XX-XX-740		5194	34	153
ANC-40-T2M-XX-XX-740		6884	46	150
ANC-50-T2M-XX-XX-740		8206	56	147
ANC-60-T2M-XX-XX-740		9609	67	143

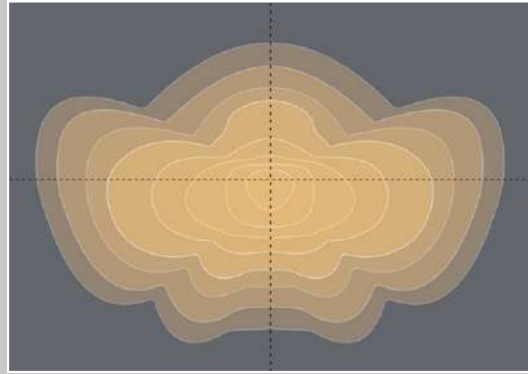
SCL Mixed Type II/III (long) beam for very wide pole-to-pole distances. Ideal for pedestrian paths and residential roads. EN13201 P-classes.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-SCL-XX-XX-740	SCL	1982	14	142
ANC-20-SCL-XX-XX-740		3318	23	144
ANC-30-SCL-XX-XX-740		4856	34	143
ANC-40-SCL-XX-XX-740		6436	46	140
ANC-50-SCL-XX-XX-740		7672	56	137
ANC-60-SCL-XX-XX-740		8983	67	134

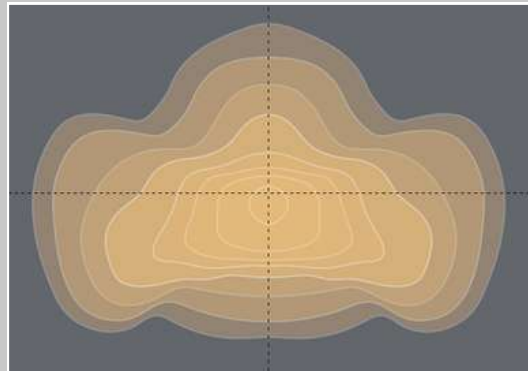
T3-M IESNA Type III (medium) beam with excellent backlight control, illuminance uniformity and cutoff.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T3M-XX-XX-740	T3-M	2054	14	147
ANC-20-T3M-XX-XX-740		3439	23	150
ANC-30-T3M-XX-XX-740		5032	34	148
ANC-40-T3M-XX-XX-740		6669	46	145
ANC-50-T3M-XX-XX-740		7950	56	142
ANC-60-T3M-XX-XX-740		9309	67	139

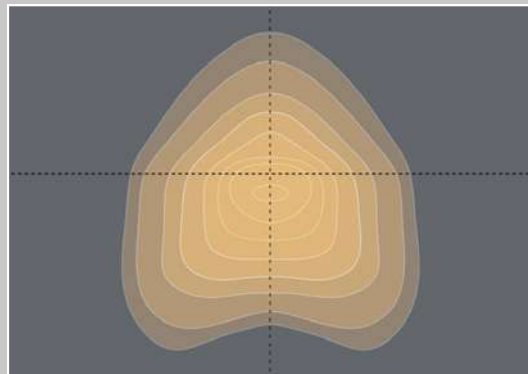
PRECISION OPTICS



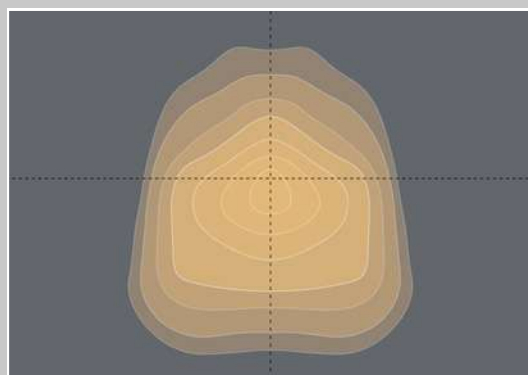
DWC Beam (DWC)



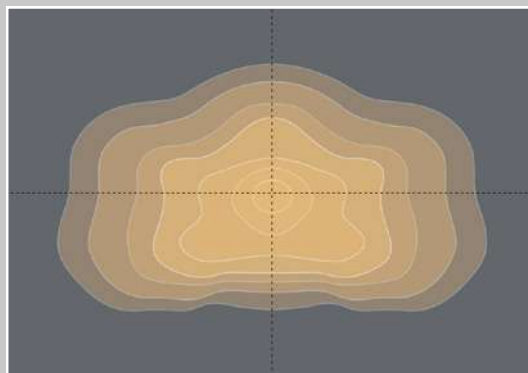
ME Beam (ME)



T4 Beam (T4)



T4-B Beam (T4B)



XW Beam (XW)



TYPICAL LUMINAIRE PERFORMANCE

DWC Universal road lighting beam with excellent mixed illuminance uniformity. Typically IESNA Type III (medium)

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-DWC-XX-XX-740	DWC	2091	14	149
ANC-20-DWC-XX-XX-740		3501	23	152
ANC-30-DWC-XX-XX-740		5123	34	151
ANC-40-DWC-XX-XX-740		6790	46	148
ANC-50-DWC-XX-XX-740		8093	56	145
ANC-60-DWC-XX-XX-740		9477	67	141

ME Beam with excellent longitudinal luminance uniformity fulfilling EN13201 M-class requirements where road width is equal to or less than the pole height.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-ME-XX-XX-740	ME	2089	14	149
ANC-20-ME-XX-XX-740		3498	23	152
ANC-30-ME-XX-XX-740		5118	34	151
ANC-40-ME-XX-XX-740		6783	46	147
ANC-50-ME-XX-XX-740		8086	56	144
ANC-60-ME-XX-XX-740		9468	67	141

T4 IESNA Type IV beam for wider roads and large outdoor areas.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T4-XX-XX-740	T4	2067	14	148
ANC-20-T4-XX-XX-740		3461	23	150
ANC-30-T4-XX-XX-740		5064	34	149
ANC-40-T4-XX-XX-740		6712	46	146
ANC-50-T4-XX-XX-740		8001	56	143
ANC-60-T4-XX-XX-740		9368	67	140

T4-B Wide IESNA Type IV forward-throw beam for wide area lighting like car parks.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-T4B-XX-XX-740	T4-B	1937	14	138
ANC-20-T4B-XX-XX-740		3243	23	141
ANC-30-T4B-XX-XX-740		4746	34	140
ANC-40-T4B-XX-XX-740		6290	46	137
ANC-50-T4B-XX-XX-740		7497	56	134
ANC-60-T4B-XX-XX-740		8779	67	131

XW Extra wide beam for wide area security lighting.

Configuration	Beam	Delivered Lumens	Circuit Power (W)	Luminaire Efficacy (lm/W)
ANC-10-XW-XX-XX-740	XW	1861	14	133
ANC-20-XW-XX-XX-740		3116	23	135
ANC-30-XW-XX-XX-740		4559	34	134
ANC-40-XW-XX-XX-740		6043	46	131
ANC-50-XW-XX-XX-740		7203	56	129
ANC-60-XW-XX-XX-740		8435	67	126

Intralux

RESIDENTIAL •

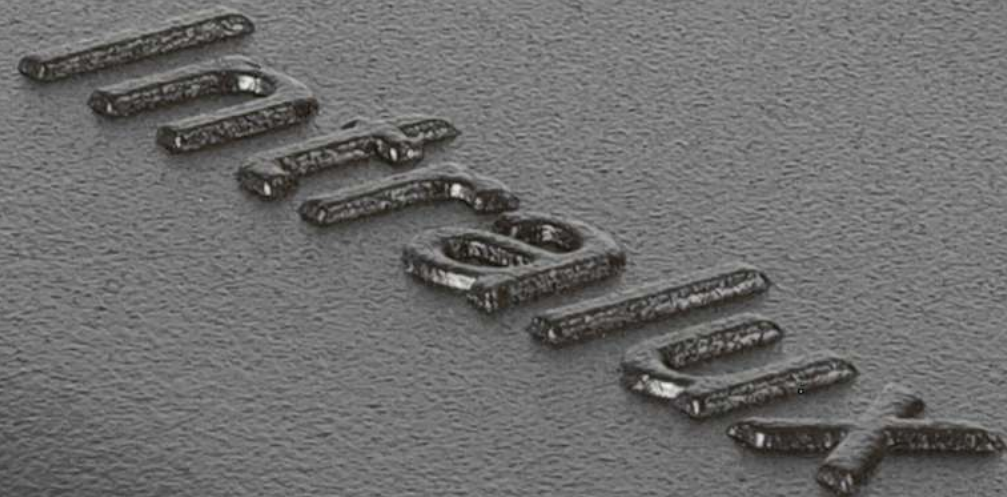
PATHWAYS



8 year **Product Warranty.**

Intralux Australia guarantees that the Intralux Ancona-branded products are free from manufacturing and/or material defects, as long as they are used in compliance with their intended use, for a period of 8 Years as standard. An optional 10 Year warranty may be available upon application.

See Warranty Terms and Conditions for further information.



INTRALUX

RE-USE
RE-THINK
RE-INVENT
REDUCE
RECYCLE

Residential and Commercial sector lighting has a large draw on energy resources, accounting for 25% and 40% respectively of total energy use. In a world of diminishing energy reserves, efficiency in lighting plays a major role in slowing the demand on these finite resources.

Whilst lighting is of great importance to industry, commerce and the general well being of earth's human inhabitants, greater innovation is being applied to lighting development than most other energy use sectors. Now beyond community pressure or encouragement, Governments now legislate levels of reduction in lighting energy consumption because it is a visible commodity. Yet much would be made of degradation to the amenity of public lighting if it was to be switched off or dramatically reduced. Some would argue that law and order would suffer if public lighting was curtailed. Therefore More Light - Less Power is the future.

The lighting industry has done more over the past twenty years to arrest the trend of energy over consumption than over the previous 100 years, with the introduction of energy efficient lamps such as the T5 fluorescent, through to today's LED's and smart controls

Intralux Australia has a heavy commitment as a product developer in ensuring environmental impact is minimized and sustainability remains a priority. Being a product designer and manufacturer, our ability to influence the outcomes are considerable. Everything from minimizing the factory footprint for manufacturing, to raw material selections enabling near 100% recyclability, to the minimization of disposable packaging. Our holistic approach from 'design to recycle' enhances the sustainable nature of our product contribution to the community at large. Products with life expectancy of 20 years + that are both maintainable and upgradable further reducing the need for unsustainable frequent product replacement, which has become the 'norm' with low cost inferior products.

As a good corporate citizen, coupled to the genuine concern for the future viability of a sustainable environment, Intralux Australia is dedicated to continuous energy efficient product development initiatives.



- 1 Intralux Australia. ("Intralux") guarantees that Intralux Ancona-branded products ("products") are free from manufacturing and/or material defects, as long as they are used in compliance with their intended use, for a period of 8 Years from the invoice date beyond 21st July 2021 as standard
2. An additional 2 year warranty extension can be purchased from your Intralux retailer at time of luminaire purchase. This will enable a total of a 10 year product warranty still subject to terms and conditions outlined in this document.
- 3 This warranty ("warranty") is given by Intralux to your company ("client") on the Intralux Ancona products.
- 4 The warranty shall be enabled only if the client completes the Intralux Warranty Registration form which can be downloaded from www.intralux.com and returned to Intralux within 60 days from invoice date.
- 5 The Warranty shall only be effective subject to the following conditions:
 - a) the product has been used in compliance with the relevant specification and use (technical specifications) guidelines provided.
 - b) Any installation and/or assembly work on the product is to be carried out by certified electrical personnel only and are required to comply with the instructions accompanying the product.
 - c) Temperature and voltage limit values have not been exceeded and the product has not been subjected to mechanical loads which do not comply with its intended use.
 - d) Maintenance of this product is to be carried out by certified electrical personnel only. This maintenance should be in compliance with any instructions accompanying the product. The product shall not be changed/repared without either the relevant written authorisation or the noncompliance with the enclosed instructions.
 - e) The Client has previously carried out all first-level interventions as outlined in the instruction manual accompanying the product.
 - f) If a defect has been identified, it is within warranty conditions that it is reported in writing by the client to Intralux within sixty (60) days from its discovery.
 - g) If your luminaire has been repaired under warranty, your product warranty will not restart its warranty cycle. However, the remaining warranty period will still apply.
- 6 The Warranty does not cover:
 - a) Product defects caused by unforeseen and unforeseeable events, i.e. accidental circumstances and/or force majeure (including electric shocks, lightning) that cannot be attributed to a defective manufacturing process of the product.
 - b) Defects caused by power disturbances (surges) of range or duration in accordance with CISPR 15.
 - c) A Surge Protection Device (SPD) is included as standard on all Ancona luminaires. The SPD is excluded from warranty because of its sacrificial roll in protection of the luminaire.
- 7 Should the Product be affected by defects covered by this Warranty and the conditions under paragraphs 4 and 5 above are met, Intralux shall be free to decide in its absolute discretion whether to repair and/or replace the product with the same or an equivalent product - subject to the technological progression that has taken place from the release of the original product.
- 8 If the defects in a product are in compliance with warranty guidelines, the following will not be included in the warranty service of this product:
 - a) All additional costs incurred due to any work needed to repair the defect (e.g. costs incurred to assemble/disassemble the product or to transport the defective/repared/new product as well as expenses incurred for disposal, allowances, travel, lifting devices and scaffolding). Said costs shall be charged to the Client.
 - b) Parts subject to wear and tear such as light sources unless otherwise specified.
- 9 If duly enabled, this warranty constitutes the sole and exclusive form of guarantee on the Product offered by Intralux to the client and expressly derogates from any other right, whether express and/or implied, acknowledged by the law to the client, who renounces said right in the broadest manner allowed by the law as well as any other warranties given by Intralux.
- 10 The client shall claim no further rights from Intralux in relation to the defective Product. In particular, the client may not claim from Intralux any expenses incurred in storing the defective/faulty product nor any other costs and/or compensation. Moreover the client shall not request and/or claim any payment extensions, price reductions or the termination of the supply contract. ---END---

Intralux

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