HERCULED LİTPA
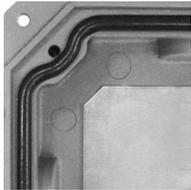
To protect from possible damage arising from high ambient temperatures or electrical supply issues, thermal protection is integrated to HERCULED luminaires. Exceeding the specified ambient temperature results in temporary shut-down to avoid damage to the LEDs or LED drive unit.

HERCULED fixtures are in the IP66 protection class. As the polyurethane liquid cast gasket applied by robot provides equal load bearing thickness at each and every point ensuring uniform compression force between the glass and the body and for maximum assurance of ingress protection.
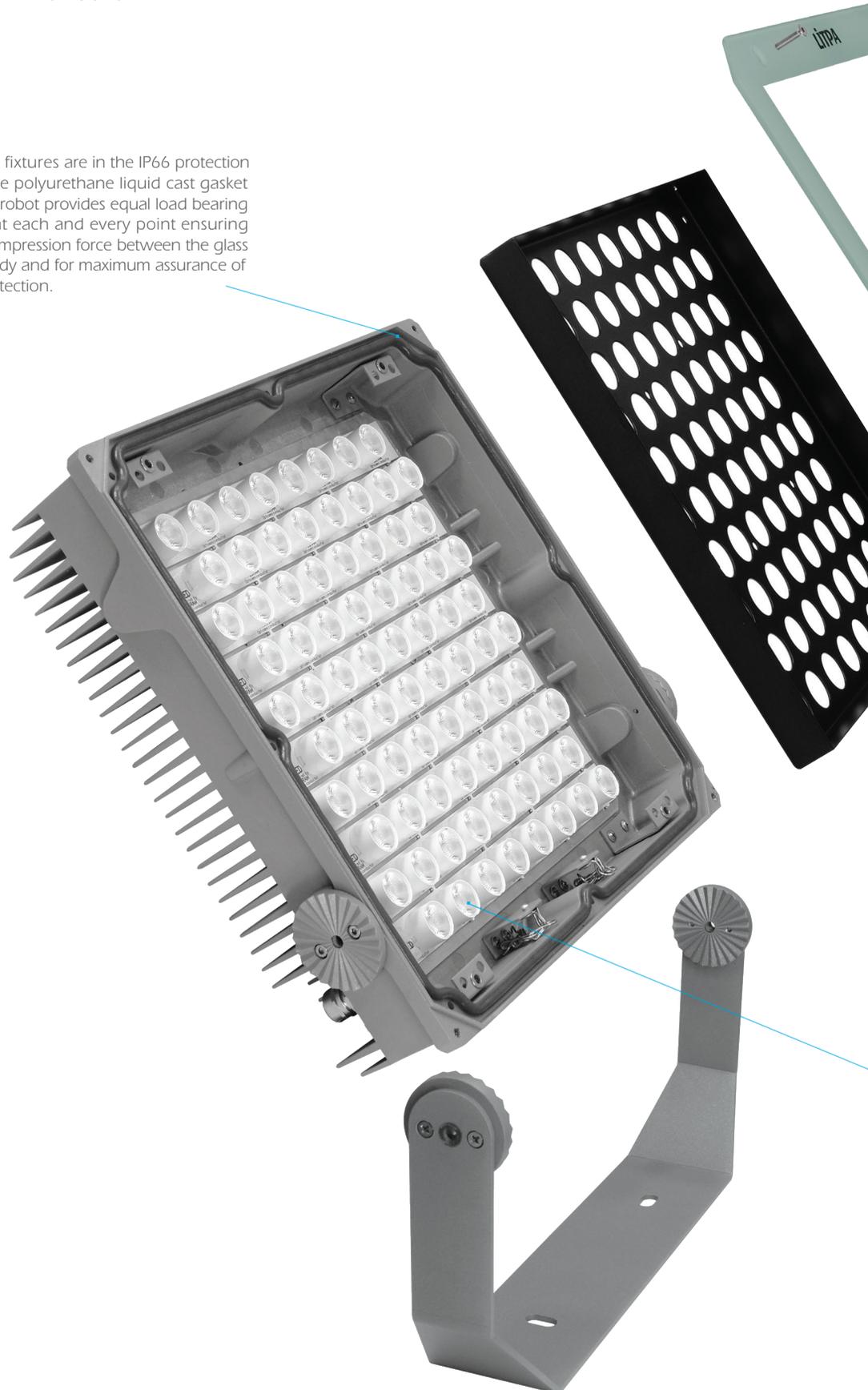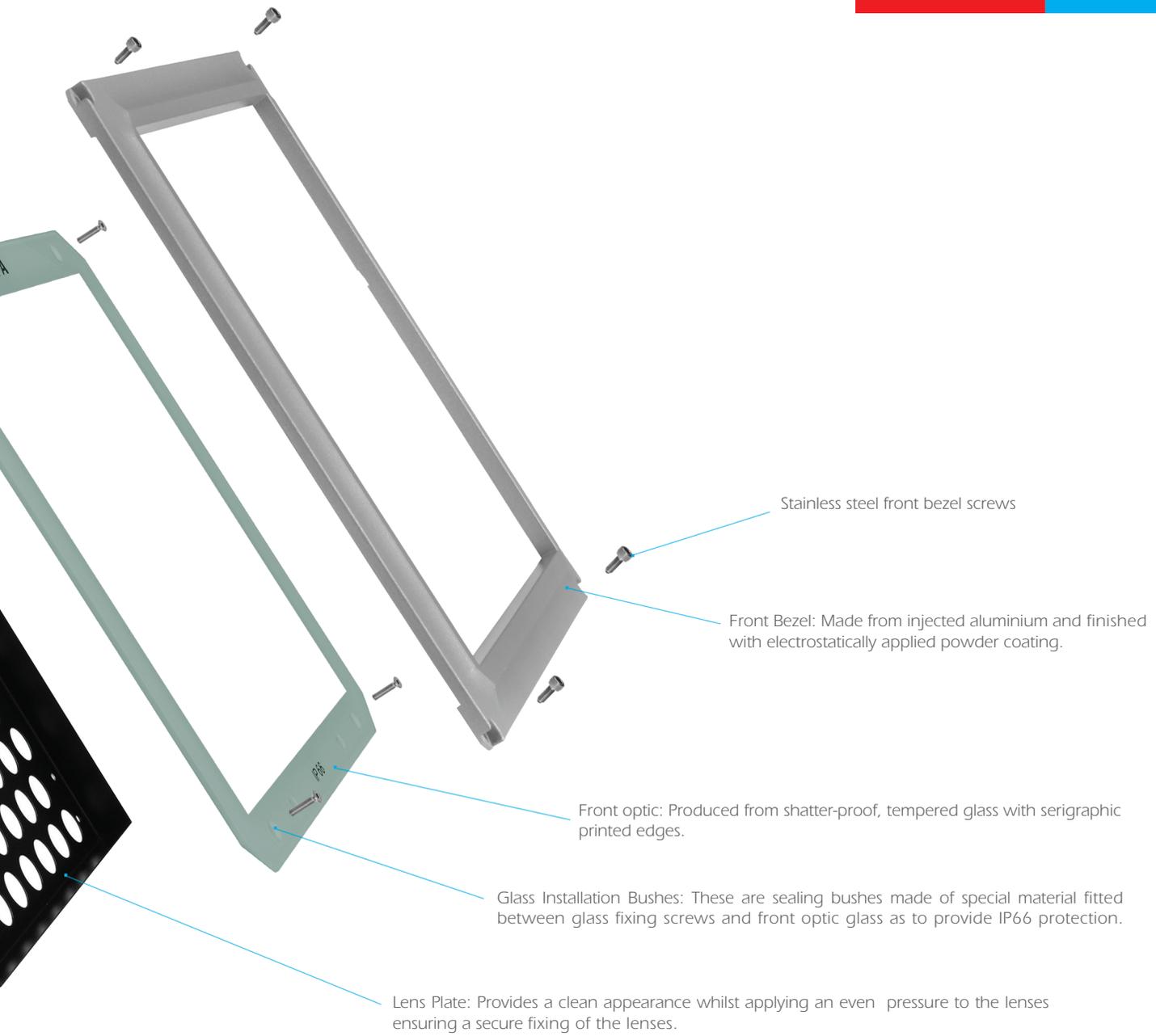
Stainless steel front bezel screws

Front Bezel: Made from injected aluminium and finished with electrostatically applied powder coating.

Front optic: Produced from shatter-proof, tempered glass with serigraphic printed edges.

Glass Installation Bushes: These are sealing bushes made of special material fitted between glass fixing screws and front optic glass as to provide IP66 protection.

Lens Plate: Provides a clean appearance whilst applying an even pressure to the lenses ensuring a secure fixing of the lenses.

Different types high efficient LEDs are used in HERCULED projectors.
HERCULED is also available in different color temperatures and are also available in RGB with DMX digital control.

Ledil brand lenses with different angels and optical dispersion are used in HERCULED projectors. These lenses provide the optimum efficiency of the light produced by the LEDs.

HERCULED

HERCULED projectors are specifically designed for outdoor lighting applications and are available in a wide range of beam angles. Single colour models are available in white, red, green, blue or amber LED populations. Colour controllable RGB models are also available.

HERCULED / PRO

HCL/PRO

Body:	Injection aluminium
Diffuser:	Shatter-proof, tempered and ground glass with serigraphic printing
Led:	High-Efficient Multi-Power
Lens:	High-Efficient optical material

Protection: IP66

340 mm

340 mm

90 mm

340 mm

LED
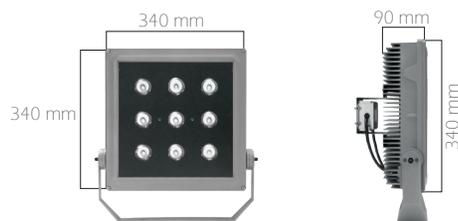
- High quality Multipower LEDs
- Efficient colour mixing RGBW (NW or CW)
- ≥ 50.000hrs economical life as IESNA TM-21
- ENERGY STAR®
- 3-Step MacAdam ellips
- @350mA (R:45.7 lm, G: 87.4 lm, B: 13,9 lm W:80-100 lm

Code	Box Dimension	Weight
HCL/PRO	490x480x190mm	12,100gr

Code	LED Quantities	System Power	Beam Angles	Color Temperature
HCL/PRO 12	12	65 W	21°	RGBW
HCL/PRO 21	21	130 W	21°	RGBW
HCL/PRO 27	27	210 W	21°	RGBW

Luminaire working temperature(driver included) is -35°C ~ +50°C

HERCULED luminaires are available with the option of a DMX-512 digital control input. DMX provides a wide level of flexibility and compatibility and as an industry standard, a vast range of control solutions are available to fit every requirement and application.

DMX Wall Controller
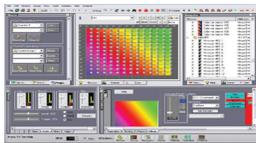
Computer Based Controller

Entertainment Lighting Desk

CABLE
DMX-512 devices are able to receive a digital control signal that connects to multiple luminaires in a single loop-in / loop-out topology using twin screened cable, with a maximum cable distance of 500m under ideal conditions.

TERMINATION
A termination resistor is connected at the end of the line, to eliminate data reflections and ensure a stable DMX signal.

CHANNELS
DMX-512 can carry instructions for individual control of up-to 512 channels of lighting control data or information. A DMX signal of 512 channels is refers to as an DMX universe.

LEVELS
Each DMX channel has 256 (8-bit) dimming levels to control intensity for example.

ADDRESSING
Luminaries are typically uniquely addressed allowing for them controlled individually, however In some applications multiple fixtures can be set to the same address resulting in a group of luminaries that respond identically in a group.

FOOTPRINT
Depending on the type a luminaire may use multiple DMX channels, for example a colour mixing fixture may have a 3 channel DMX footprint, i,e, RED + GREEN + BLUE

BUFFERS / SPLITTERS
For large applications where the DMX signal must be distributed over large areas DMX signal buffers (amplifiers) and splitters can be used. Using a buffer allows for multiple "runs" of the same DMX data

WIRELESS DMX
DMX-512 can be transmitted wirelessly using special radio DMX links, these solutions are idea for crossing open spaces and linking buildings where running cables would be difficult.
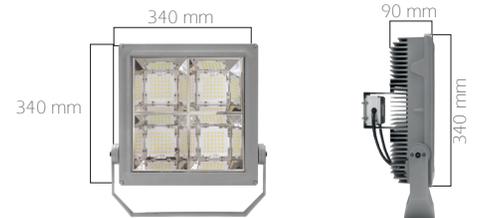
HERCULED / AREA

HCL/ST/S

HCL/ST/AS

Body: Injection aluminium
Diffuser: Shatter-proof, tempered and ground glass
with serigraphic printing
Reflector: Vacuum anodized Micro-Silver aluminium
from Alanod with a reflectivity index of 97%.
Symmetrical and asymmetrical options.
Led: High-Efficient POWER Led
Protection: IP66

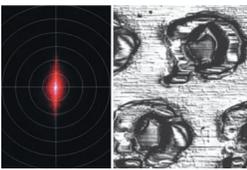Symmetrical 100W

Asymmetrical 100W
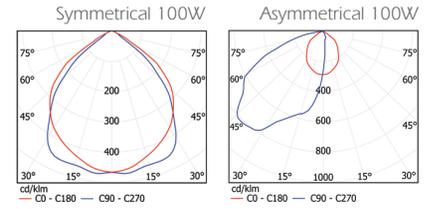
Code	Box Dimension	Weight
HCL/ST/S	440x480x190mm	12.000gr
HCL/ST/AS	440x480x190mm	12.000gr

Code	System Power	System Luminous Flux	Color Temperature
HCL/ST/S 100	100W	13.000lm	3000-4000-5000 K
HCL/ST/S 150	150W	19.500lm	3000-4000-5000 K
HCL/ST/S 200	200W	25.000lm	3000-4000-5000 K
HCL/ST/S 240	240W	30.000lm	3000-4000-5000 K
HCL/ST/AS 100	100W	14.200lm	3000-4000-5000 K
HCL/ST/AS 150	150W	20.600lm	3000-4000-5000 K
HCL/ST/AS 200	200W	26.100lm	3000-4000-5000 K
HCL/ST/AS 250	250W	30.700lm	3000-4000-5000 K

Luminaire working temperature(driver included) is -35°C ~ +50°C

Reflector

MIRO - SILVER 85 / 8510 AG:
- Low diffuse reflection
- Decreasing brightness values
at flat angles

Super reflective oxide-layer system

Purest silver

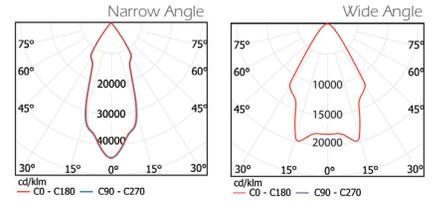Bonding-layer

ALANOD base material

LED

- High quality alumium base COB LEDs
- Different colour temperatures available
- ≥ 50.000hrs economical life as IESNA TM-21
- ENERGY STAR®
- 3-Step MacAdam ellipses
- High colour rendering (70 - 80 - 90%)
- Thermal resistence 0,98°C/W

HERCULED / POWER

HCL/P

Body: Injection aluminium
Diffuser: Shatter-proof, tempered
and ground glass
with serigraphic printing
Led: High-Efficient Multi-Power
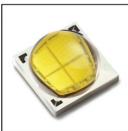Lens: High efficient optical material
Protection: IP66

Narrow Angle

Wide Angle

Lens

Narrow Angle   Wide Angle

LED

■ High quality Multipower LEDs
■ Different colour temperatures available
■ ≥ 50.000hrs economical life as IESNA TM-21
■ High colour rendering (70-80-90%)
■ ENERGY STAR®
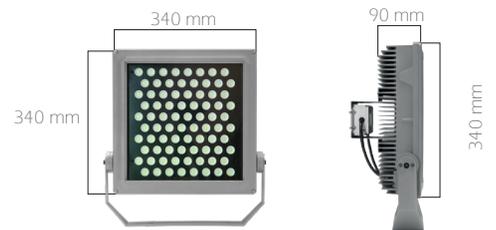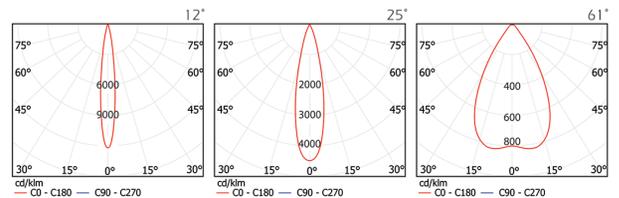■ 3-Step MacAdam ellipses

Code	Box Dimension	Weight
HCL/P	490x480x190mm	12,100gr

Code	System Power	System Luminous Flux	Beam Angles	Color Temperature
HCL/P 200	200W	20.000lm	21° 45, 65°	3000-4000-5000 K
HCL/P 240	240W	25.500lm	21° 45, 65°	3000-4000-5000 K

Luminaire working temperature(driver included) is -35°C ~ +50°C

HERCULED / BASIC

HCL/B

Body: Injection aluminium
Diffuser: Shock-proof, tempered
and ground glass with
serigraphic printing
Led: High-Efficient Power LED
Protection: IP66

Code	Box Dimension	Weight
HCL/B	440x480x190mm	12,000gr

Code	System Power	System Luminous Flux	Lens Angles	Color Temperature
HCL/B 180	180W	18.300lm	12°-25°-61°	3000-4000-5000K-RGB R-G-B-A
HCL/B 240	240W	24.000lm	12°-25°-61°	3000-4000-5000K-R-G-B-A

Luminaire working temperature(driver included) is -35°C ~ +50°C

Lenses with high light transmittance
are made from acrylic. The lens material is polycarbonate.
Available beam angles are 12°, 25° and 61°.

LİTPA

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