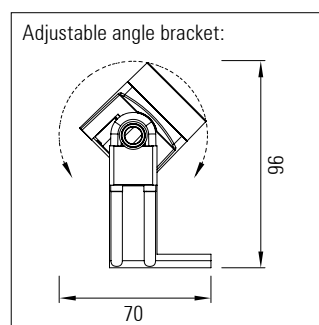
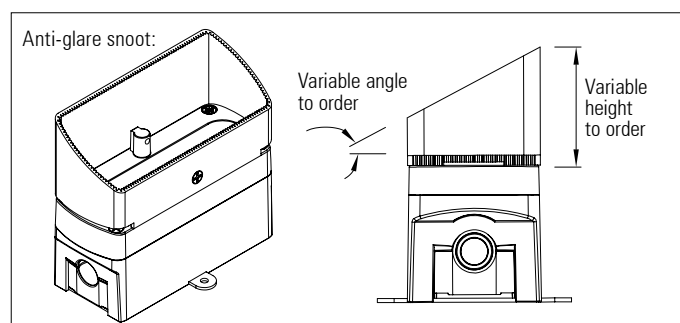
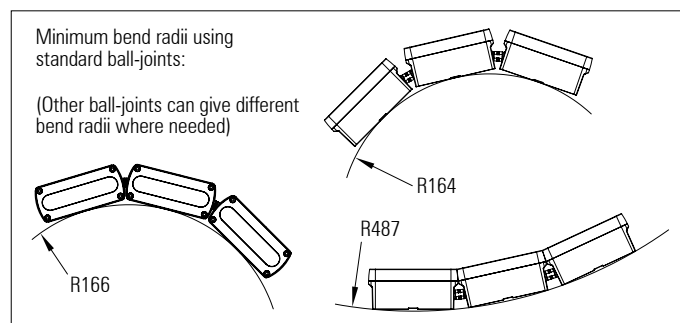
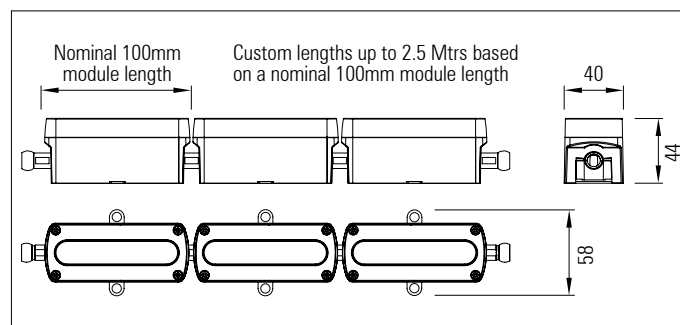


3D LED Flex 40 IP66

2, 3 or 4 x high power LEDs with lenses per module

Modular, 3D flexible LED linear lighting system



Up to 5,000 Lumens per Mtr

2, 3 or 4 x high power LEDs with lenses per module

Modular, 3D flexible LED linear lighting system

Product description:

For use in exterior indirect cove lighting or direct wall washing applications where the building surfaces are non linear with curved profiles

Each module - 2, 3 or 4 x Cree XP-E, XP-G or XQ-E LEDs or Osram Oslon LEDs with Ledil Lisa, Larisa, Tina or Veronica Mini lenses

Up to 4.5 Watts per 100mm module

30 Volt - 48 Volt DC supply depending on application

Flexible in 3 dimensions - Articulated ball-joint system between modules

LED pitch is maintained between the modules

Side, back and end power feed and connector options allow for continuous lighting with no dark areas between fixtures. 17.5 Amp IP68 connectors join fixtures together on-site

Integral LV constant current driver

Dimming options available: 1-10V, DMX and DALI. Separate dimming channel

Various LED colour temperature and CRI options available

Satin black, satin white or any RAL paint colour finish

Custom lengths based on a 100 mm module up to 2.5 Mtrs

Various mounting options and bracket types are available

Low iron UV block glass covers or UV stable polycarbonate windows

* RGB, RGBW, RGBA and Dynamic-white options do not use a colour mixing lens. For a colour mixing lens version see the data sheet for the 3D LED Flex 40 IP66 with 1 x RGBW LED array with colour-blending lens per module

| Product Code | No. of LEDs per mtr. | IP | Length (mm) | LED Type | CRI | Colour Temp. (K) | Optics (°) | Cover | Bracket Type | Feed | Finish |
|----------------------------------|-----------------------------|----|-----------------------------|--------------|-----|------------------|--|-------|--------------|------|----------------|
| RAD 3D LED FLEX 40 IP66 HP - 4 L | 40 LEDs per Mtr: 25mm pitch | 66 | 100mm | Cree: XP-E | 80 | 27=2,700k | N, M, W, E, | Clear | Adjustable | End | Black |
| RAD 3D LED FLEX 40 IP66 HP - 3 L | 30 LEDs per Mtr: 33mm pitch | | -increments of 100mm up to- | XP-G | 90 | 30=3,000k | (See attached Ledil data sheets for details) | | Fixed | Back | White |
| RAD 3D LED FLEX 40 IP66 HP - 2 L | 20 LEDs per Mtr: 50mm pitch | | 2,500mm | XQ-E | | 35=3,500k | Contact Radiant for more options | | Custom | Side | Any RAL-colour |
| | | | | Osram: Oslon | | 40=4,000k | | | | | |
| | | | | | | 45=4,500k | | | | | |
| | | | | | | 50=5,000k | | | | | |
| | | | | | | * RGB | | | | | |
| | | | | | | * RGBW | | | | | |
| | | | | | | * RGBA | | | | | |
| | | | | | | * Dynamic white | | | | | |

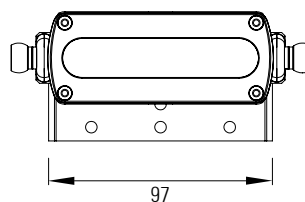
3D LED Flex 40 IP66

2, 3 or 4 x high power LEDs with lenses per module

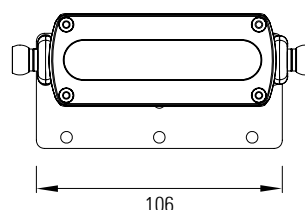
Adjustable angle mounting bracketry



Standard IP66 adjustable angle mounting bracket
Aluminium. Powder coat finish.



Custom height IP66 adjustable angle mounting bracket
Aluminium or stainless steel. Powder coat finish.



Adjustable angle mounting bracketry for 3D LED Flex 40 IP66

The 3D LED Flex 40 system is flexible in 3 dimensions, which allows it to follow curved building contours. Once they have been fixed to the building surface, adjustable angle brackets allow the modules to be rotated around the major axis, so that the light output can be aimed precisely.

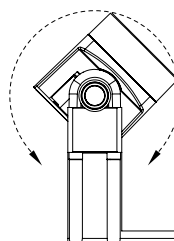
The angle of the modules can be adjusted by hand easily on-site. The friction ball-joint system keeps the modules correctly positioned. There is also a lockable option, which allows each module to be locked in place using an Allen key once it is correctly positioned.

A standard height version and a custom height version are available. Custom options are also available.

The standard height bracket is made from aluminium and the custom-height bracket can be made from either aluminium or stainless steel for more demanding exterior applications.

Both options have a powder coat finish which is available in satin black, satin white or any RAL paint colour finish.

The angle of the modules can be adjusted by hand on-site



| Product code | IP | Finish | Height of legs (mm) |
|--|----|--|--|
| RAD 3D LED FLEX 40 IP66 ADJUSTABLE ANGLE BRACKET STANDARD AL | 66 | Aluminium: Black White Any RAL colour | Custom height version only: 20mm |
| RAD 3D LED FLEX 40 IP66 ADJUSTABLE ANGLE BRACKET CUSTOM HEIGHT SS | | Stainless Steel: Black White Any RAL colour | -increments of 5mm up to- 300mm |

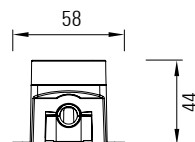
3D LED Flex 40 IP66

2, 3 or 4 x high power LEDs with lenses per module

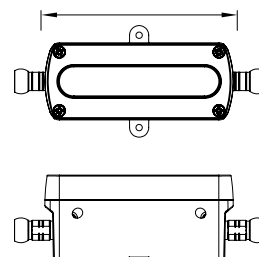
Fixed angle mounting bracketry



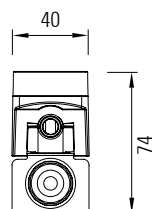
Backplate with direct fixing tabs



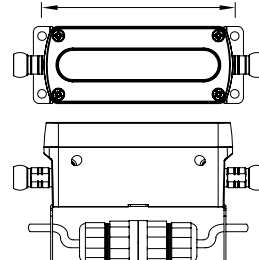
Nominal 100mm module length



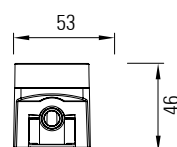
Backplate with mounting foot



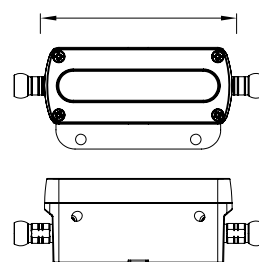
Nominal 100mm module length



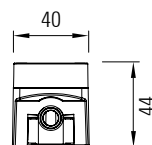
Backplate with side fixing holes



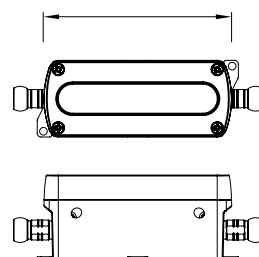
Nominal 100mm module length



Backplate with in-line fixing tabs



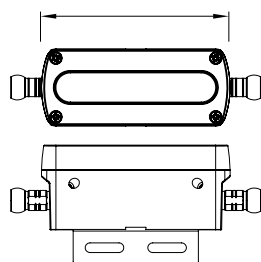
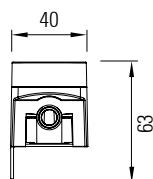
Nominal 100mm module length



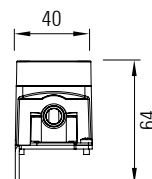
| Product code | IP | Finish |
|--|----|----------------------------------|
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE BRACKET DIRECT FIXING TABS | 66 | Black White Any RAL colour |
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE BRACKET WITH MOUNTING FOOT | | |
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE BRACKET SIDE FIXING | | |
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE BRACKET IN-LINE FIXING | | |
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE L-BRACKET FRONT RELEASE | | |
| RAD 3D LED FLEX 40 IP66 FIXED ANGLE L-BRACKET | | |

L-bracket

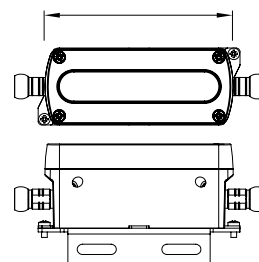
Nominal 100mm module length



L-bracket and front-release backplate for ease of maintenance

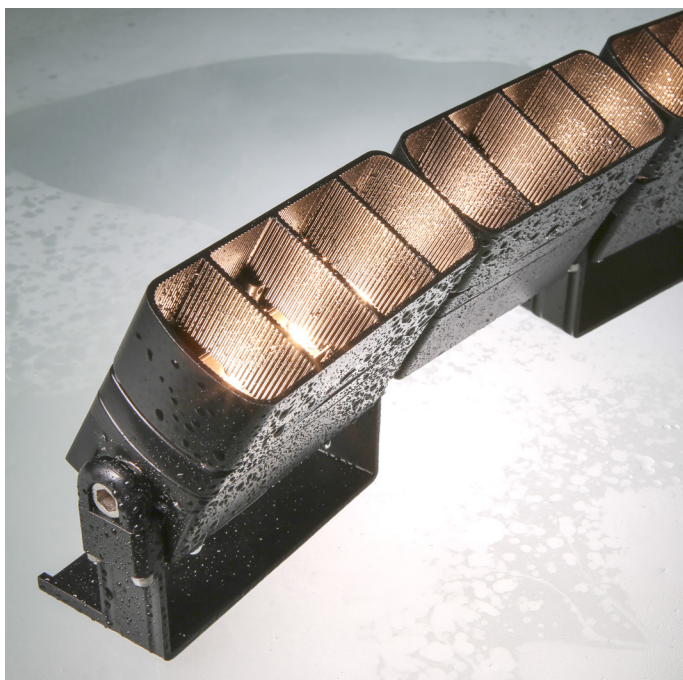


Nominal 100mm module length

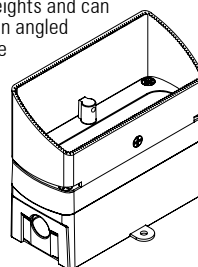


3D LED Flex 40 IP66

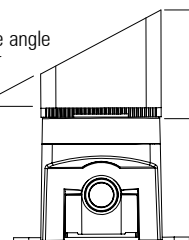
Anti-glare accessories



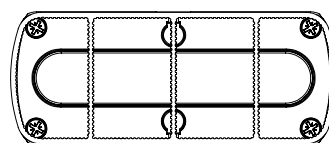
All snoots can be ordered to custom heights and can be given an angled side profile



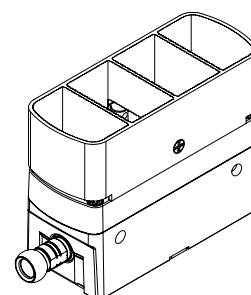
Variable angle to order



Variable height to order



3 blade snoot
Available in one or two colour versions



3D LED FLEX 40 anti-glare accessories

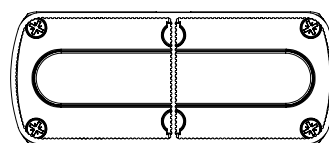
For use with the 3D LED Flex 40 system IP66 to control light glare from the LEDs when the fixtures are not fully recessed

3 blade, 1 blade and no blade snoots are available

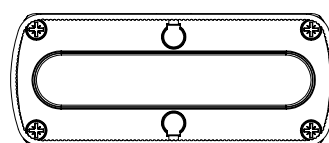
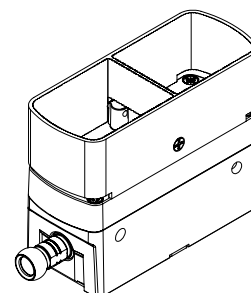
Satin black, satin white or any RAL paint colour finish. Two colour versions are also available - eg. white finish on exterior & black finish on interior of snoot. Both interior and exterior parts can be any RAL colour paint finish, or any anodised finish

Custom height to order

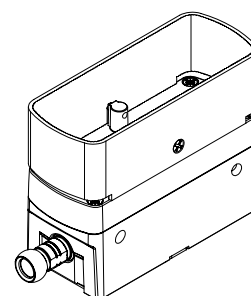
Straight or any custom cut angle side-profile to order



1 blade snoot
Available in one or two colour versions



No blade snoot
Available in one or two colour versions



| Product Code | No. of blades | IP | Height (mm) | Cut angle of side-profile (°) | Finish |
|--------------------------|---------------|----|--|---------------------------------------|---|
| RAD 3D LED FLEX 40 SNOOT | 0 1 3 | 66 | 20mm -increments of 5 mm up to- 100mm | 0° -increments of 5° up to- 75° | Black White Any RAL colour Two colour - both parts can be any anodised or any RAL colour |

3D LED Flex 40 System

Ball-joint types

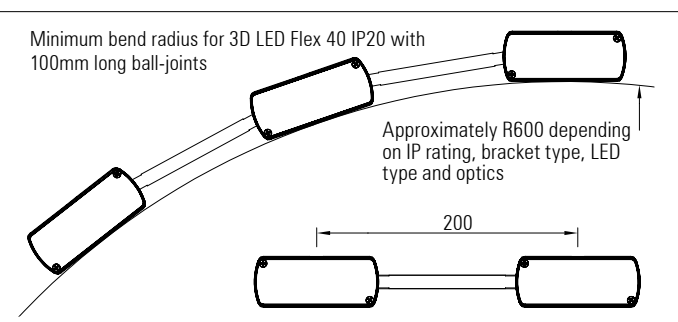
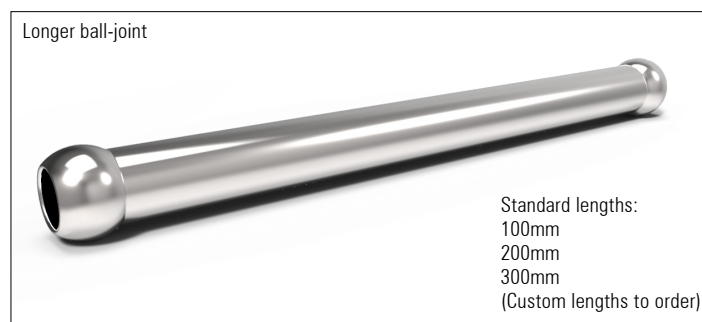
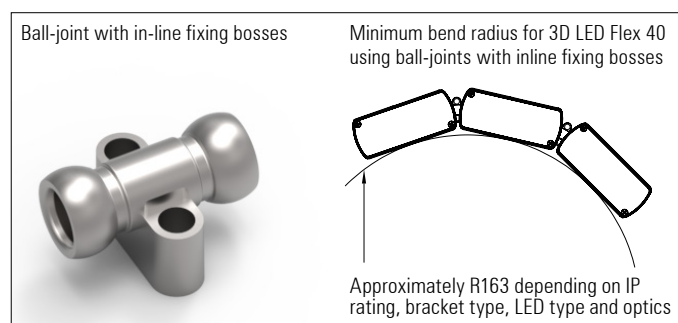
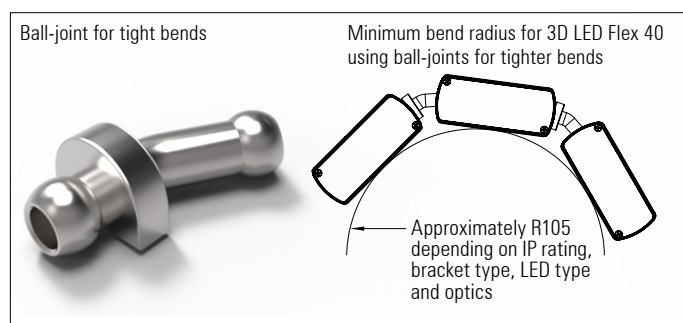
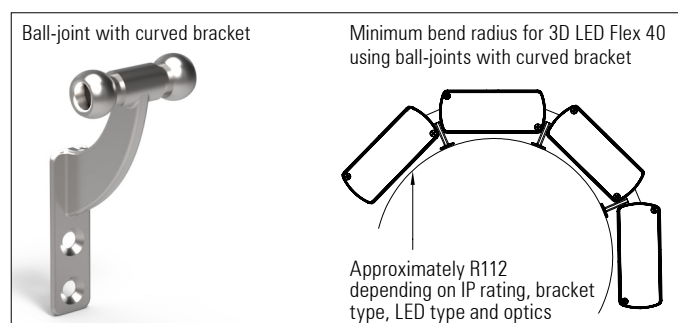
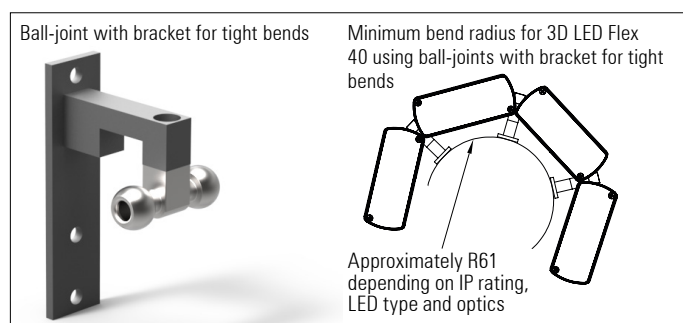
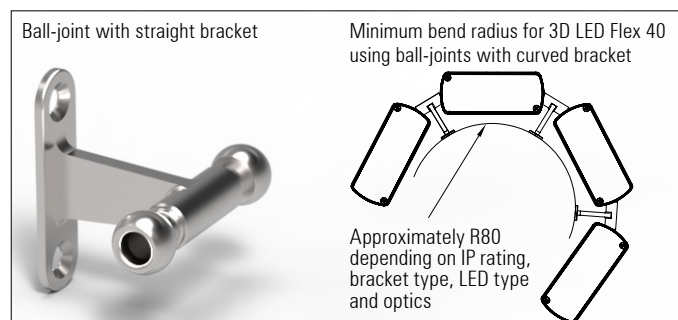
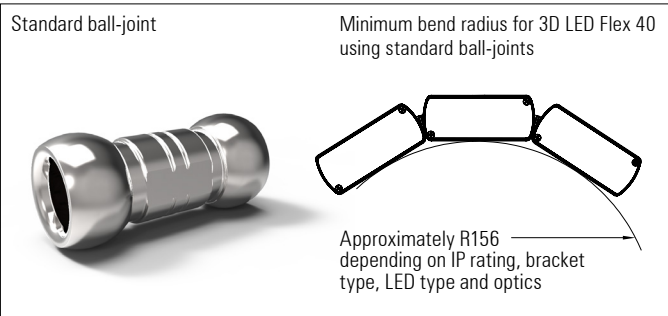
Product description:

Radiant's 3D LED Flex 40 system comprises a patented articulated ball-joint system which links the heatsink modules.

The ball-joints system allows the strips to bend and twist in 3 dimensions, so that they can follow any building contours, whilst maintaining a constant LED pitch.

There are various types of ball-joint to suit different applications, some of which can be seen on this data sheet. Please contact Radiant to discuss custom solutions.

| Product Code | Material | Length (mm) |
|---|---------------------|------------------------------|
| STANDARD BALL-JOINT BALL-JOINT STRAIGHT BRACKET BALL-JOINT BRACKET TIGHT BENDS BALL-JOINT CURVED BRACKET BALL-JOINT TIGHT BENDS BALL-JOINT LONG BALL-JOINT IN LINE FIXING | Nickel-plated brass | (For longer ball-joint only) |
| | | 100mm 200mm 300mm |
| | Stainless steel | Custom lengths |



LARISA-RS-CLIP16

~19° real spot beam. Clip fastening for 1.6 mm thick PCB

TECHNICAL SPECIFICATIONS:

| | |
|-----------------|-----------|
| Dimensions | 9.9 mm |
| Height | 7.5 mm |
| Fastening | clips |
| Colour | black |
| Box size | |
| Box weight | 5.8 kg |
| Quantity in Box | 10000 pcs |
| ROHS compliant | yes ⓘ |



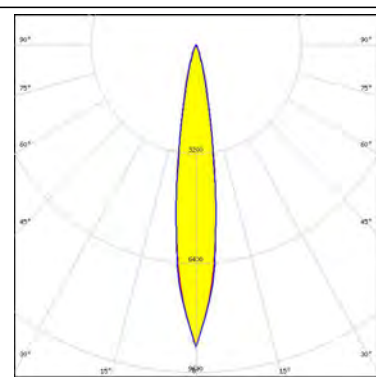
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|----------------------|-------------|----------|--------|
| LARISA-RS | Single lens | PMMA | clear |
| LARISA-HOLDER-CLIP16 | Holder | PC | black |

PHOTOMETRIC DATA (SIMULATED):



LED XP-E
FWHM 15.0°
Efficiency 92 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



LARISA-M-CLIP16

~30° medium beam. Clip fastening for 1.6 mm thick PCB.

TECHNICAL SPECIFICATIONS:

| | |
|-----------------|-----------|
| Dimensions | 9.9 mm |
| Height | 7.5 mm |
| Fastening | clips |
| Colour | black |
| Box size | |
| Box weight | 6.6 kg |
| Quantity in Box | 10000 pcs |
| ROHS compliant | yes ⓘ |



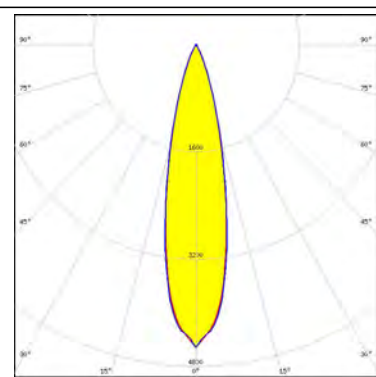
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|----------------------|-------------|----------|--------|
| LARISA-M | Single lens | PMMA | clear |
| LARISA-HOLDER-CLIP16 | Holder | PC | black |

PHOTOMETRIC DATA (SIMULATED):



LED XP-E
FWHM 23.0°
Efficiency 94 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



LARISA-O-CLIP16

~40° x 20° oval beam. Clip fastening for 1.6 mm thick PCB.

TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | 9.9 mm |
| Height | 7.5 mm |
| Fastening | clips |
| Colour | black |
| Box size | 300 x 260 x 260 mm |
| Box weight | 6.6 kg |
| Quantity in Box | 10000 pcs |
| ROHS compliant | yes ⓘ |



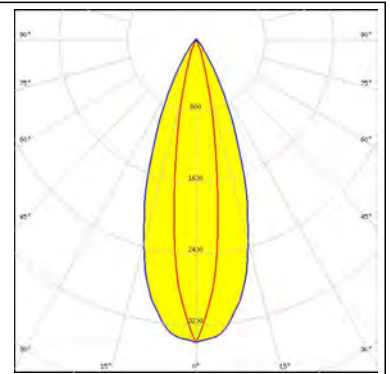
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|----------------------|-------------|----------|--------|
| LARISA-O | Single lens | PMMA | clear |
| LARISA-HOLDER-CLIP16 | Holder | PC | black |

PHOTOMETRIC DATA (SIMULATED):



LED XP-E
FWHM 39.0 + 17.0°
Efficiency 89 %
Peak intensity cd/m
LEDs/each optic 1
Light colour White
Required components:



LARISA-W-CLIP16

~50° wide beam. Clip fastening for 1.6 mm thick PCB

TECHNICAL SPECIFICATIONS:

| | |
|-----------------|-------------|
| Dimensions | 9.9 mm |
| Height | 7.5 mm |
| Fastening | glue, clips |
| Colour | black |
| Box size | |
| Box weight | 6.6 kg |
| Quantity in Box | 10000 pcs |
| ROHS compliant | yes ⓘ |



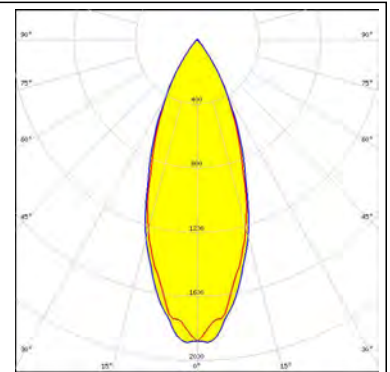
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour |
|----------------------|-------------|----------|--------|
| LARISA-W | Single lens | PMMA | clear |
| LARISA-HOLDER-CLIP16 | Holder | PC | black |

PHOTOMETRIC DATA (SIMULATED):



LED XP-E
FWHM 39.0°
Efficiency 95 %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Oslon SSL 80
FWHM 49.0°
Efficiency 83 %
Peak intensity 1.160 cd/lm
LEDs/each optic 1
Light colour White
Required components:

