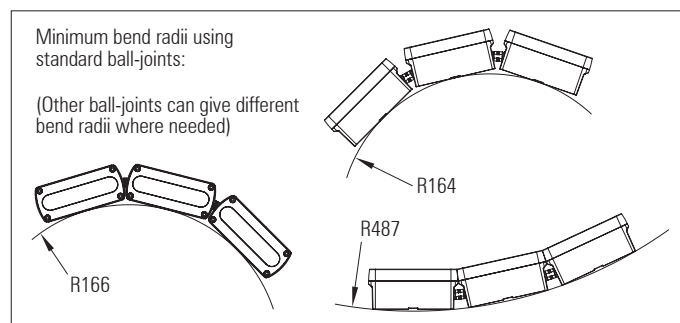
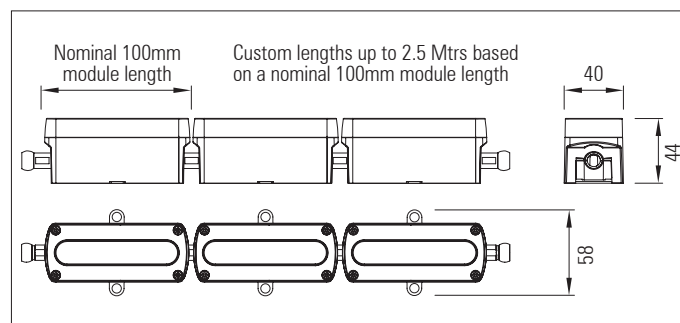


## 3D LED Flex 40 IP66

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

Modular, 3D flexible LED linear lighting system



### 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 Tunable-white options do not use a colour mixing lens. For a colour mixing lens version see the data sheet for 3D Led Flex 40 IP66 with 1 x RGBW LED array with colour-blending lens per module or 1 x Tunable-white LED array with colour-blending lens per module

Up to 5,000 Lumens per Mtr

LED / lens matrix	CREE XP-E		CREE XP-G	
	Lisa2	Larisa	Lisa2	Larisa
Diffused spot (D)	N/A	N/A	N/A	N/A
Real spot (RS)	16 °	15 °	26 °	N/A
Medium (M)	24 °	23 °	34 °	36 °
Wide (W)	37 °	39 °	48 °	N/A
Wide (WW)	42 °	N/A	54 °	N/A
Wide (WWW)	84 °	N/A	86 °	N/A
Elliptical (O)	18+48 °	39+17 °	46+24°	39+25 °

Product Code	No. of LEDs per mtr.	IP	Length (mm)	LED Type	CRI	Colour Temp. (K)	Optics (°)	Feed	Finish
RAD 3D LED FLEX 40 IP66 HP - 4 L	40 LEDs per Mtr: 25mm pitch	66	100mm	Cree: XP-E	70	22=2,200k	Ledil: Lisa2 Larisa  (See LED / lens matrix for details)	End Back Side	Black White Any RAL colour
RAD 3D LED FLEX 40 IP66 HP - 3 L	30 LEDs per Mtr: 33mm pitch		-increments of 100mm up to-	XP-G	80	27=2,700k			
				XQ-E	90	30=3,000k			
					97	35=3,500k			
						40=4,000k			
RAD 3D LED FLEX 40 IP66 HP - 2 L	20 LEDs per Mtr: 50mm pitch		2,500mm	Osram: Oslon		45=4,500k			
						50=5,000k			
						* RGB			
						* RGBW			
						* RGBA			
						* Dynamic white			

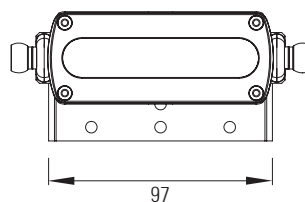
## 3D LED Flex 40 IP66

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

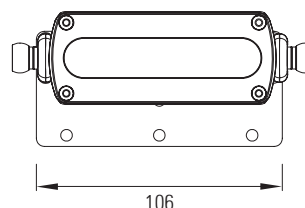
Adjustable angle mounting bracketry



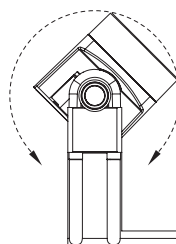
Standard IP66 adjustable angle mounting bracket  
Aluminium. Powder coat finish.



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



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



### 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.

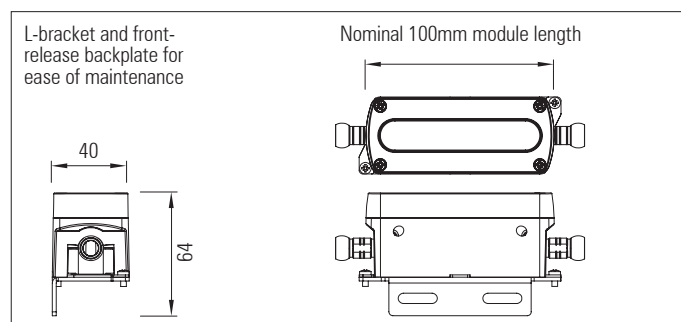
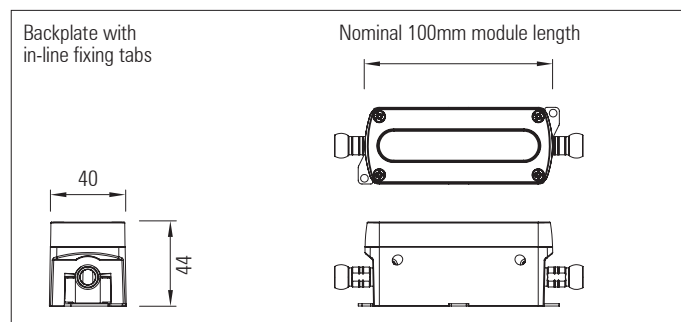
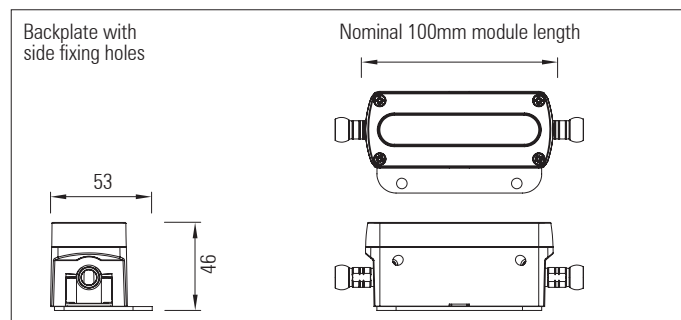
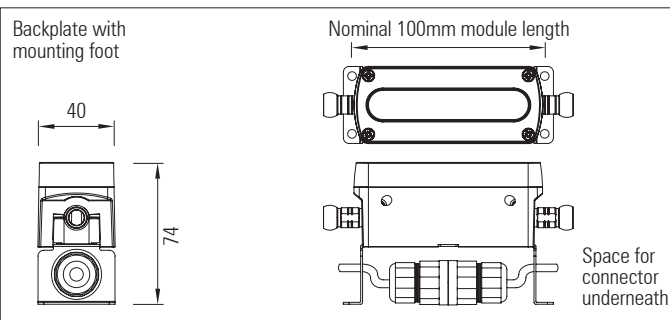
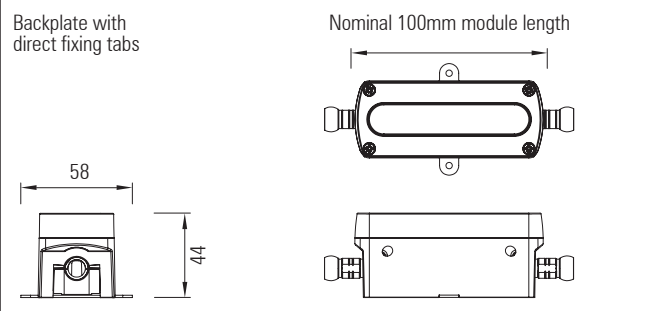
Both options have a powder coat finish which is available in satin black, satin white or any RAL paint colour finish.

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

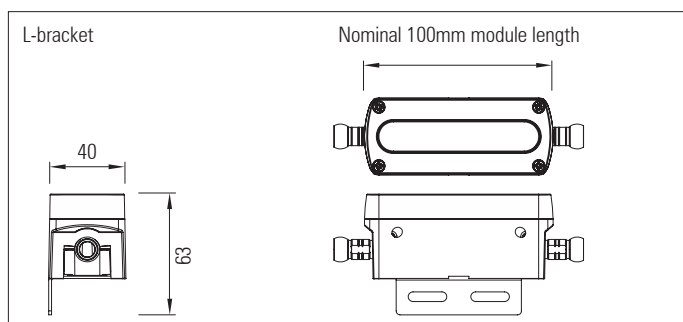
## 3D LED Flex 40 IP66

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

Fixed angle mounting bracketry



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		

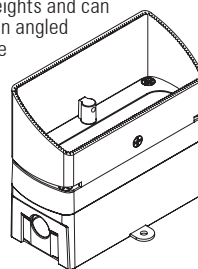


## 3D LED Flex 40 IP66

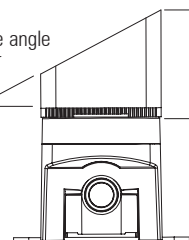
Anti-glare accessories



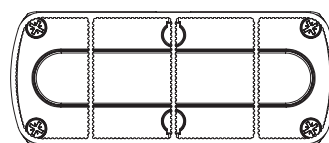
All snoots can be ordered to custom heights and can be given an angled side profile



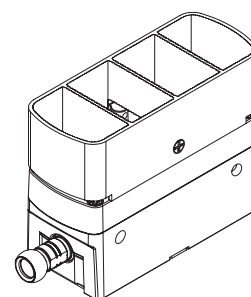
Variable angle to order



Variable height to order



3 blade snoot  
Available in one or two colour versions



### 3D LED FLEX 40 anti-glare accessories

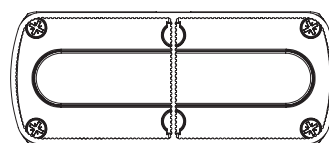
For use with the 3D LED Flex 40 system IP66 to control light glare from the LEDs when the fixtures are not fully recessed

3 blade, 1 blade and no blade snoots are available

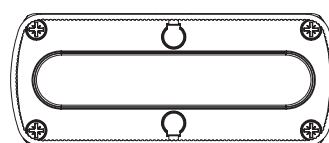
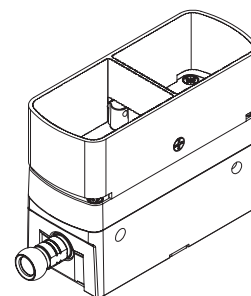
Satin black, satin white or any RAL paint colour finish. Two colour versions are also available - eg. white finish on exterior & black finish on interior of snoot. Both interior and exterior parts can be any RAL colour paint finish, or any anodised finish

Custom height to order

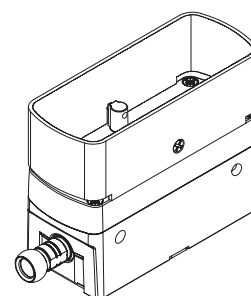
Straight or any custom cut angle side-profile to order



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

Standard ball-joint



Minimum bend radius for 3D LED Flex 40 using standard ball-joints

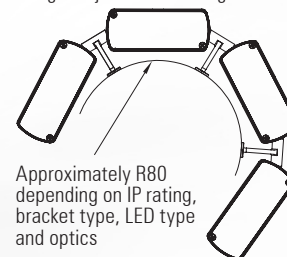


Approximately R156 depending on IP rating, bracket type, LED type and optics

Ball-joint with straight bracket



Minimum bend radius for 3D LED Flex 40 using ball-joints with straight bracket

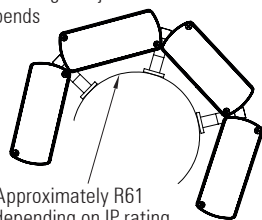


Approximately R80 depending on IP rating, bracket type, LED type and optics

Ball-joint with bracket for tight bends



Minimum bend radius for 3D LED Flex 40 using ball-joints with bracket for tight bends

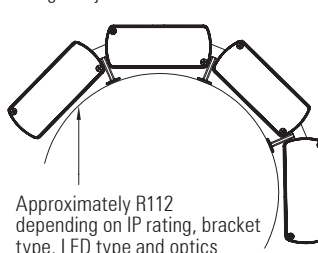


Approximately R61 depending on IP rating, LED type and optics

Ball-joint with curved bracket



Minimum bend radius for 3D LED Flex 40 using ball-joints with curved bracket



Approximately R112 depending on IP rating, bracket type, LED type and optics

Ball-joint for tight bends



Minimum bend radius for 3D LED Flex 40 using ball-joints for tighter bends

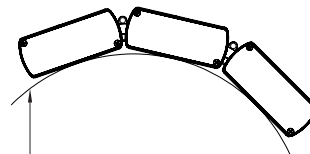


Approximately R105 depending on IP rating, bracket type, LED type and optics

Ball-joint with in-line fixing bosses

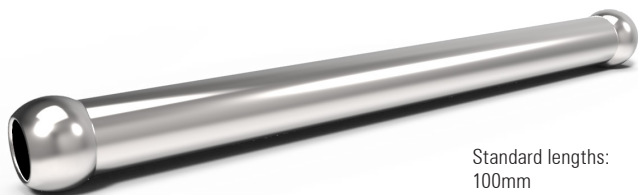


Minimum bend radius for 3D LED Flex 40 using ball-joints with inline fixing bosses



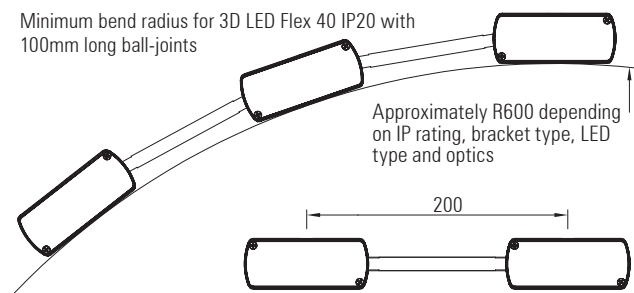
Approximately R163 depending on IP rating, bracket type, LED type and optics

Longer ball-joint



Standard lengths:  
100mm  
200mm  
300mm  
(Custom lengths to order)

Minimum bend radius for 3D LED Flex 40 IP20 with 100mm long ball-joints



Approximately R600 depending on IP rating, bracket type, LED type and optics