

# Shard Undercabinet

Linear Lighting System



RADIANT



# Shard Undercabinet

## Linear lighting system

The Shard linear lighting system has been developed for use in the apartments of the iconic Shard building in London.

The system incorporates either 1.2 Watt Nichia LEDs or medium power LEDs and a wide variety of colour temperatures are available with a CRI of up to 95.

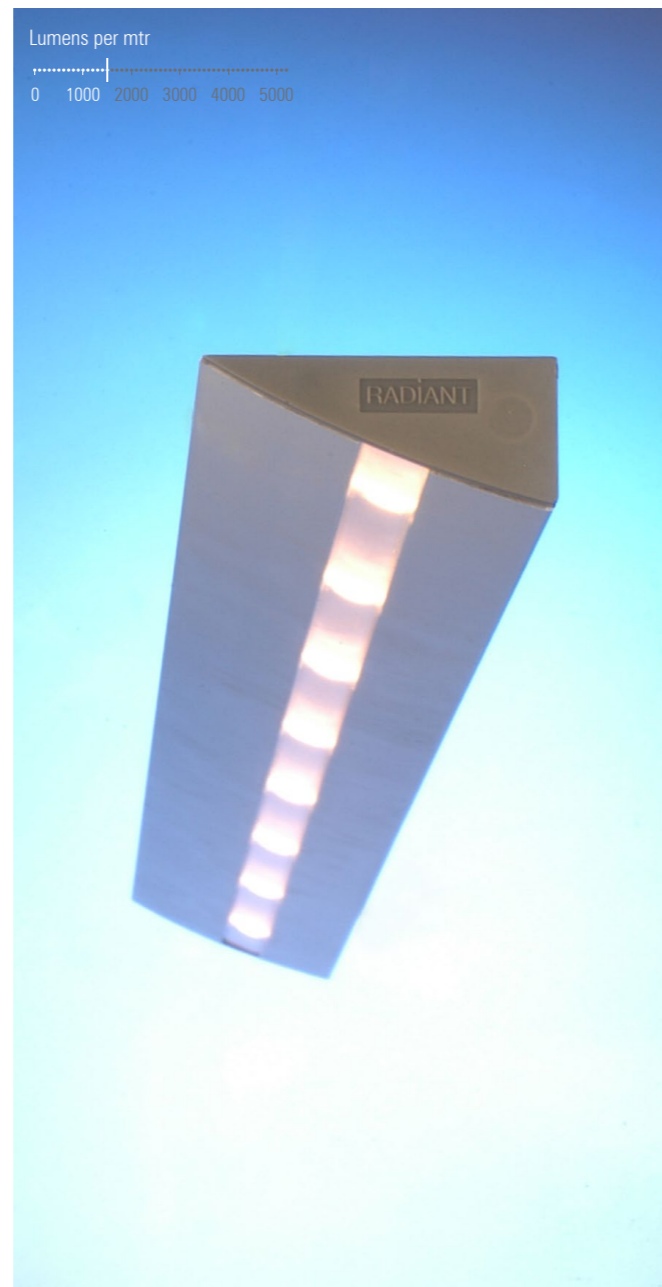
A linear prismatic controller gives a wide distribution for use in a wide variety of undercabinet and furniture lighting applications.

LV constant current drivers within the extruded section run the LEDs and all dimming systems can be used via the appropriate Radiant interface modules.

The system can be made in any length up to 2.5 mtrs based on a module of 150mm for the Nichia NS6 LED version.

Medium power LED versions can be produced in custom lengths with a cutting module of 25mm.

The system runs at up to 17 Watts per mtr and provides up to 1,200 lumens per mtr depending on LED colour temperature.



**Shard integral driver**  
13 x 1.2 W Nichia NS6 LEDs per mtr  
RAD Shard NS3 ID

300mm - add 300	2700K - add 27K
600mm - add 600	3500K - add 35K
900mm - add 900	5500K - add 55K
1200mm - add 1200	

Integral LV constant current driver dims to 15% with remote 1 - 10V, DALI or DMX interface. Requires remote 30V - 48V DC power supply. Silver anodized standard finish or any RAL colour powder coat to order.



**Shard remote driver**  
13 x 1.2 W Nichia NS6 LEDs per mtr  
RAD Shard NS3 RD

300mm - add 300	2700K - add 27K
600mm - add 600	3500K - add 35K
900mm - add 900	5500K - add 55K
1200mm - add 1200	

Remote constant current driver can dim down to 1%. Maximum 16 LEDs per driver. Silver anodized standard finish or any RAL colour powder coat to order.



**Shard integral driver**  
9 mm pitch x 0.15 W LEDs per mtr  
RAD Shard N02 ID

275mm - add 275	2700K - add 27K
550mm - add 550	3500K - add 35K
800mm - add 800	5500K - add 55K
1075mm - add 1075	

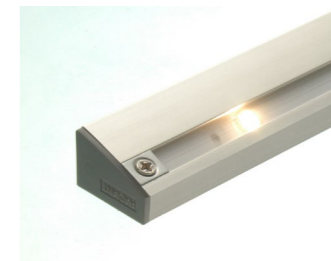
Integral 24 V DC constant current driver dims to 15% with remote 1 - 10V, DALI or DMX interface. Requires remote 24 V DC power supply. Silver anodized standard finish or any RAL colour powder coat to order.



**Shard 30 integral driver**  
13 x 1.2 W Nichia NS6 LEDs per mtr  
RAD Shard 30 NS3 ID

300mm - add 300	2700K - add 27K
600mm - add 600	3500K - add 35K
900mm - add 900	5500K - add 55K
1200mm - add 1200	

Integral LV constant current driver dims to 15% with remote 1 - 10V, DALI or DMX interface. Requires remote 30V - 48V DC power supply. Silver anodized standard finish or any RAL colour powder coat to order.



**Shard 30 remote driver**  
13 x 1.2 W Nichia NS6 LEDs per mtr  
RAD Shard 30 NS3 RD

300mm - add 300	2700K - add 27K
600mm - add 600	3500K - add 35K
900mm - add 900	5500K - add 55K
1200mm - add 1200	

Remote constant current driver can dim down to 5% with trailing edge wall dimmer. Maximum 16 LEDs per driver. Silver anodized standard finish or any RAL colour powder coat to order.



**Shard 30 integral driver**  
9 mm pitch x 0.15 W LEDs per mtr  
RAD Shard 30 N02 ID

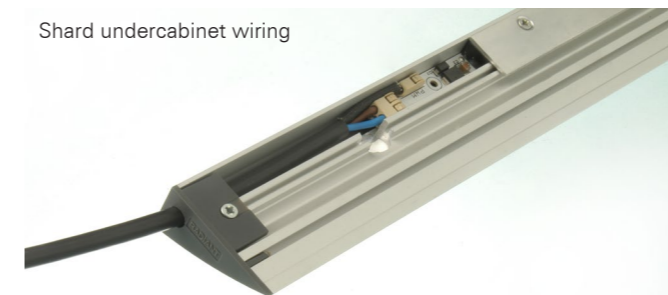
275mm - add 275	2700K - add 27K
550mm - add 550	3500K - add 35K
800mm - add 800	5500K - add 55K
1075mm - add 1075	

Integral 24 V DC constant current driver dims to 15% with remote 1 - 10V, DALI or DMX interface. Requires remote 30 V DC power supply. Silver anodized standard finish or any RAL colour powder coat to order.

Shard undercabinet continuous LED pitch across modules



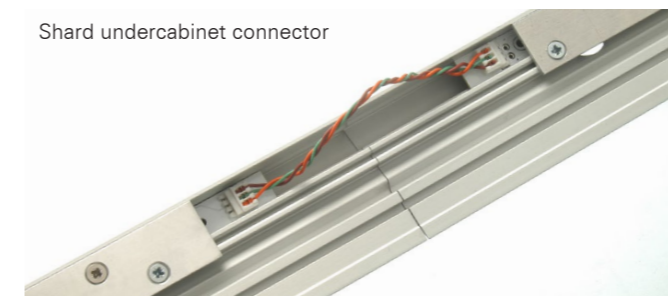
Shard undercabinet wiring



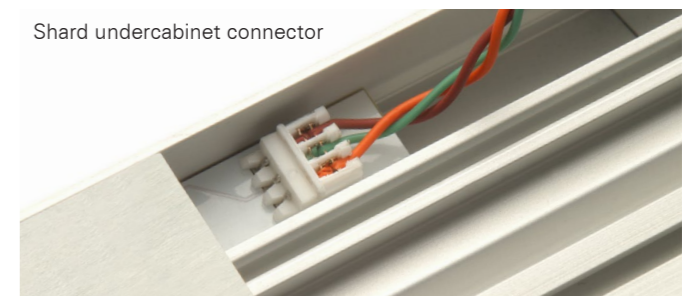
Shard undercabinet wiring

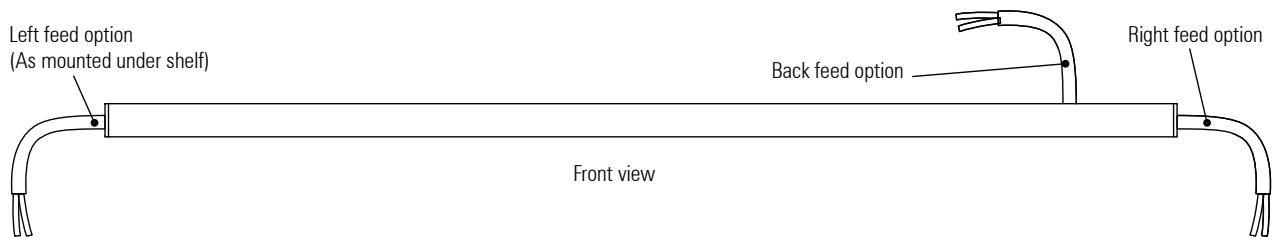


Shard undercabinet connector

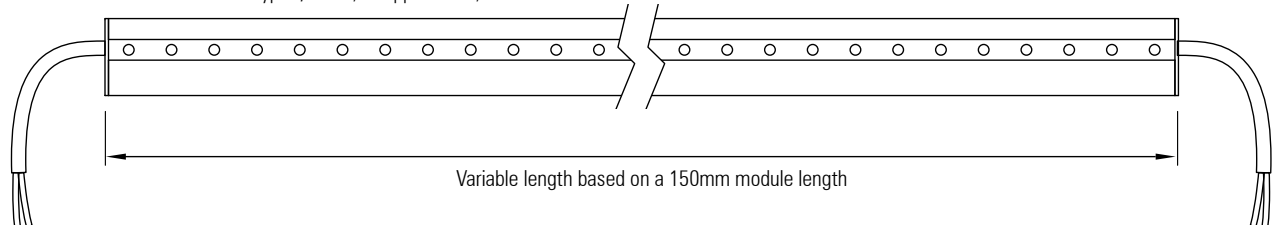


Shard undercabinet connector

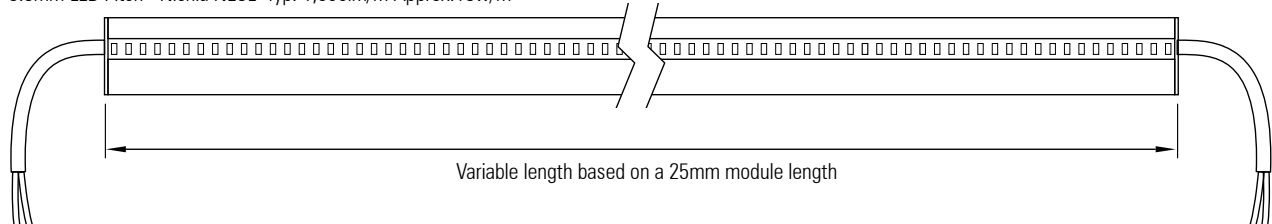




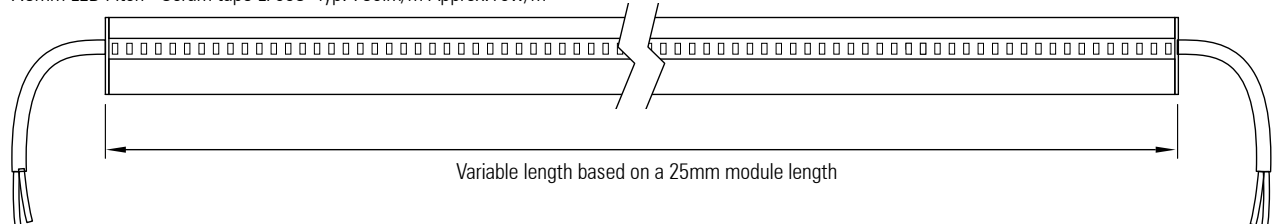
75mm LED Pitch - Nichia NS6 Typ. 1,100lm/m Approx.13w/m



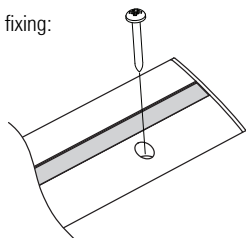
8.5mm LED Pitch - Nichia NESL Typ. 1,600lm/m Approx.18w/m



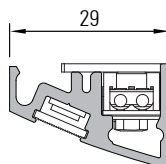
7.5mm LED Pitch - Osram tape LF06S Typ. 750lm/m Approx.10w/m



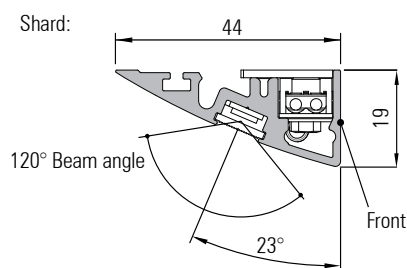
Screw fixing:



Shard 30:



Shard:



Create an order-code by selecting one option from each column in the table below.  
eg. SHARD . IP44 . 200mm . 13 . 40K . CRI 80 . E . Adjustable . Clear . End . Black .

Product Code	IP	Length (mm)	No. of LEDs per mtr.	Colour Temp. (K)	CRI	Optics	Fixing	Feed	Finish
SHARD	20	200mm to 1800mm	1 watt LEDs:	27 =2,700K	80	120°	Direct fixing	End Side Back	Black White Any RAL colour Anodized Plated Polished Satin
SHARD 30	44	Increments of 150mm	13 (=25mm) 26 (=32.5mm) 0.3 watt LEDs: 100 (=10mm) 200 (=5mm) (LED spacing in mm)	30 =3,000k 35 =3,500k 40 =4,000k 45 =4,500k 50 =5,000k RGBW RGBA RGB Dynamic white	90				

Radiant Architectural Lighting  
10 Broadbent Close  
20 - 22 Highgate High Street  
London N6 5JW  
ENGLAND UK

T: + 44 ( 0 ) 20 8348 9003  
F: + 44 ( 0 ) 20 8348 6478  
E: david@radiantlights.co.uk  
www.radiantlights.co.uk

Products and literature designed by  
**DAVID MORGAN ASSOCIATES**  
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