



# STARFLOOD

FORM MEETS FUNCTION





**WARNING**  
HIGH VOLTAGE  
ISOLATE BEFORE REMOVING



## STARFLOOD

COMPACT AND STYLISH FLOODLIGHT WITH  
PRECISE OPTICAL CONTROL FOR BOTH UPLIGHTING  
AND DOWNLIGHTING APPLICATIONS

The Starflood is an extremely versatile, precision engineered floodlight suitable for a variety of functions from traditional floodlighting to illuminating signs and building facades.

A single, versatile mounting bracket, suitable for all wall, floor or pole top mounting scenarios, is supplied with the luminaire.

The sophisticated die cast aluminium body is fitted with a UV stabilised polycarbonate cover providing mechanical protection for the LEDs.

In house manufactured circuit boards combined with precise acrylic lenses and the latest high performance LEDs ensure excellent efficiency (up to 109.1 lumens per circuit watt) and longevity (up to 100,000 hours).



# STRIKING ELEGANCE







# DESIGNED TO PERFORM



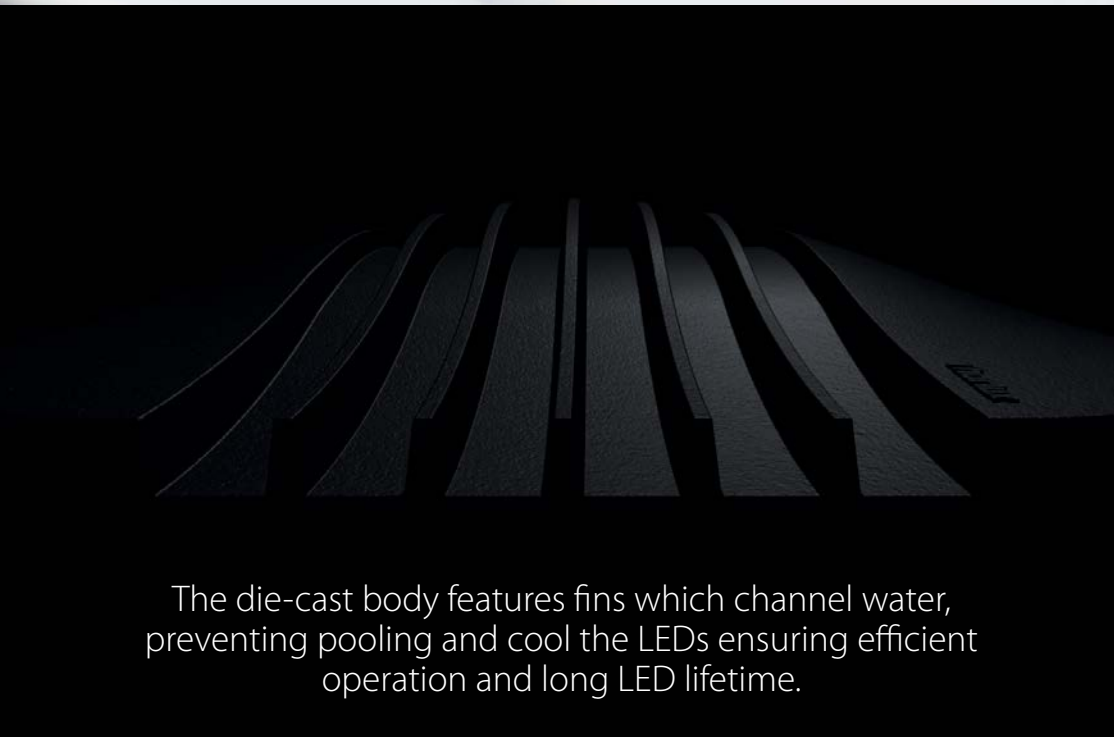
As standard, the Thorlux designed and manufactured LED circuit boards contain over-voltage protection diodes and individual LED protection so that if a single LED, or solder joint fails, other LEDs will continue to operate. The LED circuit board is separate from the high power factor control gear; both units are fully replaceable, increasing the service life of the luminaire.



Individual sophisticated acrylic lenses direct the light where it is needed for increased uniformity.



The IP66 enclosure excludes water, dust and insects helping to maintain optical efficiency.



The die-cast body features fins which channel water, preventing pooling and cool the LEDs ensuring efficient operation and long LED lifetime.



Starflood is fitted with a UV stabilised polycarbonate cover with mechanical protection at IK10, providing a robust luminaire.



# IMPRESSIVE VERSATILITY





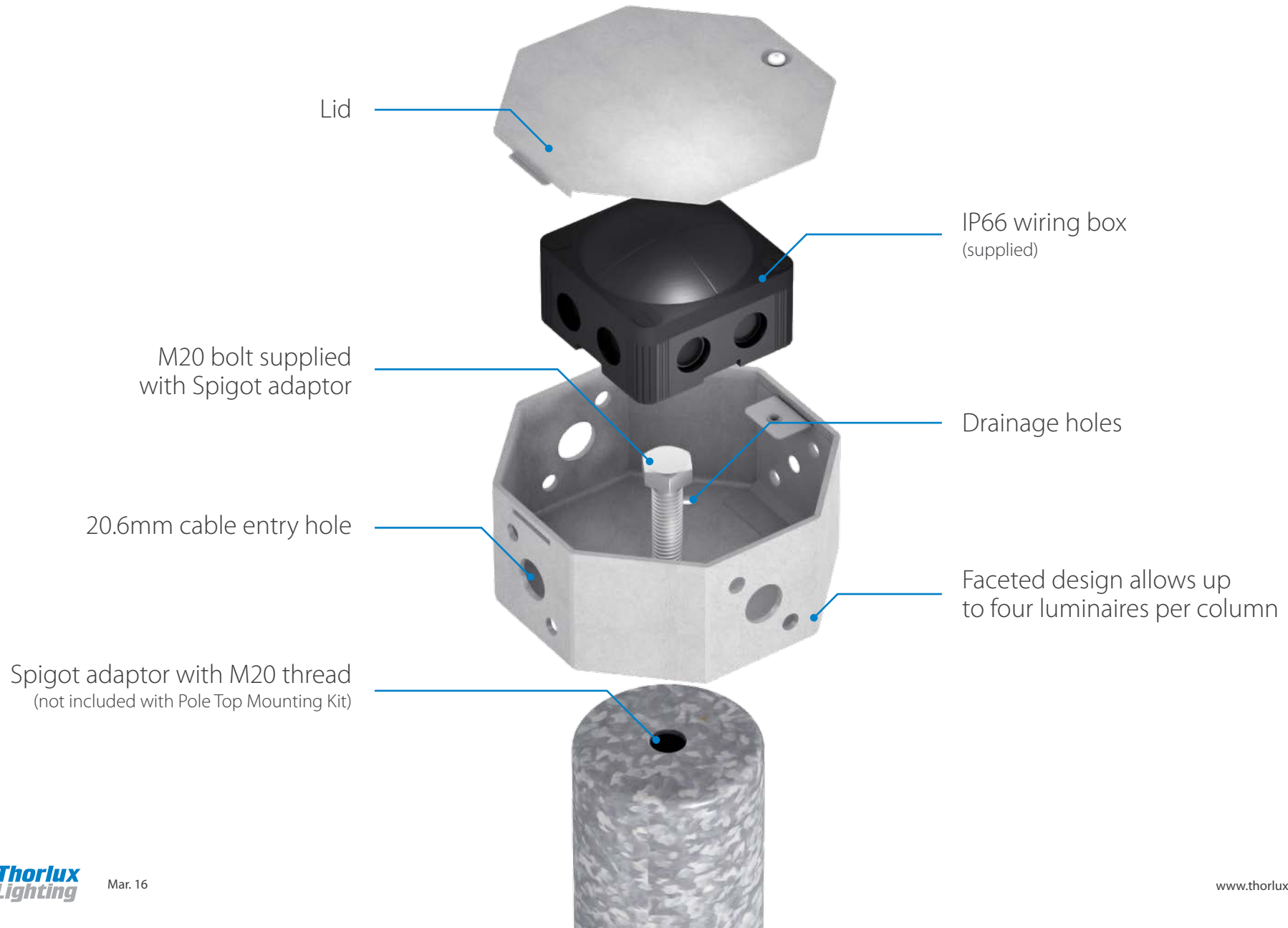
The Starflood range offers a lighting solution for a wide variety of applications from general areas and building facades to landscape lighting of gardens and parks. Precisely controlled LEDs prevent light pollution, spillage or glare.



The unique pole top mounting unit contains an IP66 wiring box for simple installation and is supplied as standard, with pre-drilled fixing holes for up to four luminaires.



# POLE TOP MOUNTING KIT





# INTELLIGENT SMART CONTROL

## SmartTR<sup>iii</sup>

### WIRELESS LIGHTING CONTROL SYSTEM

The Thorlux Smart System exploits the latest 'Digital Technology' to provide a simple, effective method of lighting control which minimises energy consumption whilst retaining high levels of user comfort.

A discrete sensor integral to the luminaire monitors ambient light and presence, controlling output to the correct level, and ensuring that the area is only illuminated when occupied.

Individual Thorlux Smart luminaires may be linked using a 'Motionline' two wire low voltage bus allowing luminaires to communicate within a group. Smart TR now provides the option of full wireless Motionline control between Smart luminaires eliminating the need for additional cabling.

Savings by the installation of automatic lighting control systems often exceed 70%.

[www.thorlux.com/smart-tr](http://www.thorlux.com/smart-tr)



#### MOVEMENT DETECTION

Presence sensors in all luminaires ensure excellent detection coverage, so that Smart luminaires switch on when movement is detected and stay on whilst the area is occupied.



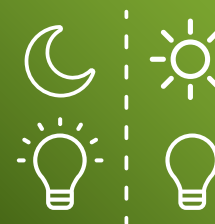
#### WIRELESS MOTIONLINE

If any single luminaire detects movement all connected luminaires within the group will illuminate. The Motionline ensures that there will always be a well-lit safe environment.



#### MESH NETWORK

Data can be transmitted from one device to another ensuring high signal reliability.



#### AMBIENT LIGHT CONTROL

The Smart External Sensor incorporates an ambient light sensor which will enable at dusk and disable at dawn. The luminaire will remain off until movement is detected.



#### PROGRAMMING

A range of parameters can be programmed to enable the lighting system to match specific application requirements.



#### GOOD CONNECTIVITY

Software uses simple wait before transmit logic to ensure error free transmissions.

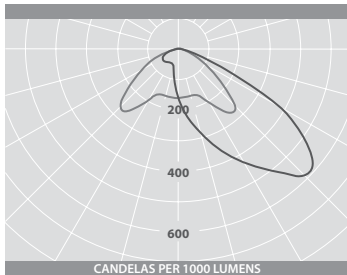
The first luminaire detects movement

A wireless Motionline signal is sent between luminaires

All luminaires within the group turn on



## PHOTOMETRIC GUIDE



**LED**  
 Luminaire Lumen Output:  
 20W = 2510lm  
 34W = 4050lm  
 42W = 4780lm

## PERFORMANCE GUIDE

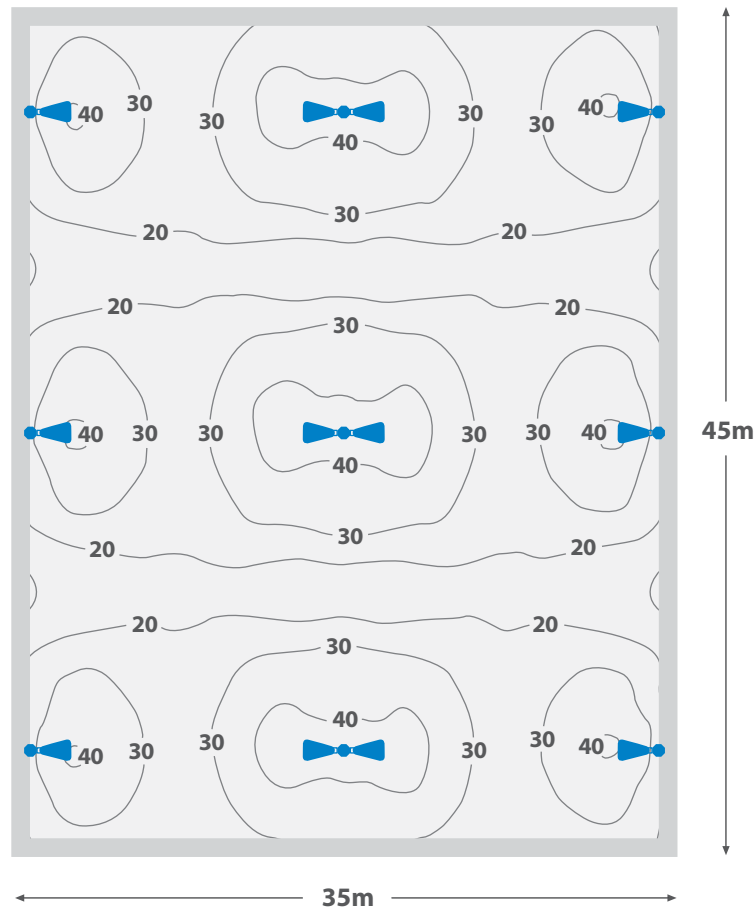
### 20W LED

SPACING	AVERAGE ILLUMINANCE	UNIFORMITY (min/av)
<b>4m mounting height - 6m forward throw</b>		
8m ctrs	36 lux	0.45
10m ctrs	29 lux	0.47
12m ctrs	24 lux	0.34
14m ctrs	21 lux	0.22
<b>5m mounting height - 8m forward throw</b>		
8m ctrs	28 lux	0.41
10m ctrs	22 lux	0.39
12m ctrs	18 lux	0.41
14m ctrs	16 lux	0.31
<b>6m mounting height - 10m forward throw</b>		
8m ctrs	22 lux	0.38
10m ctrs	18 lux	0.37
12m ctrs	15 lux	0.36
14m ctrs	13 lux	0.29

FIGURES ARE BASED ON INITIAL LUMENS

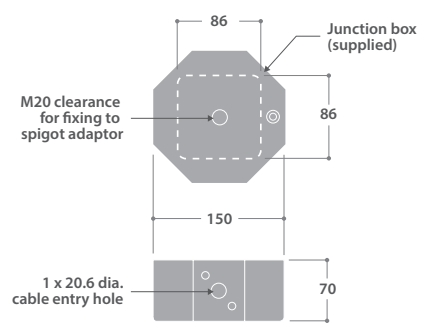
## TYPICAL SPACING GUIDE

42W LED / 6m mounting height / 17.5 x 17.5m spacing -  
 Average illuminance = 28 lux / Uniformity = 0.31

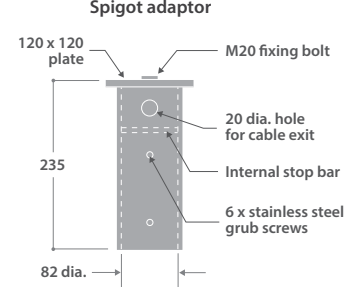


## MOUNTING OPTIONS

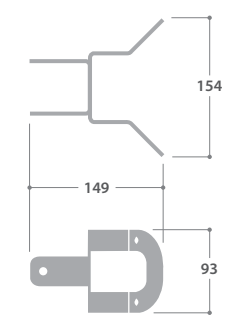
**Pole top mounting kit**



**Spigot adaptor**



**Corner mounting bracket**



DESCRIPTION	CAT. No	APPROX. kg
Pole top mounting kit finished silver	<b>STF 17330SV3</b>	1.4
Pole top mounting kit finished graphite	<b>STF 17330G2</b>	1.4
Corner mounting bracket finished graphite	<b>STF 17329G2</b>	0.5
Galvanised spigot adaptor for 76 dia. shaft	<b>POT-89</b>	2.9

## HIGH PERFORMANCE MINI LED FLOODLIGHTS



WINDAGE - 0.06m<sup>2</sup>

### SPECIFICATION

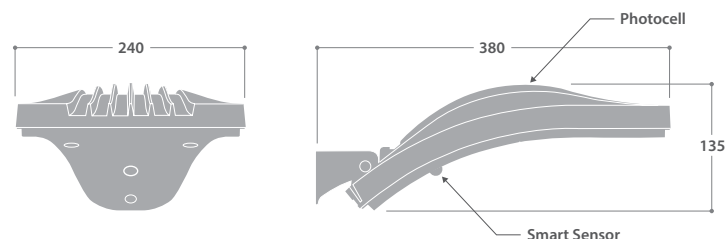
- Graphite full polyester powder finish. Silver option RAL9006
- Strong die-cast LM6M aluminium body
- Highly impact resistant polycarbonate cover and acrylic high efficiency LED lenses
- Optional photocell control
- Smart External versions with intelligent lighting control for use up to 6 metres mounting height
- Wireless Smart TR versions remove the need for control cabling. Ideal for retro-fit solutions
- Fitted with 5700K LEDs as standard

### LED CHARACTERISTICS

Ra	°K	L70/B10	LL/CW	
70	5700	100K	109.1	
P/U	%	R/Rx	PF	
P	>85	R	0.95	

For LED characteristics explanation see [www.thorlux.com/led-characteristics](http://www.thorlux.com/led-characteristics)

## DIMENSIONS



## COLOUR OPTIONS



Graphite

Silver

## RANGE

	LED	CAT. No.	APPROX. kg	CIRCUIT
SMART EXTERNAL	20W	STF 17410	2.3	D/TR
	34W	STF 17411	2.3	D/TR
STANDARD	20W	STF 17413L	2.2	
	34W	STF 17414L	2.2	
	42W	STF 17415L	2.2	

CIRCUIT TYPE - suffix catalogue number with:

**SMART** D - Smart External / TR - Smart TR (Smart with wireless transceiver)

**STANDARD** L - non-dimming (LED) e.g. **STF 17410D** etc.

**SILVER OPTION** - add suffix **SV3** e.g. **STF 17410DSV3** etc.

**NOTE** - Smart version not suitable for uplighting applications

## OPTIONS

DESCRIPTION	SUFFIX	EXAMPLE
Photocell	PC	STF 17413LPCSV3



Designers, manufacturers and suppliers  
of professional lighting systems

INDUSTRIAL LUMINAIRES  
COMMERCIAL LUMINAIRES  
FLOODLIGHTING LUMINAIRES  
ARCHITECTURAL LUMINAIRES  
HEALTHCARE LUMINAIRES  
HAZARDOUS AREA LUMINAIRES  
CONTROLS AND SYSTEMS

A DIVISION OF F.W. THORPE PLC

**Thorlux Carbon Offsetting Project:**  
[www.thorlux.com/trees](http://www.thorlux.com/trees)

The information given in this catalogue is typical and must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.

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