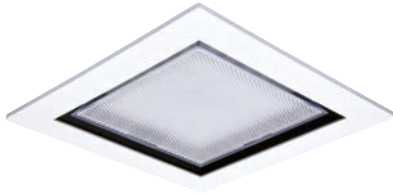


## RANGE



Plain (polycarbonate cover)



Halo



IK10 Polycarbonate Cover

	LED	CORRIDOR VERSION	GENERAL AREA VERSION	LOW GLARE VERSION	APPROX. kg	CIRCUIT
PLAIN	22W	<b>GF 19140</b>	<b>GF 19143</b>	<b>GF 19146</b>	2.5	D/SS
		11W 22W	<b>GF 19141</b> <b>GF 19142</b>	<b>GF 19144</b> <b>GF 19145</b>	<b>GF 19147</b> <b>GF 19148</b>	2.4 2.4
HALO	22W	<b>GF 19149</b>	<b>GF 19152</b>	<b>GF 19155</b>	2.7	D/SS
		11W 22W	<b>GF 19150</b> <b>GF 19151</b>	<b>GF 19153</b> <b>GF 19154</b>	<b>GF 19156</b> <b>GF 19157</b>	2.6 2.6
IK10 POLYCARBONATE	11W 22W	<b>GF 19159</b>	<b>GF 19162</b>	<b>GF 19165</b>	2.6	L/A
		<b>GF 19160</b>	<b>GF 19163</b>	<b>GF 19166</b>	2.6	L/A

CIRCUIT TYPE - suffix catalogue number with:

**SMART**

**D** - Smart / **SS** - SmartScan

**STANDARD**

**L** - non-dimming (LED) / **A** - dimming (DALI) e.g. **GF 19140SS** etc.

EMERGENCY VERSION - prefix catalogue number with:

**EGF** - Emergency ] (Not available when selecting the 'SS' suffix)

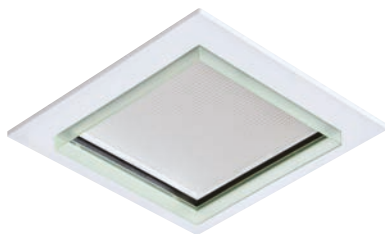
**TGF** - AutoTest

**WGF** - SmartScan (Only available when selecting the 'SS' suffix)

e.g. **WGF 19140SS** etc.

Add 0.3kg to weights listed.

## ACCESSORIES



Light green tinted trim

DESCRIPTION	CAT. No.	APPROX. kg
Light green tinted trim (clip-fit) <i>(not suitable for IK10 version)</i>	<b>GF 15037</b>	0.02
597 x 597mm ceiling reinforcing board <i>(3mm thick plywood with 185 x 185mm central cut-out)</i>	<b>GF 15145</b>	0.55

**WEB LINK >**  
"PLUG AND PLAY"  
LIGHTING CABLE  
MANAGEMENT



## HIGH PERFORMANCE SQUARE LED RECESSED DOWNLIGHTERS

IP20 ABOVE CEILING IP40 BELOW CEILING



### SPECIFICATION

- High pressure die-cast frame finished full polyester non-yellowing satin white (RAL 9016)
- Die-cast body/heat sink with through airflow for thermal management
- Injection moulded reflector
- Choice of optics optimised for general area, corridor and low glare (VDT)
- Die-cast sprung suspension arms for rapid installation
- Supplied with remote gear unit fitted with 2m lead
- Optional reinforcing board with centre cut aperture
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Fitted with 4000K LEDs

### LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW **118.1**

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



**1** LED Downlighter Power Unit for SmartScan, Smart, Emergency and AutoTest versions.

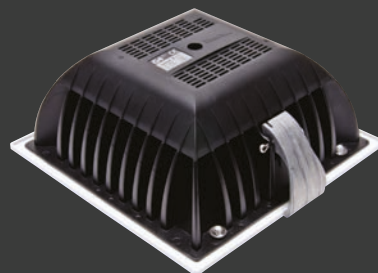
**2** Remote Driver for standard versions



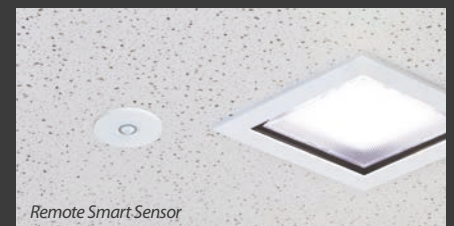
### SmartScan Configurations



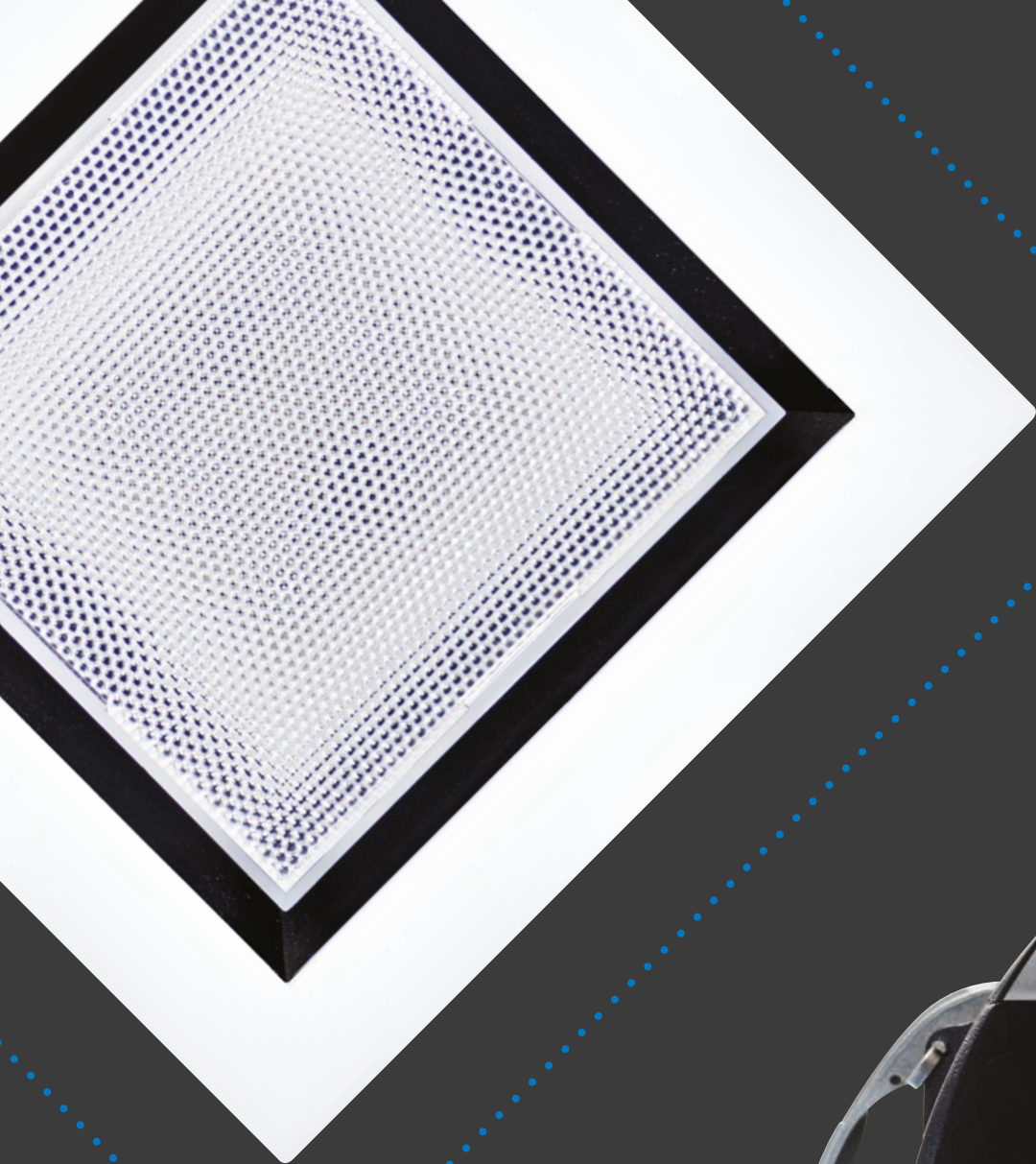
Find out more at [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)



Heat sink body



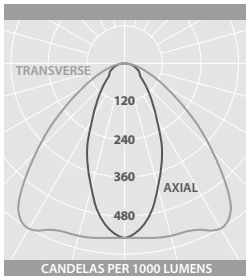
Remote Smart Sensor





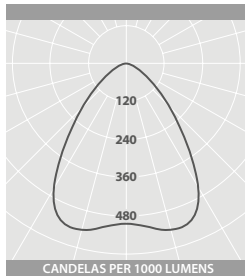


**PHOTOMETRIC GUIDE**



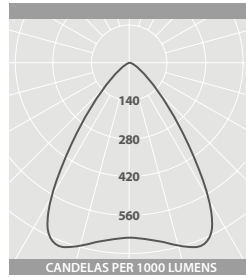
**CORRIDOR - PLAIN**

Luminaire Lumen Output  
11W = 1450lm  
22W = 2580lm



**GENERAL AREA - PLAIN**

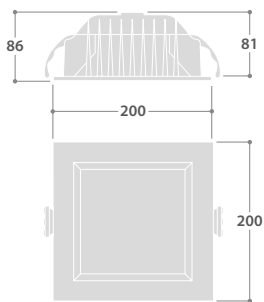
Luminaire Lumen Output  
11W = 1535lm  
22W = 2730lm



**LOW GLARE LENS - PLAIN**

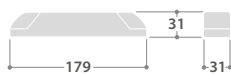
Luminaire Lumen Output  
11W = 795lm  
22W = 1415lm

**DIMENSIONS**

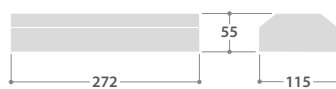


Cut-out - 185 x 185  
Minimum void depth - 115

**Remote Driver**



**LED Downlighter Power Unit**



**PERFORMANCE GUIDE**

Typical task area illuminance assuming an open area with good reflection factors, 0.85 maintenance factor and a 2.65 metre ceiling height.

	LED	SPACING (Metres)	LUX AVERAGE 70/50/20	LUX AVERAGE 80/60/30
<b>CORRIDOR LENS</b>	11W	4.2	100	120
		5.4	80	90
	22W	4.2	180	210
		5.4	150	170
<b>AREA LENS</b>	11W	1.8 x 2.4	310	350
		2.4 x 2.4	160	290
		2.4 x 3.0	210	230
		3.0 x 3.0	170	190
	22W	1.8 x 2.4	560	620
		2.4 x 2.4	460	510
		2.4 x 3.0	360	410
		3.0 x 3.0	300	340
<b>LOW GLARE LENS</b>	11W	1.8 x 2.4	170	190
		2.4 x 2.4	140	150
		2.4 x 3.0	110	120
		3.0 x 3.0	90	100
	22W	1.8 x 2.4	300	330
		2.4 x 2.4	240	270
		2.4 x 3.0	190	210
		3.0 x 3.0	160	180