

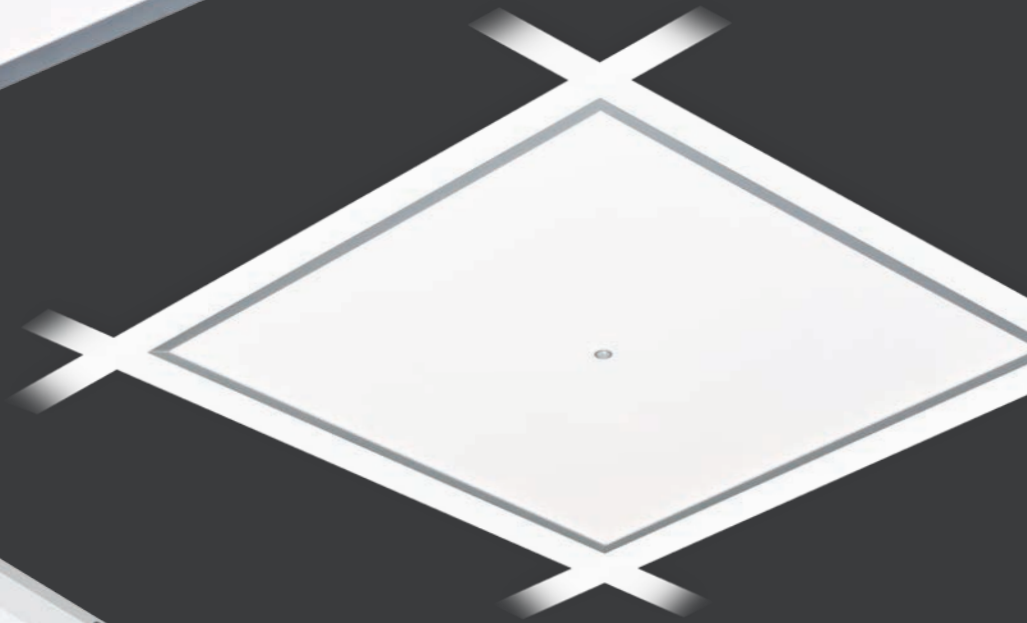
RADIANCE





SUSPENDED

RECESSED



RECESSED
(PLASTERBOARD CEILING)

SURFACE MOUNTED



RADIANCE



The sophisticated shallow construction of the Radiance incorporates all the control gear into the luminaire housing. This removes the need for a separate remote gear enclosure secured elsewhere behind the ceiling and ensures that all parts of the luminaire are properly earthed and electrically safe.



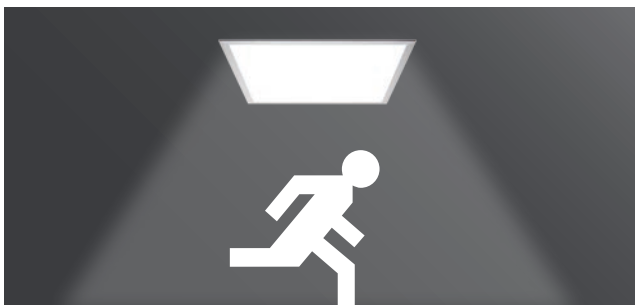
High quality, high power factor electronic control gear is used, and a fused live terminal is fitted for circuit protection.



192 medium power LEDs are placed around the edges of the luminaire, mounted onto aluminium backed circuit boards, for excellent thermal transfer and for optimum cooling.



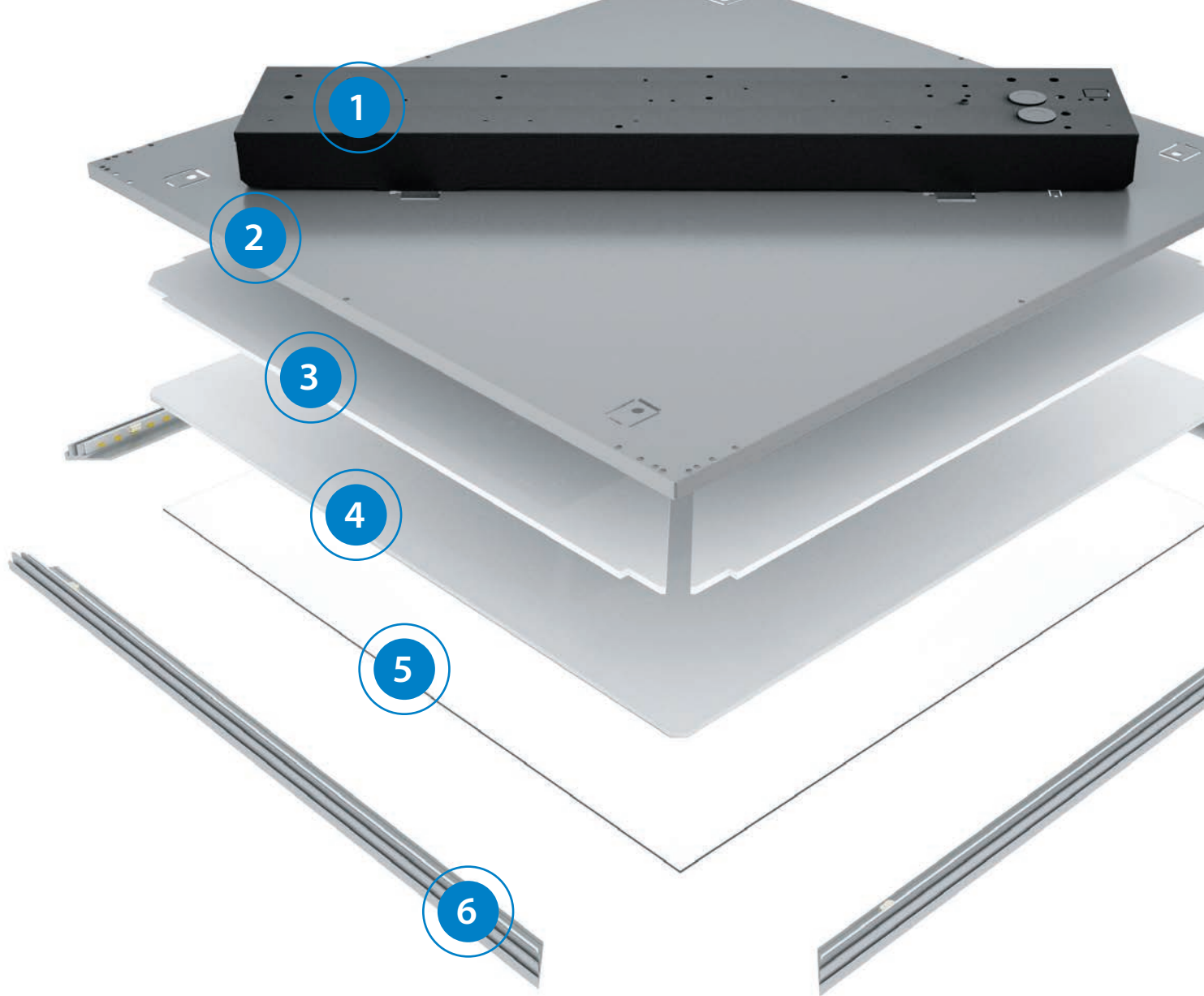
Excellent overall thermal management of the LEDs and control gear provides a life expectancy of the system of 60,000 hours to L80 B10.



Integral emergency gear operates all of the LEDs, at a reduced level, in the event of a power failure.



Smart recessed versions use a discreetly mounted Smart Sensor and can often provide energy savings in excess of 70%. Smart versions are installed quickly and correctly with the new Thorlux made LCM fast wiring system, saving installation time and costs.



GEAR COMPARTMENT

Hinges for easy access/wiring. Zinc plated steel powder coated black.



BODY

Corrosion resistant galvanised steel.



REFLECTOR

Maximises downward light efficiency, exceeding 100 luminaire lumens per circuit watt.



LIGHT GUIDE

Ensures that the front panel is illuminated uniformly without any dark areas or the "spotting" so often associated with LED luminaires.



DIFFUSER

Opal or LG7 flame retardant polycarbonate. TP(a) rating for compliance with UK Building Regulations.



LED CIRCUIT BOARDS

Fitted to extruded heat sink frame.

LED EDGE-LIT LUMINAIRES

IP20 ABOVE IP44 BELOW IK08



SPECIFICATION

- Strong extruded aluminium heat sink frame
- Fire-retardant polycarbonate flat panel opal diffuser or LG7 micro-prism diffuser
- Zinc coated steel gear enclosure securely fastened to the luminaire housing
- Recessed lay in, plasterboard, surface and suspended options
- Edge-lit diffuser technology eliminates visible LEDs
- Smart versions with intelligent lighting control
- Optional 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)	59K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	-
POWER FACTOR	>0.9

LL/CW 106.3

For LED characteristics explanation see www.thorlux.com/led-characteristics

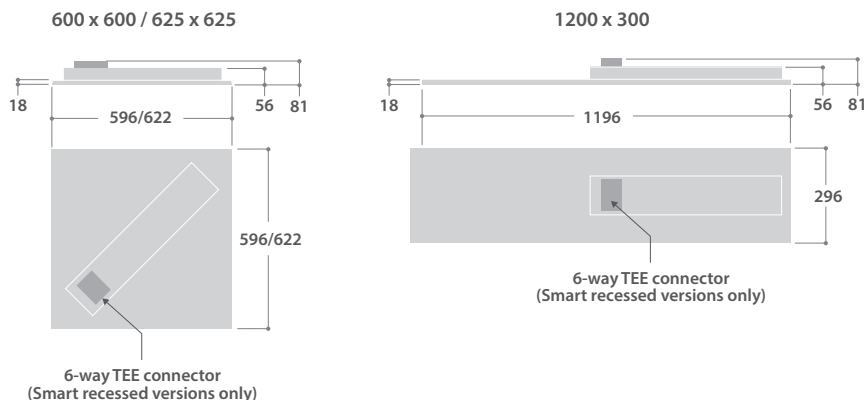
HIGH COLOUR RENDERING
RA90+ VERSIONS AVAILABLE
TO SPECIAL ORDER

WEB LINK >
"PLUG AND PLAY"
LIGHTING CABLE
MANAGEMENT

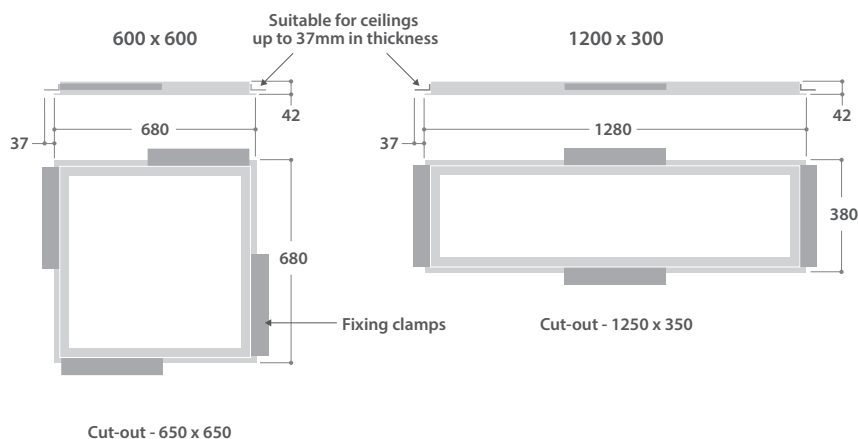


DIMENSIONS

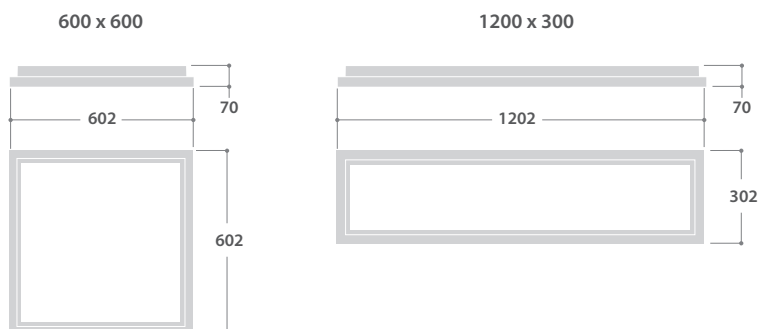
RECESSED / SUSPENDED



RECESSING FRAME (FOR PLASTERBOARD CEILINGS)



SURFACE



RECESSED - FINISHED ANODISED SILVER

	NOMINAL SIZE (mm)	LED	OPAL VERSION	LG7:2015 VERSION	APPROX. kg	CIRCUIT
SMART	600 x 600	16W	RAD 16400	RAD 16721	7.0	D/SS
		28W	RAD 16401	RAD 16722	7.0	D/SS
		38W	RAD 16402	RAD 16723	7.0	D/SS
		51W	RAD 16403	RAD 16724	7.0	D/SS
	1200 x 300	16W	RAD 16713		7.0	D/SS
		28W	RAD 16714		7.0	D/SS
		38W	RAD 16715		7.0	D/SS
		51W	RAD 16716		7.0	D/SS
STANDARD	600 x 600	16W	RAD 16404	RAD 16725	6.9	L/A
		28W	RAD 16405	RAD 16726	6.9	L/A
		38W	RAD 16406	RAD 16727	6.9	L/A
		51W	RAD 16407	RAD 16728	6.9	L/A
	1200 x 300	16W	RAD 16717		6.9	L/A
		28W	RAD 16718		6.9	L/A
		38W	RAD 16719		6.9	L/A
		51W	RAD 16720		6.9	L/A

1200 x 600mm VERSIONS AVAILABLE TO SPECIAL ORDER

RECESSING FRAME KIT FOR PLASTERBOARD CEILINGS - FINISHED SATIN WHITE RAL9016

DESCRIPTION	CAT. No	APPROX. kg
600 x 600*	RAD 16877	3.7
1200 x 300*	RAD 16878	4.2

* For use with recessed luminaires

ORDERING EXAMPLE:

600 x 600 Radiance 16W Opal Smart for recessing into plasterboard ceiling - **RAD 16400D/RAD 16877**

CIRCUIT TYPE - suffix catalogue number with:

SMART D - Smart / SS - SmartScan
STANDARD L - non-dimming / A - dimming (DALI)
 e.g. **RAD 16400SS** etc.

EMERGENCY VERSION - prefix catalogue number with:

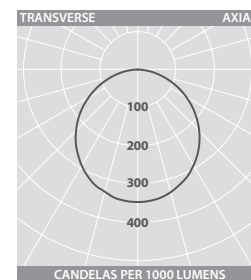
ERD - Emergency / **TRD** - AutoTest / **DRD** - Scanlight AT (DALI)
 e.g. **ERD 16404L** etc.

Add 0.3kg to weights listed

SURFACE - FINISHED SATIN WHITE RAL9016

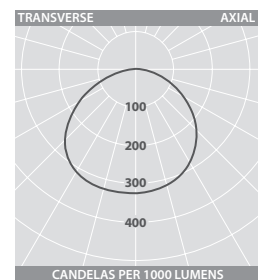
	NOMINAL SIZE (mm)	LED	OPAL VERSION	LG7:2015 VERSION	APPROX. kg	CIRCUIT
SMART	600 x 600	16W	RAD 16920	RAD 16928	10.7	D/SS
		28W	RAD 16921	RAD 16929	10.7	D/SS
		38W	RAD 16922	RAD 16930	10.7	D/SS
		51W	RAD 16923	RAD 16931	10.7	D/SS
	1200 x 300	16W	RAD 17054		11.0	D/SS
		28W	RAD 17055		11.0	D/SS
		38W	RAD 17056		11.0	D/SS
		51W	RAD 17057		11.0	D/SS
STANDARD	600 x 600	16W	RAD 16924	RAD 16932	10.6	L/A
		28W	RAD 16925	RAD 16933	10.6	L/A
		38W	RAD 16926	RAD 16934	10.6	L/A
		51W	RAD 16927	RAD 16935	10.6	L/A
	1200 x 300	16W	RAD 17058		10.9	L/A
		28W	RAD 17059		10.9	L/A
		38W	RAD 17060		10.9	L/A
		51W	RAD 17061		10.9	L/A

PHOTOMETRIC GUIDE



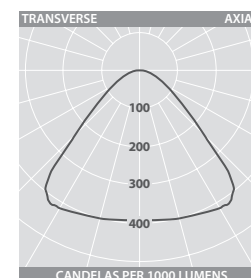
600 x 600 & 625 x 625 - OPAL

Luminaire Lumen Output
 16W = 2000lm
 28W = 3320lm
 38W = 4345lm
 51W = 5460lm



1200 x 300 - OPAL

Luminaire Lumen Output
 16W = 2020lm
 28W = 3360lm
 38W = 4415lm
 51W = 5640lm



600 x 600 - LG7: 2015

Luminaire Lumen Output
 16W = 1820lm
 28W = 3020lm
 38W = 3950lm
 51W = 4960lm

SUSPENDED - FINISHED ANODISED SILVER

	NOMINAL SIZE (mm)	LED	OPAL VERSION	APPROX. kg	CIRCUIT
SMART	625 x 625	16W	RAD 17005	7.4	D/SS
		28W	RAD 17006	7.4	D/SS
		38W	RAD 17007	7.4	D/SS
		51W	RAD 17008	7.4	D/SS
STANDARD	625 x 625	16W	RAD 17009	7.3	L/A
		28W	RAD 17010	7.3	L/A
		38W	RAD 17011	7.3	L/A
		51W	RAD 17012	7.3	L/A



Learn more about
 SmartScan at:
www.thorlux.com/smartscan