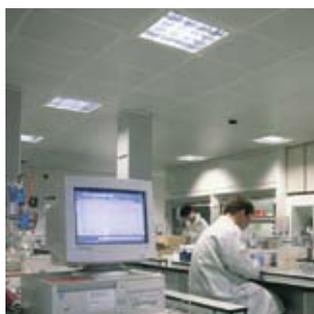


Invincible II

T16 (FDH)	G5	14-54W
TC-L (FSD)	2G11	55W
AS/NZS 60598	Class I electrical	
IP54		
IP65		

A range of recessed fluorescent luminaires sealed to IP65/54 for maximum protection when used in healthcare or industrial cleanroom applications

- Low profile frame design with 4mm toughened safety glass cover
- Smooth white frame design with internal locking mechanism
- Simple, time saving, suction cup frame opening method
- Choice of prismatic or louvre optics
- Dimming and emergency versions available on request
- IP65 (below) and 54 (above) rating to ensure maximum protection in all challenging environments
- Self regulating breather ensures IP65 protection through air pressure equalisation
- Quick and easy to clean
- Suitable for use in cleanroom applications
- Suitable for most ceiling systems



Materials/Finish

Housing: welded sheet steel with a white coating resistant to oil vapours, chemical substances, disinfectants and cleaning agents. Polycarbonate corner pieces, polyurethane foam gasket around the housing edge. Optics: double parabolic satinbrite Bivergenz® louvre optic with glare limitation for DSE $L < 1000 \text{cd/m}^2$ at 65° , K12 clear prismatic acrylic diffuser. Frame: white painted low profile anodised aluminium frame with 4mm toughened safety glass cover and polyurethane foam gasket. Reflectors: pre painted steel, white finish (louvre optic versions only).

Installation/Mounting

Designed for installation into most ceiling system types including exposed and concealed tees (luminaires are not compatible when ceiling tiles join the tee on a side 'off centre' position), sprint tees (lamps must run parallel to the spring tees) and solid ceilings. The tee must have a maximum width of 24mm and a height range of 20-60mm. Please consult the ceiling manufacturers technical specification for compatibility. Invincible II has 4x20mm suspension holes in the housing. Suction cups must be ordered separately and the user must decide the appropriate quantity required.

Specification

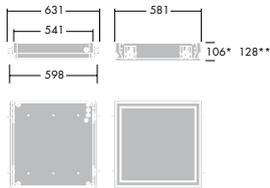
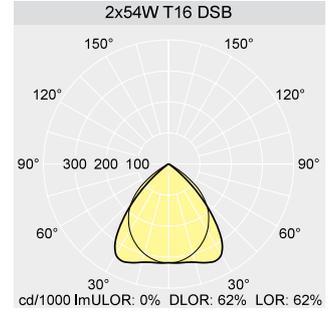
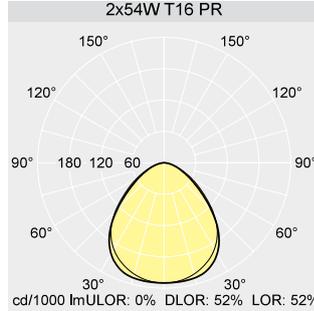
To specify state: Recessed luminaire IP65/54 sealed with clear prismatic or louvre optics. Smooth white low profile anodised aluminium extruded frame with a 4mm toughened safety glass cover. 14/28/54W T16 linear fluorescent lamps or 55W TC-L compact fluorescent lamp with high frequency control gear. Self regulating breather. As Thorn Invincible II.



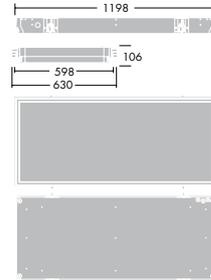
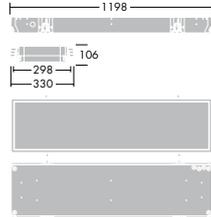
Prismatic Diffuser



Suction Cup



*T16 Lamps **TCL Lamps



Ordering Guide Lamps and suction cups to be ordered separately.
The installer must decide the appropriate quantity of suction cups required for each project.

Description	Ilcos Code	Socket	Wt (kg)	SAP Code
Louvre Versions				
600x600				
INVINCIBLE2 4X14W T16 HF DSB IP65	FDH	G5	13.4	96502859
INVINCIBLE2 3X55W TC-L HF DSB IP65	FSD	2G11	10.4	96502867
INVINCIBLE2 4X14W T16 HFD DSB IP65	FDH	G5	13.4	96502871
INVINCIBLE2 3X55W TC-L HFD DSB IP65	FSD	2G11	10.4	96502879
300x1200				
INVINCIBLE2 2X28W T16 HF DSB IP65	FDH	G5	9.9	96502856
INVINCIBLE2 2X54W T16 HF DSB IP65	FDH	G5	9.9	96502857
INVINCIBLE2 2X28W T16 HFD DSB IP65	FDH	G5	9.9	96502868
INVINCIBLE2 2X54W T16 HFD DSB IP65	FDH	G5	9.9	96502869
600x1200				
INVINCIBLE2 4X28W T16 HF DSB IP65	FDH	G5	18.5	96502863
INVINCIBLE2 4X54W T16 HF DSB IP65	FDH	G5	18.5	96502865
INVINCIBLE2 4X28W T16 HFD DSB IP65	FDH	G5	18.5	96502875
INVINCIBLE2 4X54W T16 HFD DSB IP65	FDH	G5	18.5	96502877
Prismatic Diffuser Versions				
600x600				
INVINCIBLE2 4X14W T16 HF PR IP65	FDH	G5	13.4	96502907
INVINCIBLE2 3X55W TC-L HF PR IP65	FSD	2G11	10.4	96502915
INVINCIBLE2 4X14W T16 HFD PR IP65	FDH	G5	13.4	96502919
INVINCIBLE2 3X55W TC-L HFD PR IP65	FSD	2G11	10.4	96502927
300x1200				
INVINCIBLE2 2X28W T16 HF PR IP65	FDH	G5	9.9	96502904
INVINCIBLE2 2X54W T16 HF PR IP65	FDH	G5	9.9	96502905
INVINCIBLE2 2X28W T16 HFD PR IP65	FDH	G5	9.9	96502916
INVINCIBLE2 2X54W T16 HFD PR IP65	FDH	G5	9.9	96502917
600x1200				
INVINCIBLE2 4X28W T16 HF PR IP65	FDH	G5	18.5	96502911
INVINCIBLE2 4X54W T16 HF PR IP65	FDH	G5	18.5	96502913
INVINCIBLE2 4X28W T16 HFD PR IP65	FDH	G5	18.5	96502923
INVINCIBLE2 4X54W T16 HFD PR IP65	FDH	G5	18.5	96502925
Accessories				
SUCTION CUP				20935455

DSB - Double Parabolic Satinbrite Louvre
PR - Prismatic diffuser