

THORN

IndiQuattro

Same great looks but slimmer
and better performance



IndiQuattro

With up to 70% LOR and a new, slimline 70mm body, IndiQuattro is now better performing and even easier to install



Easy to install and maintain, even in shallow ceiling voids, due to a new robust but slim 70mm body with easily removed and retained optics

Easy to impress, with the same great looking IndiQuattro louvre and diffuser optics and a shallow coffer for good architectural integration and ceiling brightness impression



New Style Reeded Opal diffuser

Micro perforated diffuser

Satinbrite louvre

IndiQuattro is a range of slim recessed fluorescent direct/indirect luminaires providing efficient and well balanced task and ambient lighting. Offering a choice of optical attachments to suit a wide range of applications, including office, education, healthcare and commercial.

Easy to be efficient, with T16 or TCL lamps, up to 70% LOR and dimming options

Easy to comply, with efficacy >55 lm/W, as well as luminance limit options below $1500\text{cd}/\text{m}^2$ or $3000\text{cd}/\text{m}^2$



Easy to power, with fast access to terminal block via flap in rear of body. Emergency batteries can also be easily connected via the rear access flap.



Energy saving

Scheme 1: Typical open plan office (500lux) 9.6m x 9.6m



Scheme 2: Leisure space (300lux) 9.6m x 18m



Scheme:	Luminaire Type	No. of Luminaires	Spacing	Target Illuminance (lx)	Maintained Illuminance (lx)	Task Uniformity	Installed load (W/m ²)
Office (before)	4x18W T16 louvre	16	2.4 x 2.4m	500	515	0.87	12.85
Office (after)	NEW IQ 1x55W LV	16	2.4 x 2.4m	500	490	0.84	9.55
Leisure (before)	Old IndiQuat 1x55W OP	23	2.4 x 2.4m	300	391	0.83	10.59
Leisure (after)	NEW IQ 1x55W OP AC	17	2.4 x 3.0m	300	328	0.85	7.16

Scheme 1: Higher quality lighting, lower energy costs

In this refurbishment of an existing open plan office, 16 recessed T8 louvre luminaires have been replaced with the same number of new IndiQuattro luminaires with louvre optic.

With no changes to the design or infrastructure required, this has minimised installation costs and reduced the energy required to light the room by over 26%.

Furthermore, the new scheme not only provides the same levels of light and uniformity, but also improves the lighting quality for the office users: the direct/indirect light distribution creates a soft, mellow light and brighter ceilings and walls for a more pleasing environment, and people and vertical surfaces are better lit.

Better lighting, lower bills: a win win situation!

Scheme 2: Same light, better looks, less cost

If this new-build project was fitted with the previous IndiQuattro 1x55W with opal diffuser, the scheme would use 23 luminaires requiring an installed power of 10.59W/m².

With the new improved IndiQuattro with opal diffuser, only 17 luminaires are now needed to achieve the same required light level, resulting in lower purchase and installation costs and a 32% energy saving.



Furthermore, the new reeded design of the opal diffuser has a more pleasing lit aesthetic, and because it's acrylic it performs better and doesn't yellow with UV contact.

The result is a better looking space for longer, with cost savings to please building owners and installers alike!



Product features

Lamps

	T16 (FDH)	G5	14-24W
	TC-L (FSDH)	2G11	40-55W

Materials/Finish

Body: white pre-painted steel (close to RAL 9010).
 Coffers: sheet steel, post-painted textured white (close to RAL 9010).
 Diffuser: microperforated white painted steel or reeded opal acrylic.

Louvre: aluminium in Satinbrite finish with microperforated white-painted steel sides

Installation/Mounting

Suitable for lay in only into 15mm or 24mm exposed tee grids, luminaire is offered into the ceiling and simply lays onto the ceiling grid, with easy electrical connection via external access flap on rear of body. Optics are easily removed and self-retained on one side for ease of lamp access.

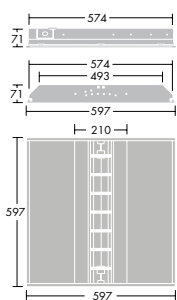
Standards



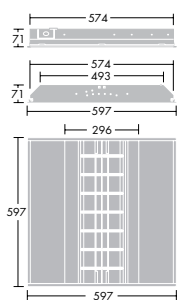
Fire retardance: 960° glow wire (Opal diffuser version 650°)

Specification

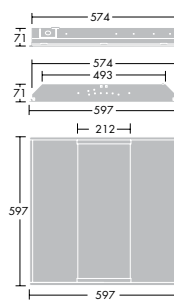
To specify state: Recessed modular luminaire with slim 70mm deep body and textured coffers for direct/indirect lighting performance, using T16 linear fluorescent or TC-L compact fluorescent lamps with HF/HFD or emergency control gear, for lay-in installation in 15/24mm exposed tee ceilings with choice of reeded opal or micro-perforated diffuser or Satinbrite louvre attachment. As Thorn IndiQuattro.



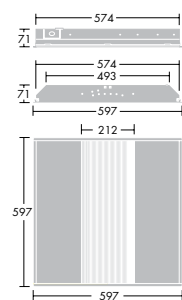
Single louvre optic



Twin louvre optic



Microperforated diffuser optic



Opal diffuser optic

Ordering Guide

Supplied complete with lamp(s)

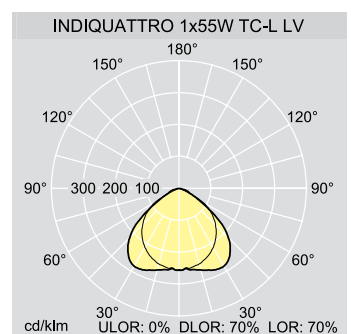
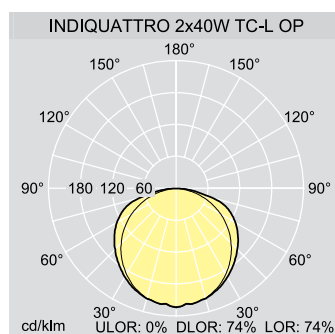
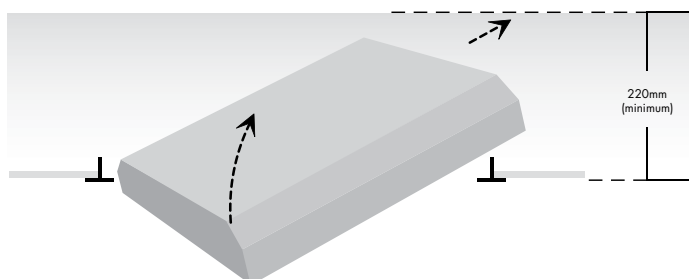
Description	Ilcos Code	Socket	Weight (kg)	SAP Code
Louvre optic				
IQ 1X55W TC-L HF LV L840	FSD	2G11	3.7	96239769
IQ 2X40W TC-L HF LV L840	FSD	2G11	3.9	96239766
IQ 2X55W TC-L HF LV L840	FSD	2G11	3.9	96547374
IQ 2X24W T16 HF LV L840	FDH	G5	3.7	96239767
IQ 4X14W T16 HF LV L840	FDH	G5	3.9	96547375
IQ 1X55W TC-L HFD LV L840	FSD	2G11	3.8	96547376
IQ 2X40W TC-L HFD LV L840	FSD	2G11	4.0	96547386
IQ 2X55W TC-L HFD LV L840	FSD	2G11	4.0	96547387
IQ 2X24W T16 HFD LV L840	FDH	G5	3.8	96547388
IQ 4X14W T16 HFD LV L840	FDH	G5	3.9	96547398
IQ 1X55W TC-L HF E3 LV L840	FSD	2G11	4.7	96547399
IQ 2X40W TC-L HF E3 LV L840	FSD	2G11	4.8	96547400
IQ 2X55W TC-L HF E3 LV L840	FSD	2G11	4.9	96547410
IQ 2X24W T16 HF E3 LV L840	FDH	G5	4.5	96547411
IQ 4X14W T16 HF E3 LV L840	FDH	G5	4.5	96547412
IQ 1X55W TC-L HFD E3 LV L840	FSD	2G11	4.8	96548417
IQ 2X40W TC-L HFD E3 LV L840	FSD	2G11	5.0	96548418
IQ 2X55W TC-L HFD E3 LV L840	FSD	2G11	5.0	96548419
IQ 2X24W T16 HFD E3 LV L840	FDH	G5	4.4	96548420
IQ 4X14W T16 HFD E3 LV L840	FDH	G5	4.7	96548421
Micro-perforated diffuser optic				
IQ 1X55W TC-L HF MP L840	FSD	2G11	3.8	96239768
IQ 2X40W TC-L HF MP L840	FSD	2G11	3.9	96548422
IQ 2X55W TC-L HF MP L840	FSD	2G11	3.9	96548423
IQ 2X24W T16 HF MP L840	FDH	G5	3.7	96548424
IQ 4X14W T16 HF MP L840	FDH	G5	3.9	96548425
IQ 1X55W TC-L HFD MP L840	FSD	2G11	3.9	96548426
IQ 2X40W TC-L HFD MP L840	FSD	2G11	4.0	96548427
IQ 2X55W TC-L HFD MP L840	FSD	2G11	4.0	96548428
IQ 2X24W T16 HFD MP L840	FDH	G5	3.8	96548429
IQ 4X14W T16 HFD MP L840	FDH	G5	4.0	96548430
IQ 1X55W TC-L HF E3 MP L840	FSD	2G11	4.7	96548431
IQ 2X40W TC-L HF E3 MP L840	FSD	2G11	4.9	96548432
IQ 2X55W TC-L HF E3 MP L840	FSD	2G11	4.9	96548433
IQ 2X24W T16 HF E3 MP L840	FDH	G5	4.5	96548434
IQ 4X14W T16 HF E3 MP L840	FDH	G5	4.5	96548435
IQ 1X55W TC-L HFD E3 MP L840	FSD	2G11	4.8	96548436
IQ 2X40W TC-L HFD E3 MP L840	FSD	2G11	5.0	96548437
IQ 2X55W TC-L HFD E3 MP L840	FSD	2G11	5.0	96548438
IQ 2X24W T16 HFD E3 MP L840	FDH	G5	4.5	96548439
IQ 4X14W T16 HFD E3 MP L840	FDH	G5	4.7	96548440

Description	Ilcos Code	Socket	Weight (kg)	SAP Code
Opal diffuser optic				
IQ 1X55W TC-L HF OP L840	FSD	2G11	3.7	96548441
IQ 2X40W TC-L HF OP L840	FSD	2G11	3.9	96548442
IQ 2X55W TC-L HF OP L840	FSD	2G11	3.9	96548443
IQ 2X24W T16 HF OP L840	FDH	G5	3.7	96548444
IQ 4X14W T16 HF OP L840	FDH	G5	3.8	96548445
IQ 1X55W TC-L HFD OP L840	FSD	2G11	3.8	96548446
IQ 2X40W TC-L HFD OP L840	FSD	2G11	4.0	96548447
IQ 2X55W TC-L HFD OP L840	FSD	2G11	4.0	96548448
IQ 2X24W T16 HFD OP L840	FDH	G5	3.8	96548449
IQ 4X14W T16 HFD OP L840	FDH	G5	3.9	96548450
IQ 1X55W TC-L HF E3 OP L840	FSD	2G11	4.7	96548451
IQ 2X40W TC-L HF E3 OP L840	FSD	2G11	4.8	96548452
IQ 2X55W TC-L HF E3 OP L840	FSD	2G11	4.9	96548453
IQ 2X24W T16 HF E3 OP L840	FDH	G5	4.5	96548454
IQ 4X14W T16 HF E3 OP L840	FDH	G5	4.4	96548455
IQ 1X55W TC-L HFD E3 OP L840	FSD	2G11	4.8	96548456
IQ 2X40W TC-L HFD E3 OP L840	FSD	2G11	5.0	96548457
IQ 2X55W TC-L HFD E3 OP L840	FSD	2G11	5.0	96548458
IQ 2X24W T16 HFD E3 OP L840	FDH	G5	4.4	96548459
IQ 4X14W T16 HFD E3 OP L840	FDH	G5	4.6	96548460

LV - Louvre optic with micro-perforated diffuser sides, MP - Micro-perforated metal diffuser optic, OP - Reeded opal acrylic diffuser optic, HF - High frequency fixed output, HFD - High frequency dimmable DSI, E3 - 3 hour emergency, manual test

Required void depths for recessed fittings

For lay-in installation, the depth of the ceiling needs to be as shown



THORN

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Publication No: 523 (GB) Publication Date: 11/11



ISO 9001:2008
Reg: AT00005/5
ISO 14001:2004
Reg: AT00247/2
Manufacturing