

THORN

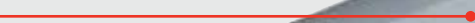
IndiQuattro

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



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 1500cd/m^2 or 3000cd/m^2



Easy to power, with fast access to terminal block via flap in rear of body



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 needed 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

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

Materials/Finish

Body: white pre-painted steel (close to RAL 9010).
Coffer: 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.

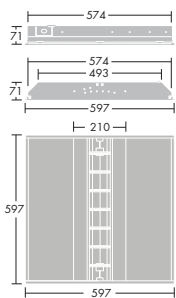
Standards



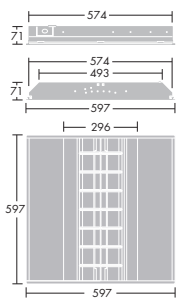
Fire retardance: 960° glow wire (Opal diffuser version 650°)

Specification

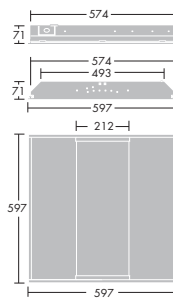
To specify state: Recessed modular luminaire with slim 70mm deep body and textured coffers for direct/indirect lighting performance, using T16 linear fluorescent or TC-L compact fluorescent lamps with HF/HFD or emergency control gear, for lay-in installation in 15/24mm exposed tee ceilings with choice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



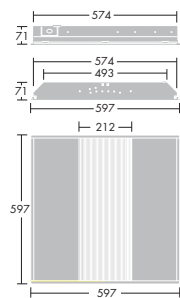
Single louvre optic



Twin louvre optic



Microperforated diffuser optic



Opal diffuser optic

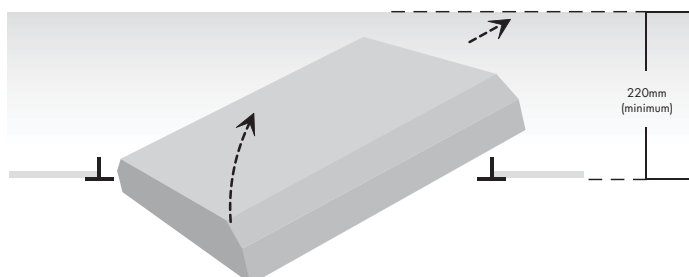
Ordering Guide

Supplied complete with lamp(s)

Description	Ilicos Code	Socket	Weight	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

Required void depths for recessed fittings

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

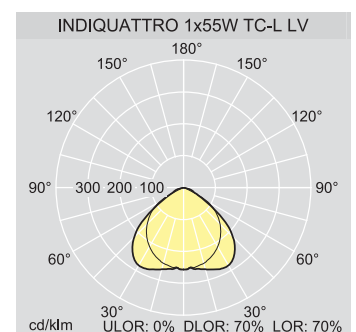
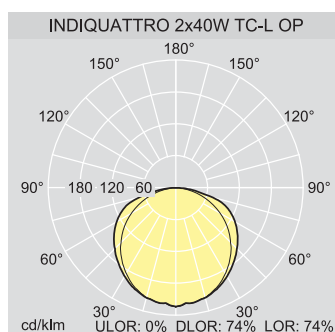


Description	Ilicos Code	Socket	Weight	SAP Code
Opal diffuser optic				
IQ 1X55W TC-L HF OP L840	FSD	2G11	3.7	96548441
IQ 2X40W TC-L HF OP L840	FSD	2G11	3.9	96548442
IQ 2X55W TC-L HF OP L840	FSD	2G11	3.9	96548443
IQ 2X24W T16 HF OP L840	FDH	G5	3.7	96548444
IQ 4X14W T16 HF OP L840	FDH	G5	3.8	96548445
IQ 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, HFX - High frequency dimmable addressable (DALI/DSI) E3 - 3 hour emergency, manual test

LumExpress

LumExpress products are specifically designed to meet the day-to-day needs of electrical contractors and are available from Thorn electrical wholesale stockists



Thorn Lighting Main Offices

Thorn Academy of Light

Durhamgate, Spennymoor
County Durham DL16 6HL, UK
Tel: (44) 1388 420 042
E-mail: academy@thornlighting.com
Website: www.thornacademyoflight.com

Australia

Thorn Lighting Pty Limited
43 Newton Road, Wetherill Park
NSW 2164
Tel: (02) 8786 6000
Fax: (02) 9612 2700
E-mail: infoaustralia@thornlighting.com
Website: www.thornlighting.com.au

Austria

Thorn Licht GmbH
Donau-City-Straße 1,
1220 Wien, Austria
Tel: (43) 1 202 66 11
Fax: (43) 1 202 66 11 82712
E-mail: office.at@thornlighting.com
Website: www.thornlighting.at

Benelux

Rijksweg 47 A
Industriezone Puurs Nr. 442
BE-2870 Puurs, Belgium
Phone: +32 (0)3 860 16 60
Fax: +32 (0)3 860 16 69
e-mail: infobe@thornlighting.com
infonl@thornlighting.com
infolu@thornlighting.com

China

Thorn Lighting (Guangzhou) Limited
No. 12 Lianyun Road, Eastern Section, GETDO
Guangzhou 510530 P.R.China
Tel: (86) 20 3228 2706
Fax: (86) 20 3228 1777
E-mail: sales.cn@thornlighting.com

Thorn Lighting (Tianjin) Co. Ltd
332 Hongqi Road, Tianjin 300190, China
Tel: (86) 22 8369 2303
Fax: (86) 22 8369 2302
E-mail: info.tj@thornlighting.com

Croatia

Dravska 17
HR-42000 Varazdin
Tel: +385 42 290 471
+385 42 290 474
Fax: +385 42 290 470
E-mail: officehr@thornlighting.com
Website: www.thornlighting.com.hr

Czech Republic

Thorn Lighting CS spol. s r.o.,
Pekařská 621/7, 155 00 Praha 5
Czech Republic
Tel: (420) 224 315 252
Fax: (420) 233 326 313
E-mail: thorn.cz@thornlighting.com
Website: www.thornlighting.cz

Denmark

Thorn Lighting A/S
Kanonbådsvej 12B, Holmen,
1437 København K, Denmark
Tel: (45) 76 96 36 00
Fax: (45) 76 96 36 01
E-mail: info.dk@thornlighting.com
Website: www.thornlighting.dk

France

Thorn Europhane SA
156 Boulevard Haussmann,
Cedex 08, Paris 75379, France
Tel: (33) 1 49 53 6262
Fax: (33) 1 49 53 6240
Website: www.thornlighting.fr

Hong Kong

Thorn Lighting (Hong Kong) Limited
Unit 4301, Level 43, Tower 1,
Metroplaza, 223 Hing Fong Road,
Kwai Chung, N.T., Hong Kong
Tel: (852) 2578 4303
Fax: (852) 2887 0247
E-mail: info.hk@thornlighting.com

India

Thorn Lighting India Pvt. Ltd.
Unit No. 404, Western Edge-1
4th Floor, Located at CTS 163A/165
W.E Highway, Borivali (E)
Mumbai - 400 066, India
Board line: +91-22-40481900
Fax: +91-22-40481900
E-mail: international_sales@thornlighting.com
Website: www.thornlighting.in

International Sales

Thorn Europhane SA
156 Boulevard Haussmann
Cedex 08, Paris 75379, France
Tel: (33) 1 49 53 6262
Fax: (33) 1 49 53 6270
Email: international_sales@thornlighting.com
Website: www.thornlighting.com

Ireland

Thorn Lighting (Ireland) Limited
Century House
Harolds Cross Road
Dublin 6W
Tel: (353) 1 4922 877
Fax: (353) 1 4922 724
E-mail: dublinsales@thornlighting.com
Website: www.thornlighting.co.uk

Italy

Thorn Europhane Spa
Via G Di Vittorio, 2, Cadrano di Granarolo,
Bologna 40057, Italy
Tel: (39) 051 763391
Fax: (39) 051 763088
E-mail: info@thornlighting.it
Website: www.thornlighting.it

New Zealand

Thorn Lighting (NZ) Ltd
399 Rosebank Road, Avondale,
Auckland 1026
PO Box 71134, Rosebank,
Auckland 1348
Tel: (64) 9 828 7155
Fax: (64) 9 828 7591
E-mail: info.NZ@thornlighting.com
Website: www.thornlighting.co.nz

Norway

Thorn Lighting AS
Strømsveien 344, 1081 Oslo,
Norway
Tel: (47) 22 82 07 00
Fax: (47) 22 82 07 01
E-mail: info.no@thornlighting.com
Website: www.thornlighting.no

Poland

Thorn Lighting Polska Sp.z.o.o.,
Ul. Gazowa 26A, Wrocław 50-513,
Poland
Tel: (48) 71 7833 740
Fax: (48) 71 3366 029
E-mail: thorn.pl@thornlighting.com
Website: www.thornlighting.pl

Russia

Thorn Lighting
Novoslobodskaya Str., 21, office 406
Business Center "Novoslobodskaya 21",
Moscow 127030, Russia
Tel: (7) 495 981 35 41
Fax: (7) 495 981 35 42
E-mail: office.moscow@thornlighting.com
Website: www.thornlighting.ru

Singapore

Thorn Lighting (Singapore) Pte Ltd
5 Kaki Bukit Crescent, 04-02 Koyotech
Building, 416238 Singapore
Tel: (65) 6844 5800
Fax: (65) 6745 7707
E-mail: info.sg@thornlighting.com

Slovenia

Thorn Lighting
Dunajska cesta 159
Ljubljana, SI-1000
Tel: +386 31 388 965
Fax: +386 1 56 09 865
E-mail: office.si@thornlighting.com
Website: www.thornlighting.si

Sweden

Thorn Lighting AB
Industrigratan, Box 305, SE-261 23
Landskrona, Sweden
Tel: (46) 418 520 00
Fax: (46) 418 265 74
E-mail: info.se@thornlighting.com
Website: www.thornlighting.se

United Arab Emirates

Thorn Lighting Ltd Dubai
Al Shoala Building, Office 301,
Block E, Airport road, P.O. Box 1200,
Deira, Dubai, UAE
Tel: (971) 4 2940181
Fax: (971) 4 2948838
E-mail: marketing.mena@thornlighting.com
Website: www.thornlighting.com

United Kingdom

Thorn Lighting Ltd
Durhamgate, Spennymoor,
County Durham, DL16 6HL
Tel: +44 (0) 1388 42 00 42
Fax: +44 (0) 1388 42 01 56
Email: brochures.uk@thornlighting.com
Website: www.thornlighting.co.uk

www.thornlighting.com

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated. Printed on Luxo Light.