

THORN
LIGHTING



IQ BEAM

Brightly balanced ceiling light



IQ BEAM – LINEAR RECESSED CEILING BRILLIANCE

REFURBISHMENT VERSATILITY

IQ Beam cuts an excellent figure in virtually any setting. Combining intelligent design features with a variety of optics, the recessed ceiling luminaire is a brilliant enhancement for wide-ranging refurbishment projects – from office environments to far-reaching secondary spaces.

Moreover, IQ Beam is simple and easy to work with. As a direct replacement for standard 600 mm x 600 mm and 625 mm x 625 mm soft ceiling luminaires, it enables both pull-up and lay-in mounting for tremendous installation flexibility.

WIDE OPTIONS RANGE

Available with two flat microprismatic optic diffusers, a 3D-comfort extrusion

optic and a reflector. Based on three lumen packages with up to 4300 lm, which all provide superior glare control of UGR < 19 and CRI > 90.

The microprismatic optics offer the highest efficacy, up to 140 lm/W. They are available without (MPT) or with (MPT-F) an additional micro diffuser foil for enhanced comfort.

For best visual comfort the 3D-shaped Opal (OPC) optic is the choice. The opal sides of its extrusion guide a certain amount of light onto the coffer wings to provide a pleasant aura across the whole luminaire. A classic MiniCell (MC) reflector option is available with a matte silver finishing.

IQ Beam can also be ordered with a presence/daylight detection sensor, emergency lighting and DALI dimmable control gear as well as various pre-wiring options.

CLEAR LINEAR DESIGN

Several other factors add to the ceiling luminaire's appeal, beginning with its clear linear design and distinct light. The IQ Beam is a real looker. With its integrated features and clean exterior, it appears both classic and, at the same time, innovative. And careful styling ensures that all screws and other mechanical parts are discretely concealed.

Through the opal adaptation of the microprismatic and the 3D light engine, the look and the appearance of the IQ Beam is further accentuated, enhancing its soft, comfortable radiance.

APPLICATIONS



OFFICE



EDUCATION



CORRIDORS &
CIRCULATION AREAS



ANCILLARY
SPACES

OPTICAL TECHNOLOGY



MICROPRISMATIC (MPT) – THE HIGHEST EFFICACY



MICROPRISMATIC WITH MICRO DIFFUSER FOIL (MPT-F) VERSION FOR A UNIFORM APPEARANCE



OPAL (OPC) VERSION FOR HIGH VISUAL COMFORT



MINICELL (MC) VERSION – THE ALTERNATIVE REFLECTOR

APPLICATION VERSATILITY



MPT OPTICS FOR OFFICE AND EDUCATION APPLICATIONS



COMFORT OPTIC FOR BREAKOUT SPACES, SOCIAL SPACES AND SECONDARY AREAS

TECHNICAL DATA CE 650°C

MATERIALS AND FINISH

- Housing and gear: highly reflective white steel
- MPT / MPT-F versions:
 - Microprismatic diffuser: also with micro diffuser foil for additional comfort
- OPC version:
 - Clear polycarbonate front opal on side
 - Micro diffuser foil
- MC version:
 - Plexiglass film, micro diffuser foil, PMMA
 - Reflector: polycarbonate, matte silver painted

INSTALLATION AND MAINTENANCE

- Replacement for recessed soft ceiling systems
- Dimensions: 600 mm x 600 mm and 625 mm x 625 mm
- Lay-in or pull-up mounting

CONTROLS

- Fixed output (HF) as standard
- Available as DALI dimmable (HFIX)
- Combined presence and daylight detection (optional)
- Available as emergency option (E3), also with DALI (E3D)
- basicDIM Wireless (BC) on request, as an accessory



Up to 140lm/W (MPT)



3000 K
4000 K



80
90



3000lm / 3800lm / 4300lm



<19



IP20
IP30 (from below)



E3, E3D



Fixed output (HF),
DALI dimmable (HFIX),
DALI dimmable with presence
and daylight detection (HFSX),
Presence and daylight detection (SENS)



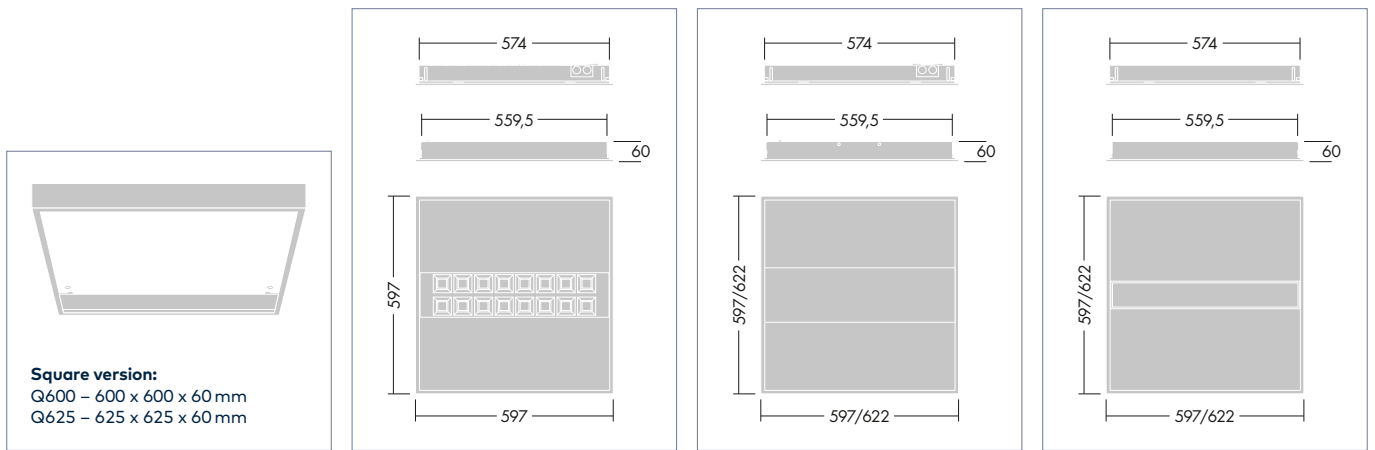
50000h L90



–20°C
+40°C
(0°C/+35°C for E3, E3D)

CONFIGURATION GUIDE

Range	Lumen	CCT/CRI	Optic	Controls & Sensors	Emergency	Size	Cabling			
IQ BEAM	3000	830	MPT	HFIX	E3D	Q600	ML4	4 core main lead, pre-wired, 2.55m length, 1.5mm ²		
									ML4	6 core main lead, pre-wired, 2.55m length, 1.5mm ²
									ML6	3 pole Wieland, pre-wired, 2.55m length, 1.5mm ²
									WL3	4 pole Wieland, pre-wired, 2.55m length, 1.5mm ²
									WL4	5 pole Wieland, pre-wired, 2.55m length, 1.5mm ²
									WL5BU	6 pole Wieland, pre-wired, 2.55m length, 1.5mm ²
									WL6BU	5 pole Wago, pre-wired, 2.55m length, 1.5mm ²
									WO3	5 pole Wago, pre-wired, 2.55m length, 1.5mm ²
									WO5	5 pole Wago, pre-wired, 2.55m length, 1.5mm ²
						Q625	622 mm x 622 mm			
						optional				
					E3		3h emergency, manual test			
					E3D		3h emergency, auto test, local battery			
				HF			Fixed output			
				HFIX			DALI dimmable			
				HFSX			DALI dimmable with presence and daylight detection			
				SENS			Presence and daylight detection			
			MPT				Microprismatic optic			
			MPT-F				Microprismatic optic with with micro diffuser foil			
			OPC				3D comfort optic with microprismatic center and opal side elements			
			MC				Minicell reflector optic, matte silver painted			
		830					CRI 80 3000 K			
		840					CRI 80 4000 K			
		930					CRI 90 3000 K			
		940					CRI 90 4000 K			
	3000						3000lm			
	3800						3800lm			
	4300						4300lm			
IQ BEAM	Product range									



SURFACE-MOUNTED KITS

IQ BEAM MC Q600

IQ BEAM OP Q600 & Q625

IQ BEAM MTP/MPT-F Q600 & Q625

Configure the ideal product solution with myProduct. The myProduct configurator allows you to quickly and easily configure the luminaire to suit your individual needs. Try it now at www.thornlighting.com/myproduct



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries. thornlighting.com/guarantee

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. 10/2021 (INT)

WE MAKE LIGHT WORK

