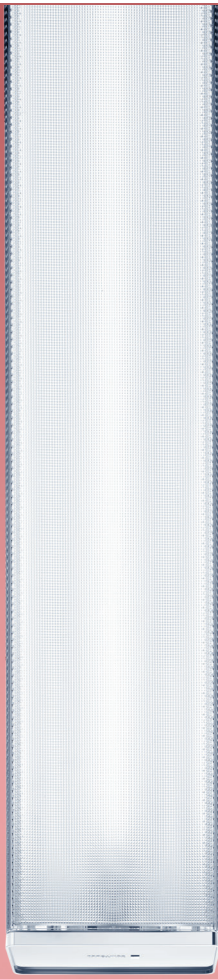




ZUMTOBEL



ICOS

Individual luminaire and continuous row system

Energy Efficient Lighting System

Office
Conference Rooms
Libraries
Education
Health Care



erhalten	E	B/V	V	E	prim	ges. Leistung
	0	10	10	E	50	60
	60	0	10	B/V	140	100
	0	10	10	V	50	30

Ges. Kosten = prim. Kosten + sek. Kosten

$$2000x = 200\,000 + 10\,000y$$

$$10250y = 45\,000 +$$

$$x - 5y = 100$$

$$-x + 205y = 500$$

$$200y = 1000 \Rightarrow y = 5$$

$$x = 125$$

$$\begin{pmatrix} 6 & -1 \\ 0 & -1 \\ 0 & 0 \end{pmatrix}$$

$$16x_E = 64$$

$$-x_E + 8 = 5$$

$$6x_E - 3 - 4 = 5$$

ICOS provides 360° light for a versatile range of uses and maximum economic efficiency.






ICOS is an efficient indirect/direct luminaire with a brilliant look which enhances both workspaces and communication areas alike. Its complex system of optics and reflectors is highly effective, delivering light which fulfills specific tasks in every respect. Indirect, direct and lateral light components ensure efficient task area lighting and also allow vertical illuminance. As a pendant, ICOS provides 360° light using just a single light source.

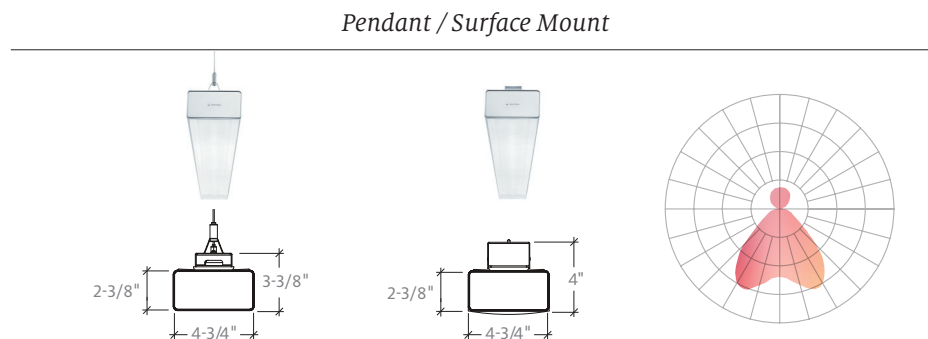
Visual Comfort

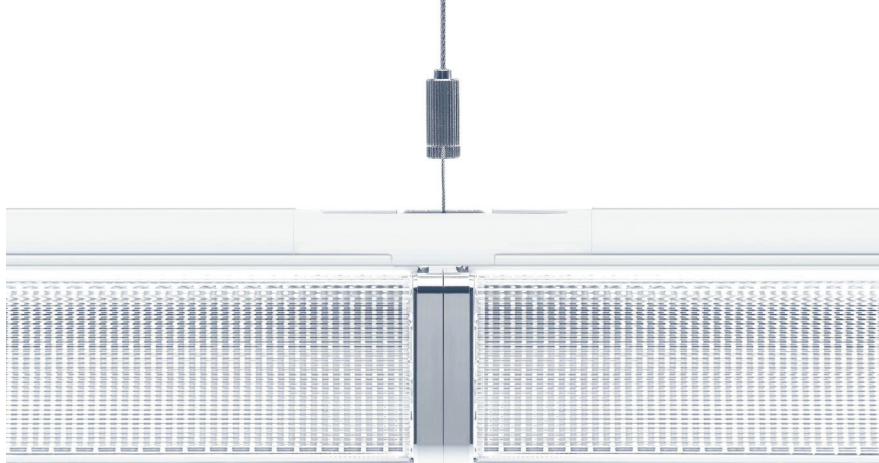
The comfort optic ensures optimum glare control with UGR < 19 and luminance levels of $L65 < 3000 \text{ cd/m}^2$. ICOS delivers excellent visual comfort in areas such as offices, classrooms and healthcare facilities.

High Performance

High lumen packages allow for wider spacings between individual luminaires, delivering up to 4000 lumens while still maintaining excellent glare control at UGR < 19.

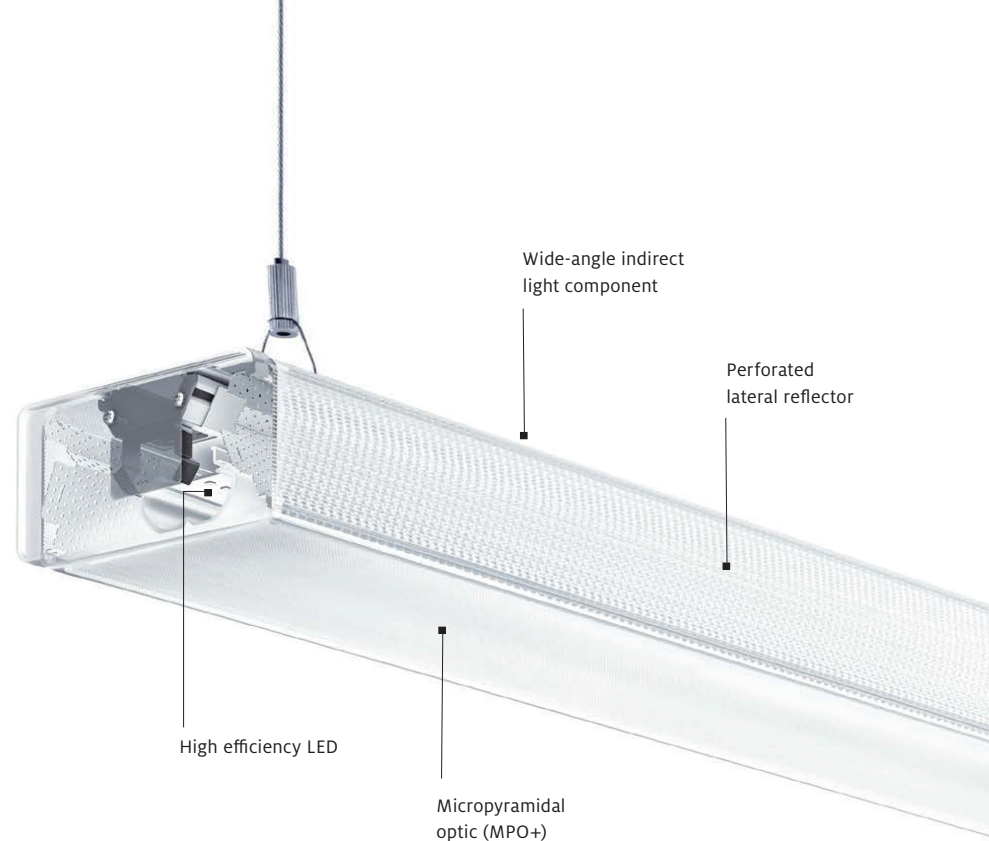
PENDANT / CONTINUOUS	SURFACE / CONTINUOUS	TECTON
		
<i>Measurements per foot</i>		
Pendant 4' and 8' individual	Surface 4' and 8' individual	TECTON 4' Individual
Delivered Lumens High efficiency: 700 lm/ft High output: 1000 lm/ft	Delivered Lumens High efficiency: 700 lm/ft High output: 1000 lm/ft	Delivered Lumens High efficiency: 665 lm/ft High output: 843 lm/ft
Watts High efficiency: 8.5 w/ft High output: 13 w/ft	Watts High efficiency: 8.5 w/ft High output: 13 w/ft	Watts High efficiency: 7.5 w/ft High output: 11 w/ft
Efficacy High efficiency: 90 lm/w High output: 83 lm/ft	Efficacy High efficiency: 90 lm/w High output: 83 lm/ft	Efficacy High efficiency: 89 lm/w High output: 78 lm/ft
UGR < 19	UGR < 19	UGR < 19
CCT: 3000 K 3500 K 4000 K CRI: 80+		



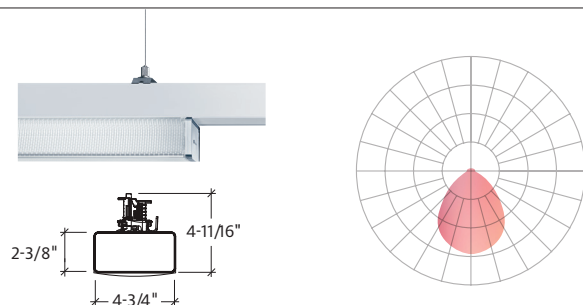


ICOS Continuous Row System

Installing ICOS as a continuous row system is quick and easy – connectors are available that join the luminaires together securely at their front sides. The shape and color of the connectors become part of the luminaire, resulting in a consistent, visually lightweight appearance. Pendant suspension points are located directly above the joints, thus completing the uncluttered look of the ICOS continuous row system. On the ceiling, fine adjustment is provided by a suspension device that compensates for tolerances.



TECTON Mount Option



360° light with low glare, UGR < 19 (for Pendant and Surface Mount)

Single-piece Micro-Pyramidal Optic (MPO) with multi-layer construction for defined emission

Perforated aluminum reflector provides illumination on each side and reduces luminance levels

Luminaire pre-wired using halogen-free leads

TECTON compatible luminaire for quick and easy installation

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zumtobel.us

Zumtobel Lighting, Inc. (Americas Division), based in Highland, New York, is a subsidiary of Zumtobel Group AG. As an innovation leader in the North and South American markets, Zumtobel provides next-generation lighting solutions and luminaires. Designed in both the United States and Austria, Zumtobel luminaires are manufactured in Highland, New York. Zumtobel Lighting, Inc. strives to meet the evolving needs of its customers and ships its most popular product in 10 days or less.

Zumtobel is a brand of Zumtobel AG with its head office in Dornbirn, Vorarlberg (Austria).