

FUSION EASY-KLIMAPLUS



A linear luminaire for use in Interlu Easy-KlimaPlus climate ceilings with a prismatic lens or an opal diffuser. This LED luminaire is developed as an alternative for T5 line fluorescent luminaires to apply in both refurbishment and new building projects

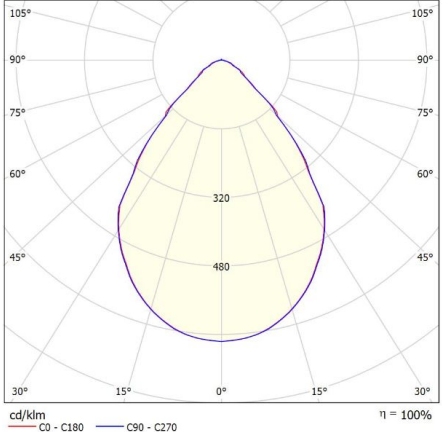
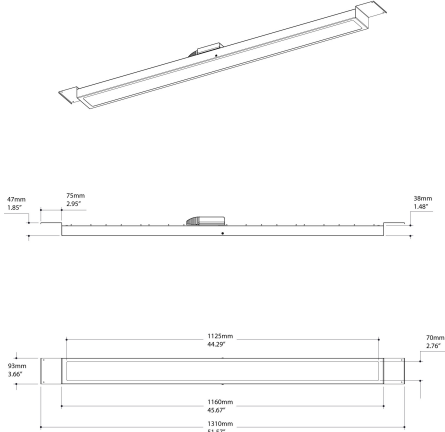
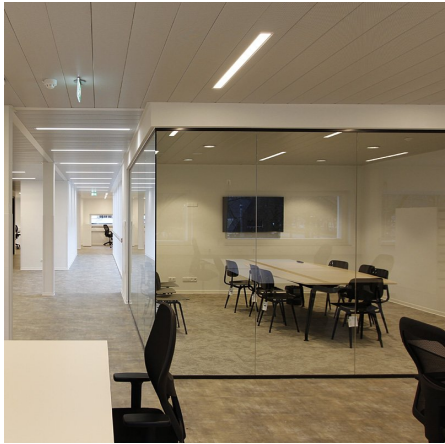
- Integrates seamless into Interlu Easy-KlimaPlus metal ceilings
- Architectural appearance
- Equipped with a prismatic lens (UGR <19) or an opal diffuser

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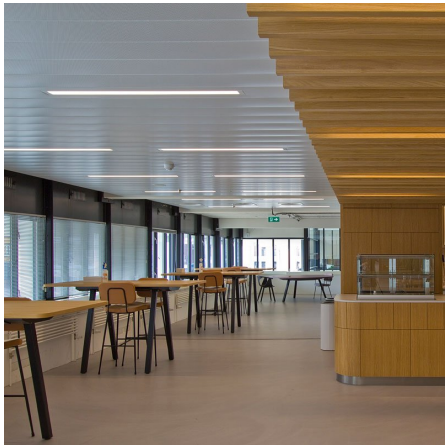
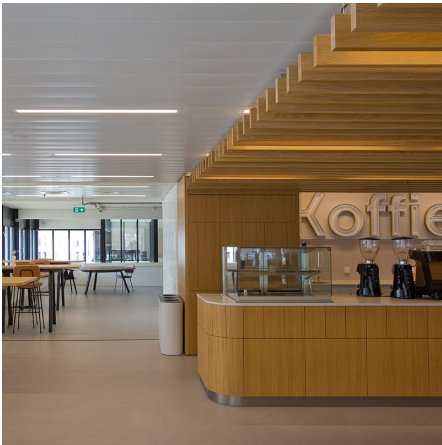
[Photometrics Fusion-EKP](#)

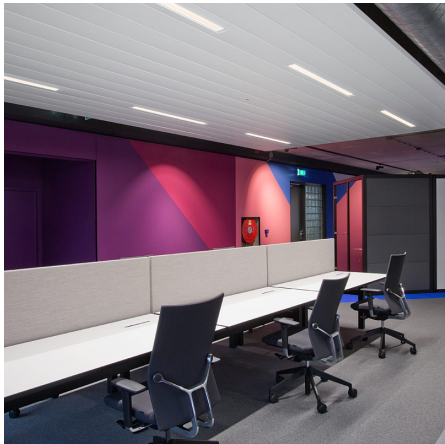
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PRODUCT IMAGES



Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	
p Walls		50	30	50	30	20	50	30	50	30	20	
p Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	17.3	18.2	17.6	18.4	18.7	17.2	18.2	17.5	18.4	18.6	
	3H	17.6	18.4	17.9	18.7	19.0	17.6	18.4	17.9	18.7	18.9	
	4H	17.8	18.6	18.1	18.9	19.1	17.8	18.6	18.1	18.8	19.1	
	6H	17.9	18.6	18.2	18.9	19.2	17.9	18.6	18.2	18.9	19.2	
	8H	17.9	18.6	18.3	18.9	19.3	17.9	18.6	18.3	18.9	19.2	
4H	2H	18.0	18.6	18.3	18.9	19.3	17.9	18.6	18.3	18.9	19.2	
	3H	17.3	18.1	17.6	18.4	18.7	17.3	18.1	17.6	18.3	18.6	
	4H	17.6	18.4	18.2	18.8	19.1	17.6	18.4	18.1	18.8	19.1	
	6H	18.1	18.6	18.5	19.0	19.4	18.1	18.6	18.5	19.0	19.4	
	8H	18.3	18.8	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5	
8H	2H	18.3	18.8	18.8	19.2	19.6	18.3	18.7	18.7	19.1	19.6	
	3H	18.4	18.8	18.8	19.2	19.6	18.3	18.7	18.8	19.2	19.6	
	4H	18.1	18.6	18.6	19.0	19.4	18.1	18.6	18.6	19.0	19.4	
	6H	18.4	18.7	18.8	19.2	19.6	18.4	18.7	18.8	19.1	19.6	
	8H	18.5	18.8	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7	
12H	2H	18.6	18.8	19.1	19.3	19.8	18.5	18.8	19.0	19.2	19.8	
	3H	18.1	18.5	18.6	18.9	19.4	18.1	18.5	18.5	18.9	19.4	
	4H	18.4	18.7	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6	
	6H	18.4	18.7	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6	
	8H	18.5	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7	
Variation of the observer position for the luminaires distances S												
S = 1.0H		+1.2 / -1.7					+1.1 / -1.6					
S = 1.5H		+2.3 / -2.1					+2.4 / -1.9					
S = 2.0H		+3.8 / -2.8					+3.9 / -2.9					
Standard table		BK02					BK02					
Correction Summand		0.4					0.4					
Corrected Glare Indices referring to 3626lm Total Luminous Flux												





NOTES

ADDITIONAL INFORMATION

Colour temperature	Tunable white, 3000K, 4000K
Air extraction	N/A
CIE Flux Code	76 94 99 99 100
Appliance class	Class-II
Application	Education, Hospitality, Municipality, Office, Retail
Colour consistency (SDCM)	SDCM = 3
Colour Rendering Index (CRI)	CRI80, CRI90
Designed	Philip Feenstra, 2018
Driver position	Attached to the luminaire, Separate driving position
Luminaire efficacy	135lm / W - 147lm / W
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
Gross weight	6.0KG
Height	50mm
IP-class	IP20 (top) / IP40 (bottom)
Length	1160mm
Lighting control	Optional
Material	Steel, Acrylate, Polycarbonate
Mounting depth	50mm
Operational temperature	-20 ° C / + 40 ° C
Optic	Microprismatic lens, Opal diffuser
Orientation	Down
Power factor	>0.9
Primary connection	GST18i3, GST18i5 pastel blue, On the driver
Product colour	RAL9010 matt, RAL9016 matt
Shape	Rectangular
Voltage / frequency	220-240V, 50 / 60Hz
Way of mounting	Recessed
Width	93mm
Number of modules	4S
Emergency lighting	Optional 1 hour of autonomy (self-test)

Packaging dimensions

Bulk packaging

Glare (UGR)

<19

Energy label

A++

Photobiological safety

IEC 62471: RG1 (low risk)

Fusion

4S 16W 2100lm 3000K CRI80 G7 (optic 1125mm), 4S 16W 2250lm 4000K CRI80 G7 (optic 1125mm), 4S 18W 2450lm 3000K CRI80 G7 (optic 1125mm), 4S 18W 2650lm 4000K CRI80 G7 (optic 1125mm), 4S 21W 2750lm 3000K CRI80 G7 (optic 1125mm), 4S 21W 3000lm 4000K CRI80 G7 (optic1125mm), 4S 24W 3100lm 3000K CRI80 G7 (optic 1125mm), 4S 24W 3350lm 4000K CRI80 G7 (optic1125mm), 4S 28W 3600lm 3000K CRI80 G7 (optic 1125mm), 4S 28W 3900lm 4000K CRI80 G7 (optic1125mm), 4S 33W 3550lm Tunable White CRI80 G7 (optic 1125mm), 5S 15W 2100lm 3000K CRI80 G7 (optic1405mm), 5S 15W 2250lm 4000K CRI80 G7 (optic1405mm), 5S 18W 2450lm 3000K CRI80 G7 (optic 1405mm), 5S 18W 2650lm 4000K CRI80 G7 (optic1405mm), 5S 21W 2800lm 3000K CRI80 G7 (optic1405mm), 5S 21W 3000lm 4000K CRI80 G7 (optic 1405mm), 5S 24W 3150lm 3000K CRI80 G7 (optic1405mm), 5S 24W 3350lm 4000K CRI80 G7 (optic1405mm), 5S 28W 3650lm 3000K CRI80 G7 (optic1405mm), 5S 28W 3900lm 4000K CRI80 G7 (optic1405mm), 5S 33W 3550lm Tunable White CRI80 G7 (optic 1405mm), Version to be determined

