FUSION-CG

Fusion-CG, a range of LED luminaires with modular sizes for use in false ceilings with concealed grid structures. The luminaires are made of a lightweight composite panel material consisting of two layers of painted aluminum skin with a thermoplastic core in between. The material has excellent thermal and fire resistance values, sound insulation and is extremely flat.

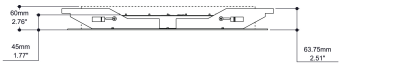
- Suitable for use in combination with all common recessed grid ceiling systems
- Architectural aspect
- Equipped with a prismatic lens (UGR <19) or an opal diffuser

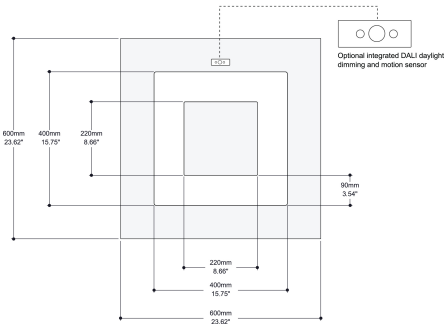
Downloads

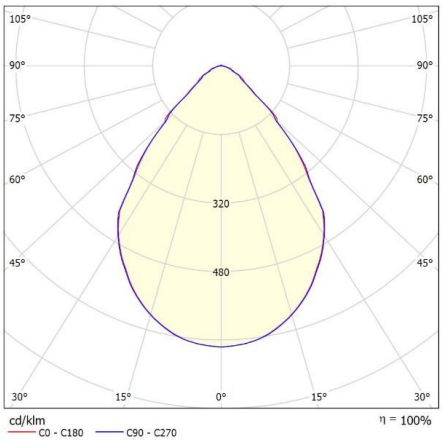
Photometrics Fusion-CG

Create your own custom made product, download the PDF specsheet or add to quote:

PRODUCT IMAGES







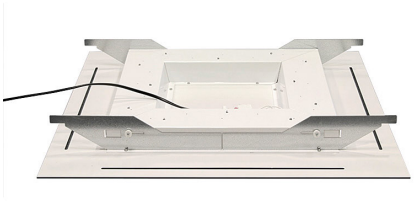
f-waardering volgens UGR

ρ Plafond	70	70	50	50	30	70	70	50	50	30
ρ Muren	50	30	50	30	30	50	30	50	30	30
ρ Vloer	20	20	20	20	20	20	20	20	20	20
Ruimteafmeting X / Y	Perspectief dwars t.o.v. lampenas					Perspectief langs t.o.v. lampenas				
2H 2H	17.4	18.4	17.7	18.6	18.8	17.4	18.3	17.7	18.6	18.8
3H	17.8	18.6	18.1	18.9	19.1	17.7	18.6	18.0	18.8	19.1
4H	17.9	18.7	18.3	19.0	19.3	17.9	18.7	18.3	19.0	19.3
6H	18.1	18.8	18.4	19.1	19.4	18.0	18.8	18.4	19.1	19.4
8H	18.1	18.8	18.4	19.1	19.4	18.1	18.7	18.4	19.1	19.4
12H	18.1	18.8	18.5	19.1	19.4	18.1	18.7	18.4	19.1	19.4
4H 2H	17.5	18.3	17.8	18.5	18.8	17.4	18.2	17.8	18.5	18.8
3H	17.9	18.6	18.3	18.9	19.3	17.9	18.6	18.3	18.9	19.2
4H	18.2	18.8	18.6	19.2	19.5	18.2	18.8	18.6	19.1	19.5
6H	18.4	18.9	18.8	19.3	19.7	18.4	18.9	18.8	19.3	19.7
8H	18.5	18.9	18.9	19.3	19.7	18.5	18.9	18.9	19.3	19.7
12H	18.5	18.9	19.0	19.4	19.8	18.5	18.9	19.0	19.3	19.8
8H 4H	18.3	18.7	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5
6H	18.5	18.9	19.0	19.3	19.8	18.5	18.9	19.0	19.3	19.8
8H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.3	19.8
12H	18.7	19.0	19.2	19.4	20.0	18.7	18.9	19.2	19.4	19.9
12H 4H	18.3	18.7	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5
6H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.7
8H	18.6	18.9	19.1	19.3	19.9	18.6	18.8	19.1	19.3	19.8

Variatie op waarnemerpositie voor lampafstanden 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
Standaardtabel	BK02	BK02
Correctie-opteltal	0.6	0.6

Gecorrigeerde verblindingsindicatie in relatie tot 3793lm Totale lichtstroom



NOTES

ADDITIONAL INFORMATION

Colour temperature	Tunable white, 3000K, 4000K
Air extraction	Optional
CIE Flux Code	76 94 99 99 100
Appliance class	Class-II
Application	Education, Hospitality, Municipality, Office, Retail
Colour consistancy (SDCM)	SDCM = 3
Colour Rendering Index (CRI)	CRI80, CRI90
Designed	Philip Feenstra, 2013
Driver position	Separate driving position
Luminaire efficacy	>125lm/W
Expected lifetime	L90B50@60.000h (Tq 25 ° C)
Gross weight	6.0KG
Height	50mm
IP-class	IP20 (top) / IP40 (bottom)
Length	On demand, 600mm
Lighting control	Optional
Material	Di-bond, 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	Matt white
Shape	Rectangular
Voltage / frequency	220-240V, 50 / 60Hz
Way of mounting	Recessed
Width	On demand, 600mm
Number of modules	4S
Emergency lighting	Optional 1 hour of autonomy (self-test)

Packaging dimensions	Bulk packaging
Glare (UGR)	UGR<22, <19
Energy label	A++
C-hook height	On demand
Photobiological safety	IEC 62471: RG1 (low risk)
Fusion 600x600	4S 16W 2100lm 3000K CRI80 G7, 4S 16W 2250lm 4000K CRI80 G7, 4S 18W 2450lm 3000K CRI80 G7, 4S 18W 2650lm 4000K CRI80 G7, 4S 21W 2750lm 3000K CRI80 G7, 4S 21W 3000lm 4000K CRI80 G7, 4S 24W 3100lm 3000K CRI80 G7, 4S 24W 3350lm 4000K CRI80 G7, 4S 28W 3600lm 3000K CRI80 G7, 4S 28W 3900lm 4000K CRI80 G7, Version to be determined