

SIGMA GEN3



Sigma Gen3 luminaire combines functionality with clear streamlined appearance. Sigma Gen3 is an environmentally tolerant (IP65 & IK09/IK08) luminaire with seamless wall surfaces that are easy to keep clean. Surface treatment options are available for different applications and environments.

Benefits

LED high bay luminaire with high luminous output and energy efficiency for industry and sport premises. Environmentally tolerant structure for demanding conditions (IP65 & IK09/IK08 & pressure equalizing vent). Luminaire is easy to assemble, keep clean and maintain.

Suitability

Thanks to its versatile light distributions, the luminaire is well suited for lighting industrial or food industry premises, warehouses as well as sports facilities. The most efficient versions in terms of light output are particularly suitable for lighting high industrial premises.



Product families and variants

MODEL	TYPE CODE	POWER	LUMINOUS FLUX	LUMINAIRE EFFICACY	LIFETIME	OPERATING TEMPERATURE
Sigma Gen3 677mm	GLSG301093	93 W	14340 lm	154 lm/W	L80B50=100 000h, L90B50=50 000h, C10 100 000h	-20 - +40°C
Sigma Gen3 1260mm	GLSG301137	137 W	22250 lm	162 lm/W	L80B50=100 000h, L90B50=50 000h, C10 100 000h	-20 - +45°C
Sigma Gen3 1260mm	GLSG301207	207 W	31580 lm	153 lm/W	L80B50=72 000h, L90B50=50 000h, C10 100 000h	-20 - +40°C
Sigma Gen3 1260mm	GLSG301265	265 W	38350 lm	145 lm/W	L80B50=72 000h, L90B50=50 000h, C10 100 000h	-20 - +30°C

Notes:

All values at ambient temperature +25°C, CCT 4000K, CRI80, light distribution 90° deg, luminous flux +-10% tolerance, input power tolerance +-10%. Not for condensing operating environment.

Dimensions

MODEL	TYPE CODE	LENGTH (L)	HEIGHT (H)	WIDTH (W)	WEIGHT
Sigma Gen3 677mm	GLSG301093	677 mm	77 mm	244 mm	6,7 kg
Sigma Gen3 1260mm	GLSG301137	1260 mm	77 mm	244 mm	12,0 kg
Sigma Gen3 1260mm	GLSG301207	1260 mm	77 mm	244 mm	12,1 kg
Sigma Gen3 1260mm	GLSG301265	1260 mm	77 mm	244 mm	12,2 kg

General Description

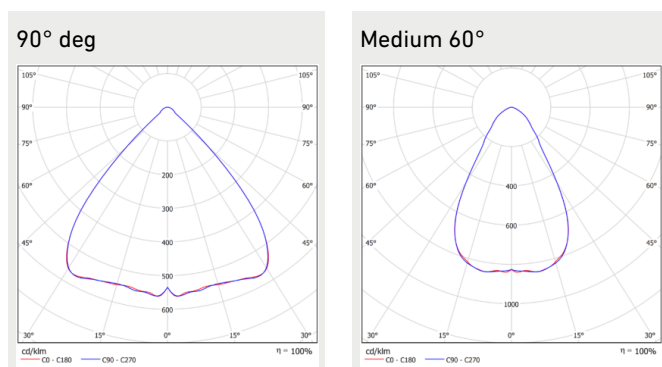
COLOUR TEMPERATURE:	3000, 4000, 5000 K ⁽¹⁾
COLOUR RENDERING INDEX:	$R_A \geq 80$ (option 90)
LIGHT SOURCE SHIELD:	Toughened glass ⁽²⁾
IP CLASS:	IP65

IK CLASS:	IK09 ⁽²⁾
SUPPLY VOLTAGE:	220-240 Vac
FREQUENCY:	50-60 Hz
PF:	> 0.90
THD:	20%
CONNECTION:	Internal terminal block 5*2.5 mm ² OR 3*2.5 mm ² and +/- DALI. (installation cable and chaining option)
DIMMABILITY:	On/Off, DALI
COLOUR:	Anodized grey (Option other RAL-coded colours)
MATERIAL OF THE LUMINAIRE BODY:	Recycled aluminium
GUARANTEE:	5 years
ACCESSORIES (INSTALLATION):	9905220 Sigma ceiling bracket, 9905221 Sigma suspension rail 70 bracket, 9905222 Sigma suspension rail 82 bracket, 9905223 Sigma suspension rail 110 bracket, 9905224 Sigma horizontal wire bracket (max 16 mm), 9905225 Sigma adjustable wall mount, 9905226 Sigma adjustable suspension rail bracket 70, 9905227 Sigma adjustable suspension rail bracket 82, 9905228 Sigma adjustable suspension rail bracket 110, 9905229 Sigma suspension bracket 1260mm, 9905210 Sigma ladder bracket, 9905231 Sigma threaded rod bracket, 9905249 Sigma beam bracket 1260mm
ACCESSORIES (OTHERS):	Antibacterial coating

Notes:

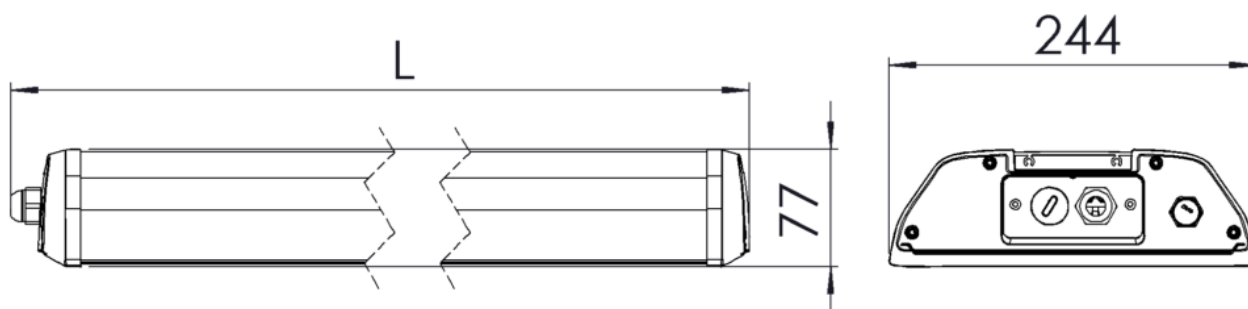
- 1) SDCM ≤ 3
- 2) Option PC (IK09) / PMMA (IK08)

Light distribution



Dimensions

Sigma Gen3 (mm)

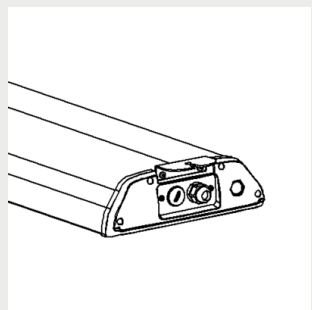


Notes:

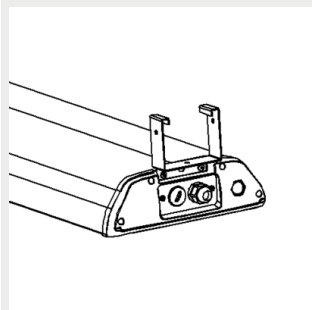
$L = 677 \text{ mm} / 1260 \text{ mm}$

Brackets

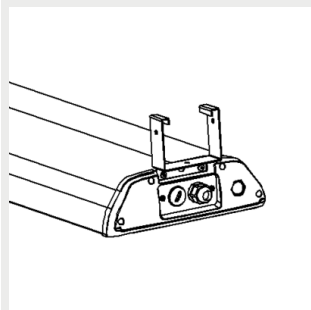
9905220 Sigma ceiling
bracket



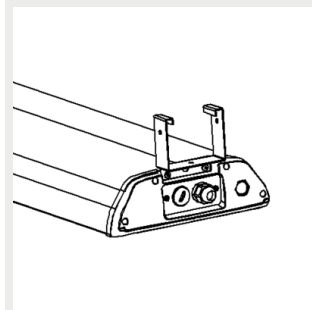
9905221 Sigma suspension
rail 70 bracket



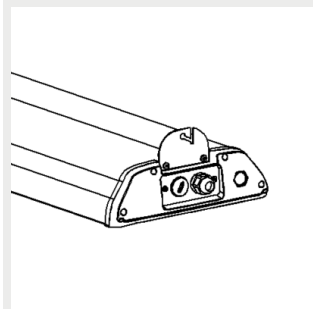
9905222 Sigma suspension
rail 82 bracket



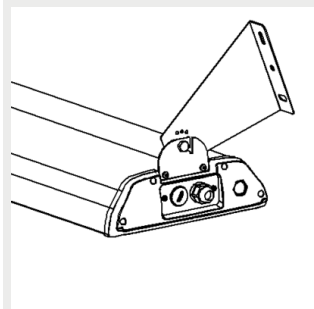
9905223 Sigma suspension
rail 110 bracket



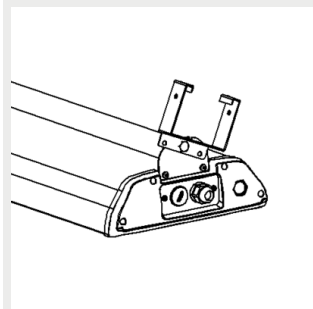
9905224 Sigma horizontal wire bracket (max 16 mm)



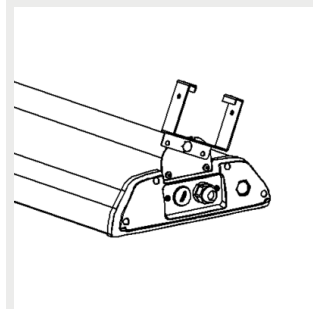
9905225 Sigma adjustable wall mount



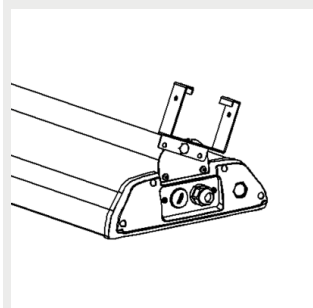
9905226 Sigma adjustable suspension rail bracket 70



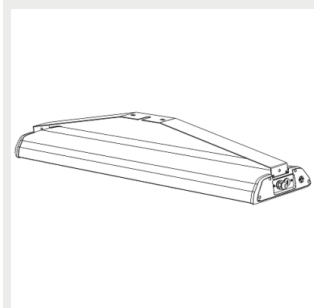
9905227 Sigma adjustable suspension rail bracket 82



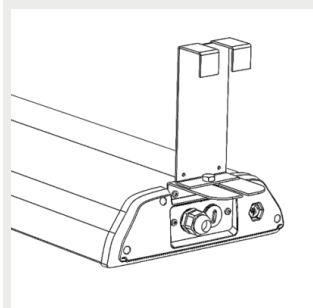
9905228 Sigma adjustable suspension rail bracket 110



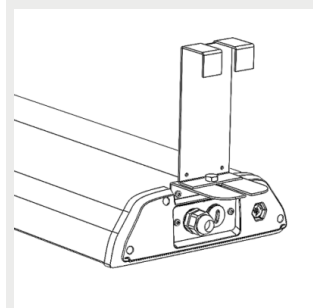
9905229 Sigma suspension bracket 1260mm



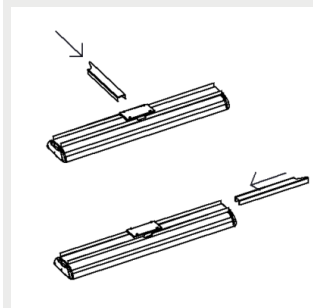
9905210 Sigma ladder bracket



9905231 Sigma threaded rod bracket



9905249 Sigma beam bracket 1260mm



Circuit breakers

	B10	B16	B20	C10	C16	C20
Sigma Gen3 677mm 93W OnOff	20	32	40	23	38	48
Sigma Gen3 677mm 93W DALI	23	36	45	23	38	48
Sigma Gen3 1260mm 137W OnOff	14	22	27	15	25	32
Sigma Gen3 1260mm 137W DALI	14	22	27	15	25	32
Sigma Gen3 1260mm 207W OnOff	6	11	13	10	16	21
Sigma Gen3 1260mm 207W DALI	9	13	15	10	16	21
Sigma Gen3 1260mm 265W OnOff	7	11	13	7	12	15
Sigma Gen3 1260mm 265W DALI	7	11	13	7	12	15

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