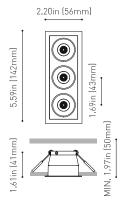




DIMENSIONS



Reference Reference U3193013NMG Color Matt black-Metallized gold Category CEILING RECESSED LIGHT SOURCE LIGHT SOURCE LED Gross luminous flux Color temperature Chromatic stability MacAdam Step 3 Color Rendering Index Power Current LED Lifespan L90810>102.000h LIGHTING FIXTURE PHOTOMETRIC DATA Lighting efficiency Delivered luminous flux Light beam angle LIGHTING FIXTURE ELECTRICAL DATA Driver Power values of the system Dimming Depending on Mounting Accessories OTHER DATA Environmental location Weight Packaging dimensions Materials		PRODUCT
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Category CEILING RECESSED LIGHT SOURCE LED Gross luminous flux Color temperature Chromatic stability Color Rendering Index Power Current LED Lifespan LED Depending on Mounting Accessories Lm Color Rendering Index CRI-90 Depending on Mounting Accessories W Depending on Mounting Accessories mA LED Lifespan LIGHTING FIXTURE PHOTOMETRIC DATA Power Delivered luminous flux Light beam angle LIGHTING FIXTURE ELECTRICAL DATA Requires remote driver Power values of the system Dimming Depending on Mounting Accessories OTHER DATA Environmental location Weight Packaged weight Packaging dimensions 6.97x4.09x2.17 in 177x104x55 mm	Reference	U3193013NMG
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Packaging dimensions 6.97x4.09x2.17 In 177x104x55 mm	Dimming Environmental location	Depending on Mounting Accessories OTHER DATA DAMP
	Dimming Environmental location Weight	OTHER DATA DAMP 0.45 lb 205 gr
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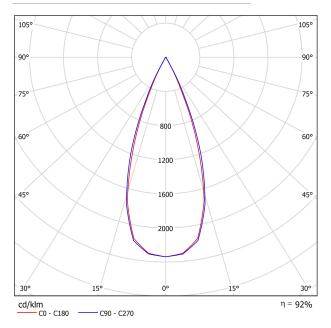


Black Foster is the product that transfers the claimed effect "The Invisible Black" to a recessed-isolated lineal luminary; also available in trimless version. If we take a closer view to the recessed model, its bezel is so thin than when lighted up, it is unperceived; offering an aesthetic of "visual trimless". Black Foster stands out for its refinement, its visual comfort and for almost completely hide the source of light from the human eye range.

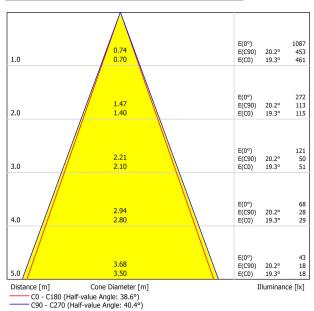




POLAR DIAGRAM



CONICAL DIAGRAM



UGR

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ 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 3H 4H 6H 8H 12H	-4.6 -3.7 -2.4 -0.2 1.2 2.9	-3.9 -3.1 -1.9 0.3 1.7 3.4	-4.3 -3.4 -2.1 0.1 1.5 3.3	-3.7 -2.9 -1.6 0.5 2.0 3.7	-3.5 -2.7 -1.4 0.8 2.3 4.0	-0.8 -0.4 0.3 2.0 3.2 4.7	-0.2 0.1 0.9 2.5 3.7 5.2	-0.6 -0.2 0.6 2.3 3.5 5.1	0.0 0.4 1.1 2.8 4.0 5.5	0.2 0.6 1.4 3.1 4.3 5.8
4H	2H 3H 4H 6H 8H 12H	-4.5 -3.1 -1.4 1.3 2.9 4.8	-3.9 -2.6 -1.0 1.6 3.2 5.0	-4.2 -2.8 -1.0 1.7 3.3 5.2	-3.7 -2.3 -0.7 2.0 3.6 5.4	-3.4 -2.0 -0.3 2.3 4.0 5.9	-0.9 -0.3 0.9 3.1 4.6 6.4	-0.4 0.2 1.3 3.4 4.9 6.6	-0.6 0.1 1.2 3.5 5.0 6.8	-0.1 0.5 1.6 3.8 5.2 7.0	0.1 0.8 1.9 4.1 5.6 7.4
8H	4H 6H 8H 12H	-0.5 2.5 4.4 6.4	-0.2 2.7 4.5 6.6	-0.1 3.0 4.8 6.9	0.2 3.2 5.0 7.0	0.6 3.6 5.4 7.5	1.3 3.9 5.7 7.7	1.6 4.2 5.9 7.9	1.8 4.4 6.1 8.2	2.0 4.6 6.3 8.3	2.4 5.0 6.8 8.8
12H	4H 6H 8H	-0.1 3.0 5.0	0.2 3.2 5.1	0.4 3.5 5.4	0.6 3.6 5.6	1.0 4.1 6.1	1.5 4.3 6.1	1.8 4.4 6.2	2.0 4.7 6.6	2.2 4.9 6.7	2.6 5.3 7.2
Variation of t	he observe	r position	for the lun	ninaire dist	ances S						
S = 1.0H S = 1.5H S = 2.0H		+0.7 / -0.3 +1.4 / -0.5 +2.4 / -0.8				+1.3 / -0.4 +2.7 / -0.7 +4.2 / -1.0					
Standard Correc Summa	tion										
Corrected Gla	re Indices	referring t	o 465lm T	otal Lumin	ous Flux						

