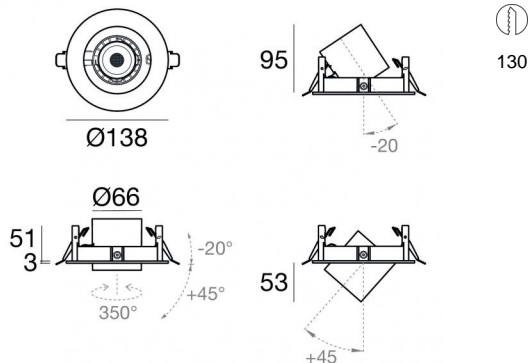




Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98
81663W60



Datos técnicos	
Posición de instalación	Techo
Ambiente de instalación	Interiores
Fuente de luz	LED
Circuit structure	arrayLED
Óptica	Wide Flood
Light emission direction	downward
Potencia nominal	18 W DC
Flujo luminoso (fuente)	2891 lm
Rango de voltaje de entrada	500mA
CCT / Tone	3000 K
Índice de rendimientos cromático	98 Ra
C.C. / C.V.	CC
Clase de aislamiento	3
IP	IP20
Test del hilo incandescente	850°
Montaje directo sobre superficies normalmente inflamables	Sí
CE	Sí
Driver incluido.	No
Artículo regulable	DALI - 1-10V
Orientabilidad	Estraible
ángulo total (plano vertical)	65 °
ángulo total (plano horizontal)	350 °
Basculación	No
Practicabilidad	No
Transitabilidad	No
Cable incluido.	Sí
Largo del cable	0.20 m
Resinado	No
Tipología de emisión luminosa	Una emisión
Peso neto	0.920 Kg
Protección descargas electrostáticas	No
Protección contra sobretensiones	No

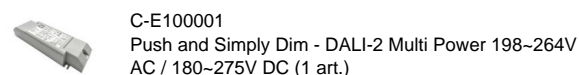
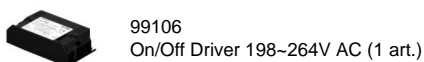
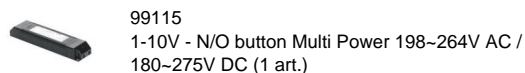
Acabado cuerpo

Material	Aluminio fundido EN AB - 46100
Color	Blanco
Elaboración	Recubrimiento en polvo

Acabado montura

Material	Aluminio fundido EN AB - 46100
Color	Blanco
Elaboración	Recubrimiento en polvo

Electrónica



Cables Electrification

Cable connector	No
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Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98 81663W60

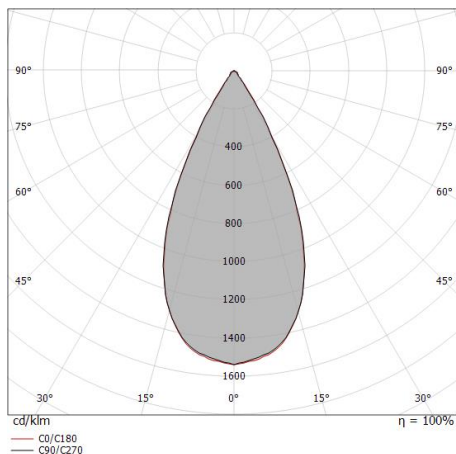
Single emission recessed downlights for indoor application. The warm white LED light source is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 2891 lm, with a 160.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.920 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 18 W. The power supply cable is included and features a 0.20 m length.

The device features protection class III and can be ceiling-mounted, with a 130 mm diameter hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.47 0.46	E(0°) 10912 E(C90) 25.0° 4073 E(C0) 24.7° 4124
1.0	0.93 0.92	E(0°) 2728 E(C90) 25.0° 1018 E(C0) 24.7° 1031
1.5	1.40 1.38	E(0°) 1212 E(C90) 25.0° 453 E(C0) 24.7° 458
2.0	1.87 1.84	E(0°) 682 E(C90) 25.0° 255 E(C0) 24.7° 258
2.5	2.33 2.30	E(0°) 436 E(C90) 25.0° 163 E(C0) 24.7° 165
3.0	2.80 2.76	E(0°) 303 E(C90) 25.0° 113 E(C0) 24.7° 115

— C0/C180 (Half-peak divergence: 49.4°)
— C90/C270 (Half-peak divergence: 50.0°)

Clase de eficiencia energética

Este producto contiene una fuente de luz de clase de eficiencia energética E.

Características Luminotécnicas

Light Output Ratio (LOR)	61 %
Flujo luminoso (fuente)	2891 lm
Flujo luminoso de luminaria	1773 lm
Consumption	18 W
Rendimiento luminoso de las luminarias	98 lm/W
Temperatura de color	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Índice de rendimientos cromático	98 Ra
Black Body Locus	On
Temperatura estándar del ambiente de servicio	-20 / +50°C
Temperatura típica sobre el vidrio	40°C

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	20.4
UGR transversal	20.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Óptica C0/C180	49°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC



Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98

81663W60

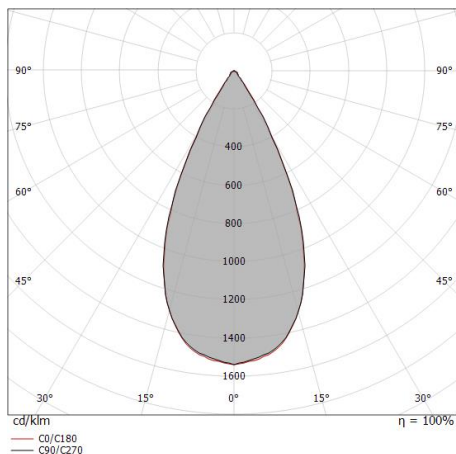
Single emission recessed downlights for indoor application. The warm white LED light source is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 2891 lm, with a 160.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.920 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 18 W. The power supply cable is included and features a 0.20 m length.

The device features protection class III and can be ceiling-mounted, with a 130 mm diameter hole (in plasterboard).

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	illuminance [lx]	E(0°)	E(C90)	E(C0)
0.5	0.47 0.46	7964 2972 3010	25.0°	24.7°	
1.0	0.93 0.92	1991 743 753	25.0°	24.7°	
1.5	1.40 1.38	885 330 334	25.0°	24.7°	
2.0	1.87 1.84	498 186 188	25.0°	24.7°	
2.5	2.33 2.30	319 119 120	25.0°	24.7°	
3.0	2.80 2.76	221 83 84	25.0°	24.7°	

— C0/C180 (Half-peak divergence: 49.4°)
— C90/C270 (Half-peak divergence: 50.0°)

Clase de eficiencia energética

Este producto contiene una fuente de luz de clase de eficiencia energética E.

Características Luminotécnicas

Light Output Ratio (LOR)	44 %
Flujo luminoso (fuente)	2891 lm
Flujo luminoso de luminaria	1294 lm
Consumption	12 W
Rendimiento luminoso de las luminarias	107 lm/W
Temperatura de color	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Índice de rendimientos cromático	98 Ra
Black Body Locus	On
Temperatura estándar del ambiente de servicio	-20 / +50°C
Temperatura típica sobre el vidrio	40°C

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

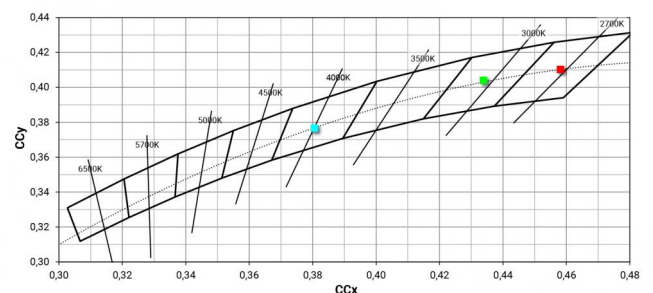
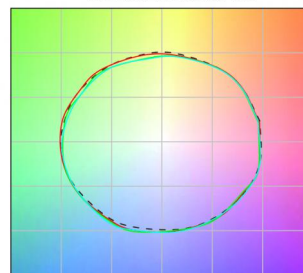
UGR

UGR axial	19.3
UGR transversal	19.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20








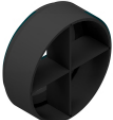
OPTICAL

Óptica C0/C180	49°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





	<p>Óptica Distribución de la luz: spot,Material de revestimiento: policarbonato resistente a los rayos uv</p>	<p>Code <u>99827</u></p>
	<p>Óptica Distribución de la luz: medium flood,Material de revestimiento: ,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv</p>	<p>Code <u>99828</u></p>
	<p>Óptica Distribución de la luz: flood,Material de revestimiento: ,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv</p>	<p>Code <u>99829</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: louvre de nido de abeja. Material:Pom-C, color:Negro.</p>	<p>Code <u>99780</u></p>
	<p>Difusor Tipo de difusor: filtro ellittico. Material:Pom-C, color:Negro.</p>	<p>Code <u>99781</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: schermo cilindrico 45°. Material:Pom-C, color:Negro.</p>	<p>Code <u>99782</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: schermo cilindrico. Material:Pom-C, color:Negro.</p>	<p>Code <u>99783</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: frangiluce a croce. Material:Pom-C, color:Negro.</p>	<p>Code <u>99779</u></p>



Carretero

posición de instalación: techo L=115mm, H=99.6mm, D=120mm.

Material:PC, color:negro.

Finish

Black

Code

99510