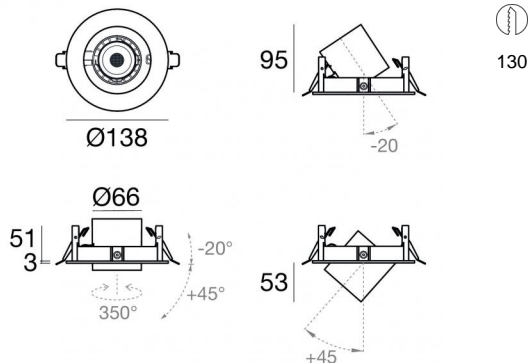




Downlights | 1 arrayLED 18 W DC 500 mA | CRI 98
81664M30



Datos técnicos	
Posición de instalación	Techo
Ambiente de instalación	Interiores
Fuente de luz	LED
Circuit structure	arrayLED
Óptica	Medium Flood
Light emission direction	downward
Potencia nominal	18 W DC
Flujo luminoso (fuente)	2750 lm
Rango de voltaje de entrada	500mA
CCT / Tone	2700 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

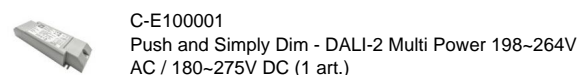
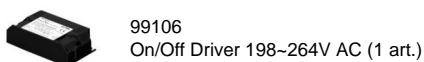
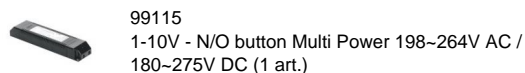
Acabado cuerpo

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

Acabado montura

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

Electrónica



Cables Electrification

Cable connector	No
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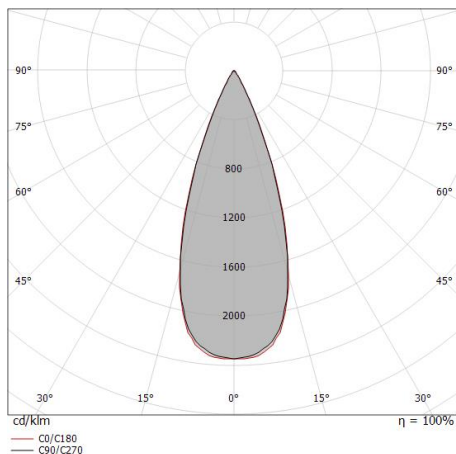
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 98; the source luminous flux is 2750 lm, with a 152.8 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a black 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]	E(0°)	E(C90)	E(C0)
0.5	0.35 0.35	11976	19.1° 5103	19.2° 5083
1.0	0.69 0.70	2994	19.1° 1276	19.2° 1271
1.5	1.04 1.04	1331	19.1° 567	19.2° 565
2.0	1.39 1.38	748	19.1° 319	19.2° 318
2.5	1.73 1.74	479	19.1° 204	19.2° 203
3.0	2.08 2.09	333	19.1° 142	19.2° 141

— C0/C180 (Half-peak divergence: 38.4°)
— C90/C270 (Half-peak divergence: 38.2°)

Clase de eficiencia energética

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

Características Luminotécnicas

Light Output Ratio (LOR)	46 %
Flujo luminoso (fuente)	2750 lm
Flujo luminoso de luminaria	1274 lm
Consumption	12 W
Rendimiento luminoso de las luminarias	106 lm/W
Temperatura de color	2700 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)

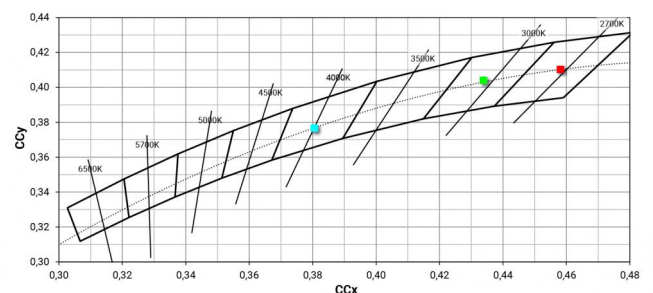
UGR

UGR axial	17.3
UGR transversal	17.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Óptica C0/C180	38°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC



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

81664M30

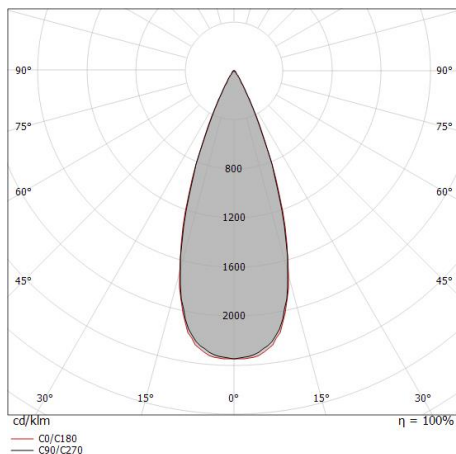
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 98; the source luminous flux is 2750 lm, with a 152.8 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the mounting frame is made of die-cast aluminium en ab - 46100, with a black 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	0.35 0.35	E(0°) 16409 E(C90) 19.1° 6993 E(C0) 19.2° 6965
1.0	0.69 0.70	E(0°) 4103 E(C90) 19.1° 1748 E(C0) 19.2° 1741
1.5	1.04 1.04	E(0°) 1823 E(C90) 19.1° 777 E(C0) 19.2° 774
2.0	1.39 1.38	E(0°) 1026 E(C90) 19.1° 437 E(C0) 19.2° 435
2.5	1.73 1.74	E(0°) 656 E(C90) 19.1° 280 E(C0) 19.2° 279
3.0	2.08 2.09	E(0°) 456 E(C90) 19.1° 194 E(C0) 19.2° 193

— C0/C180 (Half-peak divergence: 38.4°)
— C90/C270 (Half-peak divergence: 38.2°)

Clase de eficiencia energética

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

Características Luminotécnicas

Light Output Ratio (LOR)	63 %
Flujo luminoso (fuente)	2750 lm
Flujo luminoso de luminaria	1745 lm
Consumption	18 W
Rendimiento luminoso de las luminarias	96 lm/W
Temperatura de color	2700 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)

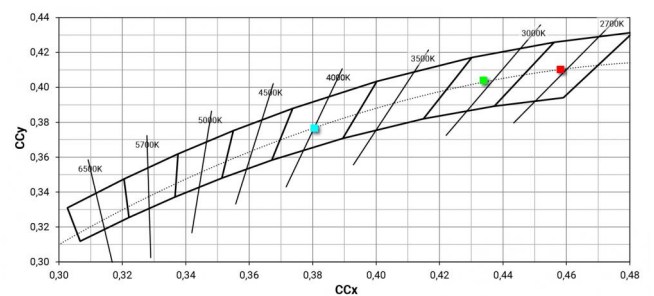
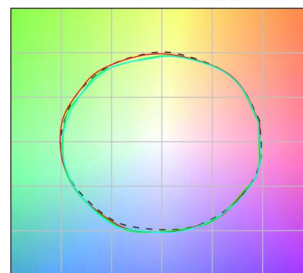
UGR

UGR axial	18.4
UGR transversal	18.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20








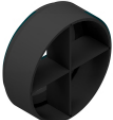
OPTICAL

Óptica C0/C180	38°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





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



Carretero

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

Material:PC, color:negro.

Finish

Black

Code

99510