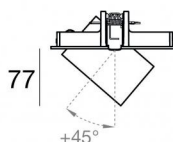
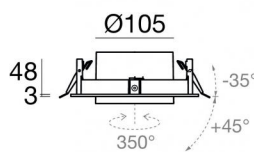
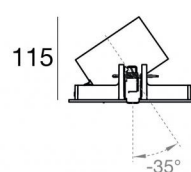
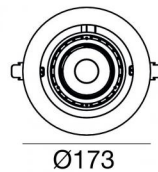




Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90  
81668W15



Datos técnicos	
Posición de instalación	Techo
Ambiente de instalación	Interiores
Fuente de luz	LED
Circuit structure	arrayLED
Óptica	Spot
Light emission direction	frontal
Potencia nominal	35 W DC
Flujo luminoso (fuente)	5019 lm
Rango de voltaje de entrada	950mA
CCT / Tone	3000 K
Índice de rendimientos cromático	90 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	Estraibile
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	1.1 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



99239  
On/Off Driver 198-264V AC



99345  
DALI - Push and Simply Dim Multi Power 198-264V AC / 176-275V DC



83008  
1-10V - Push and Simply Dim - DALI-2 Controller

### Cables Electrification

Cable connector	No
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Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90  
81668W15

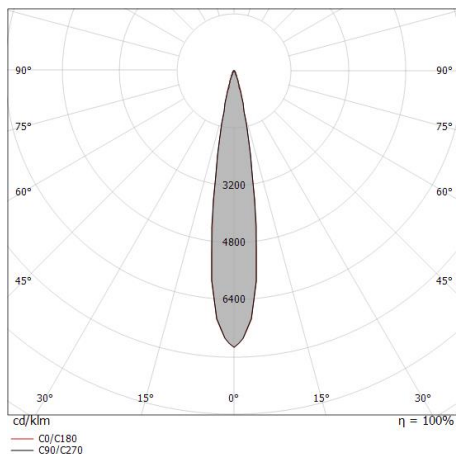
Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5019 lm, with a 143.4 lm/W nominal luminous efficacy.

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 1.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 35 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 162 mm diameter hole (in plasterboard) with an outer casing, code 99479(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.15 0.15	E(0°) 124290 E(C90) 8.7° 60538 E(C0) 8.6° 60758
1.0	0.31 0.30	E(0°) 31073 E(C90) 8.7° 15134 E(C0) 8.6° 15189
1.5	0.46 0.45	E(0°) 13810 E(C90) 8.7° 6726 E(C0) 8.6° 6751
2.0	0.61 0.60	E(0°) 7768 E(C90) 8.7° 3784 E(C0) 8.6° 3797
2.5	0.77 0.76	E(0°) 4972 E(C90) 8.7° 2422 E(C0) 8.6° 2430
3.0	0.92 0.91	E(0°) 3453 E(C90) 8.7° 1682 E(C0) 8.6° 1688

— C0/C180 (Half-peak divergence: 17.2°)  
— C90/C270 (Half-peak divergence: 17.4°)

### Clase de eficiencia energética

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

### Características Luminotécnicas

Light Output Ratio (LOR)	80 %
Flujo luminoso (fuente)	5019 lm
Flujo luminoso de luminaria	4016 lm
Consumption	35 W
Rendimiento luminoso de las luminarias	114 lm/W
Temperatura de color	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Índice de rendimientos cromático	90 Ra
Colour Rendering Index	60 R9
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	23.6
UGR transversal	23.7
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Óptica C0/C180 17°  
Symmetrical



Downlights | 1 arrayLED 35 W DC 950 mA | CRI 90

**81668W15**

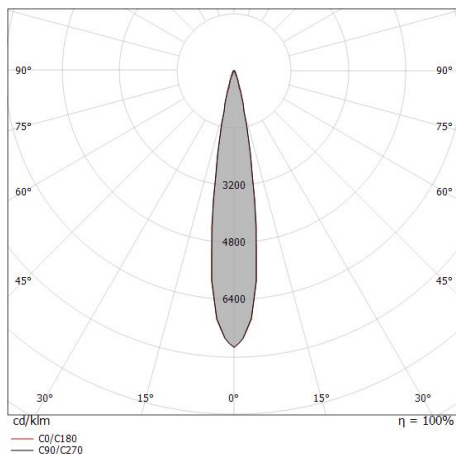
Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 5019 lm, with a 143.4 lm/W nominal luminous efficacy.

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 1.1 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 35 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 162 mm diameter hole (in plasterboard) with an outer casing, code 99479(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.15 0.15	E(0°) 96076 E(C90) 8.7° 46796 E(C0) 8.6° 46966
1.0	0.31 0.30	E(0°) 24019 E(C90) 8.7° 11699 E(C0) 8.6° 11741
1.5	0.46 0.45	E(0°) 10675 E(C90) 8.7° 5200 E(C0) 8.6° 5218
2.0	0.61 0.60	E(0°) 6005 E(C90) 8.7° 2925 E(C0) 8.6° 2935
2.5	0.77 0.76	E(0°) 3843 E(C90) 8.7° 1872 E(C0) 8.6° 1879
3.0	0.92 0.91	E(0°) 2669 E(C90) 8.7° 1300 E(C0) 8.6° 1305

— C0/C180 (Half-peak divergence: 17.2°)  
— C90/C270 (Half-peak divergence: 17.4°)

### 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)	5019 lm
Flujo luminoso de luminaria	3104 lm
Consumption	25 W
Rendimiento luminoso de las luminarias	124 lm/W
Temperatura de color	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Índice de rendimientos cromático	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Temperatura estándar del ambiente de servicio	-20 / +50°C
Temperatura típica sobre el vidrio	40°C

### LED Life / Failure Ratio

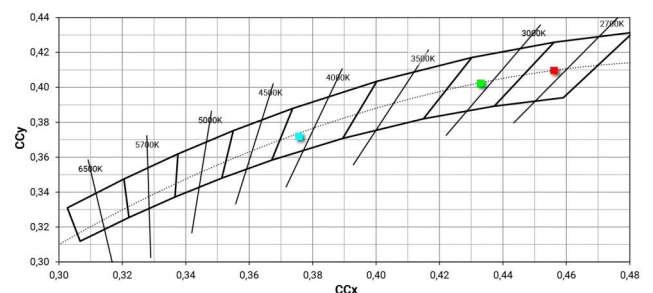
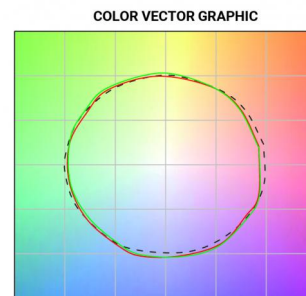
L70 B10 C0 252000h (at Tj 65 Ta 25)

### UGR

UGR axial	22.7
UGR transversal	22.8
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

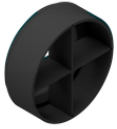
### OPTICAL

Óptica C0/C180 17°  
Symmetrical





	<p>Óptica - SPOT Distribución de la luz: spot,Material de revestimiento: policarbonato resistente a los rayos uv</p>	<p><b>Code</b> <u>C-U300015</u></p>
	<p>Óptica - FLOOD 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><b>Code</b> <u>C-U300016</u></p>
	<p>Óptica - WIDE FLOOD 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><b>Code</b> <u>C-U300017</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: louvre de nido de abeja. Material:Pom-C, color:Negro.</p>	<p><b>Code</b> <u>C-U300014</u></p>
	<p>Óptica Distribución de la luz: regulable,Material de revestimiento: ,aluminio</p>	<p><b>Code</b> <u>C-U300034</u></p>
	<p>Difusor - No es compatible con ópticas de 60°</p>	<p><b>Code</b> <u>C-U300013</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: schermo cilindrico 45°. Material:Pom-C, color:Negro.</p>	<p><b>Code</b> <u>C-U300030</u></p>
	<p>antideslumbramiento Tipo antideslumbrante: schermo cilindrico. Material:Pom-C, color:Negro.</p>	<p><b>Code</b> <u>C-U300029</u></p>



antideslumbramiento  
Tipo antideslumbrante: frangiluce a croce.  
Material:Pom-C, color:Negro.

**Code**  
C-U300031



Caja de empotrar  
L=154mm, H=99.6mm, D=150mm.  
Material:PC, color:negro.

**Finish**      **Code**  
**Black**      99479