Warp_R PRO



Downlights | 1 arrayLED 11 W DC 300 mA | CRI 90 83767M30





Installation position Ceiling Installation environment Indoor Light Source LED Circuit structure Optics Medium Flood Light emission direction Nominal power 11 W DC Source lumens 1487 Im Input voltage range 300mA CCT / Tone 2700 K Colour rendering index C.C. / C.V. CC Safety class IP IP44 Optical compartment IP IP65 Glow wire test Direct mounting on normally flammable surfaces CE Driver included No Dimmable article Directional Titting No Walk-over No Drive-over Cable included No Type of light emission Net weight Electrostatic discharge protection No Electrostatic discharge protection No Electrostatic discharge protection Indoor LED Adding Indoor Lapto Indoor Advantage Amenda Indoor Indoor Advantage Indoor Advantage Indoor Indoor Advantage Indoor Ind		
Installation position Ceiling Installation position Indoor Light Source LED Circuit structure Optics Medium Flood Light emission direction Nominal power Installation environment Indoor Light emission direction Installation downward Nominal power Installation downward Input voltage range Input voltage rang	Technical data	
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Light Source Circuit structure Optics Medium Flood Light emission direction Nominal power Source lumens Input voltage range CCT / Tone Colour rendering index C.C. / C.V. CC Safety class SIP IP44 Optical compartment IP IP65 Glow wire test Direct mounting on normally flammable surfaces CE Driver included Dimmable article Directional No Tilting No Walk-over Drive-over Cable included No Resin potting Type of light emission Net weight Electrostatic discharge protection Medward Mommard Medium Flood downward Medium Flood downward Namy DC Medium Flood Advantage 300mA CCT / Tone 2700 K CC CC Safety class 3 IP IP44 Optical compartment IP IP65 Glow wire test 850° Driver included No DALI - 1-10V No DALI - 1-10V No Single emission No Single emission No Single emission No Electrostatic discharge protection	Installation position	Ceiling
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Light emission direction Nominal power 11 W DC Source lumens 1487 Im Input voltage range 300mA CCT / Tone 2700 K Colour rendering index 90 Ra C.C. / C.V. Safety class 3 IP IP44 Optical compartment IP IP65 Glow wire test Direct mounting on normally flammable surfaces CE Yes Driver included Dimmable article Directional No Tilting No Walk-over No Cable included No Type of light emission Net weight Electrostatic discharge protection No Omage 1487 Im downward 1487 Im 1488 Im 1488 Im 1487 Im 1487 Im	Circuit structure	arrayLED
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Source lumens	Light emission direction	downward
Input voltage range	Nominal power	11 W DC
CCT / Tone 2700 K Colour rendering index 90 Ra C.C. / C.V. CC Safety class 3 IP IP44 Optical compartment IP IP65 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Source lumens	1487 lm
Colour rendering index 90 Ra C.C. / C.V. CC Safety class 3 IP IP44 Optical compartment IP IP65 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Input voltage range	300mA
C.C. / C.V. Safety class 3 IP	CCT / Tone	2700 K
Safety class 3 IP IP44 Optical compartment IP IP65 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Colour rendering index	90 Ra
IP44	C.C. / C.V.	СС
Optical compartment IP IP65 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Safety class	3
Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	IP	IP44
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CE Yes Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Glow wire test	850°
Driver included No Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Direct mounting on normally flammable surfaces	Yes
Dimmable article DALI - 1-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	CE	Yes
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Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Directional	No
Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Tilting	No
Cable included No Resin potting No Type of light emission Single emission Net weight 0.250 Kg Electrostatic discharge protection No	Walk-over	No
Resin potting Type of light emission Net weight O.250 Kg Electrostatic discharge protection No	Drive-over	No
Type of light emission Net weight 0.250 Kg Electrostatic discharge protection No	Cable included	No
Net weight 0.250 Kg Electrostatic discharge protection No	Resin potting	No
Electrostatic discharge protection No	Type of light emission	Single emission
	Net weight	0.250 Kg
Surge protection No	Electrostatic discharge protection	No
	Surge protection	No







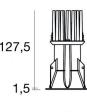
















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Material Die-cast Aluminium EN AB - 46100

Colour

Powder coating Processing

Finishing diffuser

Material UV Resistant Polycarbonate

Colour transparent

Finishing radiator

Material Die-cast Aluminium EN AB - 46100

Processing Tumbling

Electronics



99734

Multi Power 198~264V AC / 180~275V DC (1 art.)



99732

1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)



83322

Push and Simply Dim - DALI-2 Controller (1 art.)

F.O.L.

TVS

Optics technology

Product technological characteristics

Warp_R PRO



Downlights | 1 arrayLED 11 W DC 300 mA | CRI 90 | Base **83767M30**

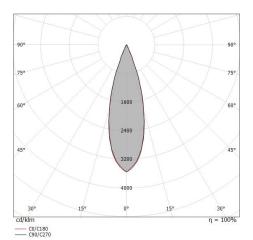
Single emission recessed downlights for indoor application. The super warm white LED light source with a medium flood light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1487 lm, with a 135.2 lm/W nominal luminous efficacy.

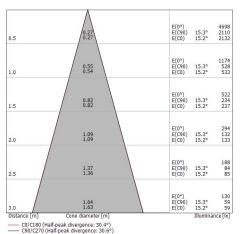
The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.250 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 11 W.

The device features protection class III and can be ceiling-mounted, with a 64 mm diameter hole (in plasterboard).

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





Energy efficiency class

This product contains a light source of energy efficiency class E.

Illuminotechnical Features	
Light Output Ratio (LOR)	22 %
Source lumens	1487 lm
Delivered lumens	331 lm
Consumption	11 W
Luminaire efficacy	30 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

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

UGR	
UGR axial	13.4
UGR transversal	13.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL		
C0/C180 optics	30°	
Light distribution simmetry	Symmetrical	

COLOR VECTOR GRAPHIC

