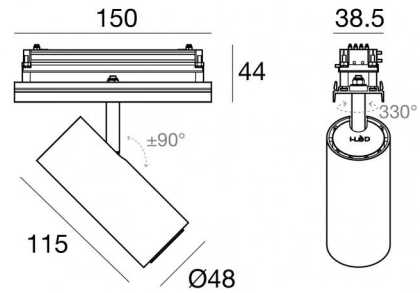


# Modus Projectors



Systems - Lines | 1 arrayLED 13 W DC 24 V | CRI 90  
83730W30



Technical data	
Type	Continuous Line -
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	frontal
Nominal power	13 W DC
Source lumens	1597 lm
Input voltage range	24 V
CCT / Tone	3500 K
Colour rendering index	90 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP20
Glow wire test	850°
Direct mounting on normally flammable surfaces	No
CE	Yes
Driver included	No
C.V. - C.C. Converter	Converter 24V included
Dimmable article	DALI
Directional	Swivelling
total angle (vertical plane)	330 °
total angle (horizontal plane)	90 °
Tilting	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	0.326 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	White
Processing	Powder coating
Finishing diffuser	
Material	PMMA
Colour	transparent
Finishing mounting frame	
Material	Die-cast Aluminium EN AB - 46100
Colour	White
Processing	Powder coating



Systems - Lines | 1 arrayLED 13 W DC 24 V | CRI 90 | Base  
**83730W30**

Single emission systems or lines for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3500 K and a CRI 90; the source luminous flux is 1597 lm, with a 122.8 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 diffuser is made of pmma; 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 0.326 kg.

The total absorbed power is 13 W.

The device features protection class III.

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)	60 %
Source lumens	1597 lm
Delivered lumens	967 lm
Consumption	12 W
Luminaire efficacy	80 lm/W
Colour temperature	3500 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

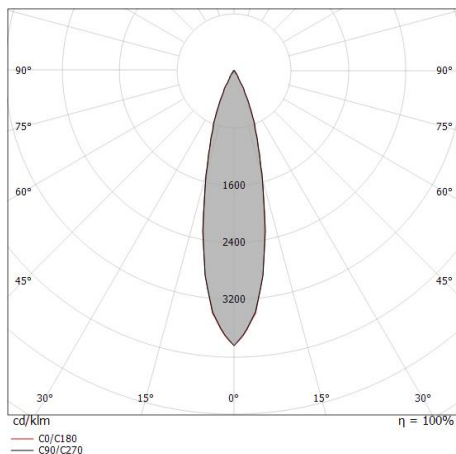
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	16.6
UGR transversal	16.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	25°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.23 0.22	E(0°) 14852 E(C90) 12.7° 6913 E(C0) 12.5° 6976
1.0	0.45 0.44	E(0°) 3713 E(C90) 12.7° 1728 E(C0) 12.5° 1744
1.5	0.68 0.67	E(0°) 1650 E(C90) 12.7° 768 E(C0) 12.5° 775
2.0	0.90 0.89	E(0°) 928 E(C90) 12.7° 432 E(C0) 12.5° 436
2.5	1.13 1.11	E(0°) 594 E(C90) 12.7° 277 E(C0) 12.5° 279
3.0	1.35 1.33	E(0°) 413 E(C90) 12.7° 192 E(C0) 12.5° 194

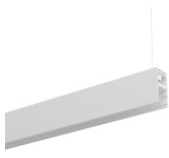
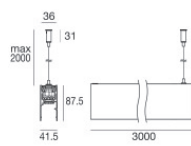

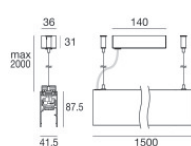
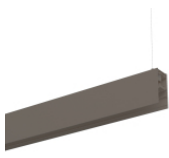
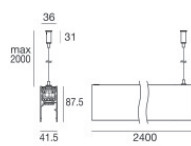
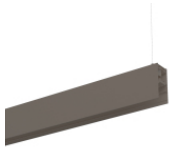
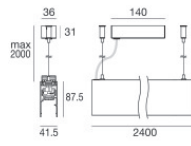








Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 25.0°)  
— C90/C270 (Half-peak divergence: 25.4°)



Systems - Lines | 1 arrayLED 13 W DC 24 V | CRI 90  
**83730W30**

## Components

		<p>Modus_MP Slave</p>	<p><b>Code</b>              83786 - 83716 - 83718 - 83788 - 83787 -              83789 - 83717 - 83719</p>
		<p>Modus_MP Master</p>	<p><b>Code</b>              83783 - 83782 - 83785 - 83714 - 83712 -              83715 - 83784 - 83713</p>
		<p>Modus_MP Slave Dynamic-White</p>	<p><b>Code</b>              83797 - 83796 - 83798 - 83795 - 83847 -              83846 - 83849 - 83848</p>
		<p>Modus_MP Master Dynamic-White</p>	<p><b>Code</b>              83794 - 83793 - 83792 - 83791 - 83842 -              83845 - 83843 - 83844</p>
		<p>Modus_MC Master</p>	<p><b>Code</b>              C00166WHEZZ - C00167WHEZZ -              C00168WHEZZ - C00169WHEZZ</p>
		<p>Modus_MS Slave</p>	<p><b>Code</b>              C00069BUEZZ - C00069WHEZZ -              C00070BUEZZ - C00070WHEZZ -              C00071BUEZZ - C00071WHEZZ -              C00072BUEZZ - C00072WHEZZ</p>
		<p>Modus_MC</p>	<p><b>Code</b>              C00170WHEZZ - C00171WHEZZ -              C00172WHEZZ - C00173WHEZZ</p>
		<p>Modus_MS Master</p>	<p><b>Code</b>              C00065BUEZZ - C00065WHEZZ -              C00066BUEZZ - C00066WHEZZ -              C00067BUEZZ - C00067WHEZZ -              C00068BUEZZ - C00068WHEZZ</p>






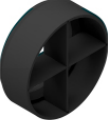




Systems - Lines | 1 arrayLED 13 W DC 24 V | CRI 90  
**83730W30**

## Components

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	<p>Optics Light distribution: spot,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b> <u>99805</u></p>
	<p>Optics Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b> <u>99806</u></p>
	<p>Optics Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b> <u>99807</u></p>
	<p>Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99775</u></p>
	<p>Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99776</u></p>
	<p>Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99777</u></p>
	<p>Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99774</u></p>
	<p>Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.</p>	<p><b>Code</b> <u>99773</u></p>