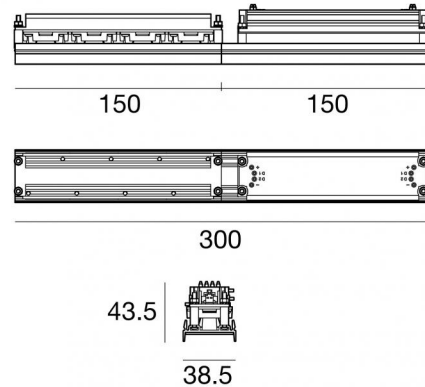


Modus Cell



Systems - Lines | 4 x powerLEDs 12 W DC 24 V
CRI 92
83744N60



Technical data	
Type	Continuous Line -
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Wide Flood
Light emission direction	downward
Nominal power	12 W DC
Source lumens	1383 lm
Input voltage range	24 V
CCT / Tone	4000 K
Colour rendering index	92 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP40
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	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.25 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.266 Kg
Electrostatic discharge protection	No
Surge protection	No

Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	Black
Processing	Powder coating

Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	chrome
Processing	Metallization

Cables Electrification

Cable connector	Easy Plug
-----------------	-----------

Systems - Lines | 4 x powerLEDs 12 W DC 24 V | CRI 92 | Base
83744N60

Single emission systems or lines for indoor application. The natural white LED light source with a wide flood light distribution is composed of 4 powerLEDs with CCT of 4000 K and a CRI 92; the source luminous flux is 1383 lm, with a 115.3 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 with a metallization treatment. The ingress protection degree is IP40; the total weight is of 0.266 kg.

The total absorbed power is 12 W. The power supply cable is included and features a 0.25 m length.

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)	84 %
Source lumens	1383 lm
Delivered lumens	1173 lm
Consumption	12 W
Luminaire efficacy	97 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	92 Ra
Standard Operating Ambient Temperature	-20 / +50°C

LED Life / Failure Ratio

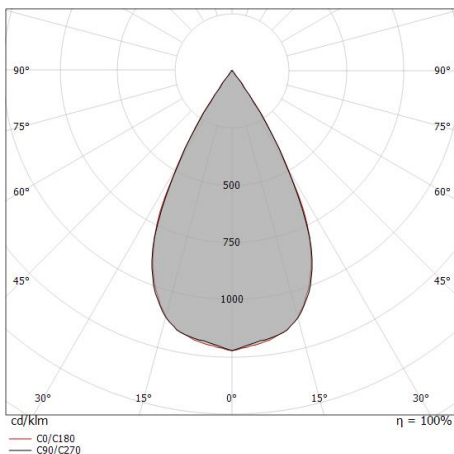
L70 B10 C0 250000h (at Tj 65 Ta 25)

UGR

UGR axial	18.4
UGR transversal	18.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	56°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.53 0.53	E(0°) 5729 E(C90) 1989 E(C0) 1974
1.0	1.06 1.07	E(0°) 1432 E(C90) 497 E(C0) 494
1.5	1.59 1.60	E(0°) 637 E(C90) 221 E(C0) 219
2.0	2.12 2.14	E(0°) 358 E(C90) 124 E(C0) 123
2.5	2.65 2.67	E(0°) 229 E(C90) 80 E(C0) 79
3.0	3.18 3.20	E(0°) 159 E(C90) 55 E(C0) 55

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

— C0/C180 (Half-peak divergence: 56.2°)
 - - C90/C270 (Half-peak divergence: 55.8°)



Components

		<p>Modus_M Complete</p>	<p>Code 84255 - 84257 - 83758 - 83837 - 83759 - 83838 - 84256 - 84258</p>
		<p>Modus_MP Slave</p>	<p>Code 83786 - 83742 - 83788 - 83787 - 83789 - 83741 - 83740 - 83743</p>
		<p>Modus_MP Master</p>	<p>Code 83783 - 83782 - 83737 - 83785 - 83736 - 83738 - 83784</p>
		<p>Modus_M Master</p>	<p>Code <u>83739</u></p>
		<p>Modus_MP Slave Dynamic-White</p>	<p>Code 83820 - 83819 - 83821 - 83822 - 83847 - 83848 - 83846 - 83849</p>
		<p>Modus_MP Master Dynamic-White</p>	<p>Code 83818 - 83817 - 83816 - 83815 - 83843 - 83842 - 83845 - 83844</p>
		<p>Modus_MC Master</p>	<p>Code C00166BBEZZ - C00167BBEZZ - C00168BBEZZ - C00169BBEZZ</p>
		<p>Modus_MS Slave</p>	<p>Code C00069BBEZZ - C00069BUEZZ - C00070BBEZZ - C00070BUEZZ - C00071BBEZZ - C00071BUEZZ - C00072BBEZZ - C00072BUEZZ</p>



Systems - Lines | 4 x powerLEDs 12 W DC 24 V | CRI 92
83744N60

Components



Modus_MC

Code

C00170BBEZZ - C00171BBEZZ -
C00172BBEZZ - C00173BBEZZ



Modus_MS Master

Code

C00065BBEZZ - C00065BUEZZ -
C00066BBEZZ - C00066BUEZZ -
C00067BBEZZ - C00067BUEZZ -
C00068BBEZZ - C00068BUEZZ