

ARELUX S.R.L.
Alexei Tolstoi street no. 12,
600093 Bacau, ROMANIA

xmarker new
ME03WW/NW120.05/1/2, ME03RGBW120.05/1/2N, ME03RGBW120.05/1D,
ME04WW/NW120.05/1/2, ME04RGBW120.05/1/2N, ME03RGBW120.05/1D

General information / Informații generale / Informazioni generali



Standard version ME03

Code	Finishing	Power	Input voltage	LED flux	System flux	CCT	Length (L)	(LxWxH)	Weight
ME03WW120.05	AL-AN	8W	24V DC	936 lm	443 lm	3000K	500 mm	500x31,6 mm	0,85 kg
ME03NW120.05	AL-AN	8W	24V DC	1032 lm	488 lm	4000K	500 mm	500x31,6 mm	0,85 kg
ME03WW120.1	AL-AN	15W	24V DC	1872 lm	886 lm	3000K	1000 mm	1000x31,6 mm	1,58 kg
ME03NW120.1	AL-AN	15W	24V DC	2064 lm	976 lm	4000K	1000 mm	1000x31,6 mm	1,58 kg
ME03WW120.2	AL-AN	30W	24V DC	3744 lm	1772lm	3000K	2000 mm	2000x31,6 mm	3,05 kg
ME03WW120.2	AL-AN	30W	24V DC	4128 lm	1952 lm	4000K	2000 mm	2000x31,6 mm	3,05 kg

LED type: SMD 2835
 Driver: Excluded
 CRI: 80
 Optics: 120°
 Working ambient temperature: -20 ÷ +45 °C

RGBW version ME03

Code	Finishing	Power	Input voltage	CCT	CCT control	Length (L)	(LxWxH)	Weight
ME03RGBW120.05N	AL-AN	8W	24V DC	RGB+3000K	.RGB+WW	500 mm	500x31,6 mm	0,90 kg
ME03RGBW120.1N	AL-AN	8W	24V DC	RGB+3000K	.RGB+WW	1000 mm	1000x31,6 mm	1,62 kg
ME03RGBW120.2N	AL-AN	15W	24V DC	RGB+3000K	.RGB+WW	2000 mm	2000x31,6 mm	3,10 kg
ME03RGBW120.0.5D	AL-AN	15W	24V DC	RGB+3000K	.RGB+WW	500 mm	500x31,6 mm	0,94 kg
ME03RGBW120.1D	AL-AN	30W	24V DC	RGB+3000K	.RGB+WW	1000 mm	1000x31,6 mm	1,75 kg

LED type: SMD 5050
 Driver: Excluded
 CRI: -
 Optics: 120°
 Working ambient temperature: -20 ÷ +45 °C

Standard version ME04

Code	Finishing	Power	Input voltage	LED flux	System flux	CCT	Length (L)	(LxWxH)	Weight
ME04WW120.05	AL-AN	8W	24V DC	936 lm	443 lm	3000K	500 mm	500x30,6 mm	0,65 kg
ME04NW120.05	AL-AN	8W	24V DC	1032 lm	488 lm	4000K	500 mm	500x30,6 mm	0,65 kg
ME04WW120.1	AL-AN	15W	24V DC	1872 lm	886 lm	3000K	1000 mm	1000x30,6 mm	1,20 kg
ME04NW120.1	AL-AN	15W	24V DC	2064 lm	976 lm	4000K	1000 mm	1000x30,6 mm	1,20 kg
ME04WW120.2	AL-AN	30W	24V DC	3744 lm	1772lm	3000K	2000 mm	2000x30,6 mm	2,30 kg
ME04WW120.2	AL-AN	30W	24V DC	4128 lm	1952 lm	4000K	2000 mm	2000x30,6 mm	2,30 kg

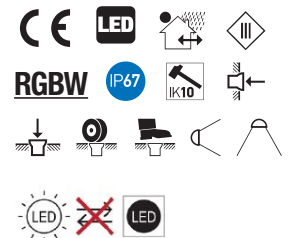
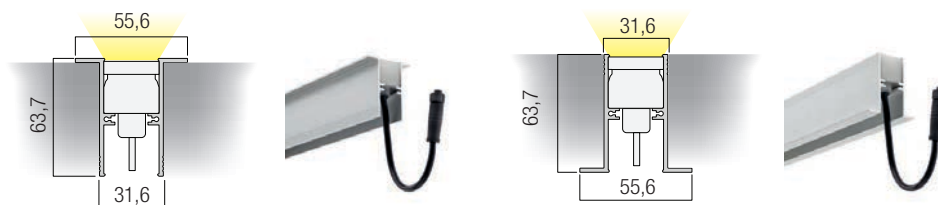
LED type: SMD 2835
 Driver: Excluded
 CRI: 80
 Optics: 120°
 Working ambient temperature: -20 ÷ +45 °C

RGBW version ME04

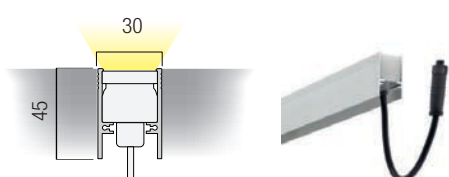
Code	Finishing	Power	Input voltage	CCT	CCT control	Length (L)	(LxWxH)	Weight
ME04RGBW120.05N	AL-AN	8W	24V DC	RGB+3000K	.RGB+WW	500 mm	500x30,6 mm	0,70 kg
ME04RGBW120.1N	AL-AN	8W	24V DC	RGB+3000K	.RGB+WW	1000 mm	1000x30,6 mm	1,25 kg
ME04RGBW120.2N	AL-AN	15W	24V DC	RGB+3000K	.RGB+WW	2000 mm	2000x30,6 mm	2,35 kg
ME04RGBW120.0.5D	AL-AN	15W	24V DC	RGB+3000K	.RGB+WW	500 mm	500x30,6 mm	0,74 kg
ME04RGBW120.1D	AL-AN	30W	24V DC	RGB+3000K	.RGB+WW	1000 mm	1000x30,6 mm	1,35 kg

LED type: SMD 5050
 Driver: Excluded
 CRI: -
 Optics: 120°
 Working ambient temperature: -20 ÷ +45 °C

ME03 installing / Instalare ME03 / Installazione ME03



ME04 installing / Instalare ME04 / Installazione ME04



Linear connection between two luminaires
Conexiunea liniară între două corpuri de iluminat
Collegamento lineare tra due apparecchi



STANDARDS
 EN 60598-1:2015 + A1:2018,
 EN 60598-2-13:2006 +A1:2012,
 EN 62031:2008 + A1:2013 + A2:2015,
 EN 62493:2015
 EN 55015:2019 + A11:2020,
 EN 61000-3-2:2019,
 EN 61000-3-3:2013 + A1:2019,
 EN 61547:2009 EN 62493:2015,
 EN 60529:1992 + A2:2013

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EN

Waterproof and dustproof linear light fittings (IP67), ground/wall recessed, equipped with SMD LEDs. In case of ground recessed mounting the luminaires are intended for both pedestrian or vehicles circulation areas.
 The linear recessed profiles are made of anodized aluminum, for mounting with visible or trimless frame (ME03), or only trimless (ME04). Housing of aluminum electrostatically painted in white. Opal PMMA diffusers with increased mechanical strength and anti-UV treatment.
 Power supply 24V DC, LED drivers have to be ordered separately. The luminaires have power supply cables 2x0,75 mm² (waterproof male connector) and cable for the connection with another luminaire (waterproof female connector) each with 0,20m length. Delivered with two supplementary power supply cables, 0,20m length also, one with male and another one with female waterproof connectors. These two cables also allow the connection of two luminaires at greater distances between them. For connection to the power supply or between two luminaires at greater distances, waterproof connectors (minimum IP67) must be used. These connectors have to be ordered separately.

Range of applications

Exterior decorative lighting, building facades, parks, public or private gardens. Marking of the pedestrian or auto circulation areas.

RO

Corpuri de iluminat liniare încastrate în pardoseală/perete, etanșe (IP67), echipate cu LED-uri SMD. În cazul montajului în pardoseală sunt destinate atât pentru zone pietonale cât și pentru cele cu circulație auto.

Profilele liniare de încastrare sunt din aluminiu anodizat, pentru montaj cu ramă vizibilă sau trimless (ME03), sau doar trimless (ME04). Carcasele corpurilor de iluminat din profil de aluminiu vopsit în câmp electrostatic, culoare albă. Pentru toate modelele dispersoarele sunt din PMMA opal cu rezistență mecanică mărită, tratate anti UV. Tensiune de alimentare 24V DC, alimentatoarele trebuie comandate separat. Corpurile de iluminat au cabluri de alimentare (conector etanș tată) și cabluri pentru legarea cu alt corp de iluminat (conector etanș mamă), 2x0,75 mm², amândouă cu lungimi de 0,20m. Sunt livrate împreună cu două cabluri de alimentare suplimentare, cu lungimi de asemenea de 0,20m, unul cu conector etanș tată, iar celălalt cu conector etanș mamă. Aceste cabluri permit conectare a două corpuri de iluminat la distanțe mai mari între ele. La toate modelele pentru conectarea la tensiunea de alimentare sau între două corpuri la distanțe mai mari trebuie utilizate conectoare etanșe (minim IP67) care se comandă separat.

Aplicații

Iluminatul decorativ de exterior, fațade ale clădirilor, parcuri, grădini publice și private. Marcarea zonelor de circulație pietonală sau auto.

IT

Apparecchi lineari a filo terreno/a parete, protetti contro polvere e acqua (IP67), equipaggiati con LED SMD. In caso di montaggio a filo terreno sono adeguati per un l'uso in aree pedonali o di movimento auto.

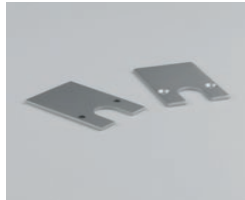
Gli profili lineari da incasso sono in alluminio anodizzato, per il montaggio con cornice a vista o trimless (ME03), o solo senza cornice (trimless) (ME04). Carcasse degli apparecchi in profilo di alluminio, verniciato a polveri, colore bianco. Per tutti i modelli i diffusori sono realizzati in PMMA opalino a resistenza meccanica maggiorata e trattamento anti UV. Tensione di alimentazione 24V DC con alimentatori da ordinare separatamente. Cavi di alimentazione (connettore stagno maschio) e cavi di colle-gamento ad altro apparecchio (connettore stagno femmina) 2x0,75 mm², lunghezze 0,20m, forniti con due cavi di alimentazione aggiuntivi, anch'essi di lunghezza 0,20 m, uno con connettore maschio stagno e l'altro con connettore femmina stagno. Per il collegamento alla tensione di alimentazione tra due apparecchi a distanze maggiori è necessario utilizzare connettori stagni (minimo IP67). Questi connettori devono essere ordinati separatamente.

Campi di applicazione

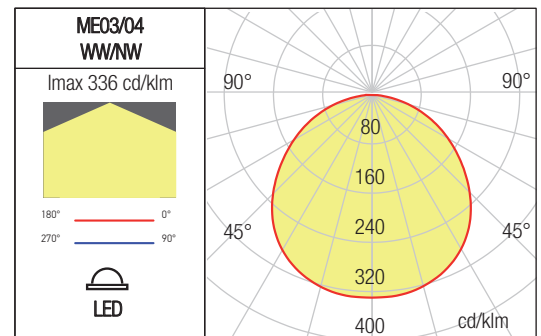
Illuminazione decorativa esterna di facciate di edifici, parchi, giardini pubblici e privati. Marcatura di aree di traffico pedonale o veicolare.

ME03

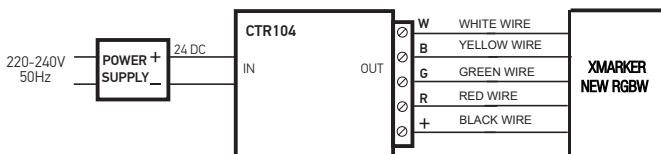
ME04



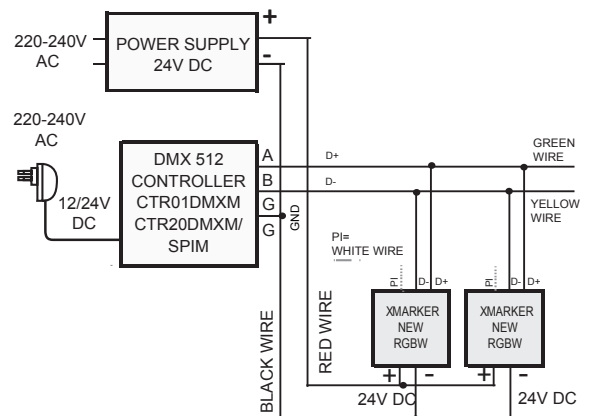
Aluminiu end caps /
Elemente terminale din aluminiu /
Tapii de chisura in aluminiu



RGBW NORMAL WIRING DIAGRAM



RGBW DMX WIRING DIAGRAM



RECOMMENDED CV DRIVERS
 AT24 IP67 SERIE

ErP and ecodesign data / Date ErP și ecodesig / Dati Erp ed ecodesign

	ME03WW120.05	ME03NW120.05	ME03WW120.1	ME03NW120.1	ME03WW120.2	ME03NW120.2
Lighting technology used:	LED	LED	LED	LED	LED	LED
Directional or non-directional:	NDLS	NDLS	NDLS	NDLS	NDLS	NDLS
Mains or non-mains:	NMLS	NMLS	NMLS	NMLS	NMLS	NMLS
CLS:	No	No	No	No	No	No
Color tunable light source:	No	No	No	No	No	No
Anti-glare shield:	No	No	No	No	No	No
Dimmable:	No	No	No	No	No	No
Energy consumption (kWh/1000h):	8 kWh/1000h	8 kWh/1000h	15 kWh/1000h	15 kWh/1000h	30 kWh/1000h	30 kWh/1000h
Energy efficiency class:	G	G	G	G	G	G
Useful luminous flux (Φ _{use}) (lm):	443 lm	488 lm	886 lm	976 lm	1772 lm	1952 lm
Correlated color temperature (K):	3000K	4000K	3000K	4000K	3000K	4000K
On-mode power (P _{on}) (W):	8W	8W	15W	15W	30W	30W
Standby power (P _{sb}):	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Networked standby power (P _{net}) (W):	-	-	-	-	-	-
Outer dimensions (HxWxL, HxØ) (mm):	64x32x500 (mm)	64x32x500 (mm)	64x32x1000 (mm)	64x32x1000 (mm)	64x32x2000 (mm)	64x32x2000 (mm)
CRI:	80	80	80	80	80	80
Chromaticity coordinates (x and y):	x=0.4352; y=0.4039	x=0.3998; y=0.3995	x=0.4352; y=0.4039	x=0.3998; y=0.3995	x=0.4352; y=0.4039	x=0.3998; y=0.3995
Peak luminous intensity (cd):	-	-	-	-	-	-
Beam angle in degrees:	120°	120°	120°	120°	120°	120°
R9 color rendering index:	10	10	10	10	10	10
Survival factor:	90%	90%	90%	90%	90%	90%
Lumen maintenance factor:	95,81%	95,81%	95,81%	95,81%	95,81%	95,81%
Displacement factor (cosφ ₁)	-	-	-	-	-	-
McAdam ellipses:	6	6	6	6	6	6
Flicker metric (Pst LM):	≤1	≤1	≤1	≤1	≤1	≤1
Stroboscopic effect metric (SVM):	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4
Ponmax:	5,19W	5,57W	8,88W	9,63W	16,27W	17,77W

	ME03RGBW 120.05N	ME03RGBW 120.1N	ME03RGBW 120.2N	ME03RGBW 120.05D	ME03RGBW 120.1D
Lighting technology used:	LED	LED	LED	LED	LED
Directional or non-directional:	NDLS	NDLS	NDLS	NDLS	NDLS
Mains or non-mains:	NMLS	NMLS	NMLS	NMLS	NMLS
CLS:	No	No	No	No	No
Color tunable light source:	No	No	No	No	No
Anti-glare shield:	No	No	No	No	No
Dimmable:	No	No	No	No	No
Energy consumption (kWh/1000h):	8 kWh/1000h	15 kWh/1000h	30 kWh/1000h	8 kWh/1000h	15 kWh/1000h
Energy efficiency class:	G	G	G	G	G
Useful luminous flux (Φ _{use}) (lm):	244lm	458 lm	915 lm	247lm	463 lm
Correlated color temperature (K):	RGB+3000K	RGB+3000K	RGB+3000K	RGB+3000K	RGB+3000K
On-mode power (P _{on}) (W):	8W	15W	30W	8W	15W
Standby power (P _{sb}):	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Networked standby power (P _{net}) (W):	-	-	-	-	-
Outer dimensions (HxWxL, HxØ) (mm):	64x32x500 (mm)	64x32x1000 (mm)	64x32x2000 (mm)	64x32x500 (mm)	64x32x1000 (mm)
CRI:	-	-	-	-	-
Chromaticity coordinates (x and y):	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030
Peak luminous intensity (cd):	-	-	-	-	-
Beam angle in degrees:	120°	120°	120°	120°	120°
R9 color rendering index:	-	-	-	-	-
Survival factor:	90%	90%	90%	90%	90%
Lumen maintenance factor:	95,81%	95,81%	95,81%	95,81%	95,81%
Displacement factor (cosφ ₁)	-	-	-	-	-
McAdam ellipses:	6	6	6	6	6
Flicker metric (Pst LM):	≤1	≤1	≤1	≤1	≤1
Stroboscopic effect metric (SVM):	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4
Ponmax:	3,53W	5,32W	9,13W	3,56W	5,36W

ErP and ecodesign data / Date ErP și ecodesig / Dati Erp ed ecodesign

	ME04WW120.05	ME04NW120.05	ME04WW120.1	ME04NW120.1	ME04WW120.2	ME04NW120.2
Lighting technology used:	LED	LED	LED	LED	LED	LED
Directional or non-directional:	NDLS	NDLS	NDLS	NDLS	NDLS	NDLS
Mains or non-mains:	NMLS	NMLS	NMLS	NMLS	NMLS	NMLS
CLS:	No	No	No	No	No	No
Color tunable light source:	No	No	No	No	No	No
Anti-glare shield:	No	No	No	No	No	No
Dimmable:	No	No	No	No	No	No
Energy consumption (kWh/1000h):	8 kWh/1000h	8 kWh/1000h	15 kWh/1000h	15 kWh/1000h	30 kWh/1000h	30 kWh/1000h
Energy efficiency class:	G	G	G	G	G	G
Useful luminous flux (Φ _{use}) (lm):	443 lm	488 lm	886 lm	976 lm	1772 lm	1952 lm
Correlated color temperature (K):	3000K	4000K	3000K	4000K	3000K	4000K
On-mode power (P _{on}) (W):	8W	8W	15W	15W	30W	30W
Standby power (P _{sb}):	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Networked standby power (P _{net}) (W):	-	-	-	-	-	-
Outer dimensions (HxWxL, HxØ) (mm):	64x32x500 (mm)	64x32x500 (mm)	64x32x1000 (mm)	64x32x1000 (mm)	64x32x2000 (mm)	64x32x2000 (mm)
CRI:	80	80	80	80	80	80
Chromaticity coordinates (x and y):	x=0.4352; y=0.4039	x=0.3998; y=0.3995	x=0.4352; y=0.4039	x=0.3998; y=0.3995	x=0.4352; y=0.4039	x=0.3998; y=0.3995
Peak luminous intensity (cd):	-	-	-	-	-	-
Beam angle in degrees:	120°	120°	120°	120°	120°	120°
R9 color rendering index:	10	10	10	10	10	10
Survival factor:	90%	90%	90%	90%	90%	90%
Lumen maintenance factor:	95,81%	95,81%	95,81%	95,81%	95,81%	95,81%
Displacement factor (cosφ ₁)	-	-	-	-	-	-
McAdam ellipses:	6	6	6	6	6	6
Flicker metric (Pst LM):	≤1	≤1	≤1	≤1	≤1	≤1
Stroboscopic effect metric (SVM):	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4
Ponmax:	5,19W	5,57W	8,88W	9,63W	16,27W	17,77W

	ME04RGBW 120.05N	ME04RGBW 120.1N	ME04RGBW 120.2N	ME04RGBW 120.05D	ME04RGBW 120.1D
Lighting technology used:	LED	LED	LED	LED	LED
Directional or non-directional:	NDLS	NDLS	NDLS	NDLS	NDLS
Mains or non-mains:	NMLS	NMLS	NMLS	NMLS	NMLS
CLS:	No	No	No	No	No
Color tunable light source:	No	No	No	No	No
Anti-glare shield:	No	No	No	No	No
Dimmable:	No	No	No	No	No
Energy consumption (kWh/1000h):	8 kWh/1000h	15 kWh/1000h	30 kWh/1000h	8 kWh/1000h	15 kWh/1000h
Energy efficiency class:	G	G	G	G	G
Useful luminous flux (Φ _{use}) (lm):	244lm	458 lm	915 lm	247lm	463 lm
Correlated color temperature (K):	RGB+3000K	RGB+3000K	RGB+3000K	RGB+3000K	RGB+3000K
On-mode power (P _{on}) (W):	8W	15W	30W	8W	15W
Standby power (P _{sb}):	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Networked standby power (P _{net}) (W):	-	-	-	-	-
Outer dimensions (HxWxL, HxØ) (mm):	64x32x500 (mm)	64x32x1000 (mm)	64x32x2000 (mm)	64x32x500 (mm)	64x32x1000 (mm)
CRI:	-	-	-	-	-
Chromaticity coordinates (x and y):	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030	x=0.3610, y=0.3660 x=0.4400, y=0.4030
Peak luminous intensity (cd):	-	-	-	-	-
Beam angle in degrees:	120°	120°	120°	120°	120°
R9 color rendering index:	-	-	-	-	-
Survival factor:	90%	90%	90%	90%	90%
Lumen maintenance factor:	95,81%	95,81%	95,81%	95,81%	95,81%
Displacement factor (cosφ ₁)	-	-	-	-	-
McAdam ellipses:	6	6	6	6	6
Flicker metric (Pst LM):	≤1	≤1	≤1	≤1	≤1
Stroboscopic effect metric (SVM):	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4
Ponmax:	3,53W	5,32W	9,13W	3,56W	5,36W