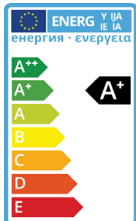
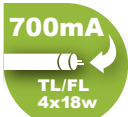


Specifications

	LEDPANEL MLMC 595x595	LEDPANEL MLMC 1195x295
Color	Matt white ral 9016	Matt white ral 9016
Input constant current (DC)	Max. 1050 mAmp (max. 48V)	Max. 1050 mAmp (max. 48V)
Color Rendering Index (CRI)	85 (Typical)	85 (Typical)
Beam angle	100°	100°
UGR value	17	17
Material	Metal / PMMA	Metal / PMMA
Environment	Indoor	Indoor
Protection against water	IP20/IP44	IP20/IP44
Protection against shock	IK02	IK02
Operating temperature	-20°C / +45°C	-20°C / +45°C
Safety norms	EN60598 / EN62031 / EN62471	EN60598 / EN62031 / EN62471
EMC norms	EN55015	EN55015
Quantity single package	1 pc	1 pc
Weight single package	5400 gr	5600 gr
Dimensions single package	620x600x95 mm (0,035 m³)	1220x300x85 mm (0,035 m³)
Quantity per pallet	50 pcs, 2m high	50 pcs, 2m high
Expected lifetime at 25°C (L70,B10)	>70.000 hrs	>70.000 hrs
Warranty	7 years	7 years

All values are measured at 230V (+/- 7%)



Product variations

Description	LedPanel MLMC Article no.
LedPanel 595x595 3000K	302303MW63E2
LedPanel 595x595 4000K	302303MW64E2
LedPanel 1195x295 3000K	322303MW63E2
LedPanel 1195x295 4000K	322303MW64E2

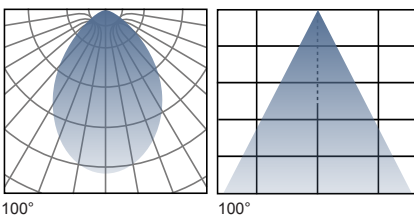
Lamp Wattage	Lamp Current	Lumen output 595x595		Lumen / Watt 595x595		Lumen output 1195x295		Lumen / Watt 1195x295	
		3000K	4000K	3000K	4000K	3000K	4000K	3000K	4000K
14	350 mA	1850	1950	132	139	1950	2100	139	150
21	500 mA	2600	2750	124	131	2750	2900	131	138
23	550 mA	2850	2950	123	128	3000	3150	130	137
30	700 mA	3400	3650	113	122	3650	3900	122	130
39	900 mA	4300	4550	110	117	4650	4900	119	126
46	1050 mA	4850	5200	105	113	5250	5600	114	122

Expected lifetime data

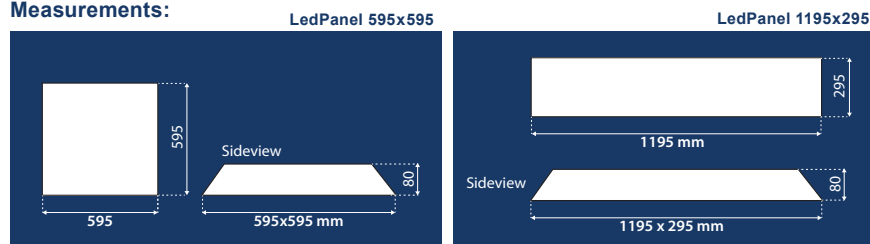
Test information	Tj 230V	Expected Lifetime
Test data from LED supplier	55°C	95.000 Hrs
Test data from LED supplier	85°C	65.000 Hrs
Test data from LED supplier	105°C	42.000 Hrs
LedPanel MLMC 500 mAmp	41°C	>70.000 Hrs
LedPanel MLMC 700 mAmp	49°C	>70.000 Hrs
LedPanel MLMC 1050 mAmp	57°C	>70.000 Hrs

• Lifetime date is tested in a closed ceiling without insulation material covering the downlight housing
• Expected lifetime measured at Ta 25°C (L70)

Photometrics



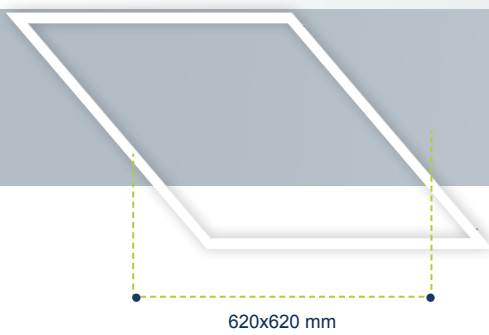
Measurements:



IP20/IP44: Only when the luminaire is installed in a closed ceiling it can be exposed to splashing water from the front side.

LED PANEL ACCESSORIES

CORRECTION FRAME + DATA CONNECTION

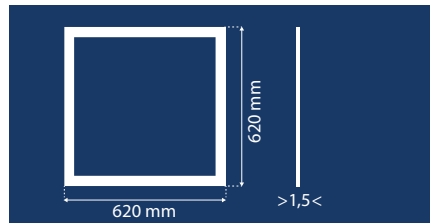


620x620 mm

Installation accessory (for Germany)

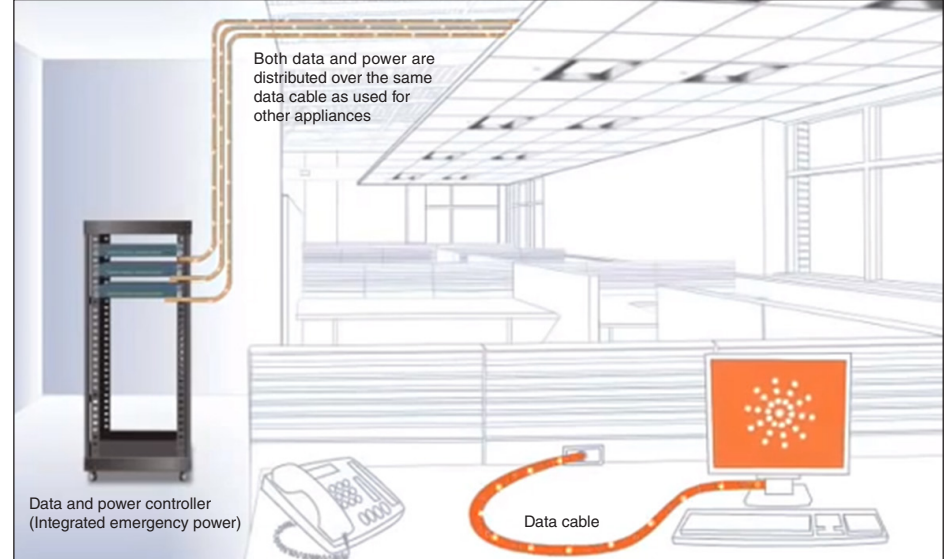
Correction Frame 620x620	
Article number	003003MW0002
Color	Matt white ral 9016
Material	Metal
Weight single Package	1320 gr
Dimensions package	700x700x33 mm
Quantity per carton	15 pcs
Weight carton	3050 gr
Dimensions carton	700x700x33 mm

Measurements:

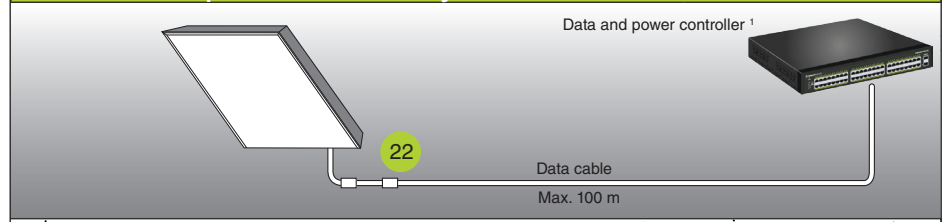


Connection Ledpanels to data cabling

LedPanel connected to a central Redwood Power supply



Installation Ledpanel to Redwood system



LV Plug to RJ45
Art.no.: 675203BL0000

¹ For more information, see 'Intelligent Lighting Network Solution at the CommScope website' **9**



Choose your Power Supply



Specifications

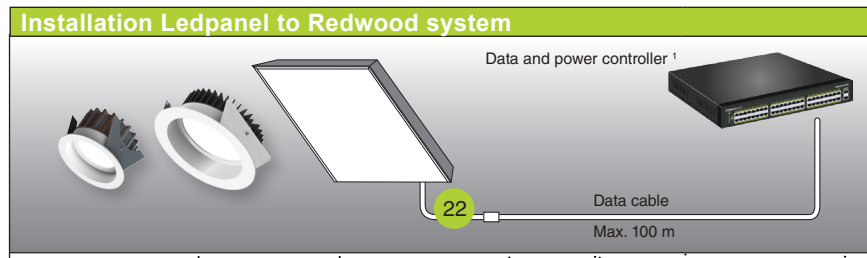
Individual Power supplies MLMC	
Material	Polycarbonate
Frequency	50/60 Hz
Environment	Indoor, outdoor and cove lighting
Protection against water	IP20
Operating temperature	-20°C / +45°C
Safety norms	EN61347-1 / EN61547 / EN61547-2-13
EMC norms	EN55015 / EN61000-3-2 / DIN VDE 0710-T14
Quantity single package	1 pc
Package type	Plastic bag
Expected lifetime at 25°C (L70, B10)	70.000 hrs
Warranty	7 years

Individual Power supplies

Description	Article no.	Watt	Current	Type	Efficiency	Pf	Ripple	Dimensions	Input voltage	Weight	Type	Typ B 16 Amp
PS TCI 122201	05CA03MLMC00	20W	350/500/700mA	No-dim	89%	0,95	<3%	110x52x22 mm	220-240 V~	120 gr	5A 50µS	50 pcs
PS TCI 122400	05CC03MLMC00	20W	350/500/700mA	1-10V & Push	89%	0,95	<3%	110x52x22 mm	110-240 V~	120 gr	5A 50µS	50 pcs
PS TCI 122403	05CD03MLMC00	20W	350/500/700mA	DALI	85%	0,95	<3%	110x52x22 mm	110-240 V~	120 gr	5A 50µS	50 pcs
PS TCI 122200	05CE03MLMC00	32W	700mA	No-dim	89%	0,95	<3%	103x67x21 mm	110-240 V~	140 gr	5A 50µS	50 pcs
PS TCI 122217	05CF03MLMC00	32W	700/900/1000mA ¹	No-dim	89%	0,95	<20%	130x42x30 mm	220-240 V~		5A 50µS	50 pcs
PS TCI 122260	05CG03MLMC00	32W	700mA	Triac & Push	89%	0,97	<3%	166x46x34 mm	220-240 V~	174 gr	5A 50µS	50 pcs
PS TCI 122421	05CH03MLMC00	32W	700mA	1-10V & Push	89%	0,95	<3%	103x67x21 mm	110-240 V~	140 gr	5A 50µS	50 pcs
PS TCI 122424	05CJ03MLMC00	32W	700mA	DALI	87%	0,95	<3%	103x67x21 mm	110-240 V~	140 gr	5A 50µS	50 pcs
PS TCI 122204	05CK03MLMC00	50W	900/1050mA	No-dim	91%	0,95	<3%	125x79x22 mm	110-240 V~	212 gr	20A 400µS	15 pcs
PS TCI 122220	05CL03MLMC00	50W	900/1050mA	No-dim	91%	0,95	<20%	129x76x30 mm	220-240 V~		20A 400µS	15 pcs
PS TCI 122413	05CM03MLMC00	50W	900/1050mA	DALI & 1-10V & Push	91%	0,95	<3%	125x79x22 mm	110-240 V~	224 gr	20A 400µS	15 pcs
PS TCI 122165	05CN03MLMC00	50W	900/1050mA	DALI & 1-10V & Push	90%	0,95	<3%	160x83x35 mm	110-240 V~	296 gr	10A 200µS	30 pcs
PS TCI 122208/4	05CP03MLMC00	55W	1200/1400mA	No-dim	91%	0,98	<3%	129x76x30 mm	110-240 V~	296 gr	10A 200µS	30 pcs
PS TCI 122417/4	05CQ03MLMC00	55W	1200/1400mA	DALI & 1-10V & Push	91%	0,98	<3%	129x76x30 mm	110-240 V~	296 gr	10A 200µS	30 pcs

¹ Only max. 700 mAmp for LedPanels

Connection to data cabling



¹ For more information, see ' Intelligent Lighting Network Solution at the CommScope website



LV Plug to RJ45	
Article number	675203BL0000
Measurements	0,2 m
Quantity single package	1 pc
Package type	Plastic bag

LEDPANELS MLMC

BENEFITS

- The LEDs are positioned at the back of the housing for uniform mixing (2 step MacAdam) and highest efficacy.
- Good glare control (UGR<19) allows easy retrofit for traditional luminaires.
- Color consistency with 2-step MacAdamEllipse

FEATURES

- IP44 extends application scope to include restrooms and hospitals
- Superior dimming quality to < 10%
- No heat or UV radiation
- Waterproof front
- EMC test report available at the website

ANNUAL SAVINGS 3400 LM LEDPANELS

Burning hours: 10 hrs x 300 days = 3000 hrs per year

Electricity savings 3400 Lm:

$72W - 27W = 45W \times 3000 \text{ hrs} = 135 \text{ kWh} \times \text{€}0.25 = \text{€}33.75$

Maintenance cost: $4 \text{ lamps} \times 0.025 \text{ hr} \times \text{€}35 = \text{€}3.50$

Lamp replacement cost: $0.33 \times \text{€}4.50 = \text{€}6$

Total annual savings: €43.25 per lamp unit.