M&T Displays

Illuminated Products Technical Manual

Dear Clients,

Thank you for choosing MT Displays' illuminated products. MT Displays products are designed and developed for long term use when maintained as per the information provided in this manual.

This manual is intended as a guide to the use and maintain the illuminated display products of MT Displays. The goal of this document is to give a broad overview of the main functions of these units. Every effort has been made to ensure that this document is an accurate representation of the functionality and technical details. Brief descriptions and detailed technical information of our standard illuminated display products are provided to aid the user during the use of the units. For custom products, similar information can be provided user upon request.

It is users' responsibility to ensure the relevant assembling steps and precautions are followed.

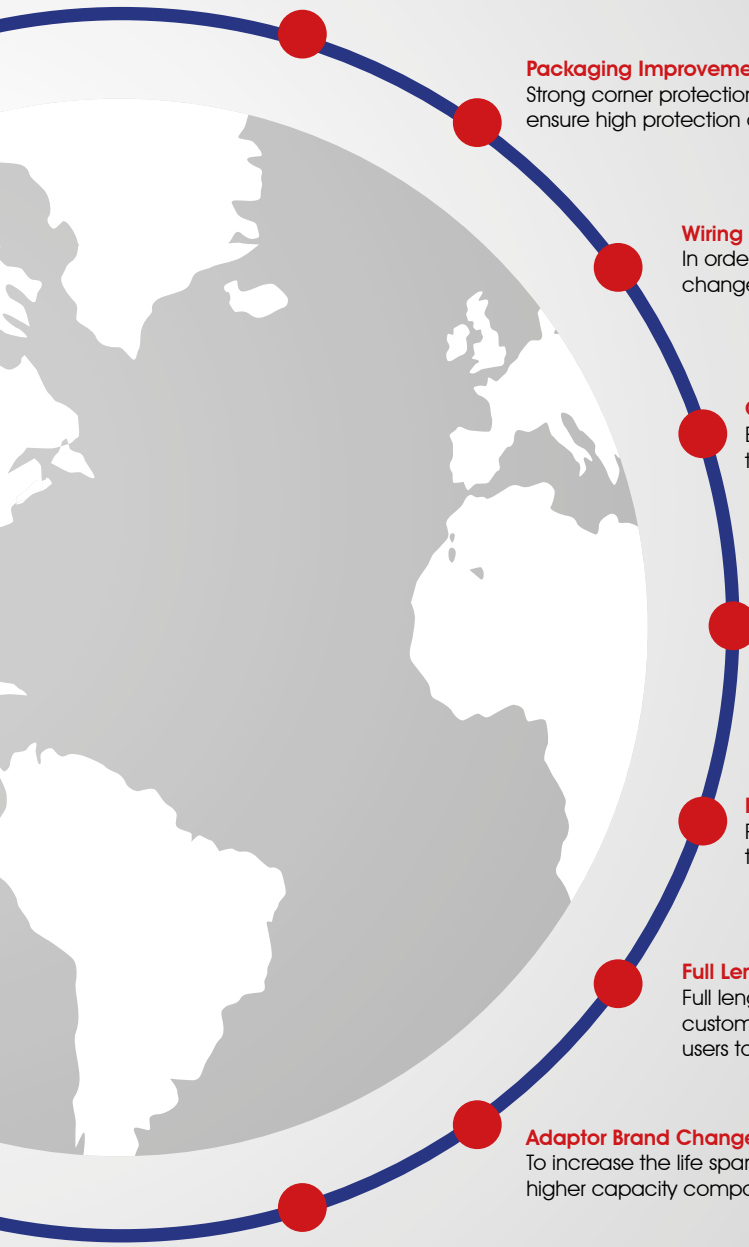
Notes

- Some of the wording in this manual can be technical.
  To avoid any damage on unit or person, the instructions should be followed at all times
- The information in this manual is protected by copyrights.
- No part of this publication maybe reproduced, stored in a retrieval system or transmitted in any form or by any means, technical, electronic, photo-copying, recording or otherwise without the prior written permission of the publisher.
- The product in this manual may not be subjected to reverse engineering.
- The images in this manual representing the unit, may not be identical to the product sold.
- In case of any claim, user is required to return product or any parts to manufacture for analysis at their own cost. If the manufacturer confirms the problem is a manufacturing fault, a replacement will be provided. This applies for all illuminated products.

Comments and request regarding the content and scope of this Manual are welcome and should be forwarded by e mail to : info@mtdisplays.com.tr

Smart LEDbox Chronology

Starting from day one, MT Displays has been constantly improving upon Smart LEDbox technology to offer more efficient and practical uses. With the help of advancing LED technology and thanks to MT Displays R&D team, Smart LEDbox is now brighter and more durable then ever. Its design, packing and electrical components are reviewed regularly to always stay at the front of the latest available technology resulting in the Smart Led Box being one of the top selling premium LED frames in the world.



LED Brand Changes: Edison to Prolight and today all Osram.
Smart LEDbox follows the technological changes in the market closely to always provide the highest illumination level. We always use the highest quality LEDs available.

Packaging Improvements
Strong corner protection and power switch protectors ensure high protection during shipping.

Wiring Improvements
In order to increase quality, electrical cables were changed to stannic, which increase conductivity.

Cable Connection Application.
Each LED strip is connected to power strip independently to avoid LED strip joints coming off and loss of functionality.

Acrylic Surface Process changed from lines to dots.
Using dots on the surface provides better light distribution. Lines are no longer used on acrylic surface and have been changed to dots.

Power Switch and Cable Jack diameter change.
Power cable used for switch and jack is expanded in diameter to reduce heat coming off the diots.

Full Length LED Strips for 25mm Smart LEDbox.
Full length LED strips are used for all standard and custom sizes. Smart LEDbox provides flexibility for users to change LEDs that exceed their life span.

Adaptor Brand Changes: From Sinrace to Fining and today GME.
To increase the life span of the power supplies we changed to a higher capacity component version.

Switch and Jack change.
Jack and switch has been changed In order to increase life span by increasing resistance to heat.

Metal jack
Plastic jack has been replaced by a new metal jack.

M&T Displays

LED Product Programme (Production & Availability)

Size Available	25mm Indoor LEDbox		35mm Indoor LEDbox		35mm Outdoor/ Lockable LEDbox	Convex LEDbox	Maxi LEDbox	Magnetic LEDbox	AcryLED	Ideal LEDbox	Best Buy LEDbox		Magneco LEDbox	
Poster Size	single	double	single	double	single	single	single	single	single	single	single	double	single	double
A4	√	√	√	√	√	√	√	√	√	√	√	√	√	√
A3	√	√	√	√	√	√	√	√	√	√	√	√	√	√
A2	√	√	√	√	√	√	√	√	√	√	√	√	√	√
A1	√	√	√	√	√	√	√	√	√	√	√	√	√	√
A0	√	N/A	√	√	√	√	√	√	√	√	√	√	√	√
B2	√	√	√	√	√	√	√	√	√	√	√	√	√	√
B1	√	N/A	√	√	√	√	√	√	√	√	√	√	√	√
B0	N/A	N/A	√	√	√	N/A	√	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20"x30"	√	√	√	√	√	√	√	√	√	N/A	√	√	√	√
30"x40"	√	N/A	√	√	√	√	√	√	√	N/A	√	√	√	√
40"x60"	N/A	N/A	√	√	√	N/A	√	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11"x17" (USA)	√	√	√	√	√	√	√	√	√	N/A	√	√	√	√
22"x28" (USA)	√	√	√	√	√	√	√	√	√	N/A	√	√	√	√
24"x36" (USA)	√	N/A	√	√	√	√	√	√	√	N/A	√	√	√	√
Max(WxH)mm	850x1200*	600x900	1200x2415	1016x1600	1200x2100	850x1250	1200x2415	850x1200	850x1200	850x1200*	850x1200*	850x1200	850x1200*	850x1200

*Max perimeter is 4000mm in condition of short profile is max 850mm and long profile is max 1500mm.

Power Consumption	25mm Indoor LEDbox		35mm Indoor LEDbox		35mm Outdoor/ Lockable LEDbox	Convex LEDbox	Maxi LEDbox	Magnetic LEDbox	AcryLED	Ideal LEDbox	Best Buy LEDbox		Magneco LEDbox	
Poster Size	single	double	single	double	single	single	single	single	single	single	single	double	single	double
A4	6 W / 0.5 A	12 W / 1 A	12 W / 1 A	19 W / 1.41 A	12 W / 1 A	2 W / 0.16 A	12 W / 1 A	12 W / 1 A	6 W / 0.5 A	6 W / 0.5 A	7 W / 0.58 A	9.5 W / 0.79 A	7 W / 0.58 A	9.5 W / 0.79 A
A3	18 W / 1.44 A	18 W / 1.5 A	18 W / 1.44 A	26 W / 2.16 A	18 W / 1.44 A	3 W / 0.24 A	18 W / 1.44 A	18 W / 1.44 A	18 W / 1.44 A	10 W / 0.8 A	11 W / 0.91 A	14 W / 1.15A	11 W / 0.91 A	14 W / 1.15A
A2	23 W / 1.92 A	24 W / 2 A	23 W / 1.91 A	36 W / 3 A	23 W / 1.91 A	8 W / 0.64 A	23 W / 1.91 A	23 W / 1.91 A	23 W / 1.92 A	13 W / 1.1 A	14 W / 1.16 A	20 W / 1.66 A	14 W / 1.16 A	20 W / 1.66 A
A1	35 W / 2.83 A	36 W / 3 A	35 W / 2.83 A	52 W / 4.33 A	35 W / 2.83 A	10 W / 0.84 A	35 W / 2.83 A	35 W / 2.83 A	35 W / 2.83 A	20 W / 1.66 A	21 W / 1.75 A	28.5 W / 2.38 A	21 W / 1.75 A	28.5 W / 2.38 A
A0	48 W / 4 A	-	48 W / 4 A	72 W / 6 A	48 W / 4 A	24 W / 2 A	48 W / 4 A	48 W / 4 A	48 W / 4 A	28 W / 2.3 A	29 W / 2.4 A	40.5 W / 3.39 A	29 W / 2.4 A	40.5 W / 3.39 A
B2	27 W / 2.24 A	28 W / 2.33 A	27 W / 2.24 A	41 W / 3.33 A	27 W / 2.24 A	7 W / 0.6 A	27 W / 2.24 A	27 W / 2.24 A	27 W / 2.24 A	16 W / 1.3 A	17 W / 1.41 A	24 W / 2 A	17 W / 1.41 A	24 W / 2 A
B1	41 W / 3.33 A	-	41 W / 3.33 A	61 W / 5 A	41 W / 3.33 A	13 W / 1.1 A	41 W / 3.33 A	41 W / 3.33 A	41 W / 3.33 A	24 W / 2 A	25 W / 2.08 A	35 W / 2.9 A	25 W / 2.08 A	35 W / 2.9 A
B0	-	-	58 W / 4.8 A	87 W / 7.16 A	58 W / 4.8 A	-	56 W / 4.8 A	-	-	-	-	-	-	-
20"x30"	31 W / 2.56 A	32 W / 2.66 A	31 W / 2.56 A	46 W / 3.83 A	31 W / 2.56 A	9 W / 0.72 A	31 W / 2.56 A	31 W / 2.56 A	31 W / 2.56 A	-	17 W / 1.41 A	26 W / 2.16 A	17 W / 1.41 A	26 W / 2.16 A
30"x40"	41 W / 3.36 A	-	41 W / 3.36 A	62 W / 5 A	41 W / 3.36 A	13 W / 1.1 A	41 W / 3.36 A	41 W / 3.36 A	41 W / 3.36 A	-	25 W / 2.08 A	36 W / 3.02 A	25 W / 2.08 A	36 W / 3.02 A
40"x60"	-	-	62 W / 5 A	94 W / 7.5 A	65 W / 5 A	-	65 W / 5 A	-	-	-	-	-	-	
11"x17" (USA)	18 W / 1.44 A	18 W / 1.5 A	18 W / 1.44 A	26 W / 2.16 A	18 W / 1.44 A	3 W / 0.24 A	18 W / 1.44 A	18 W / 1.44 A	18 W / 1.44 A	-	10 W / 0.84 A	16.6 W / 1.22 A	10 W / 0.84 A	16.6 W / 1.22 A
22"x28" (USA)	27 W / 2.24 A	28 W / 2.33 A	27 W / 2.24 A	41 W / 3.33 A	27 W / 2.24 A	7 W / 0.6 A	27 W / 2.24 A	27 W / 2.24 A	27 W / 2.24 A	-	17.6 W / 1.5 A	24 W / 2 A	17.6 W / 1.5 A	24 W / 2 A
24"x36" (USA)	41 W / 3.33 A	-	41 W / 3.33 A	61 W / 5 A	41 W / 3.33 A	13 W / 1.1 A	41 W / 3.33 A	41 W / 3.33 A	41 W / 3.33 A	-	22.5 W / 1.9 A	31 W / 2.6 A	22.5 W / 1.9 A	31 W / 2.6 A

Power Supply Recommended (12 Vdc, Ampere)	25mm Indoor LEDbox		35mm Indoor LEDbox		35mm Outdoor/ Lockable LEDbox	Convex LEDbox	Maxi LEDbox	Magnetic LEDbox	AcryLED	Ideal LEDbox	Best Buy LEDbox		Magneco LEDbox	
Poster Size	single	double	single	double	single	single	single	single	single	single	single	double	single	double
A4	1 A	2 A	1 A	2 A	2 A	1 A	2 A	2 A	1 A	1 A	1 A	1 A	1 A	1 A
A3	2 A	2 A	2 A	3 A	2 A	1 A	2 A	2 A	2 A	1 A	1 A	2 A	1 A	2 A
A2	3 A	3 A	3 A	4 A	3 A	1 A	3 A	3 A	3 A	2 A	2 A	2 A	2 A	2 A
A1	4 A	4 A	4 A	6 A	4 A	2 A	4 A	4 A	4 A	2 A	2 A	3 A	2 A	3 A
A0	5 A	-	5 A	9 A	5 A	3 A	5 A	5 A	5 A	3 A	3 A	4 A	3 A	4 A
B2	3 A	3 A	3 A	4 A	3 A	1 A	3 A	3 A	3 A	2 A	2 A	3 A	2 A	3 A
B1	4 A	-	4 A	6 A	4 A	2 A	4 A	4 A	4 A	3 A	3 A	4 A	3 A	4 A
B0	-	-	6 A	12 A	6 A	-	6 A	-	-	-	-	-	-	-
20"x30"	4 A	4 A	4 A	5 A	4 A	1 A	4 A	4 A	4 A	-	2 A	3 A	2 A	3 A
30"x40"	4 A	-	4 A	6 A	4 A	2 A	4 A	4 A	4 A	-	3 A	4 A	3 A	4 A
40"x60"	-	-	6 A	12 A	6 A	-	6 A	-	-	-	-	-	-	-
11"x17" (USA)	2 A	2 A	2 A	3 A	2 A	1 A	2 A	2 A	2 A	-	1 A	2 A	1 A	2 A
22"x28" (USA)	3 A	3 A	3 A	4 A	3 A	1 A	3 A	3 A	3 A	-	2 A	3 A	2 A	3 A
24"x36" (USA)	4 A	-	4 A	6 A	4 A	2 A	4 A	4 A	4 A	-	3 A	3 A	3 A	3 A

- ✓ Standard colour: Silver Anodised
- ✓ Available in RAL colours (subject to MOQ)
- ✓ Power supply is provided with the unit to suit each of the product
- ✓ Luminance: 2000-3000lux (depending on size)
- ✓ Standard Packaging: Single units in polybag and box
- ✓ Low power consumption (see above average power consumption table for each size)
- ✓ Various plugs available such as European, UK, US and Australian
- ✓ Complies with EN55015 & EN61547.

- ✓ Products are suitable to use 7/16.
- ✓ If 7/24 use required, please order individually as 7/24 power supplies as below:

POWER SUPPLY	
ARTICLE	DESCRIPTION
UYPLD00010	Power supply EU 3,34A 7/24
UYPLD00011	Power supply EU 6,67A 7/24
UYPLD00012	Power supply EU 8,5A 7/24
UYPLD00013	Power supply EU 11,5A 7/24

In case of any claim, user is required to return product or any parts to manufacture for analyses at their cost. As long as the manufacturer confirms the problem is a manufacturing fault, the replacement can be provided. This applies for all illuminated products.

REV 10

OSRAM LED

DURIS® E 3	Features
Processing technology:	White SMT package, colored diffused silicone resin
Viewing angle at 50 % IV:	120°
Color:	2700 K - 6500 K (warm, neutral and cool white)
CRI:	Min. 80
Luminous Flux:	Typ. 30 lm @ 5000 K
Luminous efficacy:	Typ. 153 lm/W @ 5000 K
Lumen Maintenance:	Testing according to IESNA LM-80 in progress
Life Time :	50.000 Hours

RoHS

DURIS® E 5	Features
Processing technology:	White SMT package, colored diffused silicone resin
Viewing angle at 50 % IV:	120°
Color:	2700 K - 6500 K (white)
CRI:	Min. 80 (typ. 85)
Luminous Flux:	Typ. 56 lm @ 5000 K
Luminous efficacy:	Typ. 156 lm/W @ 5000 K
Lumen Maintenance:	Typ. 170 lm/W @ 5000 K
Life Time :	Testing according to IESNA LM-80 in progress

RoHS

DURIS® S 5	Features
Processing technology:	White SMT package, colored diffused silicone resin
Viewing angle at 50 % IV:	120°
Color:	2700 K - 6500 K (white)
CRI:	Min. 80 (typ. 82)
Luminous Flux:	Typ. 28 lm @ 3000 K
Luminous efficacy:	Typ. 149 lm/W @ 3000 K
Lumen Maintenance:	Testing according to IESNA LM-80 in progress
Life Time :	50.000 Hours

RoHS

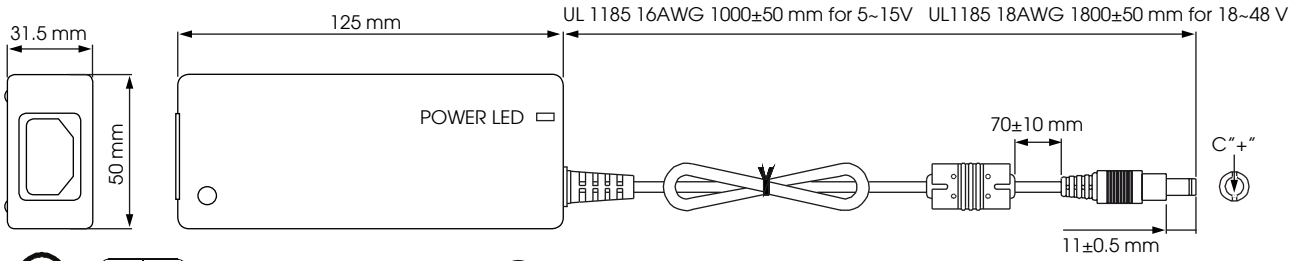
7/24 Power Supply

		3,34	6,67
OUTPUT	SAFETY MODEL NO.	GS40A12	GS90A12
	DC VOLTAGE Note	12V	12V
	RATED CURRENT	3.34A	6.67A
	CURRENT RANGE	0 ~ 3.34A	0 ~ 6.67A
	RATED POWER (max.)	40W	80W
	RIPPLE & NOISE (max.) Note.3	100mVp-p	80mVp-p
	VOLTAGE TOLERANCE Note.4	±3.0%	±5.0%
	LINE REGULATION Note.5	±1.0%	±1.0%
	LOAD REGULATION	±3.0%	±5.0%
	SETUP, RISE TIME Note.7	1000ms, 30ms / 230VAC 1000ms, 30ms / 115VAC at full load	1000ms, 20ms / 230VAC 1000ms, 20ms / 115VAC at full load
	HOLD UP TIME (Typ.)	50ms / 230VAC 15ms / 115VAC at full load	20ms / 230VAC 20ms / 115VAC at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz
	POWER FACTOR (Typ.		PF>0.91 / 230VAC PF>0.95 / 115VAC at full load
	EFFICIENCY (Typ.)	89%	88%
	AC CURRENT (Typ.)	1A / 115VAC 0.5A / 230VAC	2A / 115VAC 1A / 230VAC
	INRUSH CURRENT (max.)	65A / 230VAC	70A / 230VAC
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC	1mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 150% rated output power	110 ~ 150% rated output power
		Protection type : Hiccup mode, recovers automatically after fault condition is removed	-
	OVER VOLTAGE	12.6 ~ 16.2V	105 ~ 135% rated output voltage
		Protection type : Shut down o/p voltage, re-power on to recover	-
	OVER TEMPERATURE	-	RTH30 > 100°C
ENVIRONMENT	WORKING TEMP.	-30 ~ +60 (Refer to "Derating Curve")°C	-30 ~ +50 (Refer to "Derating Curve")°C
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85 , 10 ~ 95% RH°C	-40 ~ +85 , 10 ~ 95% RH°C
	TEMP. COEFFICIENT	±°C°C 0.03% / (0~50)	±°C°C 0.03% / (0~40)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	-
SAFETY & EMC	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, approved	-
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	I/P-O/P: 3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
(Note. 6)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG / 25 / 70% RH	I/P-O/P, I/P-FG, O/P-FG / 25 / 70% RH
	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1	-
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A	-
	MTBF	711K hrs min. MIL-HDBK-217F(25)	348.7K hrs min. MIL-HDBK-217F(25)

As on with any electronic appliance, power supplies have a certain operation life. In order to comply with long term use of our LED illuminated products, we offfer Mean Well brand 7/24 operating power supplies. They have universal AC inputs and which protect against short circuit, overload and over voltage. They meet EISA 2007 (Energy Independence and Security Act) requirements.

It is recommended to use enviroments -30 / +60°C.
Do not use power supply in enviroments that have no air ventilation Guaranteed for 2 years

		8,5	11,5
OUTPUT	SAFETY MODEL NO.	GS120A12	GS160A12
	DC VOLTAGE Note	12V	12V
	RATED CURRENT	8.5A	11.5A
	CURRENT RANGE	0 ~ 8.5A	0 ~ 11.5A
	RATED POWER (max.)	102W	138W
	RIPPLE & NOISE (max.) Note.3	80mVp-p	80mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%
	LINE REGULATION Note.5	±1.0%	±1.0%
	LOAD REGULATION	±5.0%	±5.0%
	SETUP, RISE TIME Note.7	2000ms, 30ms / 230VAC 2500ms, 30ms / 115VAC at full load 20ms / 230VAC 20ms / 115VAC at full load	2000ms, 20ms / 230VAC 2500ms, 20ms / 115VAC at full load 20ms / 230VAC 20ms / 115VAC at full load
	HOLD UP TIME (Typ.)	-	-
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC	85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz
	POWER FACTOR (Typ.	PF>0.97 / 230VAC PF>0.99 / 115VAC at full load	PF>0.95 / 230VAC PF>0.98 / 115VAC at full load
	EFFICIENCY (Typ.)	87.5%	89%
	AC CURRENT (Typ.)	1.4A / 115VAC 0.7A / 230VAC	1.85A / 115VAC 1A / 230VAC
	INRUSH CURRENT (max.)	70A / 230VAC	120A / 230VAC
	LEAKAGE CURRENT(max.)	0.75mA / 240VAC	0.75mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 160% rated output power	105 ~ 135% rated output power
	OVER VOLTAGE	105 ~ 135% rated output voltage	105 ~ 135% rated output voltage
	OVER TEMPERATURE	RTH2 100 10 ≥ ±°C	90 10 (RTH2) d etect on inside ambient temperature°C±°C
ENVIRONMENT	WORKING TEMP.	-30 ~ +70 (Refer to "Derating Curve")°C	-30 ~ +70 (Refer to "Derating Curve")°C
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +85 , 10 ~ 95% RH°C	-20 ~ +85 , 10 ~ 95% RH°C
	TEMP. COEFFICIENT	±°C°C 0.03% / (0~45)	±°C°C 0.03% / (0~50)
	VIBRATION	-	-
SAFETY & EMC	SAFETY STANDARDS	-	-
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC	I/P-O/P: 3KVAC
(Note. 6)	ISOLATION RESISTANCE	I/P-O/P / 25 / 70% RH :100M Ohms / 500VDC	I/P-O/P / 25 / 70% RH
	EMC EMISSION	-	-
	EMC IMMUNITY	-	-
	MTBF	400.7K hrs min. MIL-HDBK-217F(25)	290.3K hrs min. MIL-HDBK-217F(25)



(except for 48V)

ID 2.1 x OD 5.5
Outside ⊖—◉—⊕ Inside
-V not connected to AC FG

UYPLD00013 POWER S.AC 100-240V-DC12V-11,5A (MW)	**UYPLD00011** POWER S.AC 100-240V-DC12V-6,67A (MW
UYPLD00010 POWER S.AC 100-240V-DC12V-3,34A (MW)	**UYPLD00012** POWER S.AC 100-240V-DC12V-8,5A (MW)

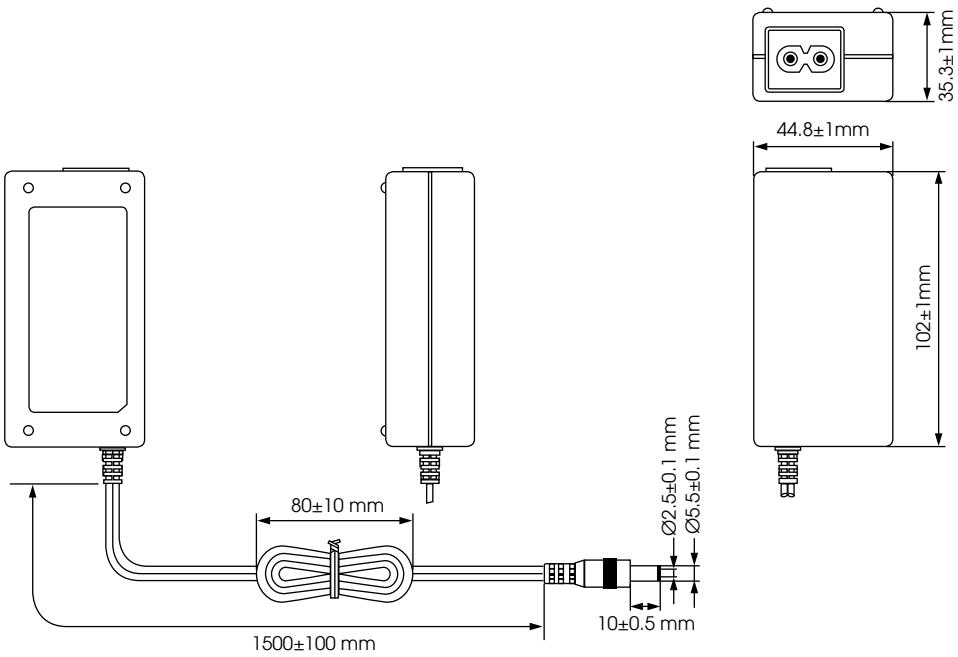
7/16 Power Supply

		1A	2A	3A
OUTPUT	Model No.	GFP121DA-120100-1	GFP241DA-1220-1	GFP361DA-1230-1
	DC Voltage	12V	12V	12V
	Voltage Range	±5%	±5%	±5%
	Rated Current	1A	2A	3A
	Current Range	0.1A - 1.0A	0.1A - 2.0A	0.1A - 3.0A
	Rated Power	12W	24W	36W
	Ripple	120mV	100mV	170mV
	Hold-Up Time	10mS	10mS	10mS
	Over Current Protection	Auto Recovery	Auto Recovery	Auto Recovery
	Short Circuit Protection	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground
	Over Voltage Protection	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.
INPUT	AC Input Range	100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac
	AC Input Frequency	47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz
	AC Input Current	360mA	550mA	1200mA
	AC Inrush Current	30A	30A	60A
	Average Efficiency	77.76%	82%	84.63%
ENVIRONMENT	Operating Temperature	Min. 0°C - Max. 40°C	Min. 0°C - Max. 40°C	Min. 0°C - Max. 40°C
	Storage Temperature	Min. -20°C - Max. 85°C	Min. -20°C - Max. 85°C	Min. -20°C - Max. 85°C
	Operating Humidity	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH
	Storage Humidity	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH
	Vibration	10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute	10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute	10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute
SAFETY & EMC	Safety Standards	CUL, UL, GS EN60950, CE, FCC	CUL, UL, GS EN60950, CE, FCC	CUL, UL, GS EN60950, CE, FCC
	MTBF	50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C

As on with any electronic appliance, powersupplies has a certain operation life. In order to comply with long term use of our LED illuminated products, we offfer GME brand 7/16 operating powersupply. It has universal AC input and well protected against short circuit, overload and over voltage. It meets EISA 2007 (Energy Independence and Security Act) requirements.

It is recommended to use enviroments 0 / 40°C.
Do not use power supply in enviroments that has no air ventilation Guaranteed for 2 years

4A	5A	6A	9A	12A
GFP651DA-1240	G721DA-120500	GME72A-120600F	FAS1200900-C95	FAS1201200-C95
12V	12V	12V	12V	12V
±5%	±5%	±5%	±5%	±5%
4A	5A	6A	9A	12A
0.1A - 4.0A	0.1A - 5.0A	0.1A - 6.0A	0.1A - 9.0A	0.1A - 12A
48W	60W	72W	108W	144W
170mV	170mV	240mV	120mV	120mV
10mS	10mS	10mS	50 mS	50 mS
Auto Recovery	Auto Recovery	Auto Recovery	Auto Recovery	Auto Recovery
The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The Adapter Shall Not damage By Short The Dc Output to Ground
13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.
100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac
47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz
1400mA	1350mA	1800mA	1500mA	950mA
60A	60A	60A	60A	60A
80%	85%	87%	86%	88%
Min. 0°C - Max. 40°C	Min. 0°C - Max. 40°C	Min. 0°C - Max. 40°C	Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C
Min. -20°C - Max. 85°C	Min. -20°C - Max. 85°C	Min. -20°C - Max. 85°C	Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C
Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH
Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 5%RH - Max. %90RH	Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH
10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute	10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute	10-55Hz / 1G, Sweep 1 Minute For X, Y, Z, Axis Each / 40 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute
CUL, UL, GS EN60950, CE, FCC	CE	CE	UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4
50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C



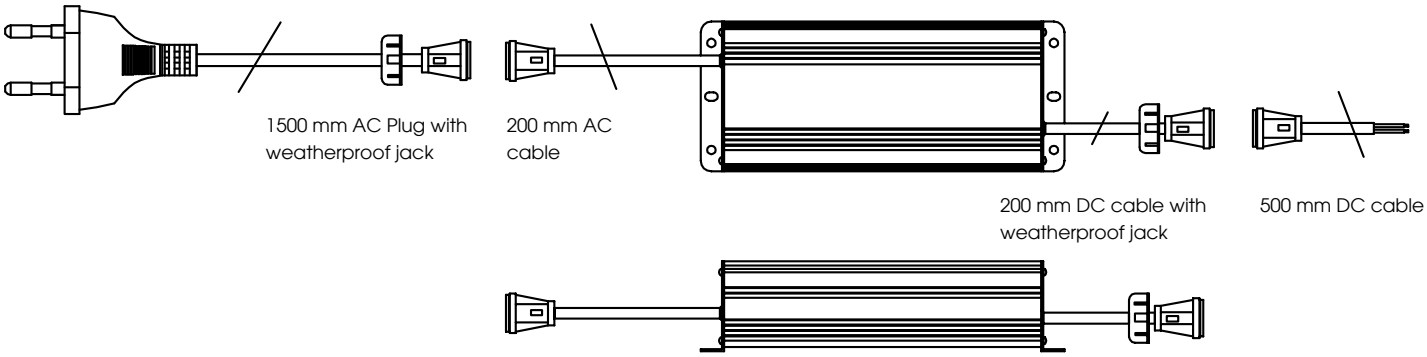
7/16 Power Supply for Weatherproof

		2A	3A	4A
OUTPUT	Model No.	FAS024V-12	FAS036V-12	FAS048V-12
	DC Voltage	12V	12V	12V
	Voltage Range	±5%	±5%	±5%
	Rated Current	2A	3A	4A
	Current Range	0.1A - 2.0A	0.1A - 3.0A	0.1A - 4.0A
	Rated Power	24W	36W	48W
	Ripple	120mV	120mV	120mV
	Rise Time	50 mS	50 mS	50 mS
	Over Current Protection	Auto Recovery	Auto Recovery	Auto Recovery
	Short Circuit Protection	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground
	Over Voltage Protection	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.
INPUT	AC Input Range	100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac
	AC Input Frequency	47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz
	AC Input Current	350mA	550mA	840mA
	AC Inrush Current	40A	40A	50A
	Average Efficiency	80%	82%	86%
	Operating Temperature	Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C
ENVIRONMENT	Storage Temperature	Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C
	Operating Humidity	Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH
	Storage Humidity	Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH
	Vibration	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute
SAFETY & EMC	Safety Standards	UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4
	MTBF	50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C

As with any electronic appliance, power supplies have a certain operation life. In order to comply with long term use of our LED illuminated products, we offfer fining brand 7/16 operating power supply. It has universal AC input which protect against short circuit, overload and over voltage. They meet EISA 2007 (Energy Independence and Security Act) requirements.

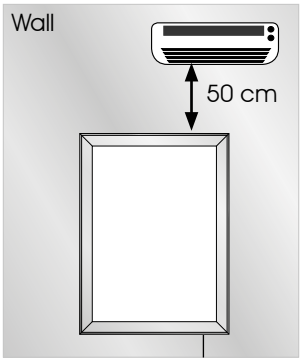
recommended for use enviroments -10 / 40°C.
Do not use power supply in enviroments that has no air ventilation Guaranteed for 2 years.

5A	6A	9A	12A
FAS060V-12	FAS072V-12	FAS108V-12	FAS144V-12
12V	12V	12V	12V
±5%	±5%	±5%	±5%
5A	6A	9A	12A
0.1A - 5.0A	0.1A - 6.0A	0.1A - 9.0A	0.1A - 12A
60W	72W	108W	144W
120mV	120mV	120mV	120mV
50 mS	50 mS	50 mS	50 mS
Auto Recovery	Auto Recovery	Auto Recovery	Auto Recovery
The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground	The adapter shall not damage by short the DC output to ground
13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.	13.8V Typ. - 16V Max.
100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac	100Vac - 240Vac
47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz	47Hz - 63Hz
840mA	840mA	1500mA	950mA
50A	50A	60A	60A
86%	86%	86%	88%
Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C	Min. -10°C - Max. 40°C
Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C	Min. -20°C - Max. 65°C
Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH	Min. 20%RH - Max. %90RH
Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH	Min. 0%RH - Max. %93RH
10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute	10-55Hz / X, Y, Z, Axis Each / 10 Cycle Minute
UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4	UL60950, EN60950, EN61000, ANSI C63.4
50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C	50000 Hours, 25°C

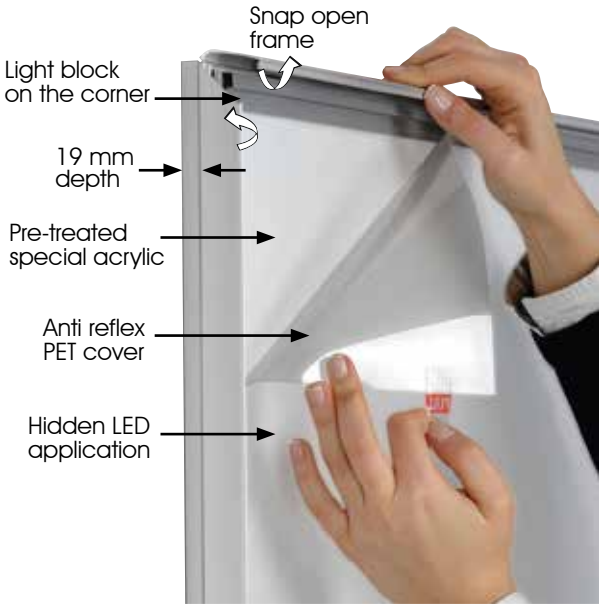


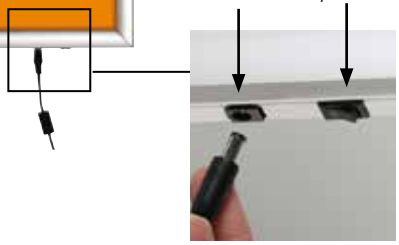
Smart LEDbox 25 mm Single Sided

CAUTION



35ºC Indoor maximum temperature (incl. daily sunny hours). It should be assembled 30 cm from the window.





DIMMER

Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into power supply. It adjusts the light from dark to max lux of LED illuminated frame.
Diming: %10-%100, on/off

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

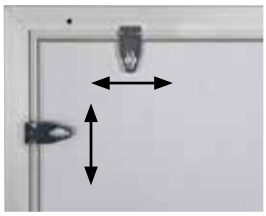
CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULD25TN0A4	210 X 297 mm	4 mm	1700-2000 LUX	6 W / 0.5 A	1 A
ULD25TN0A3	297 X 420 mm	4 mm	3300-3600 LUX	18 W / 1.44 A	2 A
ULD25TN0A2	420 X 594 mm	4 mm	3000-3300 LUX	23 W / 1.92 A	3 A
ULD25TN0A1	594 X 841 mm	6 mm	2700-3000 LUX	35 W / 2.83 A	4 A
ULD25TN0A0	841 X 1189 mm	6 mm	2300-2700 LUX	48 W / 4 A	5 A
ULD25TN0B2	500 X 700 mm	6 mm	2900-3200 LUX	27 W / 2.24 A	3 A
ULD25TN0B1	700 X 1000 mm	6 mm	2500-2800 LUX	41 W / 3.33 A	4 A
ULD25TN023	508 X 762 mm	6 mm	2900-3200 LUX	31 W / 2.56 A	4 A
ULD25TN034	762 X 1016 mm	6 mm	2500-2800 LUX	41 W / 3.36 A	4 A

HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

FEATURES

- Improved LED technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerfull.
- Saves up to 60% energy costs.
- CE certificate provided.
- The lightweight SMART LED BOX with slim profile design and low voltage requirements allow mounting at any given point with access to a regular electrical outlet. The unique frame extrusion offers a wide range of mounting or hanging options.

LED FEATURES (Duris E5)

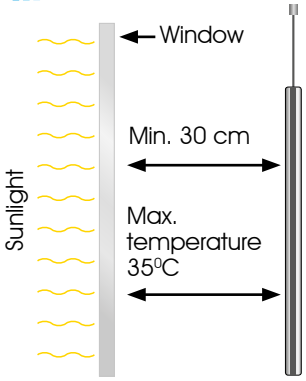
Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

ASSEMBLY SHEET

Smart LEDbox 25 mm Double Sided

CAUTION



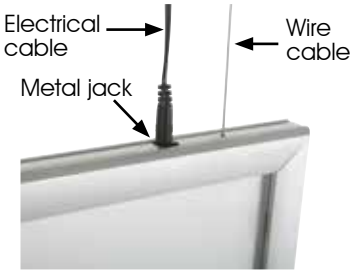
35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

On/off switch

DIMMER

Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into power supply. It adjusts the light from dark to max lux of LED illuminated frame.
Diming: %10-%100, on/off

HANGER



Standard hanging kit for all sizes: 2 meters x 2 pcs wire cable and 2 ceiling hangers.

POWER SUPPLY

- 12 V DC
- Complete with Power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

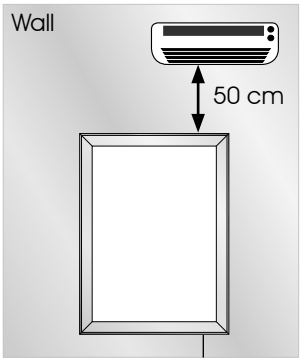
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULD25CN0A4	210 X 297 mm	3+3 mm	1500-1800 LUX	12 W / 1 A	2 A
ULD25CN0A3	297 X 420 mm	3+3 mm	2000-2300 LUX	18 W / 1.5 A	2 A
ULD25CN0A2	420 X 594 mm	3+3 mm	1800-2000 LUX	24 W / 2 A	3 A
ULD25CN0A1	594 X 841 mm	4+4 mm	1600-1800 LUX	36 W / 3 A	4 A
ULD25CN0B2	500 X 700 mm	4+4 mm	1700-1900 LUX	28 W / 2.33 A	3 A
ULD25CN023	508 X 762 mm	4+4 mm	1700-1900 LUX	32 W / 2.66 A	4 A

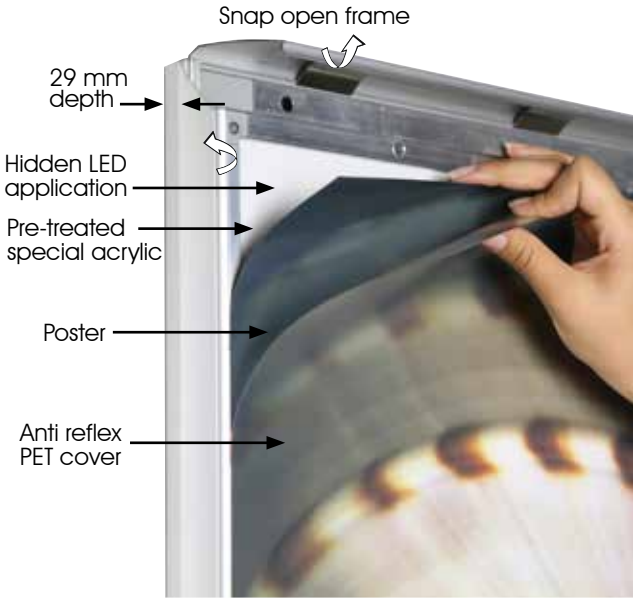
ASSEMBLY SHEET

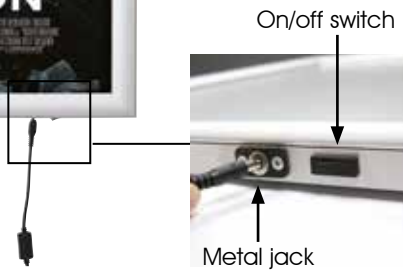
Smart LEDbox 35 mm Single Sided

CAUTION

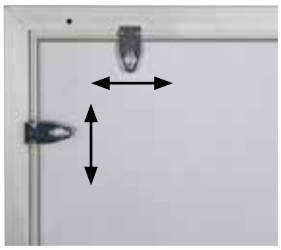


35ºC Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.





HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

DIMMER

Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into power supply. It adjusts the light from dark to max lux of LED illuminated frame.
Diming: %10-%100, on/off

POWER SUPPLY

- 12 V DC
- Complete with Power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

FEATURES

- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided.
- The lightweight SMART LED BOX with slim profile design and low voltage requirements allow mounting at any given point with access to a regular electrical outlet. The unique frame extrusion offers a wide range of mounting or hanging options.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

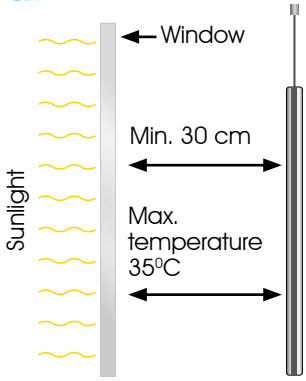
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULD35TN0A4	210 X 297 mm	6 mm	4200-4500 LUX	12 W / 1 A	1 A
ULD35TN0A3	297 X 420 mm	6 mm	3900-4200 LUX	18 W / 1.44 A	2 A
ULD35TN0A2	420 X 594 mm	6 mm	3500-3900 LUX	23 W / 1.91 A	3 A
ULD35TN0A1	594 X 841 mm	6 mm	3000-3300 LUX	35 W / 2.83 A	4 A
ULD35TN0A0	841 X 1189 mm	6 mm	2500-2800 LUX	48 W / 4 A	5 A
ULD35TN0B2	500 X 700 mm	6 mm	3000-3300 LUX	27 W / 2.24 A	3 A
ULD35TN0B1	700 X 1000 mm	6 mm	2600-2900 LUX	41 W / 3.33 A	4 A
ULD35TN0B0	1000 X 1400 mm	6 mm	2000-2300 LUX	58 W / 4.8 A	6 A
ULD35TN023	508 X 762 mm	6 mm	3000-3300 LUX	31 W / 2.56 A	4 A
ULD35TN034	762 X 1016 mm	6 mm	2600-2900 LUX	41 W / 3.36 A	4 A
ULD35TN046	1016 X 1524 mm	6 mm	2000-2300 LUX	60 W / 5 A	6A

ASSEMBLY SHEET

Smart LEDbox 35 mm Double Sided

CAUTION



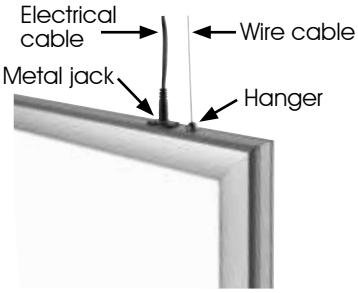
35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

On/off switch

DIMMER

Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into power supply. It adjusts the light from dark to max lux of LED illuminated frame.
Diming: %10-%100, on/off

HANGER



Standard hanging kit for all sizes: 2 meters x 2 pcs wire cable and 2 ceiling hangers.

POWER SUPPLY

- 12 V DC
- Complete with Power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

FEATURES

- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided.
- The lightweight SMART LED BOX with slim profile design and low voltage requirements allow mounting at any given point with access to a regular electrical outlet. The unique frame extrusion offers a wide range of mounting or hanging options.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

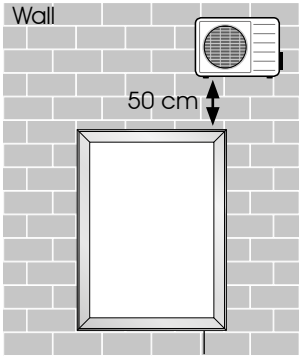
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULD35CN0A1	594 X 841 mm	6+6 mm	2100-2400 LUX	52 W / 4.33 A	6 A
ULD35CN0A0	841 X 1189 mm	6+6 mm	1800-2100 LUX	72 W / 6 A	9 A
ULD35CN0B1	700 X 1000 mm	6+6 mm	2000-2300 LUX	61 W / 5 A	6 A
ULD35CN0B0	1000 X 1400 mm	6+6 mm	1500-1800 LUX	87 W / 7.16 A	9 A
ULD35CN034	762 X 1016 mm	6+6 mm	2000-2300 LUX	62 W / 5 A	6 A
ULD35CN046	1016 X 1524 mm	6+6 mm	1500-1800 LUX	94 W / 7.5 A	9 A

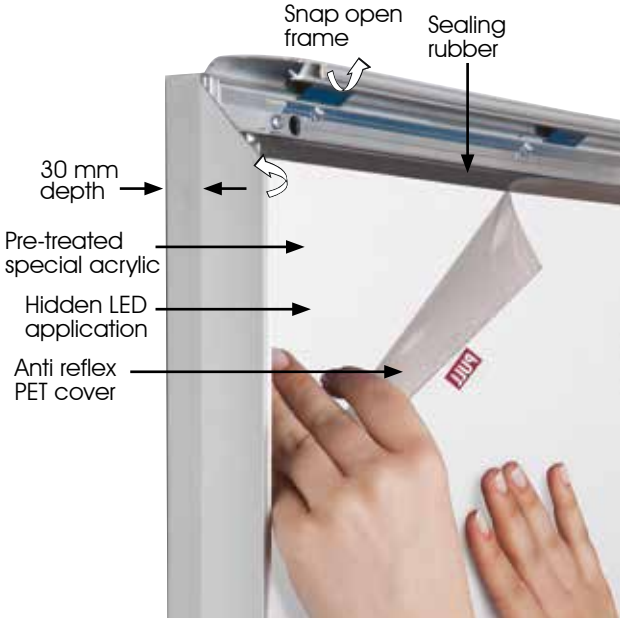
ASSEMBLY SHEET

Weatherproof
Smart LEDbox 35 mm

CAUTION

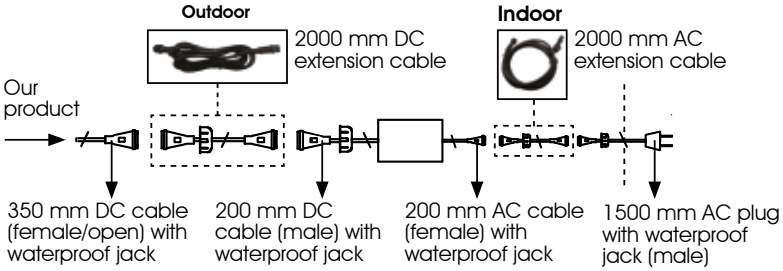


Environment temperature: min. -15°C / max. 45°C.

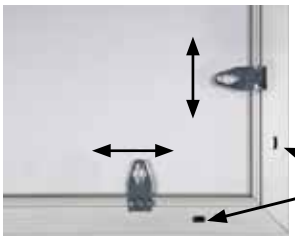


Mobile cable outlet, from the edge and from the back of the aluminum box.

POWER SUPPLY



HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

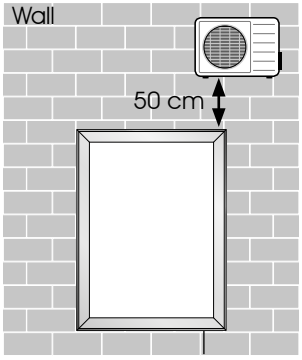
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULS35TN0A4	210 X 297 mm	6 mm	2600-2900 LUX	12 W / 1 A	2 A
ULS35TN0A3	297 X 420 mm	6 mm	2700-3000 LUX	18 W / 1.44 A	2 A
ULS35TN0A2	420 X 594 mm	6 mm	1800-2100 LUX	23 W / 1.91 A	3 A
ULS35TN0A1	594 X 841 mm	6 mm	1600-1900 LUX	35 W / 2.83 A	4 A
ULS35TN0A0	841 X 1189 mm	6 mm	1200-1500 LUX	48 W / 4 A	5 A
ULS35TN0B2	500 X 700 mm	6 mm	1600-1900 LUX	27 W / 2.24 A	3 A
ULS35TN0B1	700 X 1000 mm	6 mm	1400-1700 LUX	41 W / 3.33 A	4 A
ULS35TN0B0	1000 X 1400 mm	6 mm	1000-1200 LUX	58 W / 4.8 A	6 A
ULS35TN023	508 X 762 mm	6 mm	1600-1900 LUX	31 W / 2.56 A	4 A
ULS35TN034	762 X 1016 mm	6 mm	1400-1700 LUX	41 W / 3.36 A	4 A
ULS35TN046	1016 X 1524 mm	6 mm	1000-1200 LUX	60 W / 5 A	6 A

ASSEMBLY SHEET

Lockable Weatherproof Smart LEDbox 35 mm

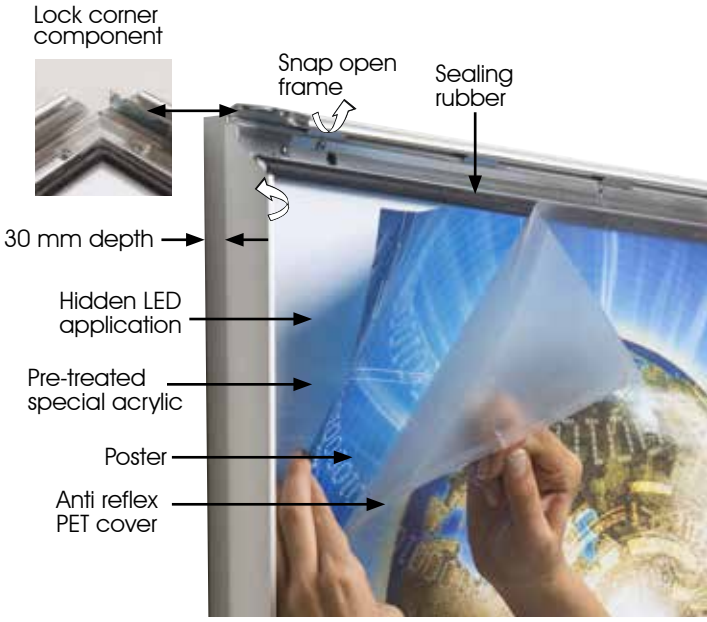
CAUTION



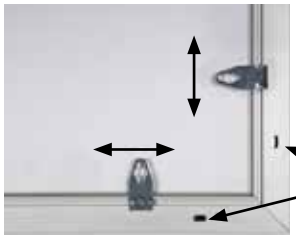
Environment temperature: min. -15°C / max. 45°C.

Mobile cable outlet, from the edge and from the back of the aluminum box.

Locking frame with allen key



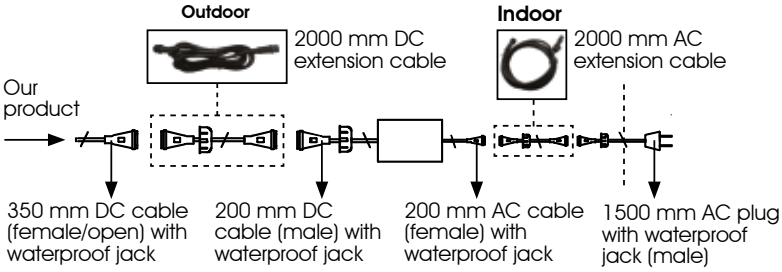
HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

Water drainage

POWER SUPPLY



FEATURES

- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided.
- The lightweight SMART LED BOX with slim profile design and low voltage requirements allow mounting at any given point with access to a regular electrical outlet. The unique frame extrusion offers a wide range of mounting or hanging options.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

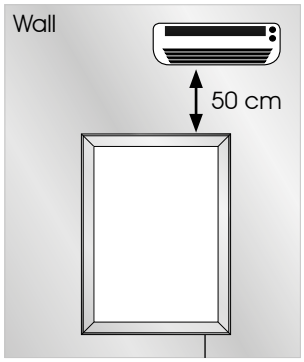
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULH35TN0A4	210 X 297 mm	6+6 mm	2600-2900 LUX	12 W / 1 A	2 A
ULH35TN0A3	297 X 420 mm	6+6 mm	2700-3000 LUX	18 W / 1.44 A	2 A
ULH35TN0A2	420 X 594 mm	6+6 mm	1800-2100 LUX	23 W / 1.91 A	3 A
ULH35TN0A1	594 X 841 mm	6+6 mm	1600-1900 LUX	35 W / 2.83 A	4 A
ULH35TN0A0	841 X 1189 mm	6+6 mm	1200-1500 LUX	48 W / 4 A	5 A
ULH35TN0B2	500 X 700 mm	6+6 mm	1600-1900 LUX	27 W / 2.24 A	3 A
ULH35TN0B1	700 X 1000 mm	6+6 mm	1400-1700 LUX	41 W / 3.33 A	4 A
ULH35TN0B0	1000 X 1400 mm	6+6 mm	1000-1200 LUX	58 W / 4.8 A	6 A
ULH35TN023	508 X 762 mm	6+6 mm	1600-1900 LUX	31 W / 2.56 A	4 A
ULH35TN034	762 X 1016 mm	6+6 mm	1400-1700 LUX	41 W / 3.36 A	4 A
ULH35TN046	1016 X 1524 mm	6+6 mm	1000-1200 LUX	60 W / 5 A	6 A

ASSEMBLY SHEET

Best Buy LEDbox
25 mm Single Sided

CAUTION

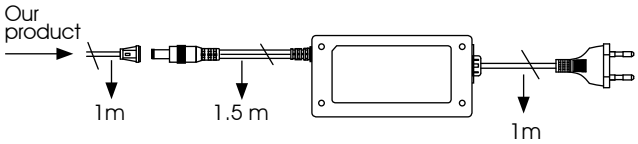


35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

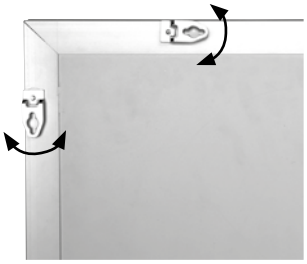
1 m cable

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

CABLE

Delivered with 3,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

LED FEATURES (Duris E3)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (warm, neutral and cool white)
CRI: Min. 80
Luminous Flux: Typ. 30 lm @ 5000 K
Luminous efficacy: Typ. 153 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

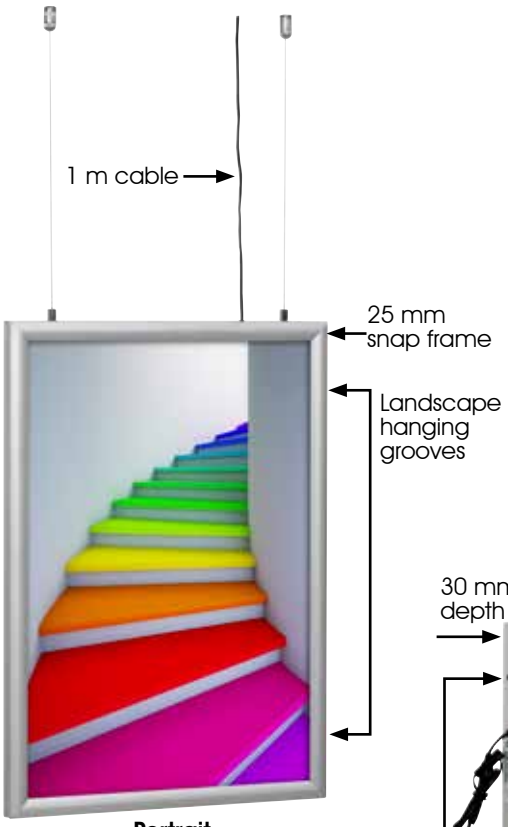
OSRAM

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULB25TN0A4	210 X 297 mm	3 mm	3000-3300 LUX	7 W / 0.58 A	1 A
ULB25TN0A3	297 X 420 mm	3 mm	2800-3000 LUX	11 W / 0.91 A	1 A
ULB25TN0A2	420 X 594 mm	3 mm	2400-2700 LUX	14 W / 1.16 A	2 A
ULB25TN0A1	594 X 841 mm	4 mm	1900-2100 LUX	21 W / 1.75 A	2 A
ULB25TN0A0	841 X 1189 mm	4 mm	1500-1800 LUX	29 W / 2.4 A	3 A
ULB25TN0B2	500 X 700 mm	3 mm	2100-2400 LUX	17 W / 1.41 A	2 A
ULB25TN0B1	700 X 1000 mm	4 mm	1700-2000 LUX	25 W / 2.08 A	3 A
ULB25TN017	280 X 432 mm	3 mm	2800-3000 LUX	10 W / 0.84 A	1 A
ULB25TN022	559 X 712 mm	3 mm	2000-2200 LUX	17.6 W / 1.5 A	2 A
ULB25TN023	508 X 762 mm	3 mm	2200-2500 LUX	17 W / 1.41 A	2 A
ULB25TN024	610 X 915 mm	4 mm	1900-2100 LUX	22.5 W / 1.9 A	3 A
ULB25TN034	762 X 1016 mm	4 mm	1700-2000 LUX	25 W / 2.08 A	3 A

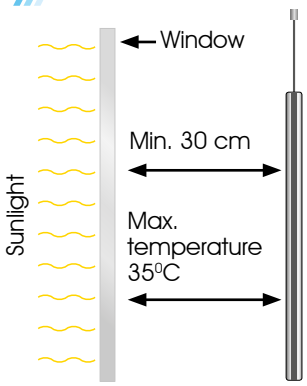
ASSEMBLY SHEET

Best Buy LEDbox
25 mm Double Sided



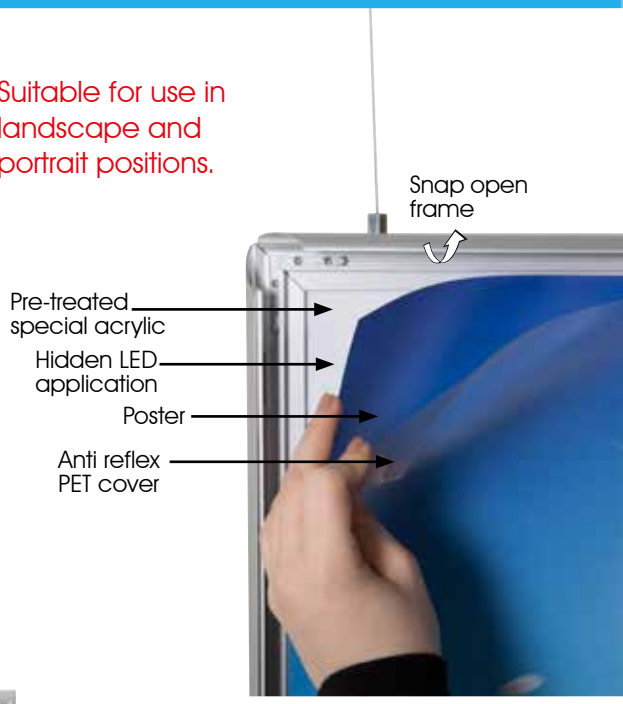
Portrait

CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

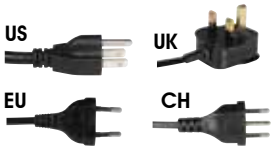
Suitable for use in landscape and portrait positions.



Landscape

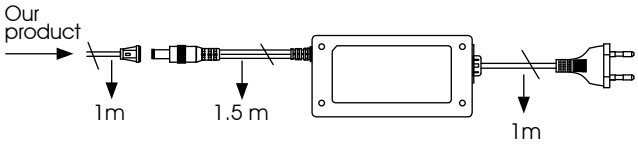
CABLE

Delivered with 3,5 meter long cable and EU plug. UK, US or CH plugs should be specified with order. Extention cable: 1 mm, 2 mm, 3 mm.



POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



HANGER

2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

LED FEATURES (Duris E3)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (warm, neutral and cool white)
CRI: Min. 80
Luminous Flux: Typ. 30 lm @ 5000 K
Luminous efficacy: Typ. 153 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULB25CN0A4	210 X 297 mm	3 mm	2800-3000 LUX	9.5 W / 0.79 A	1 A
ULB25CN0A3	297 X 420 mm	3 mm	2400-2600 LUX	14 W / 1.15 A	2 A
ULB25CN0A2	420 X 594 mm	3 mm	2100-2300 LUX	20 W / 1.66 A	2 A
ULB25CN0A1	594 X 841 mm	4 mm	1800-2000 LUX	28.5 W / 2.38 A	3 A
ULB25CN0A0	841 X 1189 mm	4 mm	1200-1400 LUX	40.5 W / 3.39 A	4 A
ULB25CN0B2	500 X 700 mm	3 mm	2000-2200 LUX	24 W / 2 A	3 A
ULB25CN0B1	700 X 1000 mm	4 mm	1600-1800 LUX	35 W / 2.9 A	4 A
ULB25CN017	280 X 432 mm	3 mm	2400-2600 LUX	16.6 W / 1.22 A	2 A
ULB25CN022	559 X 712 mm	3 mm	1900-2100 LUX	24 W / 2 A	3 A
ULB25CN023	508 X 762 mm	3 mm	2000-2200 LUX	26 W / 2.16 A	3 A
ULB25CN024	610 X 915 mm	4 mm	1800-2000 LUX	31 W / 2.6 A	3 A
ULB25CN034	762 X 1016 mm	4 mm	1600-1800 LUX	36 W / 3.02 A	4 A

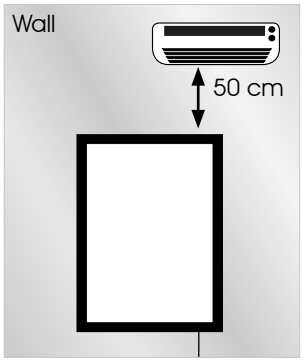
ASSEMBLY SHEET

Magneco LEDbox Single Sided

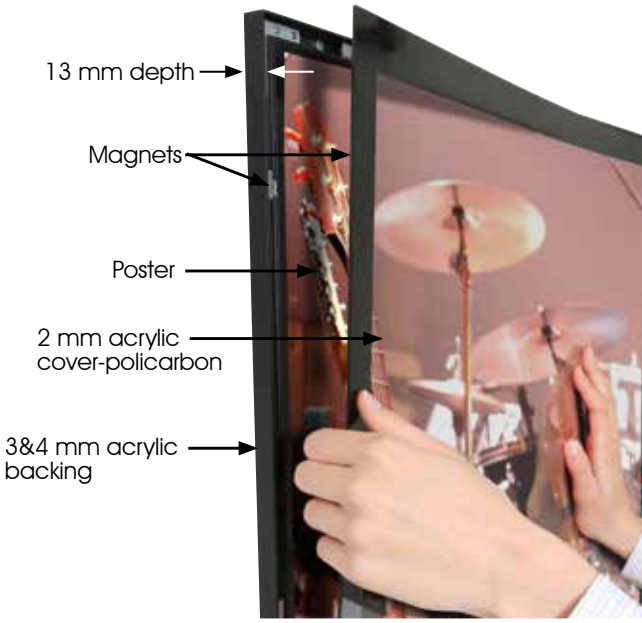
Finger hole to push cover

1 m cable

CAUTION

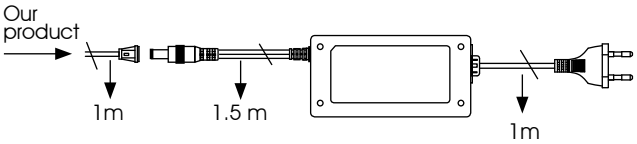


35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.



POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



CABLE

Delivered with 3,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

HANGER

2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

LED FEATURES (Duris E3)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (warm, neutral and cool white)
CRI: Min. 80
Luminous Flux: Typ. 30 lm @ 5000 K
Luminous efficacy: Typ. 153 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

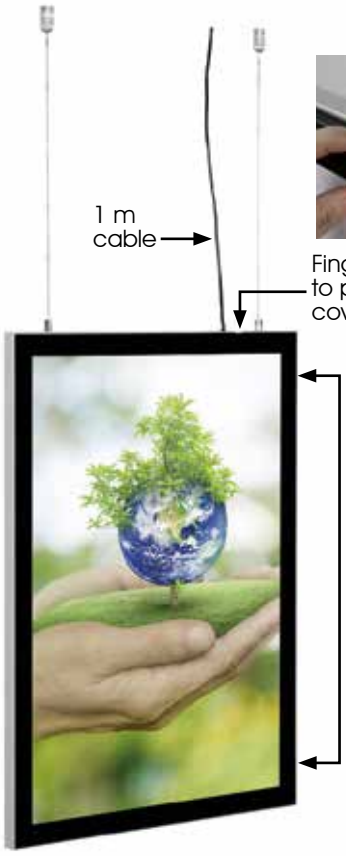
OSRAM

TECHNICAL SPECIFICATION

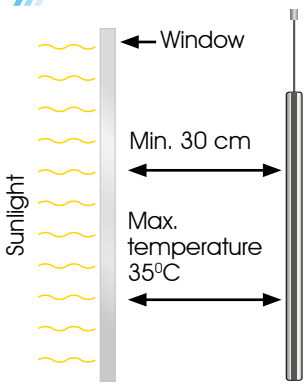
SILVER ARTICLE	BLACK ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULDMEN0BA4	ULDMEB0BA4	210 X 297 mm	3 mm	3000-3600 LUX	7 W / 0.58 A	1 A
ULDMEN0BA3	ULDMEB0BA3	297 X 420 mm	3 mm	3000-3300 LUX	11 W / 0.91 A	1 A
ULDMEN0BA2	ULDMEB0BA2	420 X 594 mm	3 mm	2700-3000 LUX	14 W / 1.16 A	2 A
ULDMEN0BA1	ULDMEB0BA1	594 X 841 mm	4 mm	2300-2600 LUX	21 W / 1.75 A	2 A
ULDMEN0BA0	ULDMEB0BA0	841 X 1189 mm	4 mm	1600-1800 LUX	29 W / 2.4 A	3 A
ULDMEN0BB2	ULDMEB0BB2	500 X 700 mm	3 mm	2200-2500 LUX	17 W / 1.41 A	2 A
ULDMEN0BB1	ULDMEB0BB1	700 X 1000 mm	4 mm	1800-2100 LUX	25 W / 2.08 A	3 A
ULDMEN0B17	ULDMEB0B17	280 X 432 mm	3 mm	2800-3000 LUX	10 W / 0.84 A	1 A
ULDMEN0B22	ULDMEB0B22	559 X 712 mm	3 mm	2000-2200 LUX	17.6 W / 1.5 A	2 A
ULDMEN0B23	ULDMEB0B23	508 X 762 mm	3 mm	2200-2500 LUX	17 W / 1.41 A	2 A
ULDMEN0B24	ULDMEB0B24	610 X 915 mm	4 mm	1900-2100 LUX	22.5 W / 1.9 A	3 A
ULDMEN0B34	ULDMEB0B34	762 X 1016 mm	4 mm	1800-2100 LUX	25 W / 2.08 A	3 A

ASSEMBLY SHEET

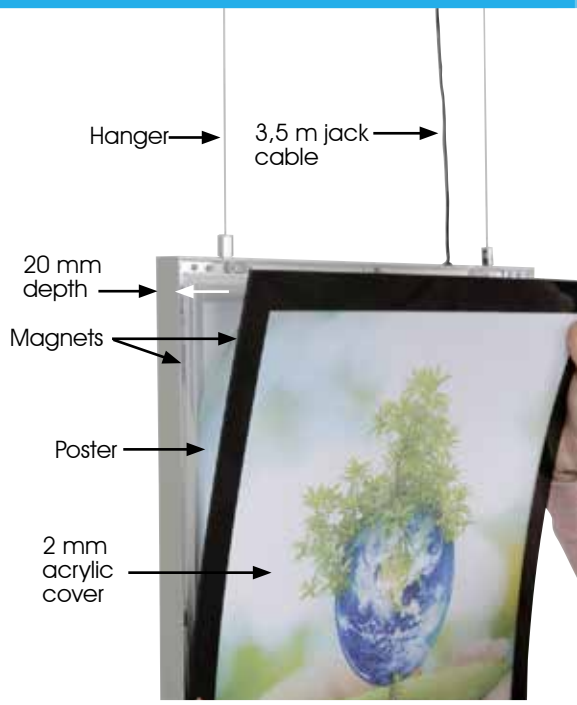
Magneco LEDbox Double Sided



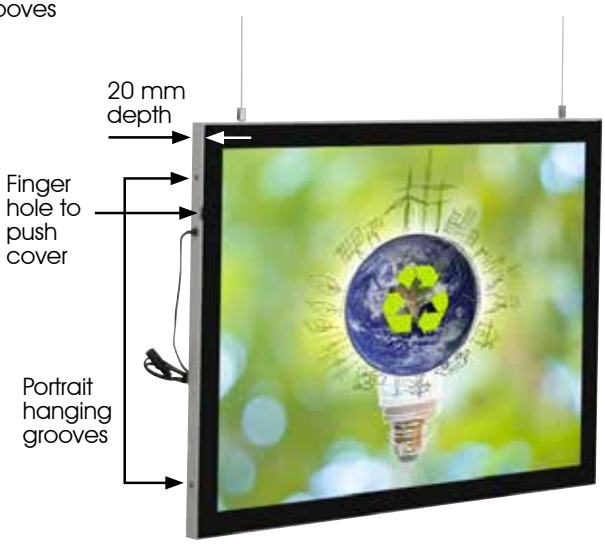
CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.



Suitable for use in landscape and portrait positions.

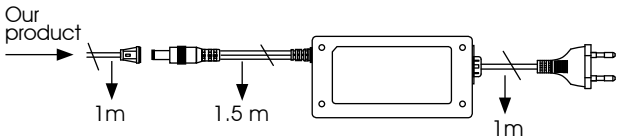


HANGER

2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

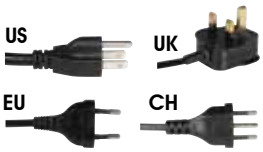
POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



CABLE

Delivered with 3,5 meter long cable and EU plug. UK, US or CH plugs should be specified with order. Extention cable: 1 mm, 2 mm, 3 mm.



LED FEATURES (Duris E3)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (warm, neutral and cool white)
CRI: Min. 80
Luminous Flux: Typ. 30 lm @ 5000 K
Luminous efficacy: Typ. 153 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

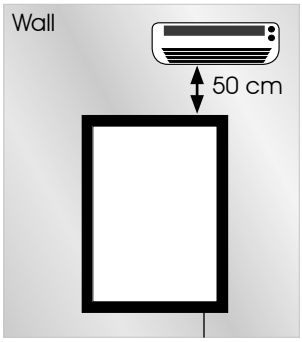
TECHNICAL SPECIFICATION

SILVER ARTICLE	BLACK ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULDMENCBA4	ULDMEBCBA4	210 X 297 mm	3 mm	2800-3000 LUX	9.5 W / 0.79 A	1 A
ULDMENCBA3	ULDMEBCBA3	297 X 420 mm	3 mm	2400-2600 LUX	14 W / 1.15 A	2 A
ULDMENCBA2	ULDMEBCBA2	420 X 594 mm	3 mm	2100-2300 LUX	20 W / 1.66 A	2 A
ULDMENCBA1	ULDMEBCBA1	594 X 841 mm	4 mm	1800-2000 LUX	28.5 W / 2.38 A	3 A
ULDMENCBA0	ULDMEBCBA0	841 X 1189 mm	4 mm	1200-1400 LUX	40.5 W / 3.39 A	4 A
ULDMENCBB2	ULDMEBCBB2	500 X 700 mm	3 mm	2000-2200 LUX	24 W / 2 A	3 A
ULDMENCBB1	ULDMEBCBB1	700 X 1000 mm	4 mm	1600-1800 LUX	35 W / 2.9 A	4 A
ULDMENCB17	ULDMEBCB17	280 X 432 mm	3 mm	2400-2600 LUX	16.6 W / 1.22 A	2 A
ULDMENCB22	ULDMEBCB22	559 X 712 mm	4 mm	1900-2100 LUX	24 W / 2 A	3 A
ULDMENCB23	ULDMEBCB23	508 X 762 mm	3 mm	2000-2200 LUX	26 W / 2.16 A	3 A
ULDMENCB24	ULDMEBCB24	610 X 915 mm	4 mm	1800-2000 LUX	31 W / 2.6 A	3 A
ULDMENCB34	ULDMEBCB34	762 X 1016 mm	4 mm	1600-1800 LUX	36 W / 3.02 A	4 A

ASSEMBLY SHEET

Magnetic Smart Ledbox

CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

On/off switch

Front cover button

HANGER

2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

DIMMER

Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into power supply. It adjusts the light from dark to max lux of LED illuminated frame.
Diming: %10-%100, on/off

POWER SUPPLY

- 12 V DC
- Complete with Power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULDM0N00A4	210 X 297 mm	6 mm	5500-6000 LUX	12 W / 1 A	2 A
ULDM0N00A3	297 X 420 mm	6 mm	5000-5400 LUX	18 W / 1.44 A	2 A
ULDM0N00A2	420 X 594 mm	6 mm	4600-4900 LUX	23 W / 1.91 A	3 A
ULDM0N00A1	594 X 841 mm	6 mm	3500-3800 LUX	35 W / 2.83 A	4 A
ULDM0N00A0	841 X 1189 mm	6 mm	2800-3200 LUX	48 W / 4 A	5 A
ULDM0N00B2	500 X 700 mm	6 mm	4000-4300 LUX	27 W / 2.24 A	3 A
ULDM0N00B1	700 X 1000 mm	6 mm	3000-3300 LUX	41 W / 3.33 A	4 A

FEATURES

- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided.
- The lightweight SMART LED BOX with slim profile design and low voltage requirements allow mounting at any given point with access to a regular electrical outlet. The unique frame extrusion offers a wide range of mounting or hanging options.

LED FEATURES (Duris E5)

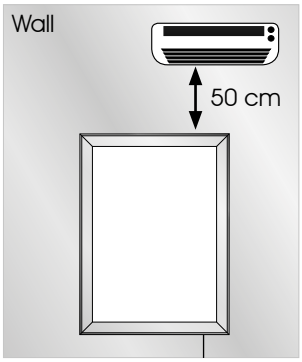
Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

ASSEMBLY SHEET

Ideal Smart Ledbox
25 mm

CAUTION

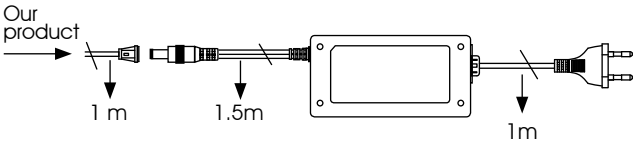


35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

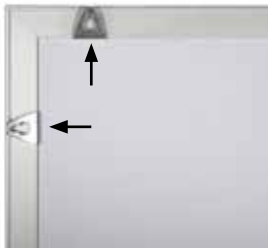
1 m cable

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

CABLE

Delivered with 3,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

LED FEATURES

Viewing angle at : 120°
Color: 7500 K (cool white)
CRI: Min. 70
Luminous efficacy: Typ. 90 lm/W @ 7500 K
Life Time : 30.000 Hours

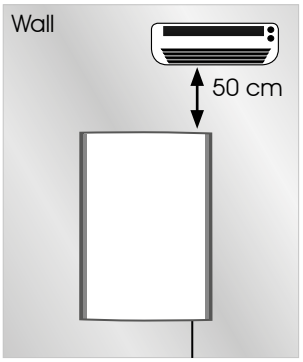
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
ULE25TN0A4	210 X 297 mm	6 mm	3000-3300 LUX	6 W / 0.5 A	1 A
ULE25TN0A3	297 X 420 mm	6 mm	2600-2900 LUX	10 W / 0.8 A	1 A
ULE25TN0A2	420 X 594 mm	6 mm	2300-2600 LUX	13 W / 1.1 A	2 A
ULE25TN0A1	594 X 841 mm	6 mm	1700-1900 LUX	20 W / 1.6 A	2 A
ULE25TN0A0	841 X 1189 mm	6 mm	1300-1600 LUX	28 W / 2.3 A	3 A
ULE25TN0B2	500 X 700 mm	6 mm	2000-2300 LUX	16 W / 1.3 A	2 A
ULE25TN0B1	700 X 1000 mm	6 mm	1600-1800 LUX	24 W / 1.9 A	3 A

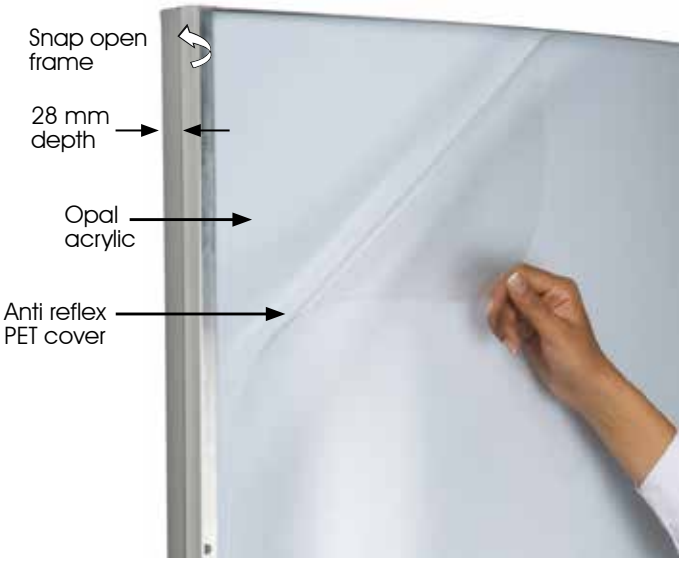
ASSEMBLY SHEET

Convex Ledbox

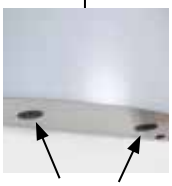
CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.



On/off switch



Ventilation hole

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

HANGER

2 wall hangers are standard in each product. Hang the unit with key hols on the back.

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

LED FEATURES (IAC324B)

- **Viewing angle at :** Wide view angle 160°
- **Color:** 8000 K - 10000 K (cool white)
- **CRI:** Min. 70
- **Luminous Flux:** Typ. 40 lm @ 9000 K
- **Life Time :** 50.000 Hours

SunsignLED

TECHNICAL SPECIFICATION

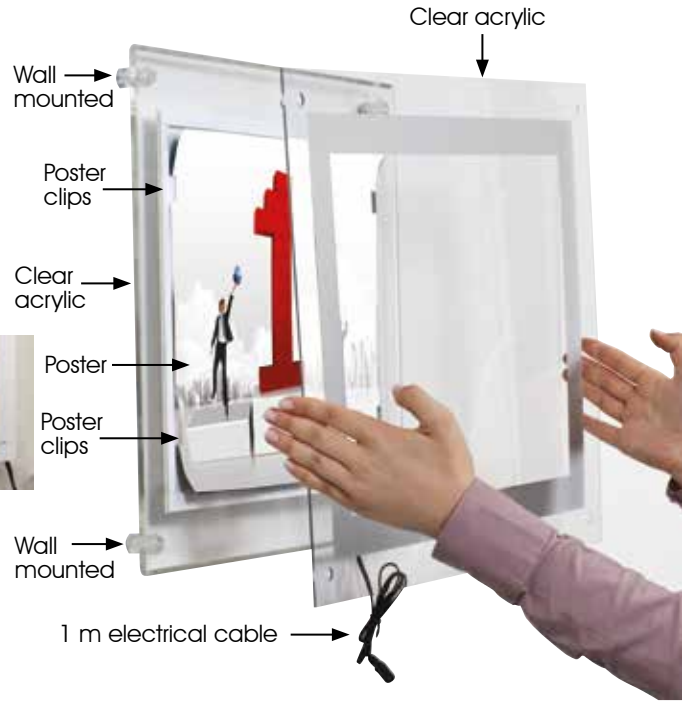
ARTICLE	POSTER	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UCLB25LNA4	210 X 297 mm	1100-1200 LUX	2 W / 0.16 A	1 A
UCLB25LNA3	297 X 420 mm	1100-1200 LUX	3 W / 0.24 A	1 A
UCLB25LNA2	420 X 594 mm	700-800 LUX	8 W / 0.64 A	1 A
UCLB25LNA1	594 X 841 mm	1000-1100 LUX	10 W / 0.84 A	2 A
UCLB25LNB2	500 X 700 mm	500-1000 LUX	7 W / 0.6 A	1 A

ASSEMBLY SHEET

Acryled for Wall Mounting

Square

Electrical cable



Eliptical

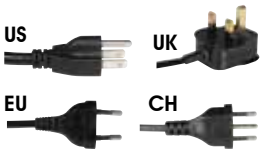
Circle

DIMMER

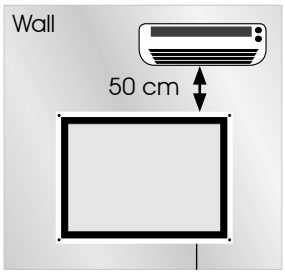
Optional dimmer to go with LED illuminated frame. Simply jack the dimmer in frame and then into powersupply. It adjust the light from dark to max lux of LED illuminated frame. Diming: %10-%100, on/off

CABLE

Delivered with 3,5 meter long cable and EU plug. UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.



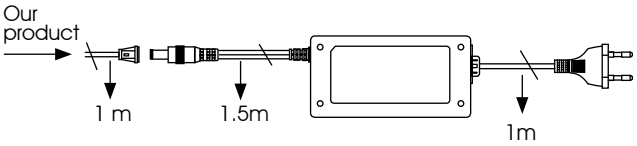
CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

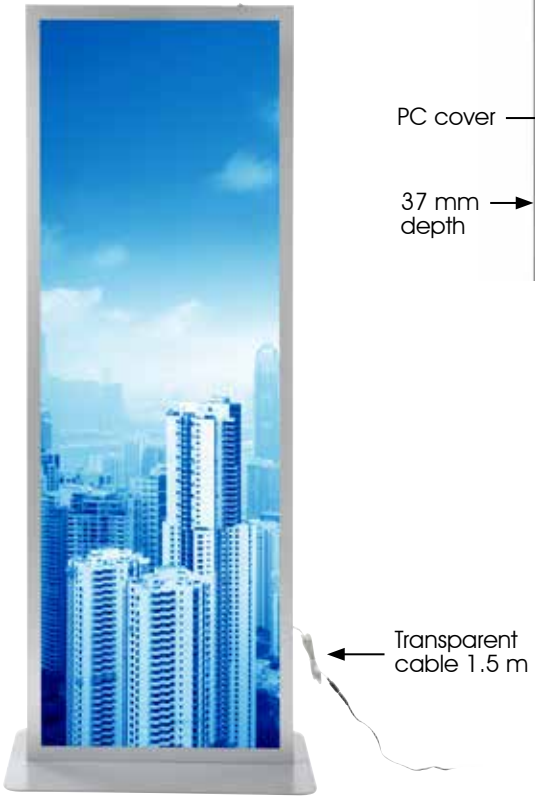
OSRAM

TECHNICAL SPECIFICATION

ARTICLE	POSTER	DESCRIPTION	ACRYLIC THICKENESS	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UACL0N00A4	210 X 297 mm	Square-Silver	8 mm	5000-5500 LUX	6 W / 0.5 A	1 A
UACL0N00A3	297 X 420 mm	Square-Silver	8 mm	4500-5000 LUX	18 W / 1.44 A	2 A
UACL0N00A2	420 X 594 mm	Square-Silver	8 mm	3500-4000 LUX	23 W / 1.92 A	3 A
UACL0N00A1	594 X 841 mm	Square-Silver	8 mm	3400-3800 LUX	34,56 W / 2.88 A	4 A
UACL0B00A4	210 X 297 mm	Square-Black	8 mm	5000-5500 LUX	6 W / 0.5 A	1 A
UACL0B00A3	297 X 420 mm	Square-Black	8 mm	4500-5000 LUX	18 W / 1.44 A	2 A
UACL0B00A2	420 X 594 mm	Square-Black	8 mm	3500-4000 LUX	23 W / 1.92 A	3 A
UACL0B00A1	594 X 841 mm	Square-Black	8 mm	3400-3800 LUX	34,56 W / 2.88 A	4 A
UACLYN0000	Ø 446	Circle-Silver	10 mm	2500-3000 LUX	17.4 W / 1.45 A	2 A
UACLYB0000	Ø 446	Circle-Black	10 mm	2500-3000 LUX	17.4 W / 1.45 A	2 A
UACLEN0000	700 X 350 mm	Eliptical-Silver	10 mm	2500-3000 LUX	21 W / 1.75 A	2 A
UACLEB0000	700 X 350 mm	Eliptical-Black	10 mm	2500-3000 LUX	21 W / 1.75 A	2 A

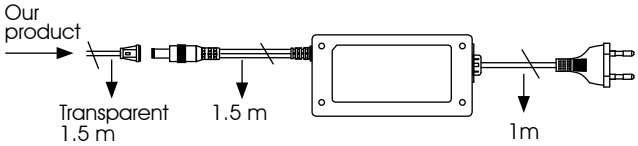
ASSEMBLY SHEET

LEDA Illuminated Magnetic Totem



POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.



CABLE

Delivered with 4 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

LED FEATURES (Duris E3)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (warm, neutral and cool white)
CRI: Min. 80
Luminous Flux: Typ. 30 lm @ 5000 K
Luminous efficacy: Typ. 153 lm/W @ 5000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

TECHNICAL SPECIFICATION

ARTICLE	POSTER	DESCRIPTION	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UMLD37B000	594 X 1682 mm	Black	1900-2100 LUX	65.28 W / 5.44 A	6 A
UMLD37N000	594 X 1682 mm	Silver	1900-2100 LUX	65.28 W / 5.44 A	6 A

ASSEMBLY SHEET

Totem

Ventilation holes

Pegs to hold poster

Magnetic PET cover

25 mm snap frame

Snap open

Snap open

Electrical cable

Magnetic PET cover

Patent: TR 2005 04637
PCT/TR 2006/000016 - EP 1955311 -
US 2009217560 - CN 101356559 -
JP 2009516867 -CA 2631268 -
PCT/TR09/000148

CABLE

Delivered with 2 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

FLUORESCENT FEATURES (FT8/58W/860/GE/SL1/25)

Color: 6400 K (white)
CRI: 84
Luminous Flux: Typ. 5000 lm @ 6400 K
Luminous efficacy: Typ. 86 lm/W @ 6400 K
Life Time: 20.000 Hours

FEATURES

- Easy poster change.
- Magnetic door like poster cover.

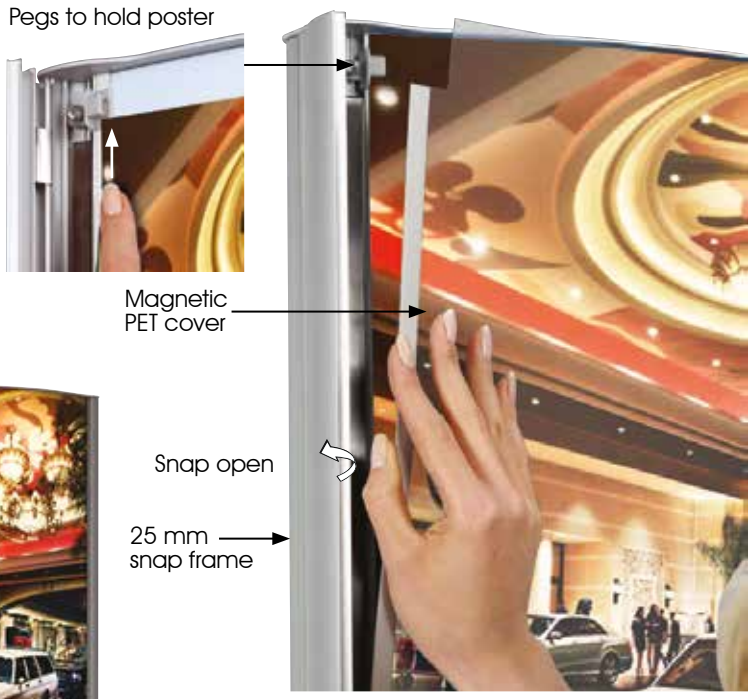
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ILLUMINATION	POWER CONSUMPTION	POWER
UTTM001000	600 X 1700 mm	1 X 58 W	58 W	AC 230 V
UTTM002000	700 X 1700 mm	1 X 58 W	58 W	AC 230 V
UTTM003000	800 X 1700 mm	2 X 58 W	116 W	AC 230 V

ASSEMBLY SHEET

Decorative Totem

Electrical cable



CABLE

Delivered with 2 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

FEATURES

- Easy poster change.
- Magnetic door like poster cover.
- Allows for customizing.

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ILLUMINATION	POWER CONSUMPTION	POWER
UTTM011010	594 X 841 mm	1 X 18 W	18 W	AC 230 V
UTTM011020	700 X 1000 mm	1 X 30 W	30 W	AC 230 V
UTTM011040	500 X 700 mm	1 X 18 W	18 W	AC 230 V
UTTM011030	841 X 1189 mm	2 X 36 W	72 W	AC 230 V

FLUORESCENT FEATURES

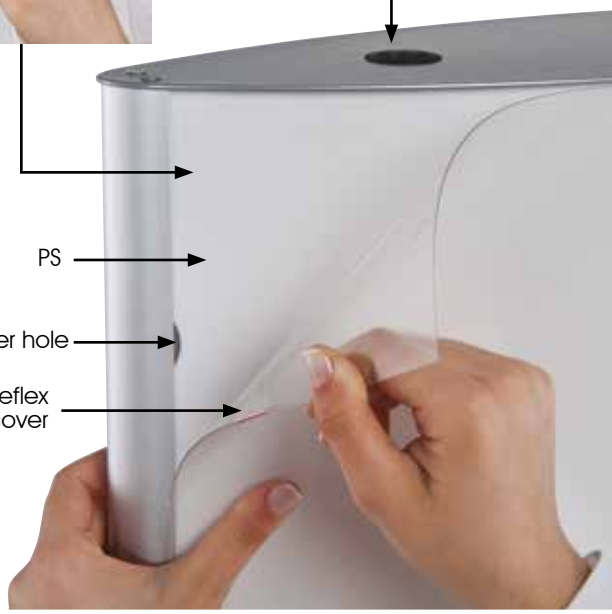
L 18 W / FT8/18W/860/GE/SL1/25
Color: 6400 K (white)
CRI: 82
Luminous Flux: Typ. 1300 lm @ 6400 K
Luminous efficacy: Typ. 72 lm/W @ 6400 K
Life Time: 20.000 Hours

L 30 W / 865
Color: 6400 K (white)
CRI: 80..89
Luminous Flux: Typ. 2300 lm @ 6500 K
Luminous efficacy: Typ. 78 lm/W @ 6500 K
Life Time: 20.000 Hours

L 36 W / FT8/36W/860/GE/SL1/25
Color: 6400 K (white)
CRI: 82
Luminous Flux: Typ. 3250 lm @ 6400 K
Luminous efficacy: Typ. 90 lm/W @ 6400 K
Life Time: 20.000 Hours

ASSEMBLY SHEET

Mono Totem with Light



CABLE

Delivered with 2 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

FEATURES

- Budget solution.
- Available with or without illumination.

FLUORESCENT FEATURES (FT8/58W/860/GE/SL1/25)

Color: 6400 K (white)
CRI: 84
Luminous Flux: Typ. 5000 lm @ 6400 K
Luminous efficacy: Typ. 86 lm/W @ 6400 K
Life Time: 20.000 Hours

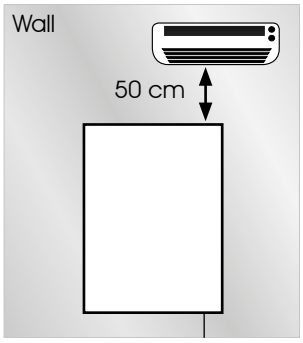
TECHNICAL SPECIFICATION

ARTICLE	POSTER	ILLUMINATION	POWER CONSUMPTION	POWER
UTTME00500	500 X 1700 mm	1 X 58 W	58 W	AC 230 V
UTTME00600	600 X 1700 mm	1 X 58 W	58 W	AC 230 V

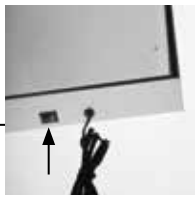
ASSEMBLY SHEET

Maxi Frame with LED

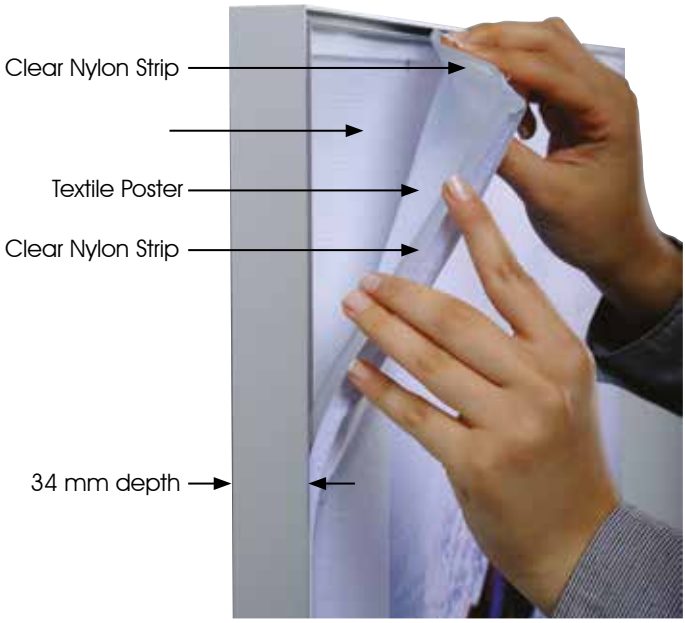
CAUTION



35ºC Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.



On/off switch



HANGER

2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

FEATURES

- Optinal nylon strips available
- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided..

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

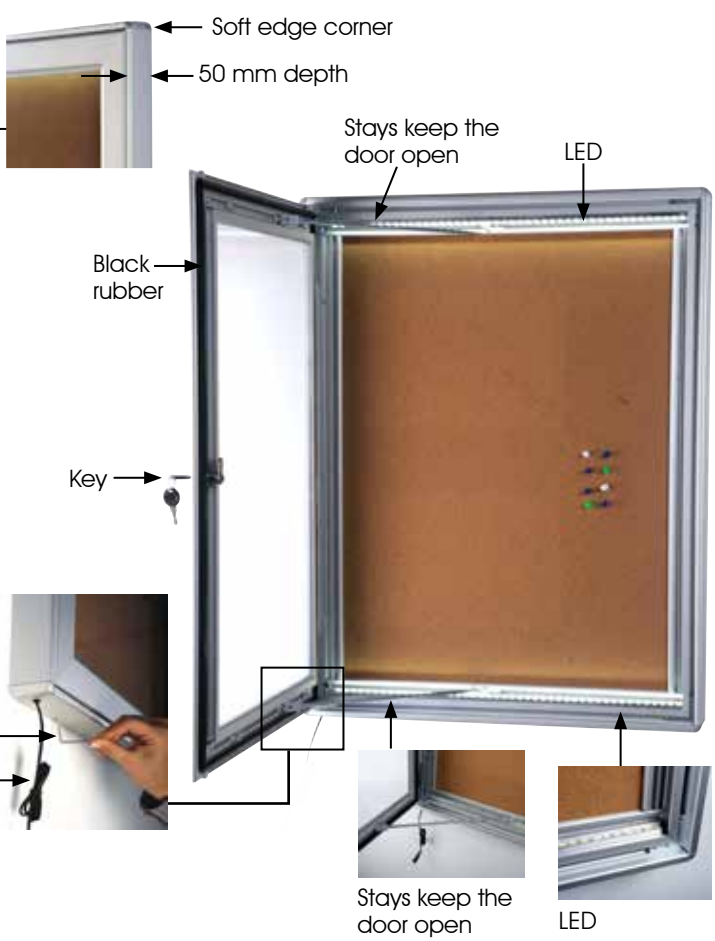
TECHNICAL SPECIFICATION

ARTICLE	EXTERNAL	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UMLD3400A4	210 X 297 mm	4500-5000 LUX	12 W / 1A	2 A
UMLD3400A3	297 X 420 mm	4000-4500 LUX	18 W / 1.44 A	2 A
UMLD3400A2	420 X 594 mm	3500-4000 LUX	23 W / 1.91 A	3 A
UMLD3400A1	594 X 841 mm	3000-3300 LUX	35 W / 2.83 A	4 A
UMLD3400A0	841 X 1189 mm	2700-3000 LUX	48 W / 4 A	5 A
UMLD3400B2	500 X 700 mm	3300-3800 LUX	27 W / 2.24 A	3 A
UMLD3400B1	700 X 1000 mm	2300-2600 LUX	41 W / 3.33 A	4 A
UMLD3400B0	1000 X 1400 mm	1700-2000 LUX	56 W / 4.8 A	6 A
UMLD340023	508 X 762 mm	3300-3800 LUX	31 W / 2.56 A	4 A
UMLD340034	762 X 1016 mm	2200-2500 LUX	41 W / 3.36 A	4 A
UMLD340046	1016 X 1524 mm	1700-2000 LUX	60 W / 5 A	6 A

ASSEMBLY SHEET

Noticeboard with LED Light

WEATHERPROOF



Size of boards for all Noticeboards models:

4A4

A4	A4
A4	A4

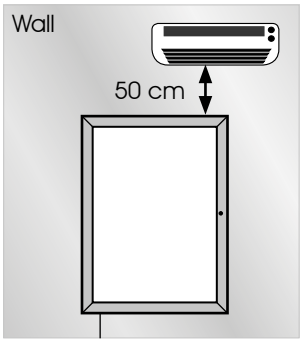
6A4

A4	A4
A4	A4
A4	A4

9A4

A4	A4	A4
A4	A4	A4
A4	A4	A4

CAUTION



35°C Indoor maximum temperature (incl. daily sunny hours.) It should be assembled 30 cm from the window.

POWER SUPPLY

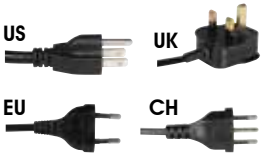
- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

FEATURES

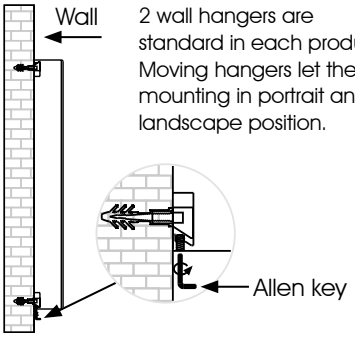
- Suitable for outdoor use
- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided..

CABLE

Delivered with 2,5 meter long cable and EU plug. UK, US or CH plugs should be specified with order. Extention cable: 1 mm, 2 mm, 3 mm.



HANGER



2 wall hangers are standard in each product. Moving hangers let the mounting in portrait and landscape position.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

TECHNICAL SPECIFICATION

CORK	MAGNETIC	M&C	CAPACITY	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UNBN0L04A4	UNBN1L04A4	UNBN2L04A4	4 X A4	24 W / 2 A	3 A
UNBN0L06A4	UNBN1L06A4	UNBN2L06A4	6 X A4	24 W / 2 A	3 A
UNBN0L09A4	UNBN1L09A4	UNBN2L09A4	9 X A4	34.56 W / 2.88 A	4 A

ASSEMBLY SHEET

Curved Menuboard with AcryLED

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

FEATURES

- Halo effect around the frame.
- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided..

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

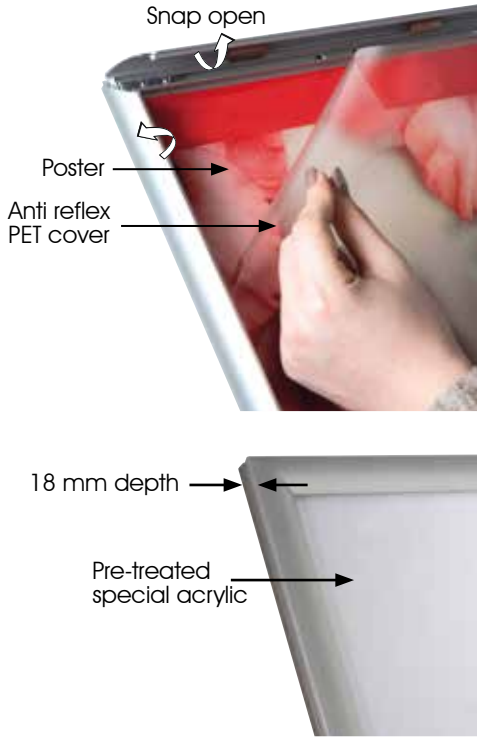
OSRAM

TECHNICAL SPECIFICATION

SILVER	BLACK	POSTER	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UCUALN00A4	UCUALB00A4	210 X 297 mm	5000-5500 LUX	5.7 W / 0.48 A	1 A
UCUALN00A3	UCUALB00A3	297 X 420 mm	4500-5000 LUX	17.28 W / 1.44 A	2 A

ASSEMBLY SHEET

Flexible Menuboard with LEDbox



Patent Pending TR 2007 06354 - TR 2007 03453 - PCT/TR 2007/000131 - DE 20 2007 016 574 - OHIM 000748223-0001,2 - FR 760305 - US 29/295.750 - US D 597, 764 S - JP 2007-022472 - JP 2007-022473 - CN 200730321542.4 - CN 200730321543.

POWER SUPPLY

- 12 V DC
- Complete with power supply
- 2 year guaranteed
- 7/16 use
- If 7/24 use required, please order individually.

FEATURES

- Halo effect around the frame.
- Improved Led technology for improved luminance.
- Pre-treated light guided panel diffuses light even & powerful.
- Saves up to 60% energy costs.
- CE certificate provided..

CABLE

Delivered with 2,5 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.
Extention cable: 1 mm, 2 mm, 3 mm.

LED FEATURES (Duris E5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 85)
Luminous Flux: Typ. 56 lm @ 5000 K
Luminous efficacy: Typ. 156 lm/W @ 5000 K
Luminous efficacy @ 65m A: Typ. 170 lm/W @ 5000K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

TECHNICAL SPECIFICATION

CORK	POSTER	DESCRIPTION	ILLUMINATION	POWER CONSUMPTION	POWER SUPPLY RECOMMENDED
UFML00N0A4	210 X 297 mm	Flexible height - Silver	3000-3300 W	7 W / 0.58 A	1 A
UFML00N0A3	420 X 297 mm	Flexible height - Silver	2800-3000 W	11/ W / 0.91 A	1 A
UFML10B0A4	210 X 297 mm	Fixed height - Black	3000-3300 W	7 W / 0.58 A	1 A
UFML10B0A3	420 X 297 mm	Fixed height - Black	2800-3000 W	11/ W / 0.91 A	1 A

ASSEMBLY SHEET

Illuminated WindPro with LED

Patent No: OHIM DM/084 128

TZZZ998701
Optional cable lock kit for WindPro 2100mm

WARNING

- Do not charge the battery in the lockable compartment of the base.
- Battery will be shipped at full charge capacity see digital indication on the battery to recharge.
- Battery should be stored fully charged
- If not in use, every 3 months battery should be recharged.
- Do not keep the base in water more than 10cm as it may let the water in battery compartment.

BATTERY & BATTERY CHARGER

UYPSWL0010
Spare battery

- 29.2 V DC
- Complete with charger
- 1 year guaranteed

Delivered with 2 meter long cable and EU plug.
UK, US or CH plugs should be specified with order.

CARRY TOOL

WindPro tool / UYUP480945
Included in each box. Pulling force 6-8 kg max.

TECHNICAL SPECIFICATION

ARTICLE	POSTER	ILLUMINATION		POWER CONSUMPTION	
USWL000NA1	594 X 841 mm	Energy Saving	Bright Mod	Energy Saving	Bright Mod
USWL000NA1	594 X 841 mm	1000 LUX	2000 LUX	15 W	30 W

PRODUCT FEATURES

- Patented product
- Outdoor use, IP certified
- Adjustable brightness:
  - ✓ Bright Mode: approx. 9 hours (2000-2200 Lux)
  - ✓ Energy Saving Mode: approx.18 hours (1000-1100 Lux)

  *This information is based on average temperature of 23°C.
- Complete with accessories: battery, carry tool, charger.
- Chrome coated zamak corners provide mitred look and yet soft finish corners
- UV resistant covers
- 12 locks keeps the poster safe.

LED FEATURES (Duris S5)

Viewing angle at 50 % IV: 120°
Color: 2700 K - 6500 K (white)
CRI: Min. 80 (typ. 82)
Luminous Flux: Typ. 28 lm @ 3000 K
Luminous efficacy: Typ. 149 lm/W @ 3000 K
Lumen Maintenance: Testing according to IESNA LM-80 in progress
Life Time : 50.000 Hours
Colour: 5700 K -6500 K (White)*
*For special inquired colour is available in 2700 K -6500 K

OSRAM

ASSEMBLY SHEET / MANUAL

See for the details in manual