

PRODUCT DATASHEET

TRUSYS UNIV P 73W 840 VN CL PS

TRUSYS UNIVERSAL | The solution for refurbishment - universal fitting to existing trunking luminaire system

Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Industry halls, high rack warehouse, hardware stores
- Discounters, supermarkets



PERFOR-
MANCE
CLASS

Product benefits

- The solution for refurbishment: universal fitting to existing trunking luminaire system
- Easy installation, no tools required for connection
- Energy saving and cost-effective
- Flexible application due to a range of different lumen packages and beam angles

Product features

- Multi Lumen function: power steps selectable
- Beam angles: 120° (VW), 90° (W), 60° (N), 30° (VN)
- Click into place solution with smart click buttons
- Luminous efficacy: up to 185 lm/W
- Lifetime (L80/B10): up to 100,000 h (at 25 °C)
- Initial color consistency: ≤ 3 SDCM



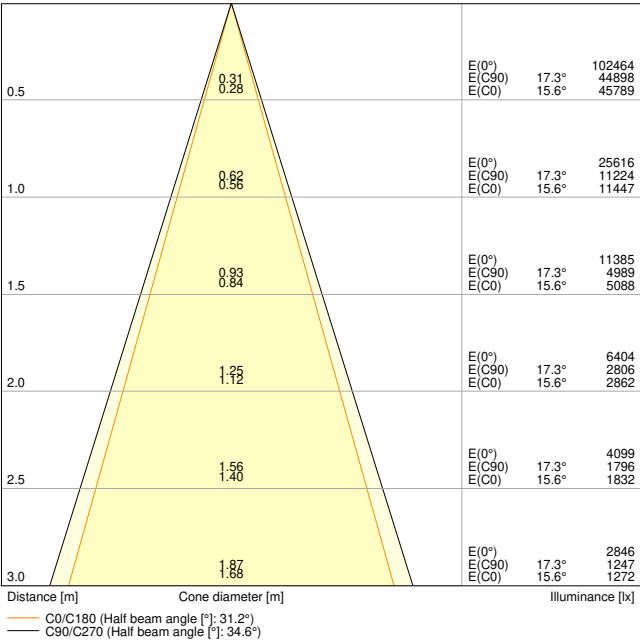
TECHNICAL DATA

Electrical data

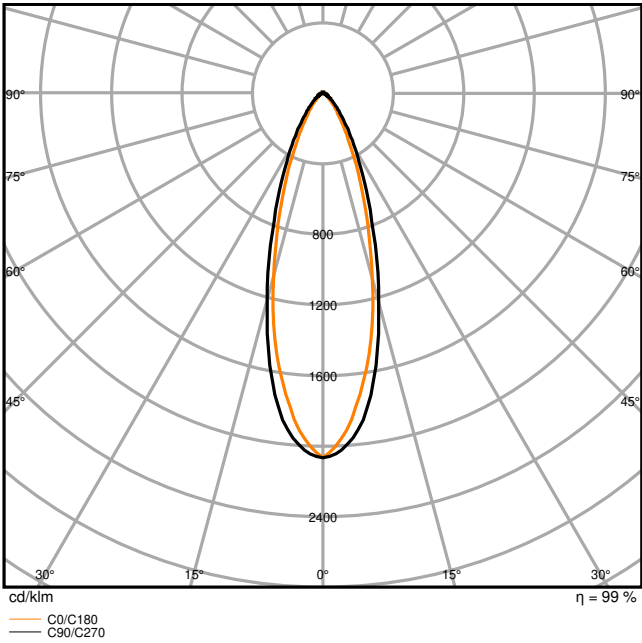
Nominal wattage	73 W / 66 W / 57 W / 49 W / 41 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	330...300...260...220...190 mA
Inrush current	0.33 A
Inrush current time T_{h50}	302 μ s
Max. number of luminaires per miniature circuit breaker B16	8
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	14
Power factor λ	≥ 0.90
Total harmonic distortion	$\leq 15 \%$
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	12400 lm / 11420 lm / 10030 lm / 8720 lm / 7380 lm
Luminous efficacy	170 lm/W / 173 lm/W / 176 lm/W / 178 lm/W / 180 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 sdc _{cm}
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	30 °



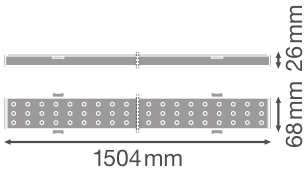
TRUSYS UNIV P 73W 840 VN CL PS



TRUSYS UNIV P 73W 840 VN CL PS

Dimensions & Weight

Length	1504.00 mm
Width	68.00 mm
Height	26.00 mm
Product weight	1695.00 g



TRUSYS UNIV P 73/75W 840 CL
PS/DALI

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+40 °C
Temperature range at storage	-40...+80 °C
Type of connection	Plug-In connection
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Mounting rail
Application environment	Indoor
Adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	120000 h ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L90/B10 at 25 °C	54000 h
Number of switching cycles	50000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	450...400...350...300...250 mA
ECG - Output ripple current	< 5 %

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
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Type of emergency operation test	None
Wattage in emergency operation mode	73 W
Luminous flux in emergency operation mode	12400 lm

Certificates & Standards

Standards	CE / CB / UKCA / ENEC / TÜV / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00033-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT
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EQUIPMENT / ACCESSORIES

– Various accessories available

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	TRUSYS UNIVERSAL
	Legal information	Legal insert
	Legal information	LISO Insert TRUSYS UNIVERSAL
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	Safety Insert G11205497
	Declarations of conformity	CE Declaration Trusys Universal
	Declarations of conformity UKCA	UKCA Declaration Trusys Universal
	EPD	EPD EN TRUSYS UNIVERSAL DALI

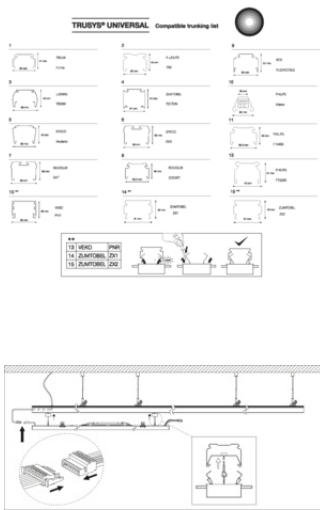
Photometric and lighting design files		Document name
	IES file (IES)	TRUSYS UNIV P 73W 840 VN CL PS
	LDT file (Eulumdat)	TRUSYS UNIV P 73W 840 VN CL PS
	ULD file (DIALux)	TRUSYS UNIV P 73W 840 VN CL PS
	ROLF file (RELUX)	TRUSYS UNIV P 73W 840 VN CL PS
	UGR file (UGR table)	TRUSYS UNIV P 73W 840 VN CL PS
	Light distribution curve type cone	TRUSYS UNIV P 73W 840 VN CL PS
	Light distribution curve type polar	TRUSYS UNIV P 73W 840 VN CL PS
CAD/BIM files		Document name
	BIM Revit 3D	TruSys Universal
	CAD STEP 3D	TRUSYS UNIV
Tender texts		Document name
	Tender documents	TRUSYS UNIVERSAL 73W 840 VN CL PS-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854311581	Folding box 1	93 mm x 1,540 mm x 69 mm	1985.00 g	9.88 dm ³
4099854311598	Shipping box 4	1,560 mm x 295 mm x 110 mm	9400.00 g	50.62 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



TruSys UNIVERSAL 50W ON/OFF

W	LM	1	2	3
20W	3700	—	—	—
30W	5550	—	ON	—
40W	7400	—	—	ON
50W	9000	—	ON	ON

TruSys UNIVERSAL 73W ON/OFF

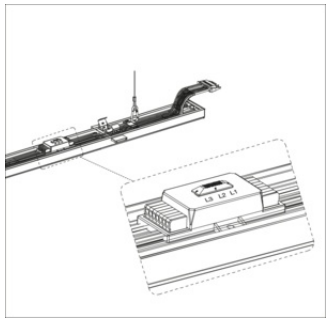
W	LM	1	2	3	4
41W	7380	—	—	—	ON
49W	8720	—	—	ON	—
57W	10030	—	ON	—	—
66W	11420	ON	—	—	—
73W	12400	—	—	—	—

1x TRUSYS UNIV

2x TRUSYS UNIV

10x TRUSYS UNIV

TRUSYS UNIV 50W ON/OFF	Clk A	Clk B	Clk C	Clk D	Clk E	Clk F	Clk G	Clk H	Clk I	Clk J	Clk K	Clk L	Clk M	Clk N	Clk O	Clk P	Clk Q	Clk R	Clk S	Clk T	Clk U	Clk V	Clk W	Clk X	Clk Y	Clk Z	Clk AA	Clk AB	Clk AC	Clk AD	Clk AE	Clk AF	Clk AG	Clk AH	Clk AI	Clk AJ	Clk AK	Clk AL	Clk AM	Clk AN	Clk AO	Clk AP	Clk AQ	Clk AR	Clk AS	Clk AT	Clk AU	Clk AV	Clk AW	Clk AX	Clk AY	Clk AZ	Clk BA	Clk BB	Clk BC	Clk BD	Clk BE	Clk BF	Clk BG	Clk BH	Clk BI	Clk BJ	Clk BK	Clk BL	Clk BM	Clk BN	Clk BO	Clk BP	Clk BQ	Clk BR	Clk BS	Clk BT	Clk BU	Clk BV	Clk BW	Clk BX	Clk BY	Clk BZ	Clk CA	Clk CB	Clk CC	Clk CD	Clk CE	Clk CF	Clk CG	Clk CH	Clk CI	Clk CJ	Clk CK	Clk CL	Clk CM	Clk CN	Clk CO	Clk CP	Clk CQ	Clk CR	Clk CS	Clk CT	Clk CU	Clk CV	Clk CW	Clk CX	Clk CY	Clk CZ	Clk DA	Clk DB	Clk DC	Clk DD	Clk DE	Clk DF	Clk DG	Clk DH	Clk DI	Clk DJ	Clk DK	Clk DL	Clk DM	Clk DN	Clk DO	Clk DP	Clk DQ	Clk DR	Clk DS	Clk DT	Clk DU	Clk DV	Clk DW	Clk DX	Clk DY	Clk DZ	Clk EA	Clk EB	Clk EC	Clk ED	Clk EE	Clk EF	Clk EG	Clk EH	Clk EI	Clk EJ	Clk EK	Clk EL	Clk EM	Clk EN	Clk EO	Clk EP	Clk EQ	Clk ER	Clk ES	Clk ET	Clk EU	Clk EV	Clk EW	Clk EX	Clk EY	Clk EZ	Clk FA	Clk FB	Clk FC	Clk FD	Clk FE	Clk FF	Clk FG	Clk FH	Clk FI	Clk FJ	Clk FK	Clk FL	Clk FM	Clk FN	Clk FO	Clk FP	Clk FQ	Clk FR	Clk FS	Clk FT	Clk FU	Clk FV	Clk FW	Clk FX	Clk FY	Clk FZ	Clk GA	Clk GB	Clk GC	Clk GD	Clk GE	Clk GF	Clk GG	Clk GH	Clk GI	Clk GJ	Clk GK	Clk GL	Clk GM	Clk GN	Clk GO	Clk GP	Clk GQ	Clk GR	Clk GS	Clk GT	Clk GU	Clk GV	Clk GW	Clk GX	Clk GY	Clk GZ	Clk HA	Clk HB	Clk HC	Clk HD	Clk HE	Clk HF	Clk HG	Clk HH	Clk HI	Clk HJ	Clk HK	Clk HL	Clk HM	Clk HN	Clk HO	Clk HP	Clk HQ	Clk HR	Clk HS	Clk HT	Clk HU	Clk HV	Clk HW	Clk HX	Clk HY	Clk HZ	Clk IA	Clk IB	Clk IC	Clk ID	Clk IE	Clk IF	Clk IG	Clk IH	Clk II	Clk IJ	Clk IK	Clk IL	Clk IM	Clk IN	Clk IO	Clk IP	Clk IQ	Clk IR	Clk IS	Clk IT	Clk IU	Clk IV	Clk IW	Clk IX	Clk IY	Clk IZ	Clk JA	Clk JB	Clk JC	Clk JD	Clk JE	Clk JF	Clk JG	Clk JH	Clk JI	Clk JJ	Clk JK	Clk JL	Clk JM	Clk JN	Clk JO	Clk JP	Clk JQ	Clk JR	Clk JS	Clk JT	Clk JU	Clk JV	Clk JW	Clk JX	Clk JY	Clk JZ	Clk KA	Clk KB	Clk KC	Clk KD	Clk KE	Clk KF	Clk KG	Clk KH	Clk KI	Clk KJ	Clk KK	Clk KL	Clk KM	Clk KN	Clk KO	Clk KP	Clk KQ	Clk KR	Clk KS	Clk KT	Clk KU	Clk KV	Clk KW	Clk KX	Clk KY	Clk KZ	Clk LA	Clk LB	Clk LC	Clk LD	Clk LE	Clk LF	Clk LG	Clk LH	Clk LI	Clk LJ	Clk LK	Clk LL	Clk LM	Clk LN	Clk LO	Clk LP	Clk LQ	Clk LR	Clk LS	Clk LT	Clk LU	Clk LV	Clk LW	Clk LX	Clk LY	Clk LZ	Clk MA	Clk MB	Clk MC	Clk MD	Clk ME	Clk MF	Clk MG	Clk MH	Clk MI	Clk MJ	Clk MK	Clk ML	Clk MM	Clk MN	Clk MO	Clk MP	Clk MQ	Clk MR	Clk MS	Clk MT	Clk MU	Clk MV	Clk MW	Clk MX	Clk MY	Clk MZ	Clk NA	Clk NB	Clk NC	Clk ND	Clk NE	Clk NF	Clk NG	Clk NH	Clk NI	Clk NJ	Clk NK	Clk NL	Clk NM	Clk NN	Clk NO	Clk NP	Clk NQ	Clk NR	Clk NS	Clk NT	Clk NU	Clk NV	Clk NW	Clk NX	Clk NY	Clk NZ	Clk OA	Clk OB	Clk OC	Clk OD	Clk OE	Clk OF	Clk OG	Clk OH	Clk OI	Clk OJ	Clk OK	Clk OL	Clk OM	Clk ON	Clk OO	Clk OP	Clk OQ	Clk OR	Clk OS	Clk OT	Clk OU	Clk OV	Clk OW	Clk OX	Clk OY	Clk OZ	Clk PA	Clk PB	Clk PC	Clk PD	Clk PE	Clk PF	Clk PG	Clk PH	Clk PI	Clk PJ	Clk PK	Clk PL	Clk PM	Clk PN	Clk PO	Clk PP	Clk PQ	Clk PR	Clk PS	Clk PT	Clk PU	Clk PV	Clk PW	Clk PX	Clk PY	Clk PZ	Clk QA	Clk QB	Clk QC	Clk QD	Clk QE	Clk QF	Clk QG	Clk QH	Clk QI	Clk QJ	Clk QK	Clk QL	Clk QM	Clk QN	Clk QO	Clk QP	Clk QQ	Clk QR	Clk QS	Clk QT	Clk QU	Clk QV	Clk QW	Clk QX	Clk QY	Clk QZ	Clk RA	Clk RB	Clk RC	Clk RD	Clk RE	Clk RF	Clk RG	Clk RH	Clk RI	Clk RJ	Clk RK	Clk RL	Clk RM	Clk RN	Clk RO	Clk RP	Clk RQ	Clk RR	Clk RS	Clk RT	Clk RU	Clk RV	Clk RW	Clk RX	Clk RY	Clk RZ	Clk SA	Clk SB	Clk SC	Clk SD	Clk SE	Clk SF	Clk SG	Clk SH	Clk SI	Clk SJ	Clk SK	Clk SL	Clk SM	Clk SN	Clk SO	Clk SP	Clk SQ	Clk SR	Clk SS	Clk ST	Clk SU	Clk SV	Clk SW	Clk SX	Clk SY	Clk SZ	Clk TA	Clk TB	Clk TC	Clk TD	Clk TE	Clk TF	Clk TG	Clk TH	Clk TI	Clk TJ	Clk TK	Clk TL	Clk TM	Clk TN	Clk TO	Clk TP	Clk TQ	Clk TR	Clk TS	Clk TT	Clk TU	Clk TV	Clk TW	Clk TX	Clk TY	Clk TZ	Clk UA	Clk UB	Clk UC	Clk UD	Clk UE	Clk UF	Clk UG	Clk UH	Clk UI	Clk UJ	Clk UK	Clk UL	Clk UM	Clk UN	Clk UO	Clk UP	Clk UQ	Clk UR	Clk US	Clk UT	Clk UU	Clk UV	Clk UW	Clk UX	Clk UY	Clk UZ	Clk VA	Clk VB	Clk VC	Clk VD	Clk VE	Clk VF	Clk VG	Clk VH	Clk VI	Clk VJ	Clk VK	Clk VL	Clk VM	Clk VN	Clk VO	Clk VP	Clk VQ	Clk VR	Clk VS	Clk VT	Clk VU	Clk VV	Clk VW	Clk VX	Clk VY	Clk VZ	Clk WA	Clk WB	Clk WC	Clk WD	Clk WE	Clk WF	Clk WG	Clk WH	Clk WI	Clk WJ	Clk WK	Clk WL	Clk WM	Clk WN	Clk WO	Clk WP	Clk WQ	Clk WR	Clk WS	Clk WT	Clk WU	Clk WV	Clk WW	Clk WX	Clk WY	Clk WZ	Clk XA	Clk XB	Clk XC	Clk XD	Clk XE	Clk XF	Clk XG	Clk XH	Clk XI	Clk XJ	Clk XK	Clk XL	Clk XM	Clk XN	Clk XO	Clk XP	Clk XQ	Clk XR	Clk XS	Clk XT	Clk XU	Clk XV	Clk XW	Clk XX	Clk XY	Clk XZ	Clk YA	Clk YB	Clk YC	Clk YD	Clk YE	Clk YF	Clk YG	Clk YH	Clk YI	Clk YJ	Clk YK	Clk YL	Clk YM	Clk YN	Clk YO	Clk YP	Clk YQ	Clk YR	Clk YS	Clk YT	Clk YU	Clk YV	Clk YW	Clk YX	Clk YY	Clk YZ	Clk ZA	Clk ZB	Clk ZC	Clk ZD	Clk ZE	Clk ZF	Clk ZG	Clk ZH	Clk ZI	Clk ZJ	Clk ZK	Clk ZL	Clk ZM	Clk ZN	Clk ZO	Clk ZP	Clk ZQ	Clk ZR	Clk ZS	Clk ZT	Clk ZU	Clk ZV	Clk ZW	Clk ZX	Clk ZY	Clk ZZ
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References / Links

– For Guarantee see www.ledvance.com/guarantee

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