

**APPLICATION**

DTS115 COMBILINE DTS115 COMBILINE is a modular continuous-row lighting system designed for warehouses, production facilities, retail areas and other large commercial or industrial spaces. The system combines high luminous efficacy with flexible configuration, allowing luminaires with different light distributions, power levels and control options to be installed within the same lighting line. A wide selection of LEDIL optics enables precise adaptation to the application—from narrow-beam illumination for high-bay warehouses to wide and asymmetrical distributions for production areas, aisles and retail spaces. Microprismatic and low-glare optics are available for applications requiring enhanced visual comfort. The modular construction simplifies installation, maintenance and future reconfiguration of the lighting system. Individual luminaires can be repositioned or replaced without rebuilding the complete line. DTS115 can also be supplied as a standalone IP65 luminaire for dusty or demanding environments. The system is manufactured in Europe using high-quality BJB connectors, efficient LED modules and reliable Philips or TCI drivers. DALI control, emergency lighting and sensor-based control are available as options. Different colour temperatures, CRI levels and lumen packages make DTS115 COMBILINE a versatile solution for both new projects and lighting renovations.

12500 lm SYSTEM FLUX	83 W INPUT POWER	151 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP40 INGRESS	IK05 IMPACT	100 000 h L90B10
--------------------------------	----------------------------	-----------------------------	----------------------	-------------------	------------------------	-----------------------	----------------------------

ELECTRICAL PARAMETERS

Nominal supply voltage	230 (220–240) V AC	Supply voltage range	220–240 V AC
Type of supply current	AC	Supply frequency	50 / 60 Hz
Rated input power	83W	Power factor (PF)	0.95
Driver efficiency at nominal load	0.92	Total harmonic distortion (THDi)	<10%
Protection class (electric shock)	I	Driver type	Integrated driver
Number of luminaires on MCB 16A type B	22		

PHOTOMETRIC PARAMETERS

Luminous flux — system	12500lm	Luminous flux — LED module	13889lm
Luminous efficacy — system	151lm/W	Correlated colour temperature (CCT)	4000 K
Colour rendering index Ra (CRI)	≥80	Init. CRI tolerance	±3
Light distribution type	Symmetric	Luminaire beam spread	FWHM 62°, FWTM 92°
Optic type	PMMA LEDIL 2-row lens	Light output ratio (LOR)	0.88–0.92
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤0.1 / ≤0.2
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	0
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Trunking luminaire	Light source type	LED
Light source replaceable	Yes	Cap / base type	Integrated
Housing material	Aluminium profile	Reflector material	N/A
Housing coating	Powder coating	Optic material	PMMA
Optical cover material	N/A	Housing colour (RAL)	White RAL 9010
Mounting type	Surface, suspended	Cutout size	N/A
Overall dimensions (H × W × L)	Length 1400 mm	Weight (net)	4.1 kg
Effective projected area	N/A	Windage projection area (side / below)	N/A
Number of light sources	2 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP40	Impact resistance class IK	IK05
Operating temperature range	-20 ... +50 °C	Storage temperature range	-40...+65 °C
Glow-wire test	650 °C / 5 s	Relative humidity (max)	N/A

CONTROL & DIMMING

Dimmable	Yes	Control protocol / interface	DALI-2 / D4i
Dimming range	1–100 %	Auto-dimming (chronoSTEP)	No
Built-in motion / presence sensor	No	Built-in daylight sensor	No
LED lumen maintenance compensation (CLO)	No	ZHAGA / NEMA socket compatibility	Sensor-ready D4i

RELIABILITY & LIFETIME

Constant Light Output (CLO)	No	Light source lifetime	100000 @ L90 B10 h
Lumen maintenance @ 50 000 h	Not determined	Lumen maintenance @ 100 000 h	L90 B10
Control gear failure rate @ 50 000 h	5 %	Control gear failure rate @ 100 000 h	<10 %

CERTIFICATIONS

Warranty period	5 years	Maintenance access	Opening with screw; LED modules replaceable by manufacturer only	
CE marking	Yes	ENEC mark		No
ENEC+ mark	No	UKCA marking		Yes
D4i certified (DALI)	Yes	EU RoHS compliant		Yes
Light source energy efficiency class	Not determined			

STANDARDS & SUSTAINABILITY

Applicable standard	EN-IEC 62722-2-1	ETIM Class	Not determined
Recyclable content ratio	Not determined	Non-virgin material ratio	Not determined
Sustainability rating	Not determined	EAN / UPC	Not determined
Application areas	Offices, schools, warehouses, public spaces, retail, hotels, residences and industrial facilities		

Environmental data. Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

Documents. Photometric files (IES / LDT) and installation instructions are available at takton.ee.