DTP107 · ACCENTLIGHTING

DTP107 2850lm 23W 935 B36DGR BK

Symmetric · 3500 K · IP20 · IK02 · Black



APPLICATION

Clearspot DTP107 is a high-performance track-mounted spotlight developed for projects requiring excellent efficiency, precise light distribution and high visual comfort. The luminaire combines a Philips COB LED module with advanced LEDIL optics, delivering up to 4,480 lumens and efficacy up to 165 lm/W while maintaining CRI above 90. Beam angles from 15° to 60° provide flexibility for accent, display and general lighting. The spotlight can be tilted through 90° and rotated through 355°, allowing precise positioning of the light. DALI, Touch and Dim and Casambi-compatible versions are available for integration into modern lighting control systems. Clearspot DTP107 is ideal for retail stores, showrooms, offices, hospitality areas and other premium commercial interiors.

2850 lm	23 W	124 lm/W	3500 K	≥90	IP20	IK02	50 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	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	**23W**	Power factor (PF)	**0.95**
Total harmonic distortion (THDi)	**<10%**	Protection class (electric shock)	**II**
Driver type	**Track adaptor driver**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**2850lm**	Luminous efficacy — system	**124lm/W**
Correlated colour temperature (CCT)	**3500 K**	Colour rendering index Ra (CRI)	**≥90**
Init. CRI tolerance	**±3**	Light distribution type	**Symmetric**
Luminaire beam spread	**36°**	Optic type	**PMMA lens**
Photobiological safety class	**RG1**	Colour consistency (SDCM)	**< 3 MacAdam steps**
Upward light output ratio (ULOR)	**0**	Luminous flux tolerance	**±5 %**

CONSTRUCTION & MATERIALS

Luminaire type	**Track-mounted spotlight**	Light source type	**LED**
Light source replaceable	**Yes**	Cap / base type	**Integrated**
Housing material	**Aluminium**	Housing coating	**Powder-coated**
Optic material	**PMMA**	Optical cover material	**PMMA**
Housing colour (RAL)	**Black**	Mounting type	**Track-mounted**
Number of light sources	**1**	Number of gear units	**1 pcs**

PROTECTION & ENVIRONMENT

IP rating — enclosure	**IP20**	Impact resistance class IK	**IK02**
Operating temperature range	**0...+35 °C**	Storage temperature range	**-40...+65 °C**
Glow-wire test	**650 °C / 5 s**	Relative humidity (max)	**N/A**

CONTROL & DIMMING

Dimmable	**No**	Control protocol / interface	**On/off**
Dimming range	**N/A**	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	**No**

RELIABILITY & LIFETIME

Constant Light Output (CLO)	**No**	Light source lifetime	**50000 @ L80 B50 h**
Lumen maintenance @ 50 000 h	**L80 B50**	Control gear failure rate @ 50 000 h	**5 %**

CERTIFICATIONS

Warranty period	**5 years**	CE marking	**Yes**
ENEC mark	**No**	ENEC+ mark	**No**
UKCA marking	**Yes**	D4i certified (DALI)	**No**
EU RoHS compliant	**Yes**	Light source energy efficiency class	**D**

STANDARDS & SUSTAINABILITY

Applicable standard	**EN-IEC 60598-2-1**	ETIM Class	**Not determined**
D-Mark (EN 60598-2-24)	**Not determined**	Non-virgin material ratio	**Not determined**
Sustainability rating	**Not determined**	EAN / UPC	**Not determined**
Application areas	**Shops, showrooms, meeting rooms, circulation areas and hospitality**		

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.