DTP104 · ACCENTLIGHTING

DTP104 3450lm 27W 940 60DG BK DALI

Symmetric · 4000 K · IP20 · IK02 · Black



APPLICATION

Optispot M DTP104 is a professional track-mounted LED spotlight combining compact dimensions with high light output and excellent visual quality. With CRI above 90 and efficacy up to 130 lm/W, it provides accurate colour reproduction while maintaining low energy consumption. Interchangeable optical options with 15°, 36° and 60° beam angles allow the luminaire to be used for focused accents, product displays or wider general illumination. The adjustable die-cast aluminium body is available in black or white and incorporates the driver directly into the track adaptor. DTP104 is an efficient and flexible solution for shops, showrooms, galleries, hospitality areas and modern commercial interiors.

3450 lm	27 W	128 lm/W	4000 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	**27W**	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	**3450lm**	Luminous efficacy — system	**128lm/W**
Correlated colour temperature (CCT)	**4000 K**	Colour rendering index Ra (CRI)	**≥90**
Init. CRI tolerance	**±3**	Light distribution type	**Symmetric**
Luminaire beam spread	**60°**	Optic type	**PC / aluminium-coated optic**
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	**Polycarbonate / aluminium**	Optical cover material	**Polycarbonate / aluminium**
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	**Yes**	Control protocol / interface	**DALI**
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	**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.