

General information / Informații generale / Informazioni generali

Code	Finishing	Power	Input voltage	Output current / voltage	LED flux	System flux	CCT	Weight
TL02WW MWH	MWH	10W	220-240V AC	130 mA/62-80V DC	1272 lm	884 lm	3000K	0,45 kg
TL02WW MBK	MBK	10W	220-240V AC	130 mA/62-80V DC	1272 lm	884 lm	3000K	0,45 kg
TL02WW MGD	MGD	10W	220-240V AC	130 mA/62-80V DC	1272 lm	884 lm	3000K	0,45 kg
TL02NW MWH	MWH	10W	220-240V AC	130 mA/62-80V DC	1332 lm	954 lm	4000K	0,45 kg
TL02NW MBK	MBK	10W	220-240V AC	130 mA/62-80V DC	1332 lm	954 lm	4000K	0,45 kg
TL02NW MGD	MGD	10W	220-240V AC	130 mA/62-80V DC	1332 lm	954 lm	4000K	0,45 kg
TL03WW MWH	MWH	20W	220-240V AC	140 mA/62-80V DC	2184 lm	1612 lm	3000K	0,73 kg
TL03WW MBK	MBK	20W	220-240V AC	140 mA/62-80V DC	2184 lm	1612 lm	3000K	0,73 kg
TL03WW MGD	MGD	20W	220-240V AC	140 mA/62-80V DC	2184 lm	1612 lm	3000K	0,73 kg
TL03NW MWH	MWH	20W	220-240V AC	140 mA/62-80V DC	2296 lm	1723 lm	4000K	0,73 kg
TL03NW MBK	MBK	20W	220-240V AC	140 mA/62-80V DC	2296 lm	1723 lm	4000K	0,73 kg
TL03NW MGD	MGD	20W	220-240V AC	140 mA/62-80V DC	2296 lm	1723 lm	4000K	0,73 kg
TL04WW MWH	MWH	30W	220-240V AC	210 mA/93-120V DC	3276 lm	2441 lm	3000K	1,07 kg
TL04WW MBK	MBK	30W	220-240V AC	210 mA/93-120V DC	3276 lm	2441 lm	3000K	1,07 kg
TL04WW MGD	MGD	30W	220-240V AC	210 mA/93-120V DC	3276 lm	2441 lm	3000K	1,07 kg
TL04NW MWH	MWH	30W	220-240V AC	210 mA/93-120V DC	3318 lm	2583 lm	4000K	1,07 kg
TL04NW MBK	MBK	30W	220-240V AC	210 mA/93-120V DC	3318 lm	2583 lm	4000K	1,07 kg
TL04NW MGD	MGD	30W	220-240V AC	210 mA/93-120V DC	3318 lm	2583 lm	4000K	1,07 kg

LED type: SMD 2835 RUNLITE
Driver: Included
CRI: 80
Optics: 40°
Working ambient temperature: -20 ÷ +40 °C



EN

Series of adjustable projectors for interior, mounting on three circuits tracks, equipped with SMD LEDs.

Structure of polycarbonate with mat finishing.

The light fittings are equipped with optical system with reflector of high-gloss faceted polycarbonate and satin cover on the plate of LEDs.

Constant current driver included. Equipped with three circuit track connector, 250V, 16A, or can be mounted directly to the ceiling using TKN1016 ceiling plate.

Range of applications

Used for lighting works of art in exhibitions or art galleries, lighting for showrooms, stores and other commercial spaces.

RO

Serie de proiectoare orientabile de interior, pentru şine cu trei circuite, echipate cu LED-uri SMD.

Structură din policarbonat cu finisaj mat.

Copurile de iluminat sunt prevăzute cu sistem optic cu reflector din policarbonat oglindat și fățetat și capac satinat pentru placă cu LED-urile.

Alimentator în curent constant inclus. Sunt prevăzute cu adaptor pentru şină cu trei circuite, 250V, 16A, sau se pot monta direct pe tavan cu ajutorul plăcii de bază TKN1016.

Aplicații

Sunt folosite pentru iluminatul operelor de artă în expoziții sau galerii de artă, iluminatul în spații de expunere, magazine și alte spații comerciale.

IT

Serie di proiettori orientabili da interni, per binari a tre circuiti, equipaggiati con LED SMD.

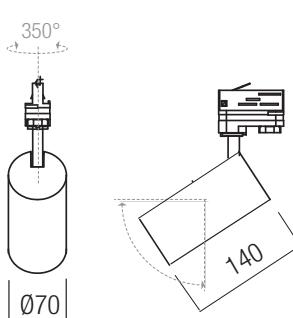
Struttura in policarbonato con finitura opaca.

Gli apparecchi sono consegnati completi di sistema ottico in policarbonato argentato e sfaccettato e coperchio satinato per scheda LED.

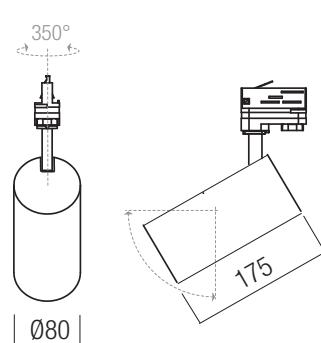
Alimentatore in corrente costante incluso. Forniti con adattore per binario a tre circuiti, 250V, 16A, o possono essere montati a soffitto tramite accessorio TKN1016.

Campi di applicazione

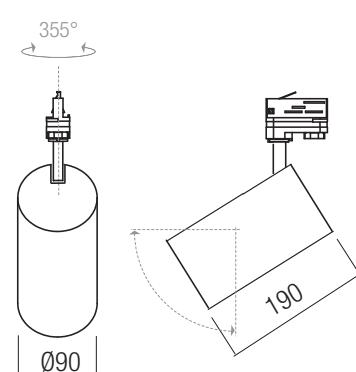
Utilizzati per l'illuminazione di opere d'arte, esposizioni, illuminazione di sale espositive, negozi e altri spazi commerciali.



TL02



TL03

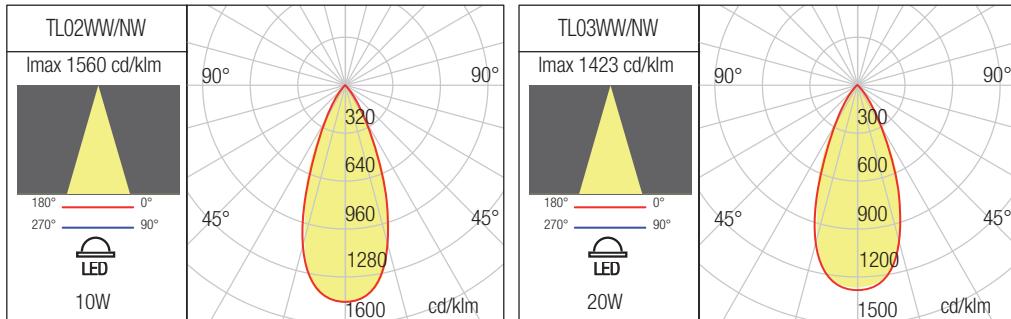


TL04

ErP and ecodesign data / Date ErP și ecodesig / Dati Erp ed ecodesign

	TL02WW	TL02NW	TL03WW	TL03NW	TL04WW	TL04NW	CE
Lighting technology used:	LED	LED	LED	LED	LED	LED	
Directional or non-directional:	DLS	DLS	DLS	DLS	DLS	DLS	
Mains or non-mains:	NMLS	NMLS	NMLS	NMLS	NMLS	NMLS	
CLS:	No	No	No	No	No	No	
Color tunable light source:	No	No	No	No	No	No	
Anti-glare shield:	No	No	No	No	No	No	
Dimmable:	No	No	No	No	No	No	
Energy consumption (kWh/1000h):	10 kWh/1000h	10 kWh/1000h	20 kWh/1000h	10 kWh/1000h	30 kWh/1000h	30 kWh/1000h	
Energy efficiency class:	E	E	F	F	F	F	
Useful luminous flux (ϕ_{use}) (lm):	980 lm	1060 lm	1830 lm	1987 lm	2695 lm	2802 lm	
Correlated color temperature (K):	3000K	4000K	3000K	4000K	3000K	4000K	
On-mode power (Pon) (W):	9,64W	9,62W	20W	19,84W	28,25W	30W	
Standby power (Psb):	≤ 0.5						
Networked standby power (Pnet) (W):	-	-	-	-	-	-	
Outer dimensions (HxWxL, HxD) (mm):	70x140 (mm)	70x140 (mm)	80x185 (mm)	80x185 (mm)	90x210 (mm)	90x210 (mm)	
CRI:	80	80	80	80	80	80	
Chromaticity coordinates (x and y):	x=0.4400; y=0.4030	x=0.3800; y=0.3800	x=0.4400; y=0.4030	x=0.3800; y=0.3800	x=0.4400; y=0.4030	x=0.3800; y=0.3800	
Peak luminous intensity (cd):	1794	2114	3112	3332	4200	4656	
Beam angle in degrees:	40°	40°	40°	40°	40°	40°	
R9 color rendering index:	10	10	10	10	10	10	
Survival factor:	90%	90%	90%	90%	90%	90%	
Lumen maintenance factor:	96%	96%	96%	96%	96%	96%	
Displacement factor ($\cos\phi_1$):	-	-	-	-	-	-	
McAdam ellipses:	6	6	6	6	6	6	
Flicker metric (Pst LM):	≤ 1						
Stroboscopic effect metric (SVM):	≤ 0.4						
Ponmax:	12,77W	13,68W	22,36W	24,13W	32,11W	33,32W	

FOTOMETRIE / PHOTOMETRY / FOTOMETRIA



STANDARDS
EN 60598-1:2015 + A1:2018,
EN 60598-2-1:2020,
EN 62493:2015,
EN 62471:2008,
EN 62031:2008 + A1:2013 + A2:2015,
EN 60529:1992 + A2:2013,
EN 55015:2019 + A11:2020,
EN 61000-3-2:2019,
EN 61000-3-3:2013 + A1:2019,
EN 61547:2009

