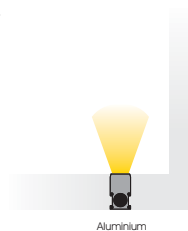


TERANO 40 is the new addition of Terano series. Crafted with top-quality PU (Polyurethane) materials, guaranteeing exceptional durability and weather resistant, and also seamlessly blends into every surrounding, adding a touch of modern elegance into any space.

- TERANO 40 offers excellent uniformity and color consistency.
- Antiglare control with honeycomb and microlouvre, optional for all models.
- Supplied with input cable & IP68 connector as standard.
- Possibility for in-out cables & connectors upon request (as extra) (25cm models available only with input cable connectors).
- Walk Over: Up to 500kg (5kN)
- Maximum Static Load: Up to 2000kg (20kN).
- Ingress Protection: IP68
- IK Rate: IK10
- Cost effective & Constant Power models at 24VDC
- High efficient models from 24VDC up to 48VDC

Constant Power for RGBW & TW models:

- Up to 400% more color intensity (per color) compared to conventional directional models.
- Lighting power remains constant regardless of the selected color combination.



L90/B10 > 50.000h

for Monochromatic models

L70/B10 > 50.000h

for RGBW models





Lighting management options:
On-Off/DALI/0..10V/1..10V/DMX512/PHASE CUT/IR/RF/PUSH BUTTON/Bluetooth

Technical features

Installation: In-ground
LED light source: Diffused lighting / Nichia LED.
Directional lighting / Samsung LED.
Optics: Monochrome: 18°, 25°, 45°, 15°x30°, 18°x40°
RGBW, TW: 12°, 30°, 15°x30°, 12°x45°
Lengths: 25cm, 50cm, 100cm, 150cm, 200cm
No of LEDs (25/50/100/150/200cm): 6/12/24/36/48
Power Supply: From 24VDC up to 48VDC (depending on the model)
Power: 25cm:10W, 50cm:20W, 100cm:40W, 150cm:60W, 200cm:80W
Ingress protection: IP68
Operation Ambient temperature: -25°C... +50°C

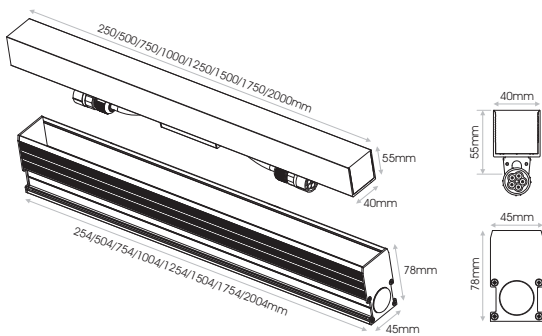
Materials

Main Body: Natural Anodized anti-corodal aluminium, EN AW-6060 T66
Finishes (End caps): Anodized anticorodal aluminium EN AW-5052.
Optics: PMMA collimating lens.
Connectors: PA66 NYLON
Printed Circuit: Insulated metal substrate PCB
Power Cords: Suitable for outdoor use, halogen-free good chemical resistance, cold resistant, UV-resistant, temperature range for fixed installation -50°C to +80°C.
Screws: Stainless Steel

PU (Polyurethane) material:

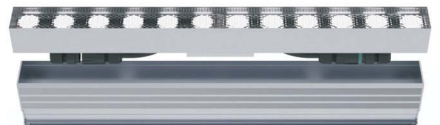
Tri- component polyurethane, transparent or translucent for homogeneous light dispersion.

Fully compliance with: REACH, RoHS and ELV European Directives. EC – Directives 89/109 Contact with Food.
Resistance to: Outdoor – Chemicals – Short term water immersion – Hot water. Thermal Shock – Heat - Abrasion
In accordance to: Florida test, Arizona test, Xenotest, QUV-A test. ACID Rain test ASTM G87. TABER test ASTM D1044. CROCKMETER test ASTM D6279



Aluminium Mounting Box

- ACR.129 25cm
- ACR.130 50cm
- ACR.131 75cm
- ACR.132 100cm
- ACR.133 125cm
- ACR.134 150cm
- ACR.135 175cm
- ACR.136 200cm



Diffused Models



Model	CCT	CRI	Led Source	Diffused Type	Watt / Length*	Voltage	Extras	
TERANO 40 IP68 Diffused <i>(TERANO 4068 DIFF)</i>				42W/m				
	2700K	80	(2780)	6130lm	Opal (OP)	10.5W / 25cm	24VDC (24)	None (0) Honeycomb (1) Microlouvre (2)
	3000K	80	(3080)	6320lm		21W / 50cm		
	4000K	80	(4080)	6500lm		42W / 100cm		
	5700K	80	(5780)	6690lm		63W / 150cm		
						84W / 200cm		
				40W/m				
				TUNABLE WHITE				
	TW	80	(TW80)	5160lm				
				40W/m				
		90	(TW90)	4480lm				
				39W/m				
				RGBW				
	RGBW (2700K)		(RGBW27)	1645lm				
			(RED)	242lm				
		(GREEN)	592lm					
		(BLUE)	172lm					
		(WHITE)	582lm					
RGBW (6000K)		(RGBW60)	1450lm					
		(RED)	168lm					
		(GREEN)	416lm					
		(BLUE)	132lm					
		(WHITE)	678lm					

* 25cm not available for RGBW models.

Ordering Code Example: TERANO 4068 DIFF-3080-OP-42W/100-24-1

Standard Directional Models



Model	CCT	CRI	Led Source	Beam Angle	Watt / Length	Voltage	Extras	
TERANO 40 IP68 Directional <i>(TERANO 4068 DR)</i>				40W/m				
	2700K	80	(2780)	3820lm	18° (18)	10W / 25cm	24VDC (24)	Honeycomb* (1) Microlouvre (2)
	2700K	90	(2790)	2970lm	25° (25)	20W / 50cm		
	3000K	80	(3080)	3820lm	45° (45)	40W / 100cm		
	3000K	90	(3090)	3250lm	15°x30° (1530)	60W / 150cm		
					18°x40° (1840)	80W / 200cm		
	4000K	80	(4080)	4100lm				
	4000K	90	(4090)	3820lm				
	5700K	80	(5780)	4385lm				
				40W/m				
				TUNABLE WHITE				
	TW	90	(TW90)	2735lm	12° (12)			
				40W/m				
				1325+1410lm	30° (30)			
					15°x30° (1530)			
				12°x45° (1245)				
			40W/m					
			RGBW					
RGBA (AMBER)		(RGBWA)	1835lm					
RGBW (3000K)		(RGBW30)	2125lm					
RGBW (4000K)		(RGBW40)	2230lm					
		(RED)	410lm					
		(GREEN)	770lm					
		(BLUE)	240lm					
		(AMBER)	415lm					
		(3000K)	705lm					
		(4000K)	810lm					

* Honeycomb not available with 18°, 25° & 12°(TW).

Ordering Code Example: TERANO 4068 DR-4090-45-40W/100-24-1



High Efficiency Directional Models

Model	CCT	CRI	Led Source	Beam Angle	Watt / Length	Voltage*	Extras	
TERANO 40 IP68 HE Directional Recessed <i>(TERANO 4068 HEDR)</i>	40W/m							
	2700K	80 (2780)	4765lm	18° (18)	10W / 25cm (10W025)	24~48VDC (2448V)	Honeycomb** (1)	
	2700K	90 (2790)	3710lm	25° (25)	20W / 50cm (20W050)		Microlouvre (2)	
	3000K	80 (3080)	4765lm	45° (45)	40W / 100cm (40W100)			
	3000K	90 (3090)	4060lm	15°x30° (1530)	60W / 150cm (60W150)			
	4000K	80 (4080)	5120lm	18°x40° (1840)	80W / 200cm (80W200)			
	4000K	90 (4090)	4765lm					
	5700K	80 (5780)	5470lm					
	TUNABLE WHITE							
	40W/m							
TW (2700K+5700K)	90 (TW90)	3430lm 1630+1800lm	12° (12) 30° (30) 15°x30° (1530) 12°x45° (1245)					
RGBW								
40W/m								
RGBA (AMBER)	(RGBWA)	2395lm						
RGBW (3000K)	(RGBW30)	2760lm						
RGBW (4000K)	(RGBW40)	2895lm						
(RED)		530lm						
(GREEN)		1010lm						
(BLUE)		320lm						
(AMBER)		535lm						
(3000K)		900lm						
(4000K)		1035lm						

* Input Voltage from 24VDC up to 48VDC
** Honeycomb not available with 18°, 25° & 12°(TW).

Ordering Code Example: TERANO 4068 HEDR-TW90-25-40W/100-2448V-1

High Efficiency Constant Power Operation Models

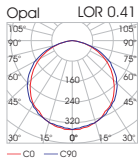
Model*	CCT	CRI	Led Source	Beam Angle	Watt / Length	Voltage	Extras	
TERANO 40 IP68 HE CP Directional <i>(TERANO 4068 HECPR)</i>	TUNABLE WHITE							
	40W/m							
	TW (2700K) (5700K)	90 (TW90)	3455lm 3165lm 3740lm	12° (12) 30° (30) 15°x30° (1530) 12°x45° (1245)	10W / 25cm (10W025) 20W / 50cm (20W050) 40W / 100cm (40W100) 60W / 150cm (60W150) 80W / 200cm (80W200)	24VDC (24V)	Honeycomb** (1)	
							Microlouvre (2)	
	RGBW							
	40W/m							
	RGBW (3000K)	(RGBW30)	2020lm					
	(RED)		1775lm					
	(GREEN)		2880lm					
	(BLUE)		910lm					
(WHITE)		2520lm						

*High Efficiency Constant Power models can only be driven with Electron constant power drivers.
** Honeycomb not available with 12°.

Ordering Code Example: TERANO 4068 HECPR-RGBW30-1250-60W/150-24V-1

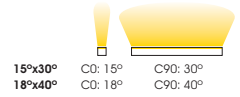
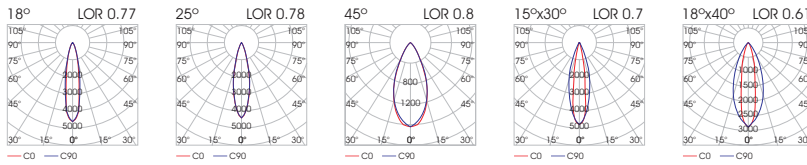
Monochromatic

Diffused Models



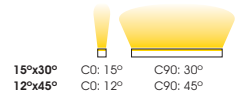
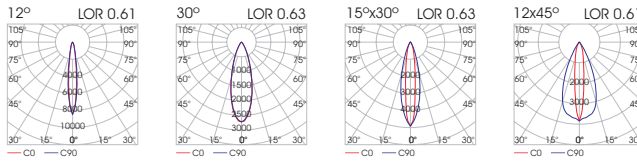
Monochromatic

Standard Directional Models
High Efficiency Directional Models

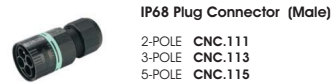
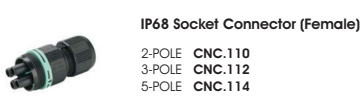


RGBW, TW

Standard Directional Models
High Efficiency Directional Models
High Efficiency Constant Power Operation Models



Accessories



Input & Output cables

