

RELINE DUOTEK >140<

FILAMENT-WHITE™ 2,700° CRI 90 + TriRGB RECESSED LINEAR LED FIXTURE

FEATURES

Filament-White 2700°K CRI 90 Ra + RGB TriColour LEDs
NICHIA, Japan LEDs
 Single bin colour consistency
 High colour rendering
 Aluminium construction
 Polycarbonate front optic
 PWM dimming compatible

SPECIFICATION

24 Volt CV SELV
 4 Channels (circuits)
 Common anode (+)
 7.1 mm LED-LED pitch
 14.3 mm W-W / Tri-Tri pitch
 140° beam angle
 IP44 ingress protection
 CRI Ra90 (Warm White)
 CRI Ra95 by colour mixing
 -20° ~+50°C ambient temp

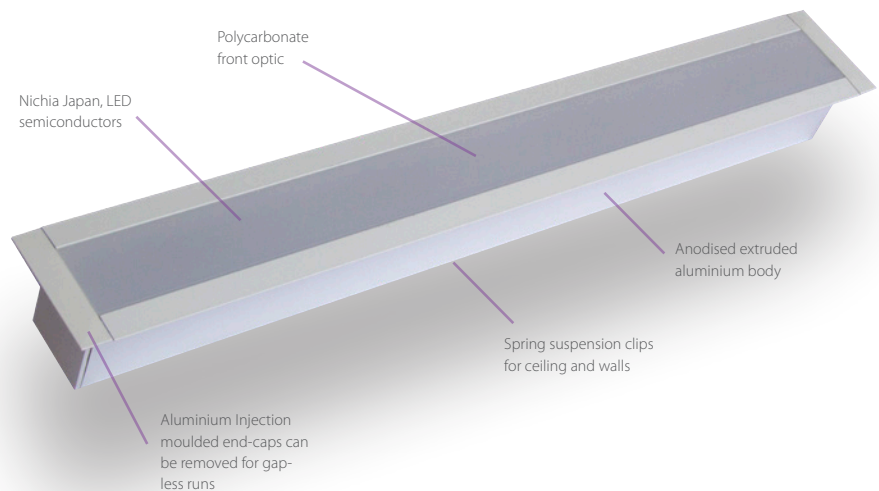
PER METER data

70 x Filament-White LEDs
 24 Watts (1.0A) - 2,520lm
 70 x TriRGB LEDs
 16 Watts (0.7A) - 450lm
 140 x LEDs TOTAL
 40 Watts (1.7A) - 2,970lm

PER MODULE data

100 mm PCB modules
 (10 modules per meter)
 7 x Filament-White LEDs
 2.4 Watts (100 mA) - 252lm
 7 x TriRGB LEDs
 1.6 Watts (67mA) - 45lm
 12 x LEDs TOTAL
 4.0 Watts (167mA) - 297lm

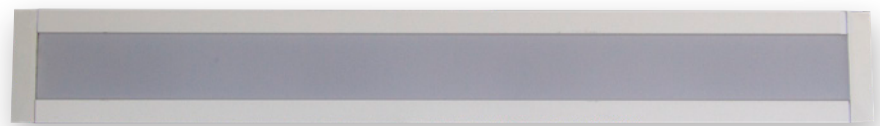
RELINE DUOTEK provides the perfect combination of Filament-White & TriRGB LED technologies packaged in a recessed luminaire.



RELINE DUOTEK >140< is powered by high-efficiency, high CRI of 90 Ra, Filament-White 2700° Kelvin LEDs carefully combined with TriRGB colour mixing LED devices to provide endless colour mixing capabilities and true warm filament type white from the same fixture. Combining Filament-White and TriRGB sources allows for creation of clean cool white with a very high CRI of 95 Ra.

RELINE DUOTEK >140< can be colour controlled and smoothly dimmed, using external low voltage dimmer drivers even at very low brightness levels.

RELINE DUOTEK >140< is available in lengths from 100 to 2000mm (pto) allowing for utilisation even on complex architectural features such as suspended ceilings, wall features.



RELINE DUOTEK >40<

FILAMENT-WHITE™ 2,700° CRI 90 + TriRGB LINEAR LED FIXTURE

POWER SUPPLY

RELINE 24V is a SELV product
Use only SELV (Safety Extra Low Voltage) regulated power supplies of 24 Volts DC maximum

Use PWM CV drivers with common anode (+) outputs
Make all connections before energising system

Ensure power supply voltage, LED driver and LED fixture voltage are compatible

Link up to 5A (124 W) of fixtures maximum (~3m)

Keep cable runs to <15m to reduce voltage drop
(Y split and feeding from both end is allowable)

ENVIRONMENT

RELINE is operates at ambient temperatures of -20° ~ +50° Centigrade

MAINTENANCE

Schedule regular inspection and service, refer to our warranty document for additional information

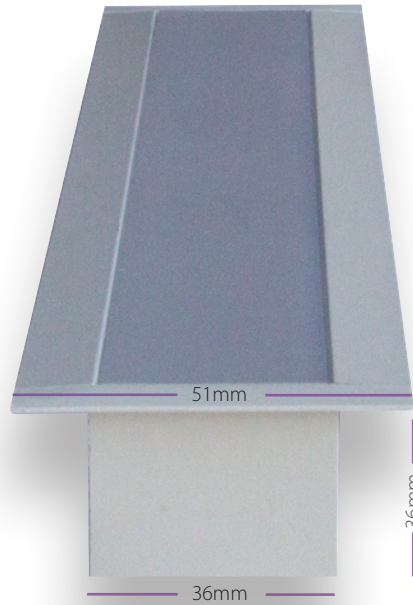
WARRANTY

5 Years, back to base

LED LIFE

Up-to 25,000 hours at high power, 100,000 hours in dynamic use.

CODE: RLDT140-LENGTH



RELINE DuoTek Cable Colour Code		
FUNCTION	Cable Colour	Polarity
COMMON +	Yellow	+
Red -	Brown	-
Green -	Green	-
Blue -	Grey	-
White	White	-
Ensure correct polarity before energising		

MODEL	LENGTH* mm	LEDs White	LEDs RGB	LEDs Total	Power (W) total	Flux (lm)	Current (A)	Weight (kg)
RLDT140-100	120	7	7	14	4	300	0.17	0.13
RLDT140-200	220	14	14	28	8	600	0.33	0.25
RLDT140-300	320	21	21	42	12	900	0.50	0.38
RLDT140-400	420	28	28	56	16	1,200	0.67	0.50
RLDT140-500	520	35	35	70	20	1,500	0.84	0.63
RLDT140-600	620	42	42	84	24	1,800	1.00	0.75
RLDT140-700	720	49	49	98	28	2,100	1.17	0.88
RLDT140-800	820	56	56	112	32	2,400	1.33	1.00
RLDT140-900	920	63	63	126	36	2,700	1.49	1.13
RLDT140-1000	1020	70	70	140	40	3,000	1.67	1.25
RLDT140-1100	1120	77	77	154	44	3,300	1.84	1.38
RLDT140-1200	1220	84	84	168	48	3,600	2.00	1.50
RLDT140-1300	1320	91	91	182	52	3,900	2.17	1.63
RLDT140-1400	1420	98	98	196	56	4,200	2.34	1.75
RLDT140-1500	1520	105	105	210	60	4,500	2.51	1.88
RLDT140-1600	1620	112	112	224	64	4,800	2.68	2.00
RLDT140-1700	1720	119	119	238	68	5,100	3.85	2.13
RLDT140-1800	1820	126	126	252	72	5,400	3.02	2.25
RLDT140-1900	1920	133	133	266	76	5,700	3.19	2.38
RLDT140-2000	2020	140	140	280	80	6,000	3.36	2.50
*Including 30mm for end caps								