



LiNi-R 207

Specification sheet

KKDC



24V DC

10.95
W/m

3.34
W/ft

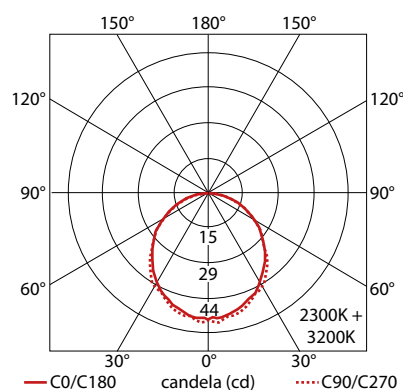
25.7
lm/W

IP40



PRODUCT SPECIFICATION

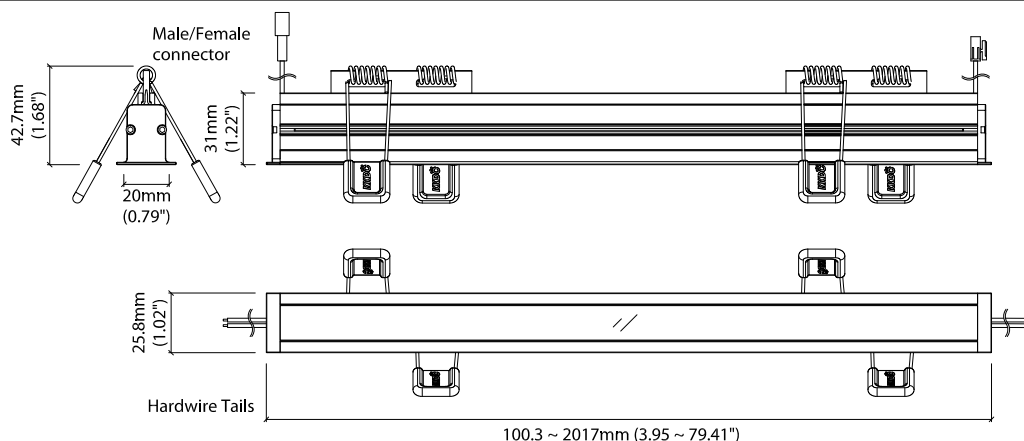
Dimension	H42.7/W25.8/L100.3-2017mm (H1.68/W1.02/L3.95-79.41in) (including spring clips)
PCB increment	83.3mm increment/2000mm max (3.28in increment/78.74in max)
LED pitch	13.9mm - 144LED/m (0.55in - 43.9LED/ft) between same coloured LEDs
Chip	Toyoda Gosei
Beam angle	Diffused
Colours	White: 2100K/2300K/2500K/2700K/3000K/3200K/3500K/3800K/5000K
Bin/Step	s-line 2 Step MacAdam ellipse (For each colour option)
CRI	≥ 90
Lifetime	50,000 hours @ 25°C (50,000 hours @ 77°F)
Operating temp	T _a = -25 to 60°C (T _c max = 69.1°C) T _a = -13 to 140°F (T _c max = 156.4°F)
IP rating	IP40
Finish	Silver anodised
Cover/lens	Diffused
Mounting	Recessed mounting via spring clip
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI (see visDIM range)



PERFORMANCE DATA for 2300K + 3000K

Power consumption	10.95W/m (3.34W/ft)
Supply voltage	24V DC
Supply current	0.46A/m (0.14A/ft)
Luminous flux	281lm/m (86lm/ft)

TECHNICAL DRAWING



Data derived from independent UKAS / IESNA LM-79-08 accredited testing of production samples.

See KKDC website for product document updates.

www.kkdc.lighting

LiNiR207S-01EN-20170718



LiNi-R 207

Photometric Test Report



PRODUCT DETAILS

Product name :	LiNi-R 207
Stated output :	286lm per metre
Description :	Linear recessed LED, 3200K, 24V, 10.95W/m
Quantity/length of product tested :	1 x 100.3mm
Bin tolerance/#. MacAdams ellipse of chip :	2 Step MacAdams ellipse (+/- 96K)

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC) :	24.01
Input power (W DC) :	0.92
Input Current (mA DC) :	39

LIGHT OUTPUT

Total light output (Lumens) :	24
Luminaire efficacy (lm/W) :	26.11
Beam angle :	107°

COLOUR CHARACTERISTICS

Correlated colour temperature (CCT) :	2534K
Colour rendering index (CRI Ra) :	91
Chromaticity coordinates (CIE 1931 - x,y) :	0.4686, 0.4045

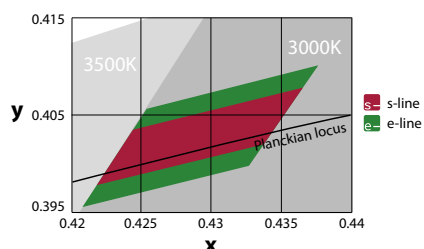
TEST DETAILS

Test Standards :	Data from independent UKAS accredited IESNA LM-79-08 testing of production samples.
Number of hours operated prior to test measurement :	24
Stabilisation time (minutes) :	45
Test orientation :	Base Down
Ambient test temperature :	25.1°C
Data measured at luminaire :	V,W,mA,lm/W

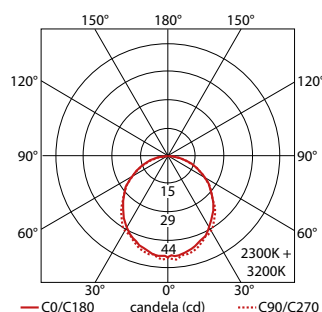
COLOUR RENDERING INDEX (CRI)

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
93.1	96.7	96.8	91.5	92.1	95.5	88.8	76.8	50.8	89.4	92.0	79.3	94.6	96.9

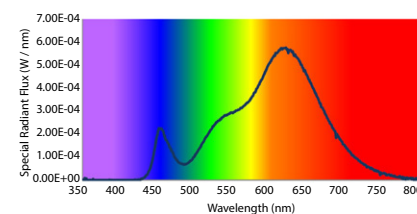
KKDC BIN DETAILS (CIE 1931)



POLAR CURVE



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



TEST SPECIFICATIONS

Test Lab :	LUX-TSI Ltd, Pencoed Technology Park, CF35 5HZ, UK
Test equipment :	40-inch (1metre) Integrating Sphere Spectroradiometer System. Fluke 289 True RMS Multimeter. Yokogawa TY720 Digital Multimeter.
Measurement uncertainty :	Total Luminous Flux +/-5.6%, CCT +/-100K, CRI +/-2

