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OTAO LINEAR 1.2 REF BLK 830/840 MP BK
0040823

Features

• Linear LED Luminaire, RAL9011 (black) finishing, direct distribution, standard surface mounted version complete with end caps and surface brackets, additional mounting options with accessories, 50mm wide extruded aluminium profile, lenses combined with black painted reflector, ideal for offices, meeting rooms, corridors, education facilities, museums and libraries, power and CCT switch options at the back of the luminaire, colour temperature: 3000K/4000K CCT options, CRi (Ra) >80 typical, LED chromacity: 3 step MacAdam ellipse (SDCM3), non-dimmable driver, 4-steps combined dip-switch for direct and D/I light distribution, 2-steps power dip swicth in direct mode (22-24W), max system power: 24W, max fixture output: 3350lm @ 4000K CCT, efficacy at max output 140lm/W, additional 2-steps power dip switch when indirect module added (34-36W), max system power in D/I combination: 36W, max fixture output: 4900lm @ 4000K CCT, efficacy at max output 136lm/W, electrical protection: Class I, IP20 ingress protection, IK03 impact resistance level, suitable for indoor environment only, lifespan: 100,000 hours L80B50, operating voltage: 220-240V / 50-60Hz, nominal size: 1147x50x73mm, shiped with through wiring.

Product Overview

Product name	OTAO LINEAR 1.2 REF BLK 830/840 MP BK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended, Wall surface mounted
General application	Office, Education

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ETIM Class	EC002892
E-number FI	4170659
Fixture luminous flux (lm)	3350
Luminaire efficacy (lm/W)	140
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	80
Glare control	< 19
Photobiological Risk Group	RG1
Total power consumption (W)	24
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Housing colour	RAL9011
IP rating	IP20
IK rating	IK03
Product EAN number	5410288408231
Warranty	5 years
Dimming method	N/A

Photometry

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Distance [m]	Cone diameter [m]		Illuminance [lx]		
0.5	0.83	0.72	E(0°) E(C90) 39.6° E(C0) 35.7°		10796 2465 2917
1.0	1.65	1.44	E(0°) E(C90) 39.6° E(C0) 35.7°		2699 616 729
1.5	2.48	2.16	E(0°) E(C90) 39.6° E(C0) 35.7°		1199 274 324
2.0	3.31	2.87	E(0°) E(C90) 39.6° E(C0) 35.7°		675 154 182
2.5	4.14	3.59	E(0°) E(C90) 39.6° E(C0) 35.7°		432 99 117
3.0	4.96	4.31	E(0°) E(C90) 39.6° E(C0) 35.7°		300 68 81

Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0 - C180 (Half beam angle: 71.4°)
— C90 - C270 (Half beam angle: 79.2°)
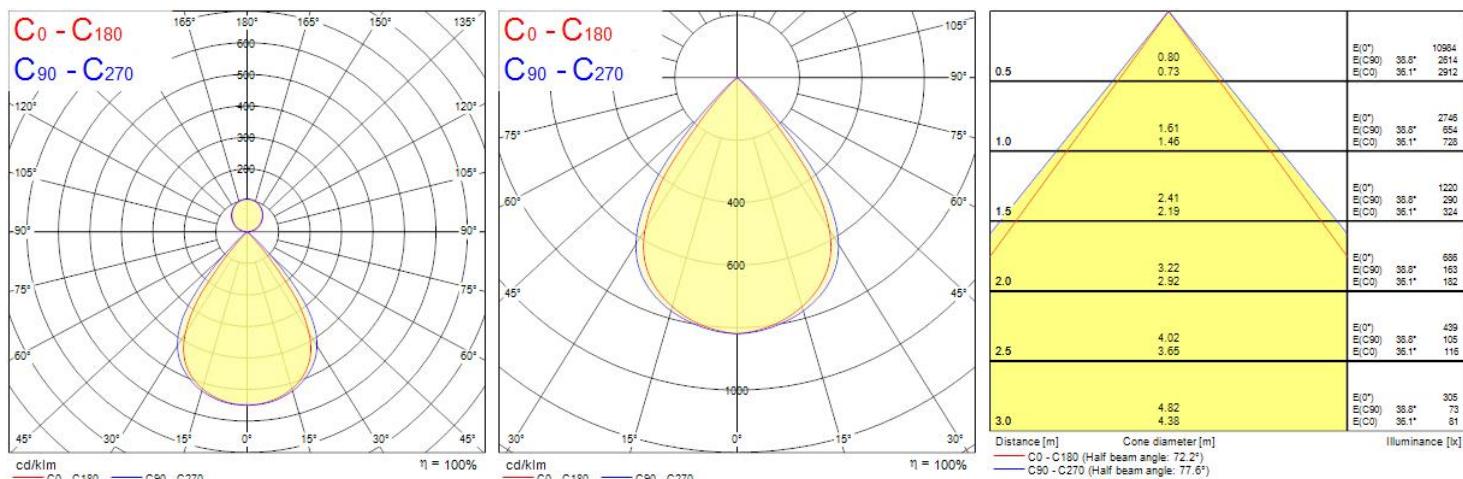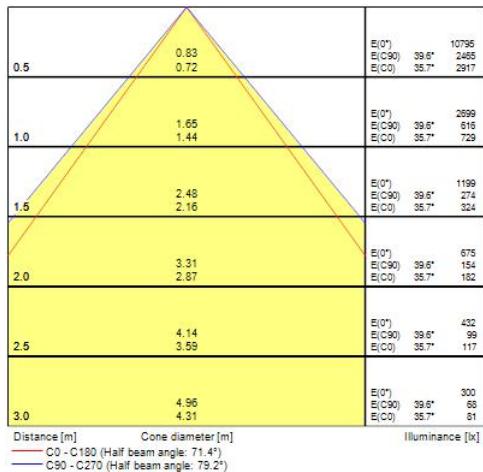
Technical drawings

1147

50

73
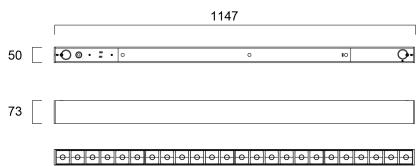
Data table

GENERAL DATA

Product name	OTAO LINEAR 1.2 REF BLK 830/840 MP BK
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended, Wall surface mounted
General application	Office, Education
Operating temperature range (°C)	5°C...+50°C
ETIM Class	EC002892
E-number FI	4170659

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Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	3350
Luminaire efficacy (lm/W)	140
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	80
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG1
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	24
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	15.0
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	600
Inrush Current (A)	7.2
Inrush Duration (µs)	190
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
Max. products per 10A C Breaker	39
Max. products per 16A C Breaker	62
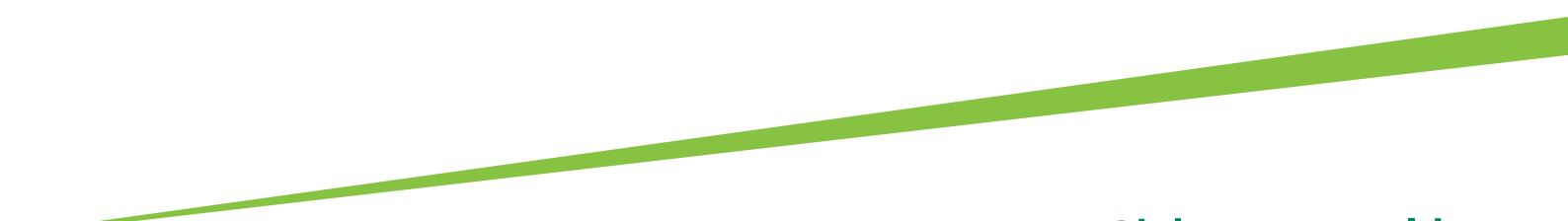
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Max. products per 10A B Breaker	39
Max. products per 16A B Breaker	62
Connectable conductor cross section - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	1.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B50	100000

PHYSICAL DATA

Housing colour	RAL9011
IP rating	IP20
IK rating	IK03
Diffuser finish	Other
Diffuser material	Other
Reflector finish	Not Applicable
Nominal Product Length (mm)	1147
Nominal Product Width (mm)	50
Nominal Product Height (mm)	73
Weight (kg)	1.85

PACKAGING

Product EAN number	5410288408231
Packaging single length / height (cm)	122.0
Packaging single width (cm)	6.1
Packaging single depth (cm)	7.8
DUN14 (inner)	15410288408238
Units per outer package	4
Packaging outer length / height (cm)	122.0
Packaging outer width (cm)	14.2
Packaging outer depth (cm)	19.4

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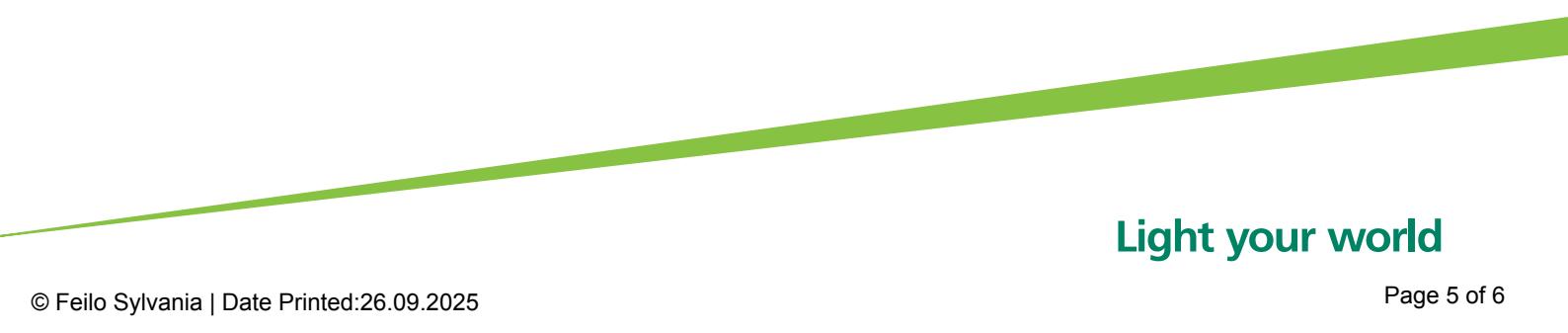
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SAFETY DATA

Glow Wire Test (°C)	650
Optimal operating condition (°C)	5-50
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No

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