



Description:

An evolution of Ecopoint's multi-purpose weatherproof luminaire, the new Skleros Tri-proof G3 incorporates a range of new features while retaining the specifications which have made previous generations so popular. A rugged construction with high protection ratings has now been paired with a modular design, extra flexibility, and tool-free installation to further improve usability and reliability. Replaceable/upgradeable light engines and drivers simplify maintenance and extend product service-life.

Mounting:

Surface-mounted or suspended as standard.

Standard Inclusions:

Luminaire, 1 x pair mounting/suspension brackets.

Options/Accessories:

Cable suspension kit (1 x pair of cables, ceiling barrel-mounts/grippers and spring-hooks).

Integrated microwave sensor or emergency optional.

DALI Dimming optional.

GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 ≥ 49,000 hrs, L85 ≥ 60,000 hrs (25° C)
Colour Specifications	840 / Others possible on request, incl. SOLUS 4000K
Colour Consistency	3 SDCM
Construction	Polycarbonate one-piece body, polycarbonate end caps
Luminaire Colour Options	White
Operating Conditions	-20° to 40° C
Protection Rating/s	IP65, IK08
Cable Entry	End entry, through-wireable

DRIVER SPECIFICATIONS:

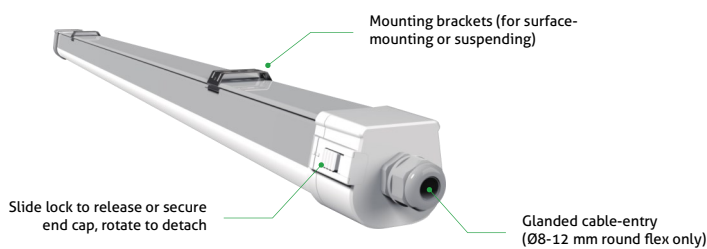
Standard Driver Type	Non-dim, DIP-switch power select, replaceable
Electrical Supply	200-240 V AC / 47-63 Hz
Power Specifications	PF > 0.93, THD(I) < 20%
Flicker (TLM/TLA)	< 3% mod. @ 100Hz / SVM ≤ 0.4 / P _{st} ^{LM} ≤ 1.0
Electrical Protection	OCP, SCP
Environmental Protection	Internal (IP20)
Rated Life	> 80,000 hours (ambient temp 25° C)
Dimming Options	DALI (specifications may vary)

SKLEROS LARGE

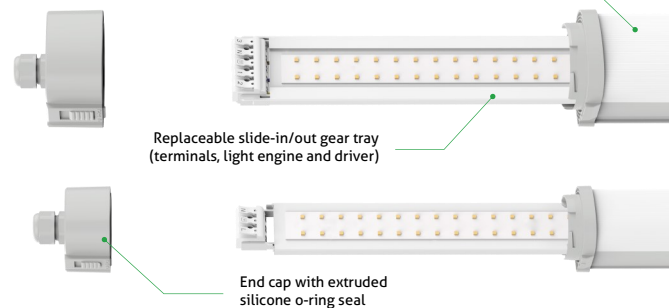
Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Skleros Tri-proof G3 Large 1200mm 840	1225 x 80 x 74 mm 1.4 kg	4000K	R _a ≥ 80, R ₉ ≥ 10 R _r ≥ 80, R _g ≥ 95	Opalised diffuser	25— 44 W	4,360— 7,210 lm	L90 @ 49,000 hrs L80 > 100,000 hrs
Skleros Tri-proof G3 Large 1500mm 840	1525 x 80 x 74 mm 1.7 kg	4000K	R _a ≥ 80, R ₉ ≥ 10 R _r ≥ 80, R _g ≥ 95	Opalised diffuser	34— 60 W	6,070— 10,010 lm	L90 @ 49,000 hrs L80 > 100,000 hrs

Notes:
 * Multiple flux/power combinations possible via DIP-switch selection on driver. Consult reference table overleaf for full set of standard combinations.
 ** Flux maintenance per TM-21, t_a 25° C (10,000 hrs LM-80 data; predictions >60,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.

Mounting and Connections



Modular Design:

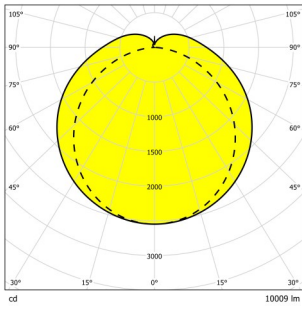


OPTIONAL INTEGRATED EMERGENCY DETAILS:

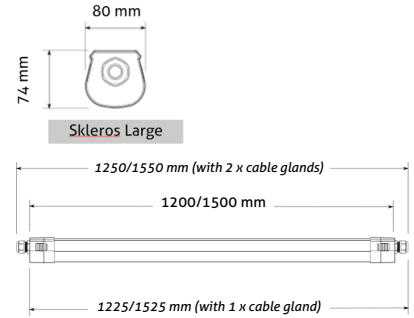
Emergency Type	Self-contained
Operating Mode	Maintained
Rated Duration	3 hours (initial)
Battery Type	LiFePO ₄ , 3.2V, 3.2Ah
Emergency Classifications (AS/NZS 2293.3)	C ₀ D63 / C ₉₀ D32 (1500mm) C ₀ D50 / C ₉₀ D25 (1200mm)
Warranty	5 years

DISTRIBUTION:

Skleros Large 1500 840 @ 60 W



DIMENSIONS:



PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Skleros Large	Current Setting (mA)	Power (W)	Flux (lm)
Skleros Tri-proof G3 Large 1200mm 840	200 mA	25	4,360
	250 mA	33	5,510
	300 mA	39	6,480
	350 mA	44	7,210
Skleros Tri-proof G3 Large 1500mm 840	200 mA	34	6,070
	250 mA	44	7,600
	300 mA	53	8,930
	350 mA	60	10,010

Standard 840	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3-1995	R _a 82 / R _g 10
	IES-TM30-18	R _f 84 / R _g 97 / -12% < R _{cs} < 8%
	COI (AS/NZS 1680.2.5)	-
	Melanopic Ratio (IWBI)	0.668

Opt. SOLUS S40	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3-1995	R _a 98 / R _g 98
	IES-TM30-18	R _f 95 / R _g 101 / -3% < R _{cs} < 8%
	COI (AS/NZS 1680.2.5)	0.3
	Melanopic Ratio (IWBI)	0.738

* Detailed colour performance specification sheets are available — request a copy if additional information is required.

LIGHT LOSS FACTOR GUIDE:

Variant	Service Life (hrs)	5,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000	55,000	60,000	65,000	70,000	75,000	80,000
Standard 840	LLMF	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
Based on...	LSF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L80 > 100,000 hrs	LaMF _{combined}	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84

* Refer ISO/CIE TS 22012:2019 for details of derivation and application of these standardised reference tables. Nearest relevant flux maintenance specifications are presented here — request a customised TM-21 calculation for a more accurate, project-specific, projection of LLMF based on your nominated service life.

OPTIONAL INTEGRATED SENSOR DETAILS:



Sensor Type	Microwave (5.8 GHz ± 75 MHz)
Mounting Height	Up to 10 m max.
Detection Area	Up to Ø 10 m, approx. diameter-to-height ratio is 1:1
Programming/Commissioning	Remote control (order separately)
Hold-time Durations	5* / 30 / 90 sec / 3 / 5 / 15 / 20 / 30 min
Stand-by Durations	Disabled* / 5 / 30 sec / 3 / 5 / 15 / 45 min / Infinite
Stand-by Levels	10% / 20%* / 30% / 50%
Daylight Thresholds	Disabled* / 5 / 15 / 50 / 100 / 300
Sensitivity Settings	25% / 50% / 75% / 100%*

* Default sensor settings from factory are indicated as above — re-commissioning via remote control required to enable other settings.

** Note that daylight thresholds over-ride any other sensor parameters — i.e. if sufficient daylight is available, the luminaire will not operate, regardless of occupancy or stand-by settings.

Example Control Strategies:

