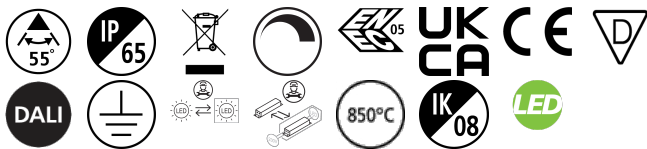


Sylvania Granit DALI
Granit IP65 DALI 13000lm 840 MB
0039617

Product features

- Integrated LED highbay; Black aluminium housing; 13000Lm; 93 W; 140 Lm/W; 4000K; Drive current: 1600mA; CRI 80; 55° beam angle; DALI dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 308 x 179 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.



PRODUCT OVERVIEW

Product name	Granit IP65 DALI 13000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357014
Warranty	5 years
Fixture luminous flux (lm)	13000
Luminaire efficacy (lm/W)	140
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	55
Glare control	< 22
Photobiological Risk Group	RG1
Total power consumption (W)	93
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
Dimming method	DALI
LED Flickering Rate	Low (6% - 20%)
Housing colour	Black
IP rating	IP65
IK rating	IK08

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Product EAN number

5410288396170

DATA TABLE

General data

Product name	Granit IP65 DALI 13000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
Operating temperature range (°C)	-30°C...+50°C
Performance ambient temperature T _q (°C)	25
ETIM Class	EC001716
E-number FI	4357014
Warranty	5 years

Optical data

Fixture luminous flux (lm)	13000
Luminaire efficacy (lm/W)	140
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	55
Glare control	< 22
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	93
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	1600
Inrush Current (A)	72.08
Inrush Duration (µs)	540
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. Luminaires per 10A C Breaker	5
Max. Luminaires per 13A C Breaker	6

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Max. Luminaires per 16A C Breaker	8
Max. Luminaires per 20A C Breaker	10
Max. Luminaires per 10A B Breaker	5
Max. Luminaires per 13A B Breaker	6
Max. Luminaires per 16A B Breaker	8
Max. Luminaires per 20A B Breaker	8

Lifetime data

Lifespan L70 B50	90000
Lifespan L70 B20	90000
Lifespan L70 B10	90000
Lifespan L80 B50	90000
Lifespan L80 B20	70000
Lifespan L80 B10	65000
Lifespan L90 B50	45000
Lifespan L90 B20	35000
Lifespan L90 B10	30000

Physical data

Housing colour	Black
IP rating	IP65
IK rating	IK08
Diffuser finish	Transparent
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	308
Nominal Product Width (mm)	308
Nominal Product Height (mm)	179
Nominal Product Diameter (mm)	308
Weight (kg)	2.78

Packaging

Single packaging type	Carton
Product EAN number	5410288396170
Packaging single length / height (cm)	37.0
Packaging single width (cm)	37.0
Packaging single depth (cm)	18.0
DUN14 (outer)	05410288396170
Units per outer package	1
Packaging outer length / height (cm)	37.0
Packaging outer width (cm)	37.0
Packaging outer depth (cm)	18.0

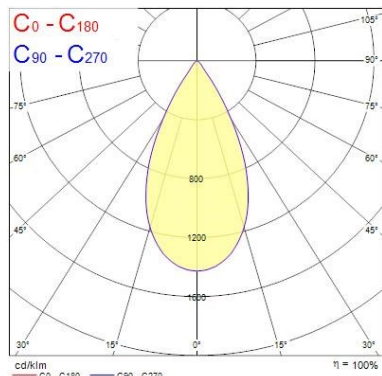
Safety data

Optimal operating condition (°C)	-30-50
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PHOTOMETRY

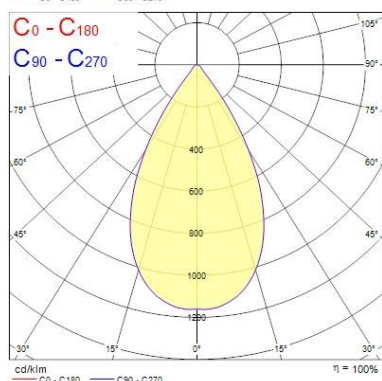
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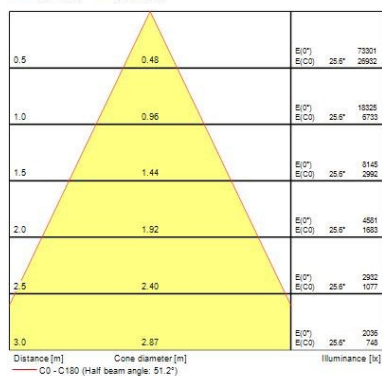
0.5	0.55	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	63185 21533
1.0	1.09	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	15796 5353
1.5	1.64	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	7021 2290
2.0	2.19	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	3549 1346
2.5	2.74	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	2527 881
3.0	3.29	E(0°) E(C0) E(C270)	25.7° 25.7° 25.7°	1755 596

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 57.4°)



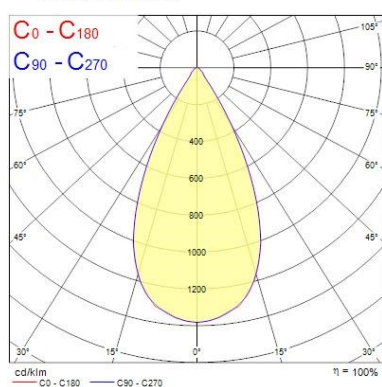
0.5	0.49 0.49	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	76962 27453 27453
1.0	0.97 0.98	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	18738 6863 6812
1.5	1.46 1.46	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	8338 3090 3033
2.0	1.94 1.95	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	4854 1716 1703
2.5	2.43 2.44	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	2996 1096 1090
3.0	2.91 2.93	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	2052 783 757

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 52.0°)
C90 - C270 (Half beam angle: 51.8°)



0.5	0.48	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	73301 26932
1.0	0.96	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	18328 6753
1.5	1.44	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	8148 2992
2.0	1.92	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	4581 1683
2.5	2.40	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	2932 1077
3.0	2.87	E(0°) E(C0) E(C270)	25.8° 25.8° 25.8°	2036 748

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 51.2°)



0.5	0.49 0.49	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	74538 27411 27226
1.0	0.97 0.98	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	18709 6853 6802
1.5	1.46 1.46	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	8315 3048 3033
2.0	1.94 1.95	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	4877 1713 1700
2.5	2.43 2.44	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	2994 1096 1090
3.0	2.91 2.93	E(0°) E(C90) E(C270)	25.9° 25.9° 25.9°	2070 781 755

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 52.0°)
C90 - C270 (Half beam angle: 51.8°)

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TECHNICAL DRAWINGS

