

Features

- Integrated LED highbay; Black aluminium housing; 19500Lm; 135 W; 144 Lm/W; 4000K; Drive current: 540mA; CRI 80; 55° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 321 x 169 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.

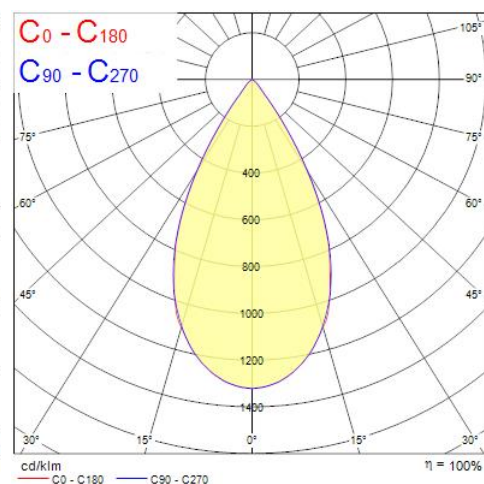
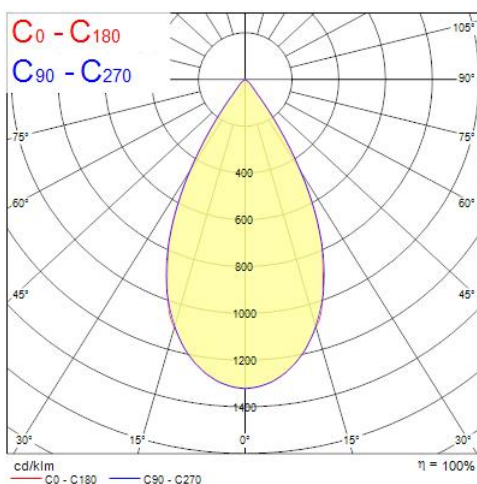
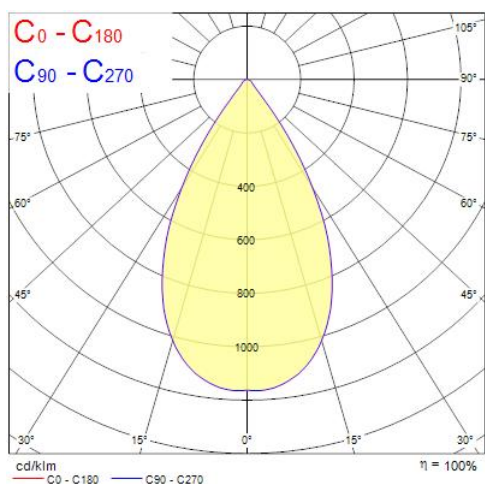
Product Overview

Product name	Granit IP65 0-10V 19000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357003
Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	144
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22

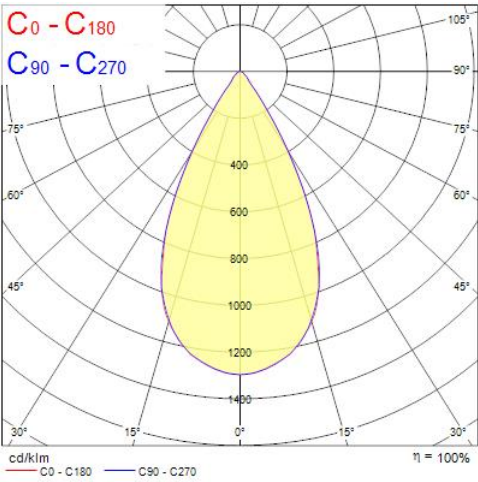
Granit IP65 0-10V 19000lm 840 MB 0039593

Photobiological Risk Group	RG1
Total power consumption (W)	135
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288395937
Warranty	5 years
Dimming method	0-10V

Photometry



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0.5	0.55	E(0°) E(C0) E(C90)	92398 28.7° 31541
1.0	1.09	E(0°) E(C0) E(C90)	23099 28.7° 7885
1.5	1.64	E(0°) E(C0) E(C90)	10286 28.7° 3505
2.0	2.19	E(0°) E(C0) E(C90)	5775 28.7° 1971
2.5	2.74	E(0°) E(C0) E(C90)	3696 28.7° 1262
3.0	3.28	E(0°) E(C0) E(C90)	2587 28.7° 876

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 57.4°)

0.5	0.52 0.52	E(0°) E(C90) E(C0)	101244 27.4° 35479 35551
1.0	1.04 1.03	E(0°) E(C90) E(C0)	25311 27.4° 8870 8883
1.5	1.56 1.55	E(0°) E(C90) E(C0)	11249 27.4° 3942 3960
2.0	2.07 2.06	E(0°) E(C90) E(C0)	6328 27.4° 2217 2222
2.5	2.59 2.58	E(0°) E(C90) E(C0)	4050 27.4° 1419 1422
3.0	3.11 3.10	E(0°) E(C90) E(C0)	2812 27.4° 965 968

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 54.6°)
— C90 - C270 (Half beam angle: 54.8°)

0.5	0.52 0.52	E(0°) E(C90) E(C0)	101191 27.4° 35460 35532
1.0	1.04 1.03	E(0°) E(C90) E(C0)	25296 27.4° 8855 8853
1.5	1.56 1.55	E(0°) E(C90) E(C0)	11243 27.4° 3940 3948
2.0	2.07 2.06	E(0°) E(C90) E(C0)	6324 27.4° 2216 2221
2.5	2.59 2.58	E(0°) E(C90) E(C0)	4048 27.4° 1418 1421
3.0	3.11 3.10	E(0°) E(C90) E(C0)	2811 27.4° 965 967

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 54.6°)
— C90 - C270 (Half beam angle: 54.8°)

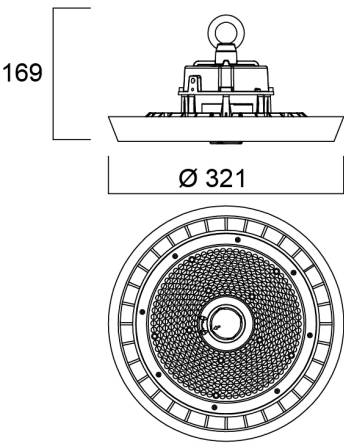
0.5	0.51 0.50	E(0°) E(C90) E(C0)	99708 26.8° 35555 35795
1.0	1.01 1.01	E(0°) E(C90) E(C0)	24927 26.8° 8891 8949
1.5	1.52 1.51	E(0°) E(C90) E(C0)	11079 26.8° 3952 3977
2.0	2.02 2.01	E(0°) E(C90) E(C0)	6232 26.8° 2223 2237
2.5	2.53 2.51	E(0°) E(C90) E(C0)	3988 26.8° 1423 1432
3.0	3.03 3.02	E(0°) E(C90) E(C0)	2770 26.8° 965 994

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 53.4°)
— C90 - C270 (Half beam angle: 53.6°)

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Technical drawings



Data table

GENERAL DATA

Product name	Granit IP65 0-10V 19000lm 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 Tq (°C)	25
ETIM Class	EC001716
E-number FI	4357003
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	144

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Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	135
Mains voltage (V)	220-240V
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	Other
Dimmable	Yes
Dimming method	0-10V
Drive current (mA)	540
Inrush Current (A)	82.7
Inrush Duration (µs)	620
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	10
Max. Luminaires per 13A C Breaker	13
Max. Luminaires per 16A C Breaker	16
Max. Luminaires per 20A C Breaker	20
Max. Luminaires per 10A B Breaker	6
Max. Luminaires per 13A B Breaker	7
Max. Luminaires per 16A B Breaker	9
Max. Luminaires per 20A B Breaker	12

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LIFETIME DATA

Lifespan L80 B50	90000
Lifespan L80 B20	70000
Lifespan L80 B10	65000
Lifespan L90 B50	45000

PHYSICAL DATA

Housing colour	Black
IP rating	IP65
IK rating	IK08
Diffuser finish	Transparent
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	169
Nominal Product Diameter (mm)	321
Weight (kg)	3.46

PACKAGING

Single packaging type	Carton
Product EAN number	5410288395937
Packaging single length / height (cm)	38.0
Packaging single width (cm)	38.0
Packaging single depth (cm)	18.5
DUN14 (outer)	05410288395937
Units per outer package	1
Packaging outer length / height (cm)	38.0
Packaging outer width (cm)	38.0
Packaging outer depth (cm)	18.5

SAFETY DATA

Optimal operating condition (°C)	-30-50
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No

SYLVANIA

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