



Features

- Integrated LED highbay; Black aluminium housing; 31000Lm; 220 W; 141 Lm/W; 4000K; Drive current: 860mA; CRI 80; 85° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 385 x 181 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.

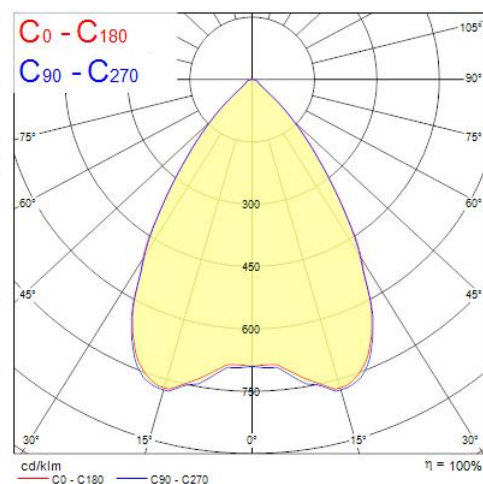
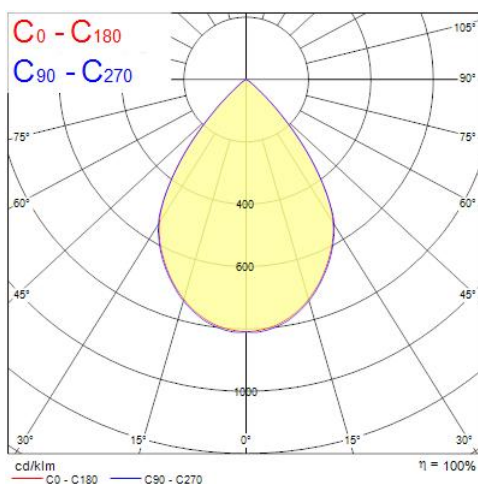
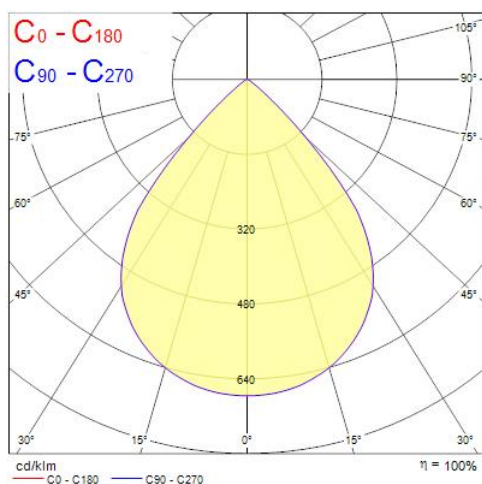
Product Overview

Product name	Granit IP65 0-10V 31000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357012
Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	85
Glare control	< 25

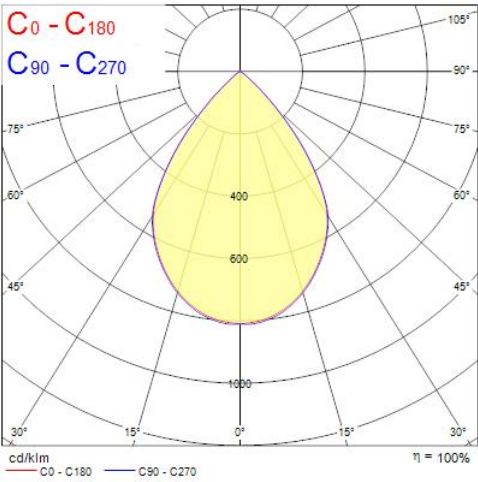
Granit IP65 0-10V 31000lm 840 WB 0039602

Photobiological Risk Group	RG1
Total power consumption (W)	220
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	5410288396026
Warranty	5 years
Dimming method	0-10V

Photometry



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0.5	0.86	E(0°) E(C0)	40.7°	88874 19399
1.0	1.72	E(0°) E(C0)	40.7°	22218 4850
1.5	2.58	E(0°) E(C0)	40.7°	9875 2155
2.0	3.44	E(0°) E(C0)	40.7°	5555 1212
2.5	4.30	E(0°) E(C0)	40.7°	3555 776
3.0	5.16	E(0°) E(C0)	40.7°	2459 539

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

— C0 - C180 (Half beam angle: 81.4°)

0.5	0.74	E(0°) E(C0)	36.6°	97935 25448
1.0	1.49	E(0°) E(C0)	36.6°	24484 6382
1.5	2.23	E(0°) E(C0)	36.6°	10882 2828
2.0	2.97	E(0°) E(C0)	36.6°	6121 1590
2.5	3.71	E(0°) E(C0)	36.6°	3917 1018
3.0	4.46	E(0°) E(C0)	36.6°	2720 707

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

— C0 - C180 (Half beam angle: 73.2°)

0.5	0.74	E(0°) E(C0)	36.6°	97864 25429
1.0	1.49	E(0°) E(C0)	36.6°	24466 6357
1.5	2.23	E(0°) E(C0)	36.6°	10874 2825
2.0	2.97	E(0°) E(C0)	36.6°	6116 1589
2.5	3.71	E(0°) E(C0)	36.6°	3915 1017
3.0	4.46	E(0°) E(C0)	36.6°	2718 706

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

— C0 - C180 (Half beam angle: 73.2°)

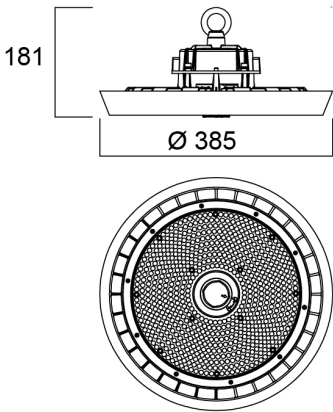
0.5	0.70	E(0°) E(C90) E(C0)	34.9° 35.0°	82102 25617 25422
1.0	1.40	E(0°) E(C90) E(C0)	34.9° 35.0°	20526 6404 6356
1.5	2.09	E(0°) E(C90) E(C0)	34.9° 35.0°	9122 3546 2825
2.0	2.79	E(0°) E(C90) E(C0)	34.9° 35.0°	5131 1801 1589
2.5	3.49	E(0°) E(C90) E(C0)	34.9° 35.0°	3284 1025 1017
3.0	4.19	E(0°) E(C90) E(C0)	34.9° 35.0°	2251 712 706

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

— C0 - C180 (Half beam angle: 70.0°)
— C90 - C270 (Half beam angle: 69.8°)

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Technical drawings



Data table

GENERAL DATA

Product name	Granit IP65 0-10V 31000lm 840 WB
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	4357012
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141

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Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	220
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)	860
Inrush Current (A)	99.2
Inrush Duration (µs)	220
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	3
Max. Luminaires per 13A C Breaker	5
Max. Luminaires per 16A C Breaker	7
Max. Luminaires per 20A C Breaker	8
Max. Luminaires per 10A B Breaker	3
Max. Luminaires per 13A B Breaker	3
Max. Luminaires per 16A B Breaker	4
Max. Luminaires per 20A B Breaker	5

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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)	181
Nominal Product Diameter (mm)	385
Weight (kg)	4.77

PACKAGING

Single packaging type	Carton
Product EAN number	5410288396026
Packaging single length / height (cm)	44.5
Packaging single width (cm)	44.5
Packaging single depth (cm)	19.5
DUN14 (outer)	05410288396026
Units per outer package	1
Packaging outer length / height (cm)	44.5
Packaging outer width (cm)	44.5
Packaging outer depth (cm)	19.5

SAFETY DATA

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

SYLVANIA

Granit IP65 0-10V 31000lm 840 WB

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