

Granit 0-10V

Granit IP65 0-10V 19000lm 840 WB

0039596

Product features

- Integrated LED highbay; Black aluminium housing; 19500lm; 135 W; 144 Lm/W; 4000K; Drive current: 540mA; CRI 80; 85° 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 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357006
Warranty	5 years
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)	SDCM3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG1
Total power consumption (W)	135
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
LED Flickering Rate	Low (6% - 20%)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288395968

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DATA TABLE

General data

Product name	Granit IP65 0-10V 19000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
Operating temperature range (°C)	-30°C - 50°C
Performance ambient temperature T _a (°C)	25
ETIM Class	EC001716
E-number FI	4357006
Warranty	5 years

Optical data

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)	SDCM3
Beam Angle (°)	85
Distribution type	Direct
Glare control	< 25
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	135
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
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	Low (6% - 20%)
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

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Max. Luminaires per 13A B Breaker	7
Max. Luminaires per 16A B Breaker	9
Max. Luminaires per 20A B Breaker	12

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 Length (mm)	321
Nominal Product Width (mm)	321
Nominal Product Height (mm)	169
Nominal Product Diameter (mm)	321
Weight (kg)	3.46

Packaging

Single packaging type	Carton
Product EAN number	5410288395968
Packaging single length / height (cm)	38.0
Packaging single width (cm)	38.0
Packaging single depth (cm)	18.5
DUN14 (outer)	05410288395968
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

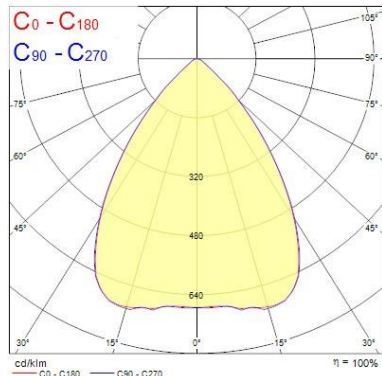
Optimal operating condition (°C)	-30-50
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PHOTOMETRY

Granit 0-10V

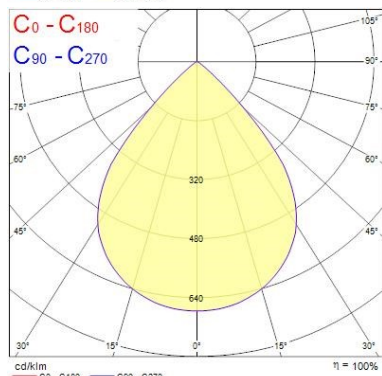
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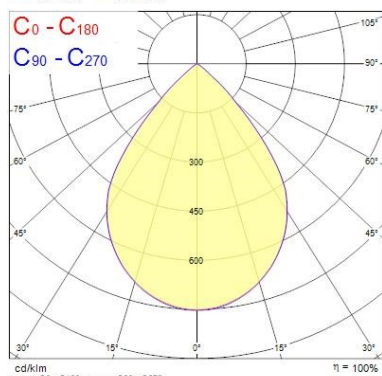
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.76 0.75	51252 11910 13506	
1.0	1.51 1.51	12813 3711 3403	
1.5	2.27 2.26	5596 1912 1512	
2.0	3.03 3.01	3203 881 880	
2.5	3.78 3.77	2080 544 544	
3.0	4.54 4.52	1424 378 378	

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 74.0°)
C90 - C270 (Half beam angle: 74.2°)



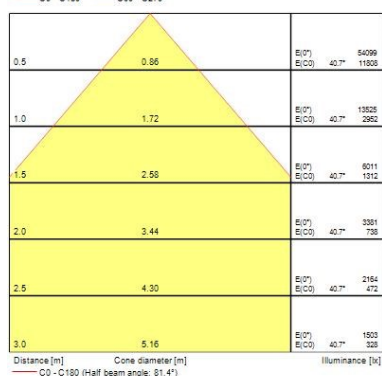
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.80 0.80	55994 13534 13746	
1.0	1.60 1.59	14224 3438 3438	
1.5	2.39 2.39	6332 1915 1527	
2.0	3.19 3.18	3596 882 889	
2.5	3.99 3.98	2276 545 550	
3.0	4.79 4.77	1550 379 382	

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 77.0°)
C90 - C270 (Half beam angle: 77.2°)



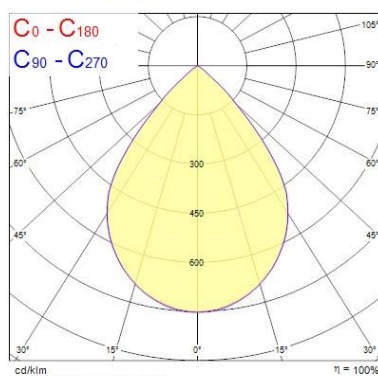
Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.80 0.80	56796 13610 13722	
1.0	1.60 1.59	14199 3403 3430	
1.5	2.39 2.39	6311 1912 1528	
2.0	3.19 3.18	3580 881 889	
2.5	3.99 3.98	2272 544 540	
3.0	4.79 4.77	1578 378 381	

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 77.0°)
C90 - C270 (Half beam angle: 77.2°)



Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	0.86 0.86	54099 11808 11808	
1.0	1.72 1.72	13528 2952 2952	
1.5	2.58 2.58	6011 1312 1312	
2.0	3.44 3.44	3381 738 738	
2.5	4.30 4.30	2164 472 472	
3.0	5.16 5.16	1503 328 328	

Distance [m] Cone diameter [m]
C0 - C180 (Half beam angle: 81.4°)



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TECHNICAL DRAWINGS

