

DUNA FLEX | HE+

High performance with optional Wireless Bluetooth control and sensors



Benefits

- High efficiency up to 160lm/W.
- Temperature range up to 50°C with 100,000 hours lifetime.
- Internal diffuser to avoid direct contact with LED: protection without risk of damage by ESD.
- Up to 15,000lm and TB optics under request for the highest installations.

Characteristics



Mechanical characteristics

Housing	Compressed fibreglass reinforced polyester (GRP), grey RAL 7035
Diffuser	Injected PMMA with UV protection and frosted finish 20% opal
Closing clips	Stainless steel
Gasket	Polyurethane
Gear tray	White lacquered steel plate
Cable entry	Cable gland
Fixing clips	Stainless steel
Suspension triangles	Stainless steel
Chemical agents resistance	See website

Electrical characteristics

Connection	3/5 pole push wire terminal block
Power factor	> 0.95 full load
THD	< 10% full load
Flicker factor	< 1%

Functional characteristics

Lifetime	L80 100,000 hours at 35°C
Guarantee	5 years
Fire protection	Flammability (UL94): V2 Glow wire test (EN 60695-2-11): 650°

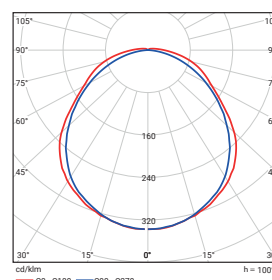
Compliance



RoHS REACH

Photometrical characteristics

SDCM	< 3
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Description

FAMILY	VERSION	LENGTH (mm)	LUMINOUS FLUX (lm)	CRI	LIGHT COLOUR (K)	DRIVER	HOUSING	DIFFUSER	CLOSING CLIPS	CONNECTION	THROUGH WIRING	SENSOR	EMERGENCY KIT
> D: DUNA	> HE+	> 1.2: 1200 > 1.5: 1500	> 40: 4000 > 60: 6000	> 8: >80	> 40: 4000	> ET: non dimmable > ETDD: DALI > ETDD CS: Casambi dimmable	> SMC: GRP	> DPM: PMMA	> IX: stainless steel	> CG: cable gland + terminal block	> 3x1.5mm ² > 5x2.5mm ²	> HFS: high frequency sensor	> EB3: 3 hours

Special options under request

Ask our Sales Team for more details	> MF: multilumen 2000 to 8000	> 9: >90	> 30: 3000 > 65: 6500 > 827-865: tunable white	> ETD: 1-10V dimmable	> PC: PC	> DPC: PC	> PA: polyamide	> TWW: Wieland fast connector > TWS: Stucchi fast connector	> 5x1.5mm ²	> EB1: 1 hour > EB3 NDA: 3 hours DALI
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Operational data

Description	Order number	Luminous flux (lm)	Power (W)	Efficiency (lm/W)	Colour temperature (K)	CRI	Temperature range
DHE+ 1.2 40-840 ET SMC DPM IX CG	10203607	4000	25	160	4000	> 80	-30°C - +50°C
DHE+ 1.2 40-840 ETDD SMC DPM IX CG	10203608	4000	25	160	4000	> 80	-30°C - +50°C
DHE+ 1.2 40-840 ET SMC DPM IX CG 3x1.5	10203609	4000	25	160	4000	> 80	-30°C - +45°C
DHE+ 1.2 40-840 ETDD SMC DPM IX CG 5x2.5	10203610	4000	25	160	4000	> 80	-30°C - +40°C
DHE+ 1.2 40-840 ET SMC DPM IX CG EB3 ¹	10203611	4000	25	160	4000	> 80	0°C - +35°C
DHE+ 1.2 40-840 ET SMC DPM IX CG HFS	10203612	4000	25	160	4000	> 80	-20°C - +35°C
DHE+ 1.2 40-840 ETDD CS SMC DPM IX CG	10214670	4000	25	160	4000	> 80	-20°C - +35°C
DHE+ 1.2 40-840 ETDD CS SMC DPM IX CG HFS	10214672	4000	25	160	4000	> 80	-20°C - +35°C
DHE+ 1.5 60-840 ET SMC DPM IX CG	10203617	6000	37	160	4000	> 80	-30°C - +50°C
DHE+ 1.5 60-840 ETDD SMC DPM IX CG	10203618	6000	37	160	4000	> 80	-30°C - +50°C
DHE+ 1.5 60-840 ET SMC DPM IX CG 3x1.5	10203619	6000	37	160	4000	> 80	-30°C - +45°C
DHE+ 1.5 60-840 ETDD SMC DPM IX CG 5x2.5	10203620	6000	37	160	4000	> 80	-30°C - +40°C
DHE+ 1.5 60-840 ET SMC DPM IX CG EB3 ¹	10203621	6000	37	160	4000	> 80	0°C - +35°C
DHE+ 1.5 60-840 ET SMC DPM IX CG HFS	10203622	6000	37	160	4000	> 80	-20°C - +35°C
DHE+ 1.5 60-840 ETDD CS SMC DPM IX CG	10214671	6000	37	160	4000	> 80	-20°C - +35°C
DHE+ 1.5 60-840 ETDD CS SMC DPM IX CG HFS	10214676	6000	37	160	4000	> 80	-20°C - +35°C

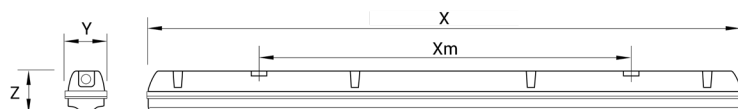
¹ In emergency versions maximum power consumption increases in 4W during battery charging, which is approximately 5% of the time that luminaire is on. The rest of the time power consumption is as indicated.

Dimensions and logistics

Description	X	Xm	Y	Z					
	mm	mm	mm	mm	L x W x H mm	Pcs./Box	Box ²	Groupage Pcs./Euro pallet	Double pallet Pcs./Euro pallet
DHE+ 1.2...	1277	800	101	84	1384 x 104 x 84	1	1.8	119	77 + 77
DHE+ 1.5...	1573	1100	101	84	1646 x 104 x 84	1	2.3	119	77 + 77

Please check with our Back Office to confirm logistic data

² Weight in EB3 versions: +0.2KG



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Accessories

10103049	Suspension wire 2m hook and fastener, 1 unit ¹
10149442	Theft protection (required for wall mounting), set for 1 luminaire
10207593	ZBWM wall mounting accessory (allows luminaire rotation), 2 pieces set
10256809	Fixing clips in stainless steel 316L, 2 units

¹ 2 units required per luminaire



Circuit breaker/inrush current

Order number	Number of drivers on a single-pole power circuit breakers (CB)			
	CB-Type	10A	16A	20A
10203607	B	19	30	37
10203609				
10203611				
10203612	C	31	50	63
10203608	B	17	28	35
10203610				
10214670				
10214672	C	29	47	58
10203617	B	16	26	32
10203619				
10203621				
10203622	C	27	43	54
10203618	B	15	24	30
10203620				
10214671				
10214676	C	25	40	50

- Data for U_{supply} = 230 VAC, mains impedance = 1 Ω
- In case of multi-polar CB the maximum number is reduced by 20 %.
- The maximum number may differ depending on CB manufacturer. Please consider the specifications of the manufacturer.
- CB with C-characteristics are recommended to be used in lighting groups.