

Features

- Resisto, integrated LED weatherproof luminaire, with UV stabilized flat diffuser designed to achieve uniform lit appearance, optimise light output and to reduce glare. 301 stainless steel diffuser clips and fixing brackets for surface mounting. Polycarbonate housing and diffuser - no yellow discolouration over time. 2750 - 4800lm (selected by DIP switches); 18.5 - 31W; 149 - 155lm/W; 4000K; SDCM<3; non dimmable; CRI80; IP66; IK08; Class I; 69,000hrs (L80B20) lifespan; 1200mm x 89mm x 88mm; D-mark.

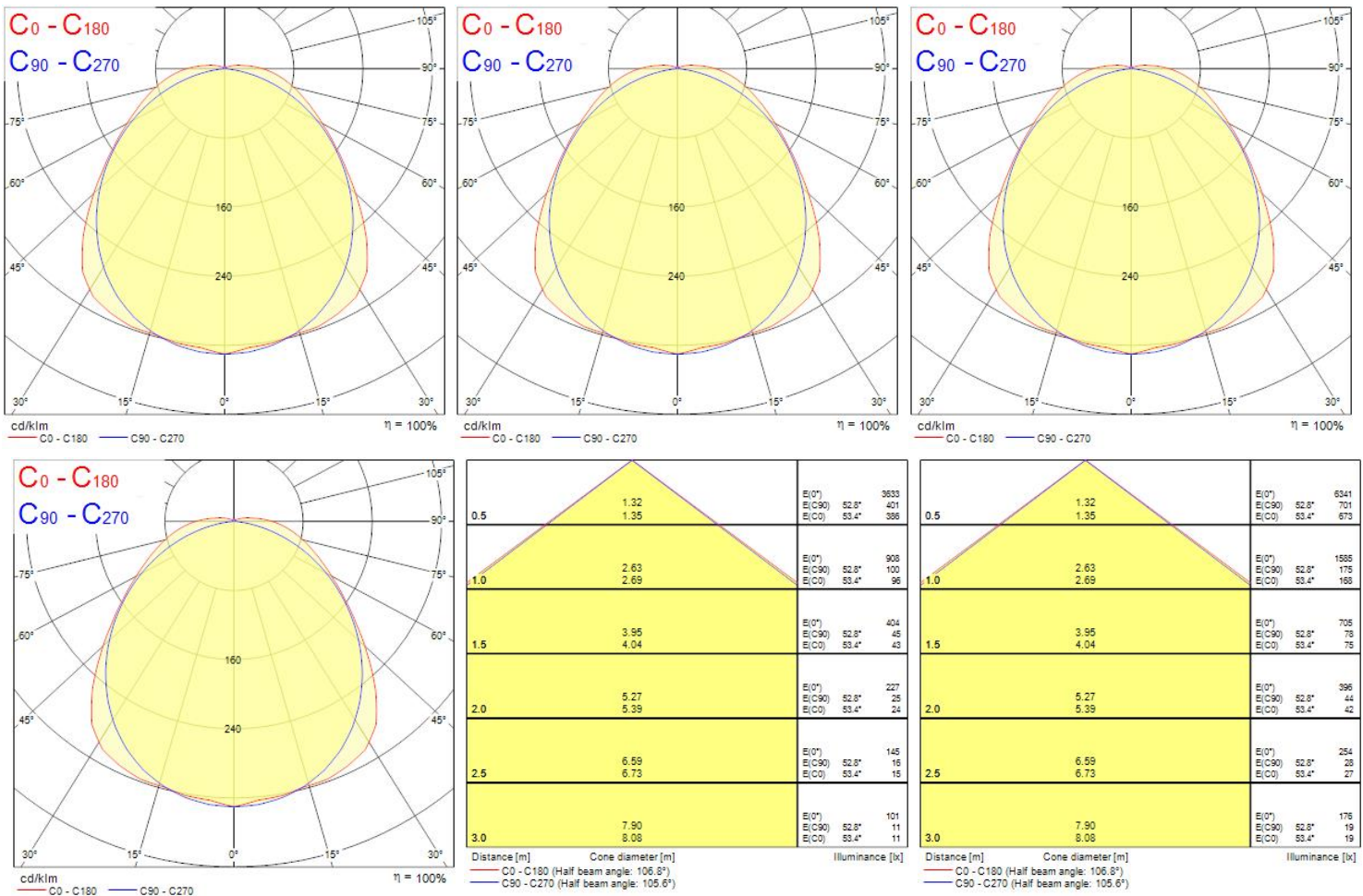
Product Overview

Product name	RESISTO 1200 HE IP66 2750-4800LM 840
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
ETIM Class	EC002892
E-number FI	4357166
Fixture luminous flux (lm)	4800
Luminaire efficacy (lm/W)	155
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Colour Variation Initial (SDCM)	3
Beam Angle (°)	110
Glare control	< 24
Photobiological Risk Group	RG1

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Total power consumption (W)	31
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Grey
IP rating	IP66
IK rating	IK08
Product EAN number	5410288103303
Warranty	5 years
Dimming method	N/A

Photometry



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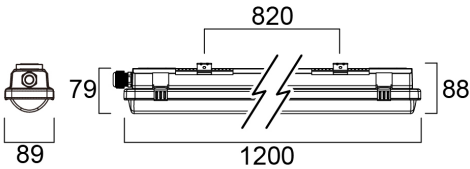
Distance [m]	Cone diameter [m]	Beam type	Half beam angle [°]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	1.32 1.35	C0 - C180	106.8°	5416	599	575
1.0	2.63 2.69	C0 - C180	106.8°	1354	150	144
1.5	3.95 4.04	C0 - C180	106.8°	602	67	64
2.0	5.27 5.39	C0 - C180	106.8°	339	37	36
2.5	6.59 6.73	C0 - C180	106.8°	217	24	23
3.0	7.90 8.08	C0 - C180	106.8°	150	17	16

Distance [m]	Cone diameter [m]	Beam type	Half beam angle [°]	E(0°) [lx]	E(C90) [lx]	E(C0) [lx]
0.5	1.32 1.35	C90 - C270	105.6°	4558	504	484
1.0	2.63 2.69	C90 - C270	105.6°	1139	125	121
1.5	3.95 4.04	C90 - C270	105.6°	506	56	54
2.0	5.27 5.39	C90 - C270	105.6°	285	31	30
2.5	6.59 6.73	C90 - C270	105.6°	182	20	19
3.0	7.90 8.08	C90 - C270	105.6°	127	14	13

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

— C0 - C180 (Half beam angle: 106.8°)
— C90 - C270 (Half beam angle: 105.6°)

Technical drawings



Data table

GENERAL DATA

Product name	RESISTO 1200 HE IP66 2750-4800LM 840
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate

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Mount	Ceiling surface mounting, Suspended, Wall surface mounted
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4357166
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4800
Luminaire efficacy (lm/W)	155
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Colour Consistency (SDCM)	3
Beam Angle (°)	110
Distribution type	Diffuse
Glare control	< 24
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	31
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	20
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current

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No. Of switching cycles before premature failures	>50000
Dimmable	No
Dimming method	N/A
Drive current (mA)	350
Inrush Current (A)	5.5
Inrush Duration (µs)	20
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	41
Max. products per 13A C Breaker	53
Max. products per 16A C Breaker	65
Max. products per 20A C Breaker	82
Max. products per 10A B Breaker	41
Max. products per 13A B Breaker	53
Max. products per 16A B Breaker	65
Max. products per 20A B Breaker	82
Connectable conductor cross section - Max (mm ²)	2.5

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	69000
Lifespan L90 B10	31000

PHYSICAL DATA

Housing colour	Grey
IP rating	IP66
IK rating	IK08
Diffuser finish	Frosted
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1200

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Nominal Product Width (mm)	87
Nominal Product Height (mm)	80
Weight (kg)	1.47

PACKAGING

Product EAN number	5410288103303
Packaging single length / height (cm)	120.5
Packaging single width (cm)	10.0
Packaging single depth (cm)	8.5
DUN14 (inner)	05410288103303
Units per outer package	1
Packaging outer length / height (cm)	120.5
Packaging outer width (cm)	10.0
Packaging outer depth (cm)	8.5

SAFETY DATA

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-20-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No