Comune:	FERRARA
Oggetto:	PROGETTO DELLE URBANIZZAZIONI DEL PIANO PARTICOLAREGGIATO DI INIZIATIVA PUBBLICA APPROVATO CON DELIBERA C.C. N. 23/ 48934 IN DATA 22/ 09/ 2003 E SUCCESSIVA VARIANTE P.G. 63559 P.R. 1743 del 22/ 06/ 2015
Zona dell'intervento:	VIA DARSENA, 47 - 44122 - FERRARA
Proprietà:	Società La Darsena S.r.l. VIA G. MARCONI, 40 - 35040 - MERLANA (PD) TEL. 035-221000 Fax 035-1996758
Progettisti:	STUDIO A4+ Arch. ENRICO PUGGIOLI Arch. Giovanni Magri VIA DARSENA, 67 - 44122 - FERRARA TEL. 0532-097714 __ EMAIL enricopuggioli@yahoo.it STEP ENGINEERING S.r.L. - ING. PAOLO TRAPELLA VIA PONTEGRADELLA, 87 - 44123 - FERRARA
Stato:	PROGETTO
Elaborato:	RELAZIONE TECNICA DEGLI IMPIANTI DI ILLUMINAZIONE PUBBLICA
Data:	11.05.2017
Aggiornamento:	01
Data aggiornmento:	14.06.2017
Livello Progettazione:	DEFINITIVO
Variante N.:	01

Tav. n°:

R.I.

RELAZIONE TECNICA DESCRITTIVA

ILLUMINAZIONE PUBBLICA

Variante al piano particolareggiato di iniziativa pubblica approvato con delibera C.C.N. 23/48934 in data 22/09/2003, via darsena 47, 44122, Ferrara.

Gli impianti saranno realizzati secondo il “Disciplinare tecnico per la realizzazione di impianti di illuminazione pubblica nel Comune di Ferrara” del febbraio 2012.

I livelli di illuminamento e luminanza dovranno fare riferimento alla classificazione delle strade secondo le UNI 11248 e UNI EN 13201, con categoria illuminotecnica di progetto P3 – Parcheggi.

Si vuole ottenere sui parcheggi un illuminamento medio di 7,5lux e minimo di 1,5lux

La nuova installazione prevede la posa di pali conici trafilati in acciaio verniciato dello stesso colore RAL degli apparecchi illuminanti (grigio satinato semilucido) con altezza fuori terra di 8mt ed equipaggiati con n°1 armatura testapalo cablate 39,5W Led autodimmerabili.

Un palo sarà provvisto di sbraccio testapalo L=2m.

I plinti per l’ancoraqgio dei pali saranno del tipo prefabbricato con cemento tipo Rck 250 o superiore.

Tutti i corpi illuminanti sono in classe di isolamento II, pertanto non è necessario realizzare l’impianto di terra.

Saranno alimentati da linea FG7OR 4x1x6mmq derivati da linea aerea esistente sulla strada principale.
Le linee di derivazione avranno sezione minima di 2,5mmq con cavo FG7R dirette ad ogni apparecchio.

La potenza che sarà installata sarà di 0,158kW.

Non risultano interferenze con altre tipologie di impianti esistenti.

DICHIARAZIONE DI CONFORMITA' DEL PROGETTO ILLUMINOTECNICO ALLA L.R.19/2003 DICHARAZIONE DI PROGETTO A REGOLA D'ARTE

Il sottoscritto Ing. Paolo Trapella con studio di progettazione con sede in via pontegradella 87, 44123 nel comune di Ferrara (FE) tel. 0532-740050 - P.IVA 01884990381

Progettista dell'impianto d'illuminazione (descrizione schematica):
Illuminazione pubblica di parcheggio per n°18 posti auto sito a Ferrara (FE) in via darsena 47; costituita da n°4 punti luce con pali Hft=8m equipaggiati con armature stradali da 39,5W a led autodimmerabili.

DICHIARA
sotto la propria personale responsabilità che l'impianto è stato progettato in conformità alla normativa vigente in Emilia Romagna in materia di riduzione dell'Inquinamento luminoso e risparmio energetico dell'Emilia Romagna (L.R. 19/2003 e alla D.G.R. n. 1732/2015), avendo in particolare:

x rispettato le indicazioni tecniche della LR19/2003 e della D.G.R. n. 1732/2015;

x seguito la normativa tecnica applicabile all'impiego e nello specifico le norme UNI 11248 ed UNI EN 13201 e quindi di aver realizzato un progetto a "regola d'arte"

DECLINA
- ogni responsabilità per sinistri a persone o a cose derivanti da una esecuzione sommaria e non realizzata con i dispositivi previsti nel progetto illuminotecnico esecutivo.
- ogni responsabilità da una scorretta installazione (non conforme alla LR19/2003), ricordando che nel progetto illuminotecnico esecutivo, sono presenti tutti gli elementi per una installazione corretta.

Data: 14 Giugno 2017

Il dichiarante

ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI FERRARA
n° 777 Albo
dott. ing.
Paolo Trapella

Ing. Paolo Trapella

CALCOLI ILLUMINOTECNICI

Parcheggio Via Darsena - Ferrara

Impianto : ITALO 1

Numero progetto : PP-17013C
Cliente : STEP Engineering
Autore :
Data : 28.04.2017

Descrizione progetto:
Verifica s. posizionamenti
ITALO 1 0F3 STW 4.5-2M su palo h=8m f.t.

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Sommario

1 Dati punti luce

1.1 AEC Illuminazione, ITALO 1 (ITALO 1 0F3 STW 4.5-2M)

1.1.1 Pagina dati

Marca: AEC Illuminazione

ITALO 1 0F3 STW 4.5-2M Armatura stradale a tecnologia LED ITALO 1
Apparecchio a LED per illuminazione stradale.
Telaio e copertura superiore in pressofusione di alluminio colore grafite.
Schermo di chiusura in vetro piano temperato spessore 4mm.
LED disposti su circuiti stampati in substrato di alluminio.
Materiale termo-conduttivo applicato tra dissipatore e circuiti stampati al fine di garantire una migliore continuità termica tra le piastre LED e il corpo dell' apparecchio.
Attacco testa palo o braccio universale diametro da 33 a 60 mm oppure opzionale da 60 a76mm.
Inclinazione a testa-palo 0° +5° +10° +15° +20° ; Inclinazione a braccio 0° -5° -10° -15° -20°.
Modulo ottico estraibile.
Piastra cablaggio estraibile.
Grado di protezione totale IP66.
Classe di isolamento I, II.

Sistema ottico:
Gruppo ottico estraibile composta da moduli TRIO in alluminio 99,85% con finitura superficiale realizzata con deposizione sottovuoto 99,95%.
Apparecchio classificato nella categoria "EXEMPT GROUP" (assenza di rischio foto-biologico) in accordo con la norma EN 62471 e dotato di "HIGH PERFORMANCE OPTIC": sistema ottico in grado di ottimizzare il flusso luminoso di ciascun LED e di ridurre gli effetti di abbagliamento.
Temperatura di colore della sorgente LED: 4000K (3000K-5700K in opzione)
CRI (indice di resa cromatica): ≥70
Corrente di alimentazione LED: 525/700 mA (Ta max 50°c).

Ottiche disponibili:
- STE-M / STE-S : ottica asimmetrica per illuminazione stradale extraurbana
- STU-M / STU-S : ottica asimmetrica per illuminazione stradale urbana e ciclopedonale
- STW : ottica asimmetrica per illuminazione di strade larghe e asfalti bagnati
- SV : ottica asimmetrica per illuminazione di svincoli autostradali o strade urbane molto strette.

Taglie disponibili:
1-2-3-4 moduli TRIO

Sistemi di dimmerazioni disponibili:
-DA
-DAC
-PLM

Dati punti luce

Fotometria assoluta		
Rendimento punto luce	:	115.7 lm/W
Classificazione	:	A30 ↓100.0% ↑0.0%
CIE Flux Codes	:	38 76 98 100 100
UGR 4H 8H	:	39.0 / 19.0
Reattore/Alimentatore	:	reattore elettronico
Potenza	:	39.5 W
Flusso luminoso	:	4570 lm
Dimensioni	:	615 mm x 343 mm x 106 mm

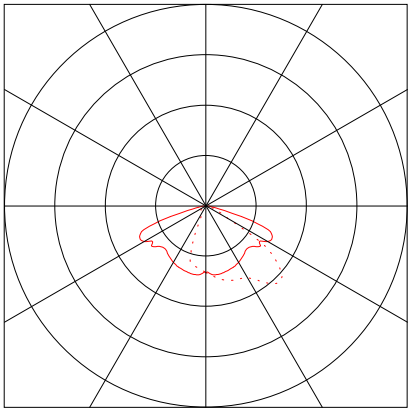
Sorgenti:

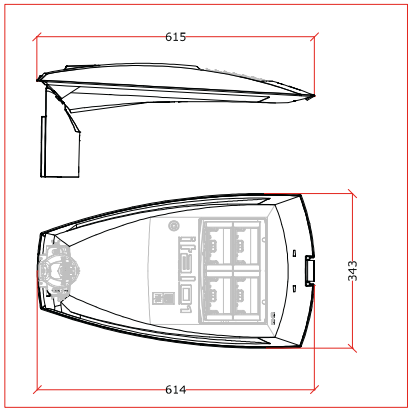
Quantità	:	1
Nome	:	LED
Temp. Di Colore	:	4000K
Resa cromatica	:	70

1 Dati punti luce

1.1 AEC Illuminazione, ITALO 1 (ITALO 1 0F3 STW 4.5-2M)

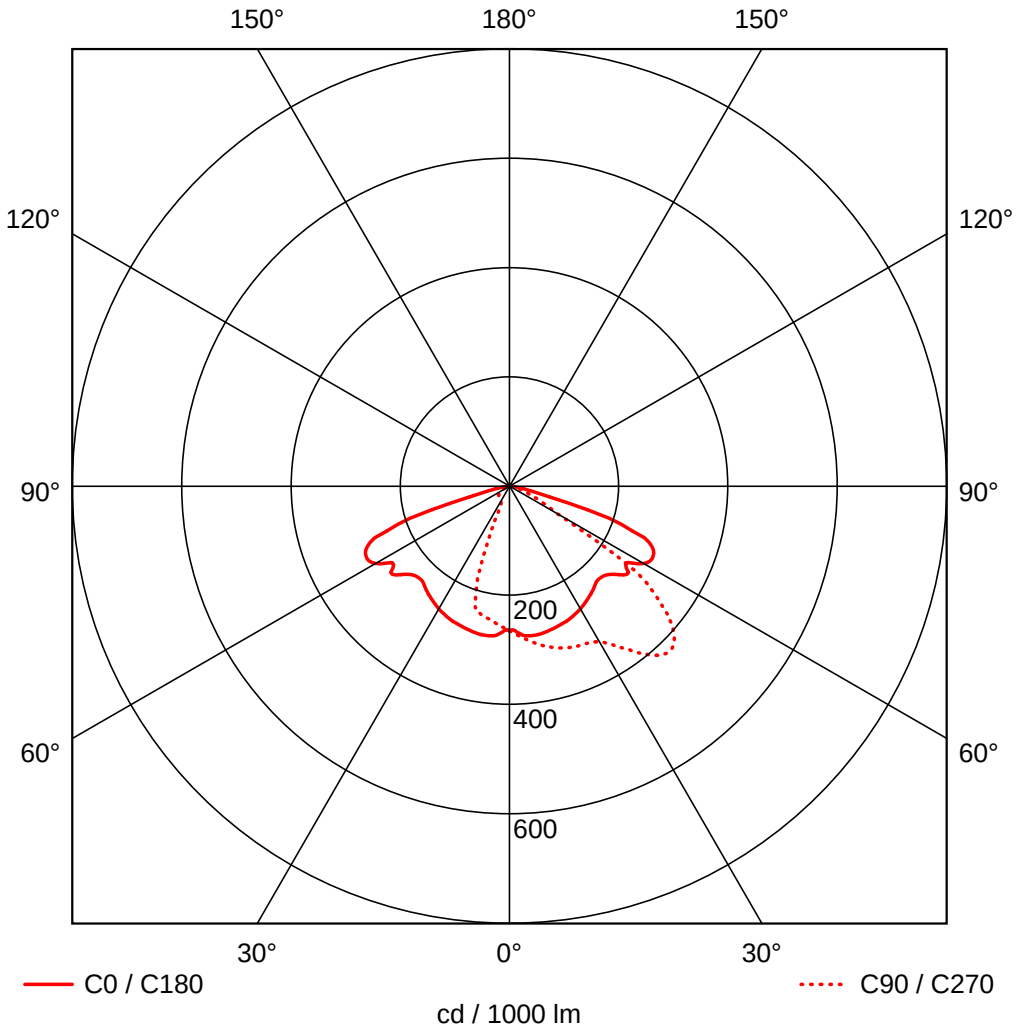
1.1.1 Pagina dati





1.1 AEC Illuminazione, ITALO 1 (ITALO 1 0F3 STW 4.5-2M)

1.1.2 CDL



	C0	C90	C180
0°	265	265	265
5°	274	278	274
10°	277	293	277
15°	274	306	274
20°	271	314	271
25°	266	320	266
30°	259	330	259
35°	251	362	251
40°	241	403	241
45°	236	420	236
50°	251	384	251
55°	261	303	261
60°	283	101	283
65°	291	55	291
70°	239	30	239
75°	76	15	76
80°	22	8	22
85°	3	3	3
90°	0	0	0
	cd / 1000 lm		

Marca : AEC Illuminazione
Codice : ITALO 1 0F3 STW 4.5-2M
Nome punto luce : ITALO 1
Accessori : 1 x LED 39.5 W / 4570 lm
Dimensioni : L 615 mm x L 343 mm x H 106 mm
Nome file : rlx927301.ldt

Rendimento punto luce : 115.7 lm/W (A30)
Distrib. della luce : asimmetrico
Angolo fascio luminoso : -- C0
49.8° C90
-- C180
-- C270

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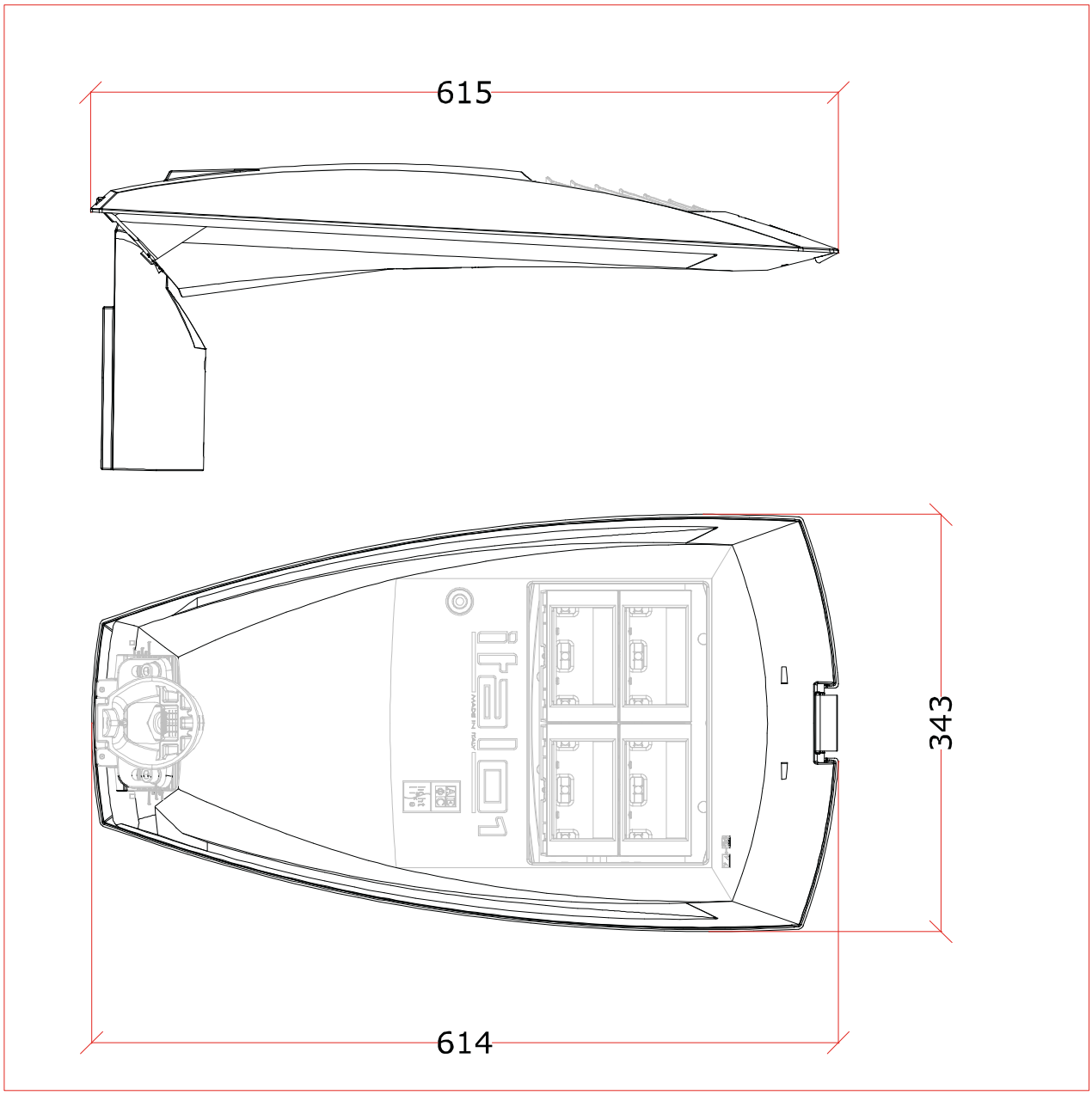
1.1 AEC Illuminazione, ITALO 1 (ITALO 1 0F3 STW 4.5-2M)

1.1.3 Disegno CAD



Marca	: AEC Illuminazione	Rendimento punto luce	: 115.7 lm/W (A30)
Codice	: ITALO 1 0F3 STW 4.5-2M	Distrib. della luce	: asimmetrico
Nome punto luce	: ITALO 1	Angolo fascio luminoso	: -- C0
Accessori	: 1 x LED 39.5 W / 4570 lm		49.8° C90
Dimensioni	: L 615 mm x L 343 mm x H 106 mm		-- C180
Nome file	: rlx927301.ldt		-- C270

2 Impianto esterno 1

2.1 Descrizione, Impianto esterno 1

2.1.1 Dati punti luce/Elementi dell' interno

Dati prodotti:

Tipo Num. Marca

AEC Illuminazione
Codice : ITALO 1 0F3 STW 4.5-2M
Nome punto luce : ITALO 1
Sorgenti : 1 x LED 39.5 W / 4570 lm

	Centro			Angolo di rotazione			Coordinate destinazione		
Nr.	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
AEC Illuminazione ITALO 1 ITALO 1 0F3 STW 4.5-2M									
1	13.19	11.88	7.95	320.39	0.00	0.00	13.19	11.88	0.00
2	42.77	10.15	7.95	0.00	0.00	0.00	42.77	10.15	0.00
3	71.48	10.06	7.95	0.00	0.00	0.00	71.48	10.06	0.00
4	96.32	9.93	7.95	31.23	0.00	0.00	96.32	9.93	0.00

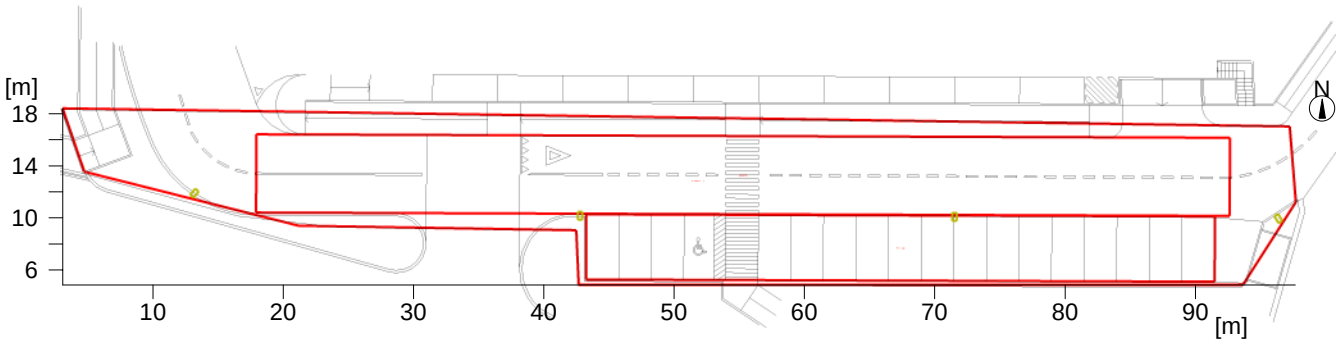
Elementi di creazione

Superficie di misurazione

						Angolo di rotazione		
Nr.	xm[m]	ym[m]	zm[m]	Lungh.	Largh.	Asse Z	Asse L	Asse Q
Sup. ut. 1.1								
	3.08	18.38	0.00	97.46	68.66	288.95	0.00	0.00
Carreggiata								
M 1	17.92	10.39	0.00	74.68	6.26	359.80	0.00	0.00
Parcheggio								
M 2	43.23	5.26	0.00	48.22	5.17	359.80	0.00	0.00

2.1 Descrizione, Impianto esterno 1

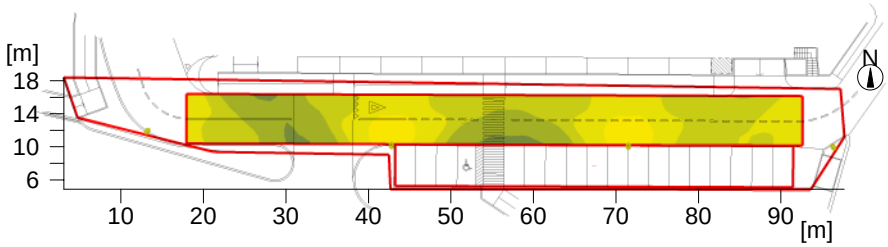
2.1.2 Pianta

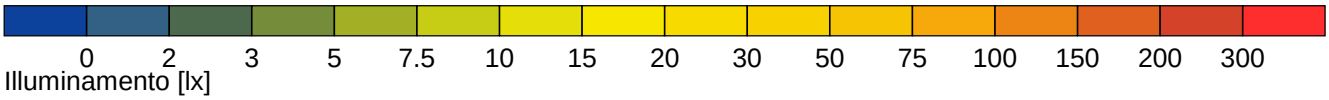


2 Impianto esterno 1

2.2 Riepilogo, Impianto esterno 1

2.2.1 Panoramica risultato, Carreggiata





Generale

Algoritmo di calcolo utilizzato:	Percentuale indiretta media
Altezza area di valutazione	0.00 m
Altezza (centro fotom.) [m]:	7.95 m
Fattore di manut.	0.80
Flusso luminoso di tutte le lampade	18280 lm
Potenza totale	158 W
Potenza totale per superficie (978.79 m²)	0.16 W/m²

Illuminamento

Illuminamento medio	Em	9.2 lx
Illuminamento minimo	Emin	4.2 lx
Illuminamento massimo	Emax	16.8 lx
Uniformità Uo	Emin/Em	1:2.21 (0.45)
Uniformità Ud	Emin/Emax	1:4.02 (0.25)

Tipo Num. Marca

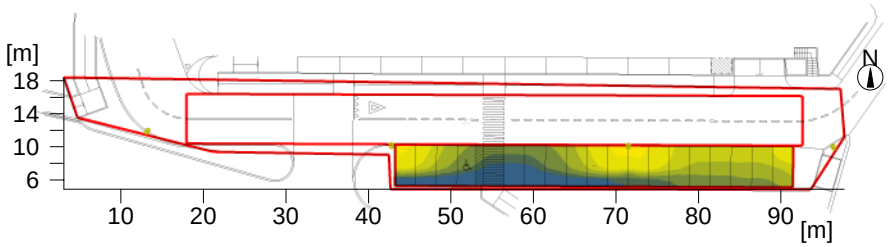
1 4

AEC Illuminazione

Codice : ITALO 1 0F3 STW 4.5-2M
Nome punto luce : ITALO 1
Sorgenti : 1 x LED 39.5 W / 4570 lm

2.2 Riepilogo, Impianto esterno 1

2.2.2 Panoramica risultato, Parcheggio



Illuminamento [lx]

Generale

Algoritmo di calcolo utilizzato:	Percentuale indiretta media
Altezza area di valutazione	0.00 m
Altezza (centro fotom.) [m]:	7.95 m
Fattore di manut.	0.80
Flusso luminoso di tutte le lampade	18280 lm
Potenza totale	158 W
Potenza totale per superficie (978.79 m²)	0.16 W/m²

Illuminamento

Illuminamento medio	Em	5.8 lx
Illuminamento minimo	Emin	0.6 lx
Illuminamento massimo	Emax	16 lx
Uniformità Uo	Emin/Em	1:9.12 (0.11)
Uniformità Ud	Emin/Emax	1:25 (0.04)

Tipo Num. Marca

1 4

AEC Illuminazione

Codice : ITALO 1 0F3 STW 4.5-2M
Nome punto luce : ITALO 1
Sorgenti : 1 x LED 39.5 W / 4570 lm

2 Impianto esterno 1

2.3 Risultati calcolo, Impianto esterno 1

2.3.1 Tabella, Carreggiata (E)

[m]																											
5.5	11.3	10.9	10.2	9.3	8.4	7.5	6.7	6.1	5.7	5.3	5	4.8	4.7	4.6	4.5	4.7	5.1	5.5	6.1	6.7	7.1	7.3	7.6	7.6	7.6	7.5	7.7	8
5.0	11.8	11.2	10.6	9.7	8.9	8.1	7.3	6.7	6.1	5.6	5.3	5	4.9	4.9	4.8	4.9	5.1	5.4	6	6.5	6.9	7.2	7.4	7.5	7.6	7.7	7.7	8
4.5	11.9	11.3	10.7	10	9.3	8.7	7.9	7.2	6.5	6	5.7	5.4	5.2	5	5	5	5	5.2	5.6	6.1	6.6	6.9	7.2	7.3	7.5	7.8	8	8.3
4.0	11.8	11.1	10.5	10	9.5	9	8.4	7.8	7.2	6.6	6.2	5.7	5.4	5.2	5.1	4.9	4.9	5	5.2	5.7	6	6.4	6.8	7.2	7.6	8	8.5	8.9
3.5	11.7	10.8	10.1	9.6	9.2	9	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.4	5.1	5	4.9	4.8	5	5.3	5.6	5.9	6.3	6.8	7.4	8.3	9	9.7
3.0	11.7	10.6	9.7	9.2	8.8	8.7	8.6	8.4	8	7.7	7.2	6.7	6.1	5.7	5.4	5.1	4.8	4.7	4.8	5.1	5.3	5.5	5.9	6.4	7.1	8.1	9.2	10.1
2.5	11.7	10.6	9.6	8.9	8.6	8.4	8.4	8.4	8.3	8.1	7.7	7.2	6.7	6.2	5.7	5.2	4.9	4.6	4.7	4.9	5	5.1	5.4	5.8	6.6	7.6	8.8	10
2.0	11.7	10.7	9.7	8.9	8.5	8.4	8.4	8.5	8.5	8.4	8.1	7.6	7.1	6.5	5.9	5.3	4.9	4.6	4.6	4.7	4.8	4.9	5.1	5.4	6	6.9	8	9.2
1.5	11.6	10.8	9.9	9.1	8.6	8.3	8.2	8.4	8.5	8.4	8.2	7.8	7.2	6.6	6	5.5	5	4.7	4.5	4.6	4.7	4.8	4.9	5.2	5.7	6.4	7.4	8.5
1.0																												
0.5																												
												10																

Illuminamento [lx]

Parte1

Altezza del piano di riferimento : 0.00 m

Illuminamento medio	Em	: 9.2 lx
Illuminamento minimo	Emin	: 4.2 lx
Illuminamento massimo	Emax	: 16.8 lx
Uniformità Uo	Emin/Em	: 1 : 2.21 (0.45)
Uniformità Ud	Emin/Emax	: 1 : 4.02 (0.25)

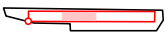
2 Impianto esterno 1

2.3 Risultati calcolo, Impianto esterno 1

2.3.1 Tabella, Carreggiata (E)

8.5	9.2	9.9	10.5	11.2	11.5	11.5	11.6	11.6	11.7	11.5	11	10.4	9.8	9.2	8.8	8.6	8.5	8.7	8.9	9	9	8.9	8.8	8.5	8.1	7.9	7.8	7.8	7.9
8.5	9.3	10	10.8	11.5	12	12	12.2	12.1	12.2	11.9	11.4	10.6	9.9	9.3	8.9	8.6	8.6	8.7	8.7	8.8	8.8	8.7	8.5	8.2	7.8	7.7	7.6	7.6	7.6
8.8	9.5	10.4	11.3	12.1	12.7	12.8	12.8	12.9	12.9	12.5	11.9	11	10.2	9.6	9.1	8.9	8.8	8.7	8.6	8.5	8.4	8.2	8	7.6	7.3	7.2	7.2	7.2	7.2
9.5	10.2	11.1	12.1	13.1	13.9	14	13.9	14	14.1	13.6	12.7	11.8	10.9	10.2	9.7	9.4	9.1	8.7	8.4	8.1	7.8	7.6	7.4	7.1	6.8	6.7	6.7	6.7	6.7
10.3	11.1	12	13.1	14.1	15	15.2	15	15.2	15.3	14.6	13.7	12.6	11.7	11	10.5	9.9	9.3	8.5	7.9	7.5	7.2	7	6.8	6.5	6.3	6.2	6.2	6.2	6.2
11	11.8	12.7	13.8	15	16	16.2	15.9	16.1	16.3	15.4	14.3	13.2	12.4	11.6	10.8	10	9.1	8.1	7.3	6.9	6.6	6.4	6.2	6	5.8	5.7	5.7	5.7	5.7
11	12	13	14.1	15.4	16.4	16.6	16.4	16.6	16.7	15.8	14.6	13.6	12.5	11.6	10.6	9.5	8.4	7.4	6.6	6.2	5.9	5.8	5.6	5.4	5.2	5.2	5.2	5.2	5.2
10.5	11.7	12.9	14.1	15.3	16.4	16.6	16.3	16.5	16.6	15.7	14.5	13.4	12.2	11	9.8	8.6	7.5	6.6	6	5.6	5.4	5.2	5.1	4.8	4.7	4.7	4.7	4.7	4.7
9.8	11.1	12.4	13.7	14.9	15.9	16.1	15.8	16.1	16.1	15.2	14.1	12.9	11.5	10.2	9	7.9	6.9	6.1	5.6	5.2	5	4.8	4.6	4.3	**(4.2)**	**(4.2)**	**(4.2)**	**(4.2)**	**(4.2)**

20 30 40



Parte2

2 Impianto esterno 1

2.3 Risultati calcolo, Impianto esterno 1

2.3.1 Tabella, Carreggiata (E)

8	8.4	8.7	8.9	9	9	8.9	8.7	8.5	8.5	8.7	9.1	9.6	10.3	10.9	11.4	11.7	11.6	11.7	11.6	11.5	11.4	10.8	10.2	9.5	8.8	8.2	7.9	7.7	7.7
7.8	8.1	8.5	8.7	8.8	8.9	8.8	8.7	8.7	8.6	8.8	9.1	9.7	10.4	11.1	11.8	12.2	12.2	12.2	12.1	12.1	11.8	11.2	10.4	9.6	8.9	8.3	8	7.9	7.9
7.3	7.6	7.9	8.2	8.4	8.5	8.6	8.6	8.8	8.8	9	9.4	10	10.8	11.6	12.3	12.9	12.9	12.9	12.8	12.8	12.4	11.7	10.8	10	9.2	8.7	8.3	8.1	8
6.8	7	7.3	7.6	7.8	8.1	8.3	8.6	8.9	9.3	9.6	10	10.7	11.5	12.4	13.3	14	14.1	13.9	14	14.1	13.5	12.6	11.7	10.7	10	9.4	9	8.6	8.3
6.2	6.4	6.7	7	7.2	7.4	7.8	8.3	9	9.7	10.3	10.9	11.5	12.3	13.3	14.3	15.1	15.4	15.1	15.2	15.4	14.7	13.7	12.6	11.7	10.9	10.4	9.8	9.2	8.5
5.7	5.9	6.2	6.4	6.5	6.8	7.2	7.8	8.7	9.7	10.6	11.4	12.1	12.9	14	15.1	16.1	16.4	16	16.1	16.3	15.6	14.4	13.3	12.5	11.7	11	10.2	9.3	8.4
5.2	5.3	5.6	5.8	5.9	6.1	6.5	7.1	8.1	9.2	10.3	11.3	12.2	13.2	14.3	15.5	16.5	**[16.8]**	16.4	16.6	**[16.8]**	16	14.9	13.8	12.8	11.9	11	10	9	8.1
4.7	4.8	5	5.2	5.3	5.5	5.9	6.4	7.2	8.3	9.4	10.7	11.8	13	14.2	15.4	16.4	**[16.8]**	16.5	16.6	**[16.8]**	16.1	14.9	13.8	12.7	11.6	10.5	9.5	8.5	7.8
(4.2)	**(4.2)**	4.5	4.8	4.9	5.1	5.4	5.9	6.6	7.6	8.7	9.9	11.2	12.5	13.8	15	16	16.4	16.1	16.3	16.5	15.7	14.7	13.5	12.3	11.1	10	9	8.3	7.7

50 60

Parte3

2 Impianto esterno 1

2.3 Risultati calcolo, Impianto esterno 1

2.3.1 Tabella, Carreggiata (E)

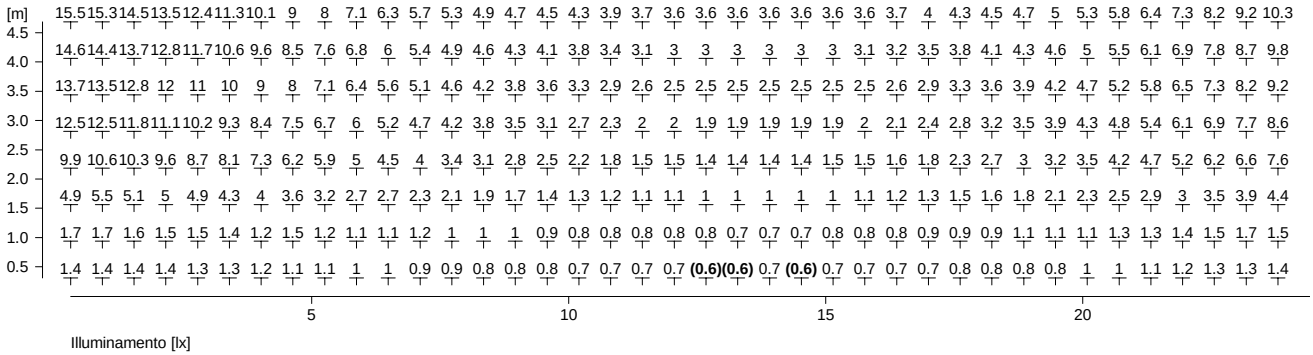
7.9	8	7.9	7.9	7.8	7.6	7.3	7.2	7.1	7.2	7.3	7.6	8	8.6	9.2	9.8	10.4	10.8	11.1
7.9	8	8.1	8.1	8	7.8	7.4	7.3	7.4	7.6	7.8	8.2	8.6	9.2	9.9	10.6	11.2	11.6	11.8
8	8.1	8.1	8	7.9	7.7	7.5	7.5	7.7	7.9	8.2	8.7	9.3	9.8	10.4	11.1	11.7	12.2	12.4
8.1	8	7.8	7.8	7.7	7.7	7.7	7.9	8.1	8.5	8.8	9.3	9.8	10.3	10.8	11.3	11.9	12.4	12.8
8	7.8	7.7	7.7	7.8	7.8	7.9	8.2	8.6	9	9.4	9.7	10	10.4	10.7	11.2	11.8	12.4	13
7.8	7.6	7.7	7.9	8.1	8.3	8.4	8.7	9	9.3	9.6	9.8	10	10.1	10.4	10.9	11.5	12.3	13.2
7.6	7.5	7.7	8	8.4	8.6	8.9	9.2	9.4	9.5	9.6	9.6	9.5	9.6	9.9	10.5	11.3	12.4	13.6
7.5	7.4	7.7	8.2	8.6	8.9	9.1	9.4	9.5	9.6	9.4	9.2	9.2	9.3	9.7	10.4	11.3	12.5	13.8
7.5	7.5	7.7	8.3	8.7	8.9	9.2	9.5	9.6	9.5	9.3	9.2	9.1	9.3	9.8	10.6	11.5	12.6	13.8

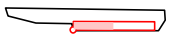
70 [m]

Parte4

2.3 Risultati calcolo, Impianto esterno 1

2.3.2 Tabella, Parcheggio (E)





Parte1

Altezza del piano di riferimento : 0.00 m

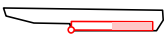
Illuminamento medio	Em	: 5.8 lx
Illuminamento minimo	Emin	: 0.6 lx
Illuminamento massimo	Emax	: 16 lx
Uniformità Uo	Emin/Em	: 1 : 9.12 (0.11)
Uniformità Ud	Emin/Emax	: 1 : 25.05 (0.04)

2.3 Risultati calcolo, Impianto esterno 1

2.3.2 Tabella, Parcheggio (E)

11.5	12.7	13.8	14.8	15.6	15.8	15.6	15.6	**[16]**	15.4	14.6	13.6	12.6	11.5	10.5	9.6	8.9	8.3	7.9	7.6	7.6	7.7	7.9	8.2	8.5	8.7	8.9	9.1	9.2	9.1	9	8.8	8.8	9	9.3	9.9	10.6	11.3	12.1
10.9	12	13.1	14	14.8	15	14.8	14.8	15.2	14.7	13.9	13	12.1	11.1	10.2	9.4	8.8	8.2	7.8	7.6	7.5	7.6	7.7	8	8.1	8.2	8.4	8.6	8.6	8.5	8.4	8.4	8.4	8.7	9.1	9.8	10.4	11.1	11.7
10.3	11.3	12.3	13.2	13.9	13.9	13.9	13.8	14.3	13.9	13.2	12.3	11.5	10.6	9.8	9.1	8.5	8	7.6	7.4	7.3	7.3	7.4	7.5	7.5	7.5	7.7	7.8	7.8	7.8	7.7	7.7	7.8	8	8.5	9.1	9.7	10.3	10.7
9.6	10.5	11.4	12.2	12.9	12.9	13	12.7	13.3	12.9	12.3	11.6	10.8	10.1	9.4	8.7	8.2	7.8	7.3	7.1	7	7	6.9	6.9	6.7	6.7	6.7	6.9	6.9	6.9	6.8	6.8	6.9	7.1	7.4	7.9	8.5	8.9	9.4
8.5	9.1	10	10.7	11	10.3	9.8	9.7	10.8	11	10.5	10.2	9.6	8.8	8.2	7.8	7.3	6.9	6.7	6.4	6.2	6.3	6.3	6.2	5.9	5.8	5.8	5.9	6	6	6	6	6	6.1	6.3	6.6	7.1	7.6	8.2
4.6	5.2	5.4	5.5	5.6	5.3	4.4	4.8	5.6	6.2	6.2	5.8	5.7	5.4	5.4	5.2	4.9	5	5	4.8	5	5	5	4.9	5	4.9	4.9	5	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.7	6.1	6.6	7.2
1.7	1.7	1.9	2	2.1	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3	3	3.3	3.2	3.6	3.7	3.8	3.9	4	4.1	4.2	4.2	4.3	4.3	4.5	4.6	4.6	4.6	4.6	4.7	4.8	5.1	5.4	5.9	6.4
1.5	1.6	1.7	1.8	1.9	1.9	2	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3	3.1	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.8	3.8	3.9	4	4.1	4.1	4.1	4.2	4.4	4.6	4.9	5.3	5.8

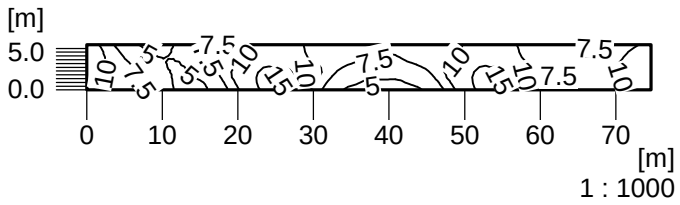
25 30 35 40 45 [m]



Parte2

2.3 Risultati calcolo, Impianto esterno 1

2.3.3 Rappresentazione isolinee, Carreggiata (E)



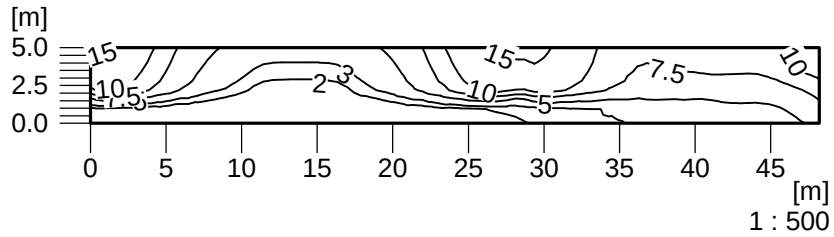
Illuminamento [lx]

Altezza del piano di riferimento : 0.00 m

Illuminamento medio	Em	: 9.2 lx
Illuminamento minimo	Emin	: 4.2 lx
Illuminamento massimo	Emax	: 16.8 lx
Uniformità Uo	Emin/Em	: 1 : 2.21 (0.45)
Uniformità Ud	Emin/Emax	: 1 : 4.02 (0.25)

2.3 Risultati calcolo, Impianto esterno 1

2.3.4 Rappresentazione isolinee, Parcheggio (E)



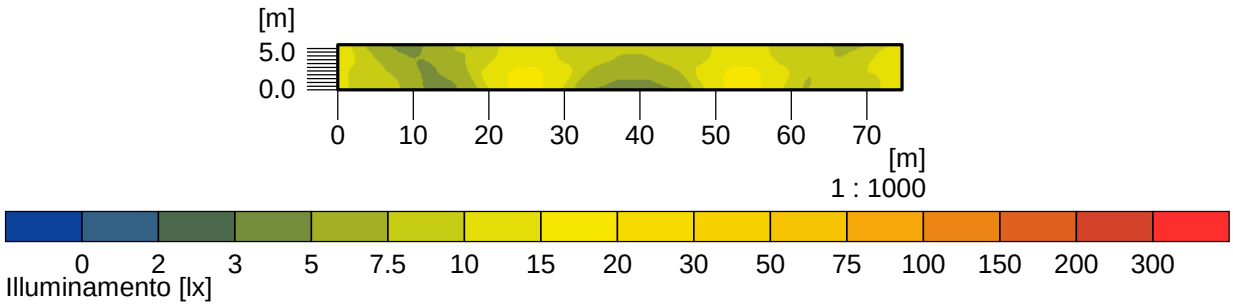
Illuminamento [lx]

Altezza del piano di riferimento : 0.00 m

Illuminamento medio	Em	: 5.8 lx
Illuminamento minimo	Emin	: 0.6 lx
Illuminamento massimo	Emax	: 16 lx
Uniformità Uo	Emin/Em	: 1 : 9.12 (0.11)
Uniformità Ud	Emin/Emax	: 1 : 25.05 (0.04)

2.3 Risultati calcolo, Impianto esterno 1

2.3.5 Falsi Colori, Carreggiata (E)

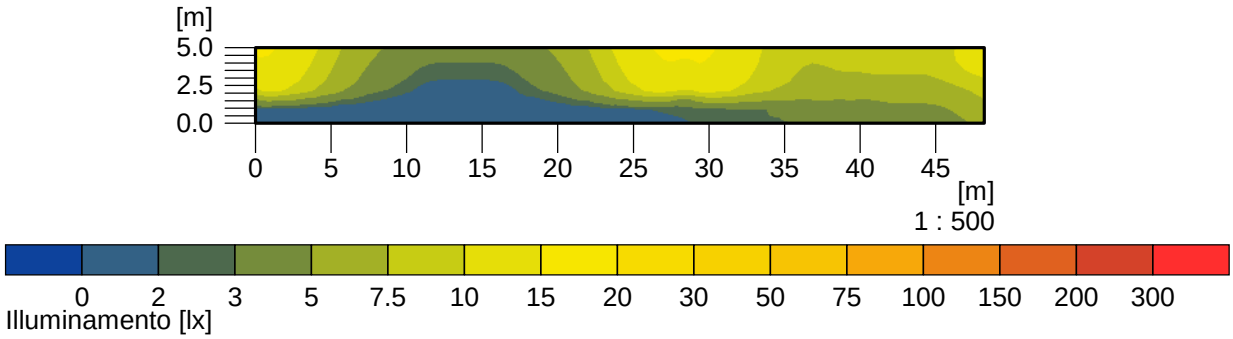


Altezza del piano di riferimento : 0.00 m

Illuminamento medio	Em	: 9.2 lx
Illuminamento minimo	Emin	: 4.2 lx
Illuminamento massimo	Emax	: 16.8 lx
Uniformità Uo	Emin/Em	: 1 : 2.21 (0.45)
Uniformità Ud	Emin/Emax	: 1 : 4.02 (0.25)

2.3 Risultati calcolo, Impianto esterno 1

2.3.6 Falsi Colori, Parcheggio (E)

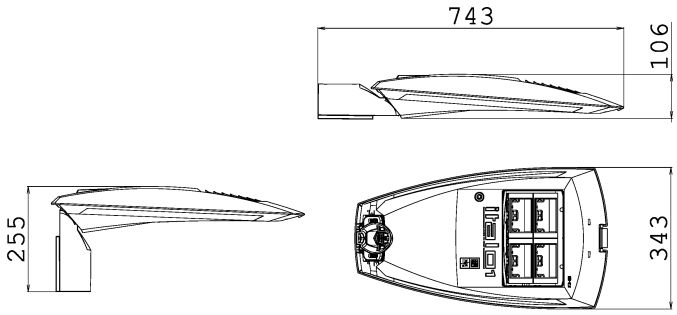


Altezza del piano di riferimento : 0.00 m

Illuminamento medio	Em	: 5.8 lx
Illuminamento minimo	Emin	: 0.6 lx
Illuminamento massimo	Emax	: 16 lx
Uniformità Uo	Emin/Em	: 1 : 9.12 (0.11)
Uniformità Ud	Emin/Emax	: 1 : 25.05 (0.04)

SCHEDE TECNICHE PRODOTTI E CERTIFICAZIONI VARIE

Scheda prodotto



ITALO 1

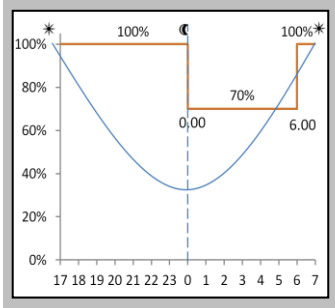
CARATTERISTICHE PRINCIPALI	
Applicazioni	Illuminazione stradale
Gruppo ottico	STE-M/S:Ottica asimmetrica per illuminazione stradale extraurbana (0F3) STU-M/S: Ottica asimmetrica per illuminazione stradale urbana e ciclopedonale. (0F2H1) STW: Ottica asimmetrica per illuminazione di strade larghe e asfalti bagnati. (0F3) SV: Ottica asimmetrica per illuminazione di svincoli autostradali o strade urbane molto strette. (0F2H1) OP-DX / SX: Ottica asimmetrica per attraversamenti pedonali. (F6) S05: Ottica asimmetrica per illuminazione stradale e urbana. (0F2H1) ASC: Ottica asimmetrica multifuoco ad emissione regolabile. (0F6) Temperatura di colore: 4000K (3000K, 5700K in opzione) | CRI ≥ 70 Classe di sicurezza fotobiologica: EXEMPT GROUP Classificazione fotometrica CIE: Semi cut-off. Classificazione fotometrica IES: Full cut-off. Efficienza sorgente LED: 151 lm/W @ 525mA, Tj=85°C, 4000K
Classe di isolamento	II, I
Grado di protezione	IP66 | IK09 Totale
Moduli LED	Gruppo ottico rimovibile in campo
Inclinazione	Testa palo: 0°, +5°, +10°, +15°, +20° | Braccio: 0°, -5°, -10°, -15°, -20°
Dimensioni	Vedere disegno.
Peso	max 6.8 kg
Superficie esposta	Laterale: 0.05m^2 – Pianta: 0.18m^2 | SCx:0.04m^2
Montaggio	Braccio o testa palo Ø60mm Ø33mm ÷ Ø60mm (in opzione) | Ø60mm ÷ Ø76mm (in opzione)
Cablaggio	Piastra cablaggio rimovibile in campo.
Temp. di esercizio	-40°C / +50°C
Temp. di stoccaggio	-40°C / +80°C
Norme di riferimento	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

IK09 IP66 EXEMPT GROUP HIGH PERFORMANCE OPTIC AEC THERMO FLOW

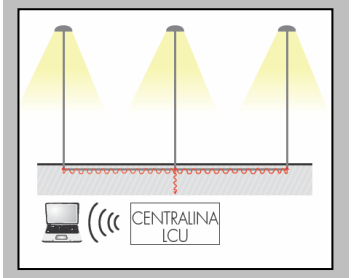
CARATTERISTICHE ELETTRICHE		
Alimentazione	220÷240V 50/60Hz *(Tolleranza standard ±10%. Altri voltaggi e tolleranze si richiesta)*	
Corrente LED	525mA , 700mA	
Fattore di potenza	>0,9 (a pieno carico, PLM) >0,95 (a pieno carico, F, DA, DAC)	
Sezionatore	Incluso, con ferma cavo integrato	
Connessione rete	Per cavi sezione max. 4mm^2	
Dispositivo di protezione surge	SPD integrato 10kV-10kA, type II, completo di LED di segnalazione e termofusibile per disconnessione del carico a fine vita.	
Sistema di controllo (opzioni)	F: Fisso non dimmerabile. (Versione base) DA: Dimmerazione automatica (mezzanotte virtuale) con profilo di default. DAC: Profilo DA custom. PLM: Sistema di comunicazione punto/punto ad onde convogliate. WL: Sistema di comunicazione punto/punto ad onde radio.	
Vita gruppo ottico (Tq=25°C)	525mA	700mA
	≥100.000hr L80B10 (inclusi guasti critici) >100.000hr L80, TM-21	≥60.000hr L80B10 (inclusi guasti critici) >100.000hr L80, TM-21

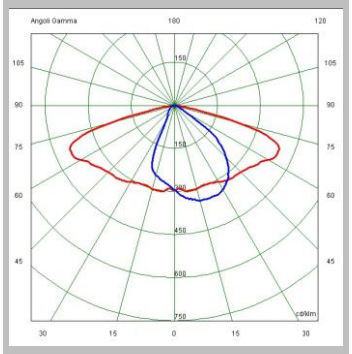
MATERIALI	
Attacco	Alluminio pressofuso UNI EN1706. Verniciato a polveri.
Dissipatore	
Telaio	
Copertura	
Gancio di chiusura	Alluminio estruso con molla in acciaio inox.
Gruppo ottico	Alluminio 99.85% con finitura superficiale realizzata con deposizione sotto vuoto 99.95%. (Alluminio classe A+ DIN EN 16268)
Schermo	Vetro piano temperato sp. 4mm elevata trasparenza.
Pressacavo	Plastico M20x1.5 - IP68
Guarnizione	Poliuretanica
Colore	Grigio satinato semilucido. Cod. 2B

Profilo DA



PLM





Ottica STU-M

Tutti i dati fotometrici pubblicati sono stati rilevati in conformità alle norme UNI EN 13032-1 e IES LM 79-08

Scheda prodotto

APPARECCHIO	Corrente LED (mA)	OTTICA	FLUSSO APPARECCHIO[1] (Tq=25°C, 4000K, lm)	POTENZA APPARECCHIO[1] (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	EFFICIENZA APPARECCHIO (Tq=25°C, lm/W)	FLUSSO NOMINALE LED[2] (Tj=85°C, 4000K, lm)	POTENZA NOMINALE LED[2] (Tj=85°C, W)
ITALO 1 0F2H1 4.5-1M	525	STU-S STU-M SV S05	1520	14,5	105	1841	12
ITALO 1 0F2H1 4.5-2M			3290	31	106	3879	26
ITALO 1 0F2H1 4.5-3M			4930	44,5	111	5818	39
ITALO 1 0F2H1 4.5-4M			6510	57	114	7758	52
ITALO 1 0F2H1 4.7-1M	700	STU-S STU-M SV S05	2090	21	100	2455	17
ITALO 1 0F2H1 4.7-2M			4160	40,5	103	4910	35
ITALO 1 0F2H1 4.7-3M			6210	58	107	7365	52
ITALO 1 0F2H1 4.7-4M			8210	76	108	9820	70
ITALO 1 0F3 4.5-1M	525	STE-S STE-M STW	2010	19	106	2475	16
ITALO 1 0F3 4.5-2M			4570	39,5	116	5214	34
ITALO 1 0F3 4.5-3M			6790	58	117	7821	52
ITALO 1 0F3 4.5-4M			9030	75	120	10428	69
ITALO 1 0F3 4.7-1M	700	STE-S STE-M STW	2800	27	104	3300	23
ITALO 1 0F3 4.7-2M			5730	52	110	6600	47
ITALO 1 0F3 4.7-3M			8490	76	112	9900	70
ITALO 1 0F3 4.7-4M			11270	102	110	13200	93
ITALO 1 0F6 4.5-1M	525	OP-DX OP-SX	4570	39,5	116	4950	33
ITALO 1 0F6 4.5-2M			9030	75	120	10428	69
ITALO 1 0F6 4.7-1M	700	OP-DX OP-SX	5730	52	110	6600	47
ITALO 1 0F6 4.7-2M			11270	102	110	13200	93

APPARECCHIO	Corrente LED (mA)	OTTICA	FLUSSO APPARECCHIO[1] (Tq=25°C, 4000K, lm)	POTENZA APPARECCHIO[1] (Tq=25°C, Vin=230Vac, F / DA / DAC, W)	EFFICIENZA APPARECCHIO (Tq=25°C, lm/W)	FLUSSO NOMINALE LED[2] (Tj=85°C, 4000K, lm)	POTENZA NOMINALE LED[2] (Tj=85°C, W)
ITALO 1 0F6 4.5-1M	525	ASC-4W	4590	39,5	116	5214	34
ITALO 1 0F6 4.5-2M			9210	75	123	10428	69
ITALO 1 0F6 4.5-1M	525	ASC-5W	4570	39,5	116	5214	34
ITALO 1 0F6 4.5-2M			9170	75	122	10428	69
ITALO 1 0F6 4.5-1M	525	ASC-6W	4520	39,5	114	5214	34
ITALO 1 0F6 4.5-2M			9080	75	121	10428	69
ITALO 1 0F6 4.5-1M	525	ASC-7W	4480	39,5	113	5214	34
ITALO 1 0F6 4.5-2M			8990	75	120	10428	69
ITALO 1 0F6 4.7-1M	700	ASC-4W	5750	52	111	6600	47
ITALO 1 0F6 4.7-2M			11510	102	113	13200	93
ITALO 1 0F6 4.7-1M	700	ASC-5W	5720	52	110	6600	47
ITALO 1 0F6 4.7-2M			11450	102	112	13200	93
ITALO 1 0F6 4.7-1M	700	ASC-6W	5670	52	109	6600	47
ITALO 1 0F6 4.7-2M			11340	102	111	13200	93
ITALO 1 0F6 4.7-1M	700	ASC-7W	5610	52	108	6600	47
ITALO 1 0F6 4.7-2M			11230	102	110	13200	93

Nella tabella sopra riportata sono indicati i dati di potenza e flusso luminoso delle versioni disponibili. Tali parametri sono fondamentali per una corretta comparazione delle performance degli apparecchi. In particolare l'efficienza dell'apparecchio (espressa in lm/W) deve essere calcolata come il rapporto tra il flusso luminoso dell'apparecchio in uscita e la potenza assorbita dall'alimentatore in ingresso. Per completezza si riportano anche i dati nominali del flusso e della potenza dei LED utilizzati. I dati riportati in questa scheda tecnica rispondono ai requisiti della scheda AIDI disponibile su richiesta per ogni tipologia di apparecchio.

Nota: 1: Dati nominali rilevati in laboratorio. | 2: Dati nominali estrapolati da datasheet costruttore LED.

Moltiplicatore per ottenere il flusso e la potenza in funzione di Tq		
Tq (°C)	Moltiplicatore flusso	Moltiplicatore potenza
50	0,94	0,99
40	0,96	-
25	1	1
15	1,02	-
5	1,05	-
0	1,05	1,01

Moltiplicatore per ottenere il flusso e la potenza in funzione Tk		
Tk (K)	Moltiplicatore flusso	Moltiplicatore potenza
3000	0,93	1,01
4000	1	1
5700	1	1,01

Le caratteristiche del prodotto elencate sono soggette a variazioni e dovranno essere confermate in fase di ordine.
I valori indicati in questa scheda tecnica sono da considerarsi valori nominali con una tolleranza del +/-5%.
Al fine di favorire un costante aggiornamento dei propri prodotti, AEC si riserva il diritto di apportare modifiche senza preavviso.

Scheda prodotto

APPARECCHIO	Corrente LED (mA)	OTTICA	INRUSH CURRENT Duration 50%pk (µs)	INRUSH CURRENT Peak (A)	MCB B-Type 10A / 16A / 25A	PROTEZIONE SOVRATENSIONI CL.I (CM / DM, kV)	PROTEZIONE SOVRATENSIONI CL.II (CM / DM, kV)
ITALO 1 0F2H1 4.5-1M	525	STU-S STU-M SV	150	27	20 / 32 / 40	10 / 10	7 / 10
ITALO 1 0F2H1 4.5-2M			180	45	10 / 20 / 30	10 / 10	9 / 10
ITALO 1 0F2H1 4.5-3M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F2H1 4.5-4M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F2H1 4.7-1M	700	STU-S STU-M SV	150	27	20 / 32 / 40	10 / 10	7 / 10
ITALO 1 0F2H1 4.7-2M			180	45	10 / 20 / 30	10 / 10	9 / 10
ITALO 1 0F2H1 4.7-3M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F2H1 4.7-4M			210	57	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.5-1M	525	STE-S STE-M STW	150	27	20 / 32 / 40	10 / 10	7 / 10
ITALO 1 0F3 4.5-2M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.5-3M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.5-4M			330	40	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.7-1M	700	STE-S STE-M STW	150	27	20 / 32 / 40	10 / 10	7 /10
ITALO 1 0F3 4.7-2M			200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.7-3M			210	57	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F3 4.7-4M			360	58	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F6 4.5-1M	525	OP-DX OP-SX	200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F6 4.5-2M			330	40	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F6 4.7-1M	700	OP-DX OP-SX	200	53	7 / 12 / 21	10 / 10	9 / 10
ITALO 1 0F6 4.7-2M			360	58	7 / 12 / 21	10 / 10	9 / 10

NOTA 1: Il numero di apparecchi sotto un MCB trifase è calcolato moltiplicando per 3 il numero nella tabella. Questi valori si basano sui dati dichiarati dal produttore degli alimentatori e testati su caso peggiore del modello MCB. Un limitatore di corrente di spunto (ad esempio Finder SSR 77.11.x.xxx.8250 (15A) o 77.31.x.xxx.8050 modello (30A)) può migliorare il numero massimo di apparecchi sotto il MCB

NOTA 2: produttore degli alimentatori non ha mai fatto valutazioni su 50A o 63A MCB. Quindi non possiamo dichiarare nulla sull'utilizzo di MCB superiore a 25A.

Indice di prestazione degli apparecchi di illuminazione

IPEA

DATI APPARECCHIO LED

Produttore:	AEC Illuminazione S.r.l.	
Apparecchio:	ITALO 1 0F3 STW 4.5-2M	
Tc:	4000	K
CRI:	≥70	
Flusso apparecchio:	4570	lm
Potenza apparecchio:	39,5	W
Efficienza apparecchio:	116	lm/W

A++	IPEA > 1.15
A+	1.10 < IPEA < 1.15
A	1.05< IPEA < 1.10
B	1.00 < IPEA < 1.05
C	0.93 < IPEA < 1.00
D	0.84 < IPEA < 0.93
E	0.75 < IPEA < 0.84
F	0.65 < IPEA < 0.75
G	IPEA < 0.65

CLASSIFICAZIONE ENERGETICA

Illuminazione stradale e di grandi aree	**IPEA = 1,93**	**A++**
Illuminazione di percorsi ciclopedonali	**IPEA = 2,32**	**A++**
Illuminazione di aree verdi e parchi	**IPEA = 2,37**	**A++**
Illuminazione di centri storici con corpi illuminanti artistici	**IPEA = 2,27**	**A++**

Photometric Test Report

Costruttore	AEC ILLUMINAZIONE SRL
Tipo di prodotto	Outdoor Lighting Luminaire
Codice fotometria	ITALO 1 0F3 STW 4.5-2M
Codice apparecchio	ITALO 1 0F3 STW 4.5-2M
Rilievo fotometrico	AEC14266
Descrizione apparecchio	ITALO 1 0F3 STW 4.5-2M
Data delle prove	24/11/2015

Foto del prodotto

Responsabile laboratorio fotometrico	Luca Vagheggi	
Tecnico laboratorio che ha eseguito la misura	Alessio Vagheggi	

AEC testing laboratory is recognized by UL for photometric testing in accordance with the following standards: UNI EN 13032-1:2012 Measurement and presentation of photometric data of lamps and luminaires Part1: Measurement and file format, UNI 11356:2010 Caratterizzazione fotometrica degli apparecchi di Illuminazione a LED, IES LM-79-08 "Electrical and Photometric Measurement s of Solid-State Lighting Products sec.9, 9.1, 9.2, 12, 12.1 "(Test method for total luminous flux and colour quantities measurement).

Photometric Test Report

Sommario e Allegati

Sommario	**Dati apparecchio**	
	Normative di riferimento	
	Procedure di riferimento	
	Condizioni di prova	
	Risultati fotometrici	
	Lista strumentazione	
	Incertezza strumentale	
Allegati	**Dati Generali**	**X**
	Tabella fotometrica delle Intensità (cd/Klm)	**X**
	Tabella fotometrica delle Intensità (cd)	
	Diagramma Polare	
	Diagramma Cartesiano	
	Valutazione UGR	
	Diagramma Sollner Abbagliamento	
	Flusso Zonale	
	Coefficienti di Utilizzazione	
	Isolux Unitario	
	Isocandele Percentuale	
	Tabella e Diagramma Luminanza	
	Classificazione Strade	
	Classificazione Strade IES TM-15	

AEC testing laboratory is recognized by UL for photometric testing in accordance with the following standards: UNI EN 13032-1:2012 Measurement and presentation of photometric data of lamps and luminaires Part1: Measurement and file format, UNI 11356:2010 Caratterizzazione fotometrica degli apparecchi di Illuminazione a LED, IES LM-79-08 "Electrical and Photometric Measurement s of Solid-State Lighting Products sec.9, 9.1, 9.2, 12, 12.1 "(Test method for total luminous flux and colour quantities measurement).

Photometric Test Report

DATI APPARECCHIO

Geometria apparecchio	Rettangolare		
Dimensioni apparecchio (mm)	**Lunghezza / Diametro**	**Larghezza**	**Altezza**
	615	343	106
Dimensioni area luminosa (mm)	**Lunghezza / Diametro**	**Larghezza**	**Altezza C0**
	60	220	0
	Altezza C90	**Altezza C180**	**Altezza C270**
	0	0	0
Tipo sorgente	LED		
Modello sorgente	Luxeon-M		
Tipo Alimentatore	Electronic		
Modello Alimentatore	Osram OT		

NORMATIVE DI RIFERIMENTO

Normative di riferimento	UNI EN 13032-1:2012 UNI 11356:2010 IES LM-79-08
Valutazione luce parassita	In accordo con Annex A UNI EN 13032-1

PROCEDURE DI RIFERIMENTO

Procedure di riferimento	I-QL-009

AEC testing laboratory is recognized by UL for photometric testing in accordance with the following standards: UNI EN 13032-1:2012 Measurement and presentation of photometric data of lamps and luminaires Part1: Measurement and file format, UNI 11356:2010 Caratterizzazione fotometrica degli apparecchi di Illuminazione a LED, IES LM-79-08 "Electrical and Photometric Measurement s of Solid-State Lighting Products sec.9, 9.1, 9.2, 12, 12.1 "(Test method for total luminous flux and colour quantities measurement).

Photometric Test Report

CONDIZIONI DI PROVA

Laboratorio fotometrico	Interno AEC ILLUMINAZIONE srl, in regime di sistema di qualità aziendale certificato ISO 9001:2008, autorizzato UL	
Condizioni Ambientali	**Temperatura ambiente °C**	25 ± 1
	Umidità relativa (°RH)	< 60
	Movimento aria (m/s)	< 0,2
Condizioni Elettriche	**Tensione di alimentazione**	230V AC ± 0,2%
	Frequenza di alimentazione	50 Hz ± 0,1%
	Distorsione armonica THD V	< 0,5%
Condizioni Preliminari Prova	**Metodo di misura**	Goniofotometro Sfera-spettroradiometro
	Sistema di riferimento misura	Sistema C-γ
	Posizione di misura	Verticale (Gonio) Orizzontale (Sfera)
	Distanza di misura (m)	9,03
	Tempo di stabilizzazione (min)	60
	Instabilità sorgente	< 0,5%

Photometric Test Report

RISULTATI FOTOMETRICI

Tipo di misura fotometrica	Assoluta
LOR	100.0
Flusso luminoso apparecchio (lm)	4570
Potenza ingresso apparecchio (W)	39.0
Efficienza apparecchio (lm/W)	117
Note e commenti	

LISTA STRUMENTAZIONE

CODICE AEC	STRUMENTO	COSTRUTTORE	MODELLO
Q129	Luxmetro	Czibula&Grundmann	100310
Q130	Goniofotometro	Oxytech	T2
Q131	Termoigrometro	Delta Ohm	HD2001
Q132	Wattmetro	N4L	PPA2510
Q135	Stabilizzatore	Elettrotest	TPS/M/9KW
Q190	Sfera Integratrice	Labsphere	LMS65
Q195	Spettroradiometro	Labsphere	CDS610

INCERTEZZA STRUMENTALE

Encoder goniofotometro Oxytech T2	Precisione angolare in C – gamma	± 0.044°
Luxmetro C&G	f1’	< 1.23%
Spettroradiometro	Incertezza lunghezza d’onda	< 0.5nm
	Incertezza coordinate cromatiche	± 0.003
Wattmetro Kinetiq N4L PPA2510	Accuratezza di potenza	< [0.05% + 0.03%/pf +(0.01%/kHz)/pf] Rdg + 0.05%VA Rng

Apparecchio		**Rilievo**		**Lampada**	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Apparecchio Rettangolare	Lung.	615 mm	Larg.	343 mm	Alt.	106 mm
Area Luminosa Rettangolare	Lung.	60 mm	Larg.	220 mm	Alt.	0 mm

Area Luminosa Orizzontale	0.013200 m2	Area Luminosa Piano 180°	0.000000 m2
Area Luminosa Piano 0°	0.000000 m2	Area Luminosa Piano 270°	0.000000 m2
Area Luminosa Piano 90°	0.000000 m2	Area Luminosa a 76°	0.003193 m2

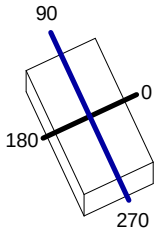
Sistema Coordinate	CG	Tipo di Simmetria	Asimmetrico
Data	24-11-2015	Massimo Angolo Gamma	180

Lampade Apparecchio

Archivio	Codice	Nome	Flusso [lm]	Pot. [W]	Q.tà
	L-IT1-0F3-4000-525-2M	L-IT1-0F3-4000-525-2M	4570.00	39.50	1

C.I.E.	38 76 97 100 100	D DIN 5040	A20
F UTE	1.00 E	B NBN	BZ 6 / 0.8 / BZ 5

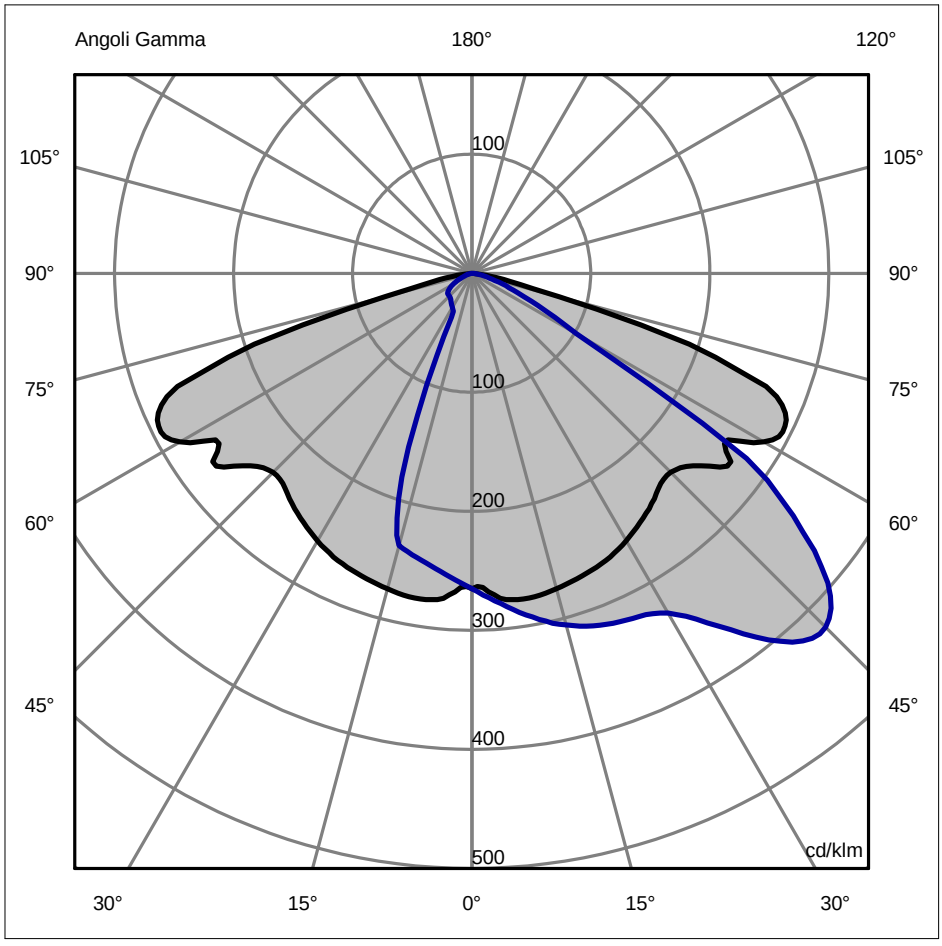
615mm x 343mm



Semipiani C

180.0 — 0.0

270.0 — 90.0



ULOR	0.00 %
DLOR	100.00 %
RN	0.00 %

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 1/18**

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	263.15	264.55	265.90	264.67	266.08	264.89	266.34	264.78	266.84	265.21	267.50	265.73	267.75
G 2.0	264.05	264.77	266.24	265.51	266.94	266.35	267.74	267.11	267.93	267.33	268.17	267.41	268.25
G 3.0	267.87	264.28	265.22	265.22	266.24	266.08	267.66	267.24	269.63	269.05	271.40	270.66	271.39
G 4.0	270.61	267.03	267.78	268.60	268.93	269.80	270.32	270.82	271.25	271.05	272.16	271.93	274.35
G 5.0	274.03	271.09	271.57	273.17	272.93	274.18	274.34	274.64	275.59	275.75	275.65	275.23	275.88
G 6.0	275.56	274.07	275.01	276.39	277.46	278.35	279.43	280.29	279.59	279.08	280.08	279.43	278.84
G 7.0	276.13	277.12	278.50	280.08	280.63	282.33	282.53	283.08	284.83	284.82	284.09	283.51	283.71
G 8.0	276.73	278.08	280.58	281.80	283.76	284.90	287.28	287.46	288.27	288.28	289.73	288.00	287.29
G 9.0	276.93	278.88	281.81	283.26	285.72	287.35	289.79	290.55	292.63	293.07	292.91	292.90	291.74
G 10.0	276.98	279.68	282.91	284.54	287.62	289.37	291.86	293.34	295.77	296.65	297.54	296.43	297.14
G 11.0	276.71	279.91	283.43	285.62	288.95	291.21	294.25	295.86	298.75	299.78	301.50	301.27	300.62
G 12.0	276.34	279.89	283.87	286.33	290.21	292.62	296.24	298.11	301.58	302.51	305.09	305.32	304.57
G 13.0	275.78	279.72	284.03	286.85	291.24	293.78	297.97	300.00	304.09	305.46	308.61	308.48	309.51
G 14.0	275.06	279.32	284.01	287.14	291.81	294.71	299.32	301.69	306.35	307.99	311.32	312.00	313.31
G 15.0	274.34	279.05	283.84	287.36	292.19	295.53	300.42	303.32	308.39	310.50	314.00	315.25	316.74
G 16.0	273.61	278.53	283.66	287.37	292.57	296.26	301.54	304.56	309.96	312.28	316.54	317.93	319.82
G 17.0	272.81	278.09	283.57	287.51	293.09	296.88	302.54	305.77	311.33	314.14	318.77	319.90	322.49
G 18.0	272.15	277.45	283.45	287.64	293.49	297.52	303.34	306.78	312.97	315.59	320.61	321.80	325.00
G 19.0	271.41	277.09	283.31	287.81	294.06	298.20	304.31	307.88	314.15	316.78	322.05	323.48	327.22
G 20.0	270.58	276.61	283.28	288.16	294.58	299.14	305.34	308.89	315.32	318.06	323.52	325.06	328.98
G 21.0	269.77	276.14	283.28	288.61	295.30	300.05	306.38	309.94	316.16	319.01	324.61	326.26	330.29
G 22.0	268.91	275.73	283.28	289.15	296.08	301.08	307.53	311.05	317.23	319.90	325.50	327.10	331.48
G 23.0	268.18	275.25	283.51	289.73	297.10	302.45	308.76	312.27	318.12	320.62	326.37	327.86	332.43
G 24.0	267.08	275.04	283.66	290.32	298.27	304.02	310.34	313.41	319.09	321.30	326.93	328.26	332.83
G 25.0	266.10	274.33	283.79	291.19	299.48	305.77	311.90	314.64	319.92	321.83	327.40	328.67	333.25
G 26.0	265.05	273.98	283.81	292.29	301.19	307.88	313.74	316.13	320.91	322.42	327.72	329.02	333.67
G 27.0	263.57	273.27	284.07	293.40	303.04	309.90	315.61	317.47	321.73	322.82	327.87	328.92	333.65
G 28.0	262.26	272.61	284.31	294.75	305.03	312.46	317.63	318.87	322.52	323.20	328.01	328.74	333.58
G 29.0	260.93	271.98	284.58	296.21	307.45	315.20	320.09	320.58	323.39	323.50	328.02	328.65	333.41
G 30.0	259.41	271.02	284.77	297.61	310.26	318.34	322.88	322.05	324.05	323.61	327.81	328.44	333.51
G 31.0	257.66	269.95	285.00	299.68	313.45	322.20	325.55	323.98	324.67	323.61	327.79	328.29	333.87
G 32.0	255.97	268.96	285.17	301.75	316.94	325.94	328.70	325.65	325.34	323.69	327.59	328.76	334.82
G 33.0	254.31	267.80	285.28	304.13	320.77	329.60	331.90	327.53	325.74	323.65	327.57	329.64	336.62
G 34.0	252.53	266.77	285.25	306.19	324.73	333.99	335.15	329.22	326.15	323.78	327.96	331.25	339.70
G 35.0	250.99	265.30	285.16	308.55	329.11	337.84	338.88	331.02	326.58	324.18	329.03	333.89	344.06
G 36.0	249.11	264.03	284.85	311.06	333.35	342.04	342.37	332.81	327.23	325.04	330.83	337.84	349.40
G 37.0	247.46	262.53	284.51	313.27	337.67	346.25	346.05	334.31	328.18	326.66	333.60	342.87	355.50
G 38.0	245.38	260.96	284.37	315.66	341.47	350.74	349.78	336.07	329.54	328.85	337.17	348.83	363.04
G 39.0	243.56	259.42	283.60	317.64	345.31	356.00	353.56	338.29	331.43	332.00	342.25	355.83	371.99
G 40.0	241.07	257.33	282.70	319.24	349.26	360.28	357.46	341.12	334.67	336.69	348.83	364.33	381.41
G 41.0	239.02	255.58	281.75	320.21	352.53	365.04	361.47	345.41	338.70	342.76	355.97	373.49	390.86
G 42.0	237.43	253.56	280.21	320.26	354.91	370.06	366.01	350.37	345.06	350.53	364.58	384.49	400.22
G 43.0	236.33	251.90	278.88	319.97	356.63	375.32	371.37	356.81	352.91	360.12	375.13	395.63	409.64
G 44.0	235.79	251.20	278.54	319.91	358.50	380.23	378.14	366.33	362.38	370.85	387.14	407.37	418.55
G 45.0	236.41	251.56	279.14	321.10	361.05	386.36	387.39	377.72	374.45	382.93	402.05	419.38	427.33
G 46.0	237.69	253.00	281.66	323.84	364.91	393.14	398.62	392.07	389.81	398.70	418.27	429.95	433.76
G 47.0	239.59	255.79	285.16	329.74	371.92	403.98	412.42	410.84	406.53	419.47	434.95	440.21	438.15
G 48.0	242.46	259.50	290.62	336.77	380.92	416.87	428.33	432.37	426.55	439.41	449.96	447.84	439.86
G 49.0	246.38	264.86	297.86	345.75	393.92	433.08	446.95	455.48	448.62	462.25	462.49	452.12	438.10
G 50.0	251.34	270.76	305.55	357.15	406.74	453.93	472.53	481.01	476.40	478.93	473.19	453.44	432.31
G 51.0	257.28	278.91	317.52	368.26	426.28	479.78	503.11	515.18	506.78	496.68	480.49	449.97	422.66
G 52.0	264.42	289.44	329.18	384.31	445.10	505.87	536.95	551.57	533.68	511.23	484.92	439.95	411.74
G 53.0	268.89	299.08	343.83	401.91	467.91	538.42	576.32	589.05	559.42	524.01	484.69	426.37	397.40
G 54.0	269.05	309.56	360.55	421.17	491.70	566.70	611.17	627.43	584.52	533.28	478.88	411.63	383.35
G 55.0	260.80	315.60	371.97	439.14	517.26	603.30	651.21	659.50	607.66	537.39	466.86	395.95	367.59
G 56.0	256.13	313.14	381.48	454.18	544.14	640.56	691.73	689.66	626.80	534.64	450.52	377.01	348.80
G 57.0	256.65	314.27	383.85	461.72	565.88	674.78	726.66	715.28	637.37	523.71	432.23	360.94	327.92
G 58.0	265.91	321.34	392.86	471.32	581.28	702.88	756.05	732.73	637.03	503.42	407.39	335.65	308.22
G 59.0	276.03	337.01	408.09	487.74	596.00	717.76	771.90	737.43	623.72	475.73	381.44	310.42	283.89
G 60.0	283.25	351.64	427.80	512.30	615.41	725.44	770.90	727.80	599.80	440.54	351.89	283.13	252.86
G 61.0	288.69	364.63	447.10	535.02	639.02	730.18	757.40	702.32	569.56	402.68	317.63	251.67	199.20
G 62.0	292.02	373.97	464.34	554.48	662.07	733.38	735.15	653.36	518.08	363.23	282.46	203.69	143.23
G 63.0	293.23	380.82	477.04	570.93	676.88	729.89	716.24	603.43	457.86	316.99	243.55	144.25	105.08
G 64.0	292.71	384.40	486.87	582.97	683.08	717.92	688.99	544.77	386.90	272.01	188.43	106.07	93.03
G 65.0	291.39	385.92	492.89	590.31	682.27	700.23	652.18	495.61	323.47	212.99	133.25	91.03	81.81
G 66.0	288.21	386.01	495.18	592.35	672.21	675.29	614.29	435.79	275.17	150.35	97.96	78.93	73.54
G 67.0	283.16	384.41	494.35	588.53	656.63	640.45	566.42	383.56	223.07	111.06	83.70	70.46	64.28
G 68.0	276.19	380.59	490.60	578.64	632.41	606.42	517.26	335.43	178.76	89.55	70.74	61.53	56.71
G 69.0	264.90	374.24	482.95	562.50	610.84	565.02	469.34	282.93	135.54	72.89	60.86	53.76	49.96
G 70.0	238.80	365.23	471.52	541.82	571.60	520.76	415.93	229.35	105.99	60.55	52.48	47.53	44.55
G 71.0	216.51	336.02	455.88	512.74	535.55	477.35	367.76	180.41	84.55	50.16	45.70	41.87	39.92
G 72.0	192.15	311.79	414.46	465.96	489.64	428.57	310.88	142.74	64.33	43.35	40.20	37.12	35.22

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 2/18**

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	266.02	267.62	266.94	267.46	267.60	267.47	267.60	267.46	266.94	267.62	266.02	267.75	265.73
G 2.0	267.11	268.41	268.10	269.37	269.79	270.44	269.79	269.37	268.10	268.41	267.11	268.25	267.41
G 3.0	270.41	270.59	270.23	271.17	272.14	272.91	272.14	271.17	270.23	270.59	270.41	271.39	270.66
G 4.0	273.80	273.87	273.34	273.16	274.71	275.84	274.71	273.16	273.34	273.87	273.80	274.35	271.93
G 5.0	275.97	277.31	276.63	276.08	277.12	278.46	277.12	276.08	276.63	277.31	275.97	275.88	275.23
G 6.0	278.01	280.08	280.24	278.80	279.70	281.52	279.70	278.80	280.24	280.08	278.01	278.84	279.43
G 7.0	282.47	281.96	283.03	282.35	282.48	284.57	282.48	282.35	283.03	281.96	282.47	283.71	283.51
G 8.0	286.44	285.52	285.55	286.03	285.43	287.59	285.43	286.03	285.55	285.52	286.44	287.29	288.00
G 9.0	290.40	289.55	288.31	289.42	288.68	290.62	288.68	289.42	288.31	289.55	290.40	291.74	292.90
G 10.0	294.28	293.94	291.51	292.79	291.50	293.00	291.50	292.79	291.51	293.94	294.28	297.14	296.43
G 11.0	299.43	297.40	295.52	295.37	294.38	296.12	294.38	295.37	295.52	297.40	299.43	300.62	301.27
G 12.0	303.32	301.12	299.33	297.77	297.10	298.69	297.10	297.77	299.33	301.12	303.32	304.57	305.32
G 13.0	306.92	305.51	302.80	300.55	299.86	301.67	299.86	300.55	302.80	305.51	306.92	309.51	308.48
G 14.0	310.80	310.19	306.27	303.12	302.65	303.75	302.65	303.12	306.27	310.19	310.80	313.31	312.00
G 15.0	315.17	313.42	309.57	305.99	305.37	305.66	305.37	305.99	309.57	313.42	315.17	316.74	315.25
G 16.0	318.41	316.65	312.36	308.73	307.64	307.82	307.64	308.73	312.36	316.65	318.41	319.82	317.93
G 17.0	321.43	319.67	315.62	311.30	309.97	309.99	309.97	311.30	315.62	319.67	321.43	322.49	319.90
G 18.0	324.04	323.22	318.86	314.27	311.83	311.69	311.83	314.27	318.86	323.22	324.04	325.00	321.80
G 19.0	326.12	326.18	321.17	316.62	313.50	313.15	313.50	316.62	321.17	326.18	326.12	327.22	323.48
G 20.0	328.37	328.65	323.28	318.50	314.87	314.49	314.87	318.50	323.28	328.65	328.37	328.98	325.06
G 21.0	329.73	330.34	325.15	320.32	316.10	315.85	316.10	320.32	325.15	330.34	329.73	330.29	326.26
G 22.0	330.86	331.99	326.88	321.89	317.03	316.92	317.03	321.89	326.88	331.99	330.86	331.48	327.10
G 23.0	331.75	333.02	328.26	323.21	317.84	317.88	317.84	323.21	328.26	333.02	331.75	332.43	327.86
G 24.0	332.39	334.03	329.46	324.48	318.63	318.89	318.63	324.48	329.46	334.03	332.39	332.83	328.26
G 25.0	332.91	334.59	330.21	325.27	319.39	319.80	319.39	325.27	330.21	334.59	332.91	333.25	328.67
G 26.0	333.02	334.84	330.59	326.06	320.43	320.65	320.43	326.06	330.59	334.84	333.02	333.67	329.02
G 27.0	332.96	335.16	331.19	326.68	321.44	321.90	321.44	326.68	331.19	335.16	332.96	333.65	328.92
G 28.0	333.19	335.40	331.75	327.69	323.14	323.82	323.14	327.69	331.75	335.40	333.19	333.58	328.74
G 29.0	333.47	336.19	333.03	329.03	325.66	326.19	325.66	329.03	333.03	336.19	333.47	333.41	328.65
G 30.0	334.15	337.54	335.46	331.47	328.42	329.61	328.42	331.47	335.46	337.54	334.15	333.51	328.44
G 31.0	335.97	339.90	338.74	335.03	333.40	334.30	333.40	335.03	338.74	339.90	335.97	333.87	328.29
G 32.0	338.34	343.34	343.59	339.84	338.57	339.68	338.57	339.84	343.59	343.34	338.34	334.82	328.76
G 33.0	341.86	348.23	349.62	345.40	344.98	346.19	344.98	345.40	349.62	348.23	341.86	336.62	329.64
G 34.0	346.67	353.77	356.14	352.38	351.55	354.28	351.55	352.38	356.14	353.77	346.67	339.70	331.25
G 35.0	352.39	360.94	364.17	360.60	359.85	361.76	359.85	360.60	364.17	360.94	352.39	344.06	333.89
G 36.0	360.30	368.53	373.15	368.59	368.24	370.02	368.24	368.59	373.15	368.53	360.30	349.40	337.84
G 37.0	367.52	377.72	382.41	377.67	376.34	379.21	376.34	377.67	382.41	377.72	367.52	355.50	342.87
G 38.0	376.18	386.57	391.99	387.12	384.63	387.53	384.63	387.12	391.99	386.57	376.18	363.04	348.83
G 39.0	385.24	396.19	401.54	395.06	393.03	396.06	393.03	395.06	401.54	396.19	385.24	371.99	355.83
G 40.0	393.93	404.78	410.55	404.35	399.29	403.22	399.29	404.35	410.55	404.78	393.93	381.41	364.33
G 41.0	404.13	413.52	417.85	412.01	405.92	410.51	405.92	412.01	417.85	413.52	404.13	390.86	373.49
G 42.0	412.15	421.11	425.51	418.42	410.71	415.46	410.71	418.42	425.51	421.11	412.15	400.22	384.49
G 43.0	419.42	427.40	430.48	423.57	413.93	419.08	413.93	423.57	430.48	427.40	419.42	409.64	395.63
G 44.0	424.90	432.03	433.61	426.24	414.84	420.88	414.84	426.24	433.61	432.03	424.90	418.55	407.37
G 45.0	429.43	434.91	434.57	427.01	413.97	420.41	413.97	427.01	434.57	434.91	429.43	427.33	419.38
G 46.0	431.76	435.31	432.69	425.45	410.42	417.39	410.42	425.45	432.69	435.31	431.76	433.76	429.95
G 47.0	431.29	433.10	428.37	421.43	404.53	412.45	404.53	421.43	428.37	433.10	431.29	438.15	440.21
G 48.0	428.18	429.11	422.15	414.03	396.22	405.29	396.22	414.03	422.15	429.11	428.18	439.86	447.84
G 49.0	422.34	421.57	413.13	405.44	386.77	396.22	386.77	405.44	413.13	421.57	422.34	438.10	452.12
G 50.0	414.36	411.74	401.36	394.11	374.57	383.50	374.57	394.11	401.36	411.74	414.36	432.31	453.44
G 51.0	403.21	400.08	388.59	380.16	361.15	370.27	361.15	380.16	388.59	400.08	403.21	422.66	449.97
G 52.0	389.11	386.10	372.36	365.43	344.31	352.82	344.31	365.43	372.36	386.10	389.11	411.74	439.95
G 53.0	373.74	369.39	356.35	347.59	328.70	338.23	328.70	347.59	356.35	369.39	373.74	397.40	426.37
G 54.0	358.58	352.61	338.23	331.44	310.59	319.60	310.59	331.44	338.23	352.61	358.58	383.35	411.63
G 55.0	341.64	334.99	320.78	312.54	292.42	302.92	292.42	312.54	320.78	334.99	341.64	367.59	395.95
G 56.0	323.67	314.86	300.50	295.94	269.16	278.25	269.16	295.94	300.50	314.86	323.67	348.80	377.01
G 57.0	303.65	296.05	269.04	250.58	221.37	230.94	221.37	250.58	269.04	296.05	303.65	327.92	360.94
G 58.0	280.91	258.90	218.35	205.86	163.77	175.47	163.77	205.86	218.35	258.90	280.91	308.22	335.65
G 59.0	233.24	208.43	162.99	143.91	115.60	128.80	115.60	143.91	162.99	208.43	233.24	283.89	310.42
G 60.0	187.66	152.74	114.64	107.71	96.70	101.32	96.70	107.71	114.64	152.74	187.66	252.86	283.13
G 61.0	133.67	112.72	100.45	96.17	86.58	89.78	86.58	96.17	100.45	112.72	133.67	199.20	251.67
G 62.0	104.73	98.09	89.81	84.47	76.05	78.84	76.05	84.47	89.81	98.09	104.73	143.23	203.69
G 63.0	91.72	87.25	79.47	74.70	67.43	70.36	67.43	74.70	79.47	87.25	91.72	105.08	144.25
G 64.0	81.37	76.92	70.22	66.34	59.50	61.65	59.50	66.34	70.22	76.92	81.37	93.03	106.07
G 65.0	71.75	68.97	61.76	58.71	52.71	55.41	52.71	58.71	61.76	68.97	71.75	81.81	91.03
G 66.0	64.06	60.54	54.78	52.13	46.50	48.16	46.50	52.13	54.78	60.54	64.06	73.54	78.93
G 67.0	56.91	53.69	48.31	45.44	41.17	42.22	41.17	45.44	48.31	53.69	56.91	64.28	70.46
G 68.0	50.15	47.01	42.93	40.59	36.79	37.58	36.79	40.59	42.93	47.01	50.15	56.71	61.53
G 69.0	44.10	41.56	38.02	35.92	32.70	33.62	32.70	35.92	38.02	41.56	44.10	49.96	53.76
G 70.0	39.33	37.32	34.22	32.31	29.37	30.44	29.37	32.31	34.22	37.32	39.33	44.55	47.53
G 71.0	35.43	33.71	30.71	29.56	26.52	26.89	26.52	29.56	30.71	33.71	35.43	39.92	41.87
G 72.0	31.89	30.28	27.66	26.49	23.60	23.99	23.60	26.49	27.66	30.28	31.89	35.22	37.12

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 3/18**

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	267.50	265.21	266.84	264.78	266.34	264.89	266.08	264.67	265.90	264.55	263.15	264.68	264.66
G 2.0	268.17	267.33	267.93	267.11	267.74	266.35	266.94	265.51	266.24	264.77	264.05	262.86	263.11
G 3.0	271.40	269.05	269.63	267.24	267.66	266.08	266.24	265.22	265.22	264.28	267.87	264.35	265.10
G 4.0	272.16	271.05	271.25	270.82	270.32	269.80	268.93	268.60	267.78	267.03	270.61	267.36	268.53
G 5.0	275.65	275.75	275.59	274.64	274.34	274.18	272.93	273.17	271.57	271.09	274.03	270.73	270.88
G 6.0	280.08	279.08	279.59	280.29	279.43	278.35	277.46	276.39	275.01	274.07	275.56	273.46	273.11
G 7.0	284.09	284.82	284.83	283.08	282.53	282.33	280.63	280.08	278.50	277.12	276.13	274.30	273.77
G 8.0	289.73	288.28	288.27	287.46	287.28	284.90	283.76	281.80	280.58	278.08	276.73	274.79	273.89
G 9.0	292.91	293.07	292.63	290.55	289.79	287.35	285.72	283.26	281.81	278.88	276.93	274.94	273.56
G 10.0	297.54	296.65	295.77	293.34	291.86	289.37	287.62	284.54	282.91	279.68	276.98	274.72	273.15
G 11.0	301.50	299.78	298.75	295.86	294.25	291.21	288.95	285.62	283.43	279.91	276.71	274.35	272.48
G 12.0	305.09	302.51	301.58	298.11	296.24	292.62	290.21	286.33	283.87	279.89	276.34	273.91	271.71
G 13.0	308.61	305.46	304.09	300.00	297.97	293.78	291.24	286.85	284.03	279.72	275.78	272.96	270.69
G 14.0	311.32	307.99	306.35	301.69	299.32	294.71	291.81	287.14	284.01	279.32	275.06	272.09	269.39
G 15.0	314.00	310.50	308.39	303.32	300.42	295.53	292.19	287.36	283.84	279.05	274.34	271.12	268.40
G 16.0	316.54	312.28	309.96	304.56	301.54	296.26	292.57	287.37	283.66	278.53	273.61	270.13	267.35
G 17.0	318.77	314.14	311.33	305.77	302.54	296.88	293.09	287.51	283.57	278.09	272.81	269.19	266.17
G 18.0	320.61	315.59	312.97	306.78	303.34	297.52	293.49	287.64	283.45	277.45	272.15	268.23	264.95
G 19.0	322.05	316.78	314.15	307.88	304.31	298.20	294.06	287.81	283.31	277.09	271.41	267.17	263.64
G 20.0	323.52	318.06	315.32	308.89	305.34	299.14	294.58	288.16	283.28	276.61	270.58	266.19	262.24
G 21.0	324.61	319.01	316.16	309.94	306.38	300.05	295.30	288.61	283.28	276.14	269.77	265.29	260.87
G 22.0	325.50	319.90	317.23	311.05	307.53	301.08	296.08	289.15	283.28	275.73	268.91	264.37	259.41
G 23.0	326.37	320.62	318.12	312.27	308.76	302.45	297.10	289.73	283.51	275.25	268.18	262.94	258.22
G 24.0	326.93	321.30	319.09	313.41	310.34	304.02	298.27	290.32	283.66	275.04	267.08	261.60	256.92
G 25.0	327.40	321.83	319.92	314.64	311.90	305.77	299.48	291.19	283.79	274.33	266.10	260.09	255.02
G 26.0	327.72	322.42	320.91	316.13	313.74	307.88	301.19	292.29	283.81	273.98	265.05	258.67	253.39
G 27.0	327.87	322.82	321.73	317.47	315.61	309.90	303.04	293.40	284.07	273.27	263.57	257.07	251.46
G 28.0	328.01	323.20	322.52	318.87	317.63	312.46	305.03	294.75	284.31	272.61	262.26	255.38	249.78
G 29.0	328.02	323.50	323.39	320.58	320.09	315.20	307.45	296.21	284.58	271.98	260.93	253.57	247.95
G 30.0	327.81	323.61	324.05	322.05	322.88	318.34	310.26	297.61	284.77	271.02	259.41	251.85	246.17
G 31.0	327.79	323.61	324.67	323.98	325.55	322.20	313.45	299.68	285.00	269.95	257.66	250.24	244.18
G 32.0	327.59	323.69	325.34	325.65	328.70	325.94	316.94	301.75	285.17	268.96	255.97	248.12	242.31
G 33.0	327.57	323.65	325.74	327.53	331.90	329.60	320.77	304.13	285.28	267.80	254.31	246.51	240.49
G 34.0	327.96	323.78	326.15	329.22	335.15	333.99	324.73	306.19	285.25	266.77	252.53	244.69	238.73
G 35.0	329.03	324.18	326.58	331.02	338.88	337.84	329.11	308.55	285.16	265.30	250.99	242.88	236.97
G 36.0	330.83	325.04	327.23	332.81	342.37	342.04	333.35	311.06	284.85	264.03	249.11	241.04	235.02
G 37.0	333.60	326.66	328.18	334.31	346.05	346.25	337.67	313.27	284.51	262.53	247.46	239.41	233.26
G 38.0	337.17	328.85	329.54	336.07	349.78	350.74	341.47	315.66	284.37	260.96	245.38	237.54	231.46
G 39.0	342.25	332.00	331.43	338.29	353.56	356.00	345.31	317.64	283.60	259.42	243.56	235.69	229.23
G 40.0	348.83	336.69	334.67	341.12	357.46	360.28	349.26	319.24	282.70	257.33	241.07	233.29	227.38
G 41.0	355.97	342.76	338.70	345.41	361.47	365.04	352.53	320.21	281.75	255.58	239.02	231.35	225.21
G 42.0	364.58	350.53	345.06	350.37	366.01	370.06	354.91	320.26	280.21	253.56	237.43	229.57	222.93
G 43.0	375.13	360.12	352.91	356.81	371.37	375.32	356.63	319.97	278.88	251.90	236.33	228.21	220.96
G 44.0	387.14	370.85	362.38	366.33	378.14	380.23	358.50	319.91	278.54	251.20	235.79	226.84	218.81
G 45.0	402.05	382.93	374.45	377.72	387.39	386.36	361.05	321.10	279.14	251.56	236.41	226.33	217.34
G 46.0	418.27	398.70	389.81	392.07	398.62	393.14	364.91	323.84	281.66	253.00	237.69	226.08	215.57
G 47.0	434.95	419.47	406.53	410.84	412.42	403.98	371.92	329.74	285.16	255.79	239.59	226.47	214.06
G 48.0	449.96	439.41	426.55	432.37	428.33	416.87	380.92	336.77	290.62	259.50	242.46	227.57	212.77
G 49.0	462.49	462.25	448.62	455.48	446.95	433.08	393.92	345.75	297.86	264.86	246.38	229.23	211.58
G 50.0	473.19	478.93	476.40	481.01	472.53	453.93	406.74	357.15	305.55	270.76	251.34	231.24	210.15
G 51.0	480.49	496.68	506.78	515.18	503.11	479.78	426.28	368.26	317.52	278.91	257.28	233.62	208.79
G 52.0	484.92	511.23	533.68	551.57	536.95	505.87	445.10	384.31	329.18	289.44	264.42	236.63	207.19
G 53.0	484.69	524.01	559.42	589.05	576.32	538.42	467.91	401.91	343.83	299.08	268.89	237.21	201.26
G 54.0	478.88	533.28	584.52	627.43	611.17	566.70	491.70	421.17	360.55	309.56	269.05	232.23	191.51
G 55.0	466.86	537.39	607.66	659.50	651.21	603.30	517.26	439.14	371.97	315.60	260.80	217.80	169.96
G 56.0	450.52	534.64	626.80	689.66	691.73	640.56	544.14	454.18	381.48	313.14	256.13	205.73	153.46
G 57.0	432.23	523.71	637.37	715.28	726.66	674.78	565.88	461.72	383.85	314.27	256.65	198.28	141.64
G 58.0	407.39	503.42	637.03	732.73	756.05	702.88	581.28	471.32	392.86	321.34	265.91	199.94	137.63
G 59.0	381.44	475.73	623.72	737.43	771.90	717.76	596.00	487.74	408.09	337.01	276.03	201.71	133.83
G 60.0	351.89	440.54	599.80	727.80	770.90	725.44	615.41	512.30	427.80	351.64	283.25	201.94	129.16
G 61.0	317.63	402.68	569.56	702.32	757.40	730.18	639.02	535.02	447.10	364.63	288.69	200.53	123.63
G 62.0	282.46	363.23	518.08	653.36	735.15	733.38	662.07	554.48	464.34	373.97	292.02	197.35	115.78
G 63.0	243.55	316.99	457.86	603.43	716.24	729.89	676.88	570.93	477.04	380.82	293.23	192.70	107.61
G 64.0	188.43	272.01	386.90	544.77	688.99	717.92	683.08	582.97	486.87	384.40	292.71	187.29	97.70
G 65.0	133.25	212.99	323.47	495.61	652.18	700.23	682.27	590.31	492.89	385.92	291.39	180.42	88.35
G 66.0	97.96	150.35	275.17	435.79	614.29	675.29	672.21	592.35	495.18	386.01	288.21	173.76	80.04
G 67.0	83.70	111.06	223.07	383.56	566.42	640.45	656.63	588.53	494.35	384.41	283.16	165.01	72.79
G 68.0	70.74	89.55	178.76	335.43	517.26	606.42	632.41	578.64	490.60	380.59	276.19	156.96	64.13
G 69.0	60.86	72.89	135.54	282.93	469.34	565.02	610.84	562.50	482.95	374.24	264.90	146.73	55.65
G 70.0	52.48	60.55	105.99	229.35	415.93	520.76	571.60	541.82	471.52	365.23	238.80	119.62	47.49
G 71.0	45.70	50.16	84.55	180.41	367.76	477.35	535.55	512.74	455.88	336.02	216.51	103.58	43.01
G 72.0	40.20	43.35	64.33	142.74	310.88	428.57	489.64	465.96	414.46	311.79	192.15	90.80	39.08

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 4/18**

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	264.09	264.05	263.17	263.98	262.10	263.33	261.29	262.42	260.66	261.54	260.65	261.16	261.35
G 2.0	261.73	261.75	260.75	260.82	260.39	261.02	260.57	261.08	259.67	260.43	258.32	258.55	258.03
G 3.0	262.59	262.76	260.41	260.62	258.15	258.95	257.04	257.49	257.05	257.94	256.91	257.11	255.44
G 4.0	264.77	264.98	261.60	261.82	258.82	258.86	256.11	256.13	253.79	254.08	254.11	255.12	253.72
G 5.0	267.71	267.53	264.21	264.19	259.76	259.48	255.86	255.51	252.66	252.39	250.69	251.76	252.04
G 6.0	269.96	269.82	266.03	265.59	261.77	261.43	256.53	255.24	251.77	251.15	248.47	248.66	249.89
G 7.0	271.14	270.27	267.48	267.02	262.77	262.23	258.03	256.76	251.25	249.87	246.99	246.48	247.10
G 8.0	271.15	269.89	267.23	266.64	263.55	263.10	258.65	257.27	252.14	249.31	245.30	244.56	244.03
G 9.0	270.77	269.30	266.65	265.80	262.91	262.72	259.26	257.87	252.65	249.83	244.01	242.84	241.38
G 10.0	270.28	268.54	265.90	264.77	261.99	261.68	258.98	258.07	253.16	250.22	243.32	241.17	239.19
G 11.0	269.44	267.53	264.80	263.63	260.86	260.27	257.78	257.31	253.28	250.46	243.31	239.63	237.41
G 12.0	268.52	266.47	263.74	262.33	259.47	259.04	256.57	256.31	253.05	250.94	243.53	238.72	235.76
G 13.0	267.43	265.18	262.39	260.86	258.00	257.69	255.01	254.75	252.47	250.70	243.59	238.25	233.80
G 14.0	266.21	263.81	260.78	259.48	256.61	256.03	253.65	253.34	250.84	250.15	243.91	237.85	232.18
G 15.0	264.91	262.32	259.23	257.86	255.00	254.29	252.09	251.64	249.45	248.86	243.93	237.52	230.50
G 16.0	263.63	260.94	257.66	256.40	253.42	252.89	250.50	250.13	247.96	247.49	243.52	237.27	228.57
G 17.0	262.19	259.31	256.25	254.94	252.07	251.35	248.86	248.58	246.47	245.92	242.39	233.89	222.57
G 18.0	260.77	258.02	254.53	253.30	250.31	249.61	247.29	246.72	244.75	243.92	239.27	228.76	215.67
G 19.0	259.37	256.34	253.20	251.57	248.76	247.81	245.46	244.90	242.51	241.48	235.48	223.41	206.32
G 20.0	258.13	254.91	251.61	249.89	247.10	246.01	243.54	242.78	240.18	238.99	230.80	203.55	187.46
G 21.0	256.69	253.44	250.16	248.32	245.36	244.23	241.61	240.69	238.08	228.37	211.50	180.88	164.74
G 22.0	255.22	251.69	248.54	246.65	243.67	242.59	239.87	238.72	234.32	208.40	189.23	154.82	143.01
G 23.0	253.52	250.20	246.77	244.82	241.90	240.67	238.02	234.93	218.04	183.18	162.39	136.82	123.51
G 24.0	251.73	248.40	245.04	242.91	239.98	238.72	235.87	218.66	192.11	159.94	147.16	111.27	93.06
G 25.0	250.32	246.56	243.32	241.12	238.05	236.64	232.12	197.22	169.55	143.20	120.31	85.76	71.25
G 26.0	248.68	244.82	241.42	239.37	236.13	234.55	218.18	173.50	151.56	115.06	91.77	57.56	47.62
G 27.0	246.81	243.31	239.42	237.41	234.37	230.48	200.21	155.05	129.79	88.17	66.55	40.57	37.33
G 28.0	245.23	241.48	237.84	235.45	232.16	214.96	179.61	137.50	105.99	62.20	43.43	37.62	36.27
G 29.0	242.93	239.76	235.96	233.62	230.11	198.08	156.50	115.19	77.96	42.07	38.49	36.94	35.61
G 30.0	241.09	237.60	234.25	231.66	226.28	178.59	142.29	88.94	52.24	39.35	37.68	36.46	35.10
G 31.0	239.35	235.78	232.30	229.38	213.57	156.97	119.96	67.36	41.03	38.71	37.29	35.98	34.65
G 32.0	237.74	233.85	230.51	227.18	195.95	144.28	97.15	44.55	39.65	38.27	36.81	35.59	34.16
G 33.0	235.88	232.02	228.28	224.11	178.18	123.37	75.35	40.87	39.13	37.89	36.48	35.17	33.76
G 34.0	233.87	230.21	226.28	212.90	159.38	103.16	52.15	40.25	38.71	37.53	36.14	34.86	33.36
G 35.0	231.88	227.91	223.83	197.21	146.36	81.57	42.29	39.74	38.33	37.20	35.79	34.55	33.01
G 36.0	229.86	225.57	221.49	182.12	129.20	58.15	40.91	39.40	37.97	36.93	35.51	34.21	32.67
G 37.0	227.87	223.48	218.60	164.00	107.76	45.23	40.39	39.02	37.67	36.67	35.25	33.94	32.37
G 38.0	225.94	221.38	214.83	148.75	90.80	42.39	40.07	38.69	37.40	36.45	35.00	33.73	32.08
G 39.0	223.92	218.78	204.75	136.76	70.50	41.87	39.73	38.38	37.18	36.23	34.83	33.55	31.88
G 40.0	221.75	215.97	189.59	118.69	51.63	41.62	39.42	38.14	36.89	36.08	34.70	33.47	31.74
G 41.0	219.16	213.31	174.05	99.73	44.94	41.40	39.21	37.88	36.65	35.94	34.64	33.42	31.66
G 42.0	216.62	210.07	158.22	81.39	43.60	41.25	39.02	37.64	36.47	35.83	34.61	33.39	31.56
G 43.0	214.26	206.59	143.45	64.18	43.37	41.16	38.89	37.44	36.26	35.75	34.60	33.33	31.48
G 44.0	211.17	199.47	131.87	51.39	43.31	41.13	38.77	37.26	36.09	35.69	34.57	33.35	31.47
G 45.0	208.30	187.61	116.28	46.91	43.28	41.17	38.70	37.16	35.97	35.60	34.57	33.42	31.51
G 46.0	205.11	176.09	99.71	46.06	43.33	41.29	38.73	37.13	35.84	35.53	34.62	33.51	31.55
G 47.0	202.11	159.97	82.60	45.99	43.47	41.47	38.85	37.18	35.72	35.48	34.67	33.55	31.67
G 48.0	199.10	145.63	67.07	46.07	43.64	41.74	39.06	37.26	35.66	35.40	34.66	33.60	31.73
G 49.0	195.99	132.99	55.33	46.23	43.97	42.11	39.40	37.43	35.65	35.27	34.61	33.60	31.78
G 50.0	192.95	121.35	49.91	46.50	44.29	42.60	39.79	37.69	35.70	35.13	34.46	33.51	31.72
G 51.0	188.70	108.21	48.66	46.85	44.82	43.20	40.26	38.04	35.80	34.85	34.23	33.34	31.52
G 52.0	181.73	92.53	48.79	47.41	45.50	43.94	40.84	38.46	35.76	34.48	33.93	33.02	31.20
G 53.0	167.24	75.99	49.20	48.20	46.36	44.89	41.50	38.91	35.63	34.10	33.49	32.48	30.72
G 54.0	149.30	64.60	49.75	49.14	47.38	45.90	42.35	39.15	35.52	33.66	32.94	31.83	30.02
G 55.0	125.53	56.52	50.39	50.33	48.65	47.02	43.27	39.29	35.40	33.18	32.26	30.91	29.14
G 56.0	107.07	53.86	51.30	51.96	50.31	48.52	43.99	39.42	35.21	32.63	31.36	29.94	28.09
G 57.0	94.88	53.67	52.29	53.56	52.35	50.09	44.48	39.49	34.91	31.91	30.29	28.79	26.92
G 58.0	85.21	53.79	53.44	56.11	54.72	51.93	45.00	39.47	34.49	31.02	29.10	27.38	25.72
G 59.0	79.08	53.85	54.85	58.75	57.36	53.39	45.48	39.30	33.85	30.07	27.83	26.06	24.36
G 60.0	71.09	53.89	56.29	61.18	60.34	54.75	45.93	38.99	33.10	28.89	26.61	24.59	23.07
G 61.0	63.92	53.79	57.86	64.18	63.38	56.22	46.35	38.45	32.08	27.67	25.33	23.21	21.67
G 62.0	57.92	53.51	59.29	67.13	65.85	57.52	46.60	37.67	30.79	26.15	23.74	21.74	20.30
G 63.0	53.99	52.86	60.56	69.95	67.79	58.70	46.62	36.72	29.30	24.55	22.20	20.30	18.80
G 64.0	51.54	51.95	61.23	71.58	69.20	59.27	46.29	35.55	27.78	22.84	20.62	18.55	17.26
G 65.0	49.45	50.81	61.31	71.96	69.81	59.35	45.60	34.04	26.14	21.22	19.05	16.93	15.49
G 66.0	47.35	49.55	60.65	71.21	69.59	58.45	44.54	32.25	24.43	19.34	17.27	15.05	13.98
G 67.0	45.45	48.06	59.32	69.61	68.02	56.74	42.60	30.12	22.40	17.30	15.33	13.40	12.29
G 68.0	43.40	46.32	57.40	66.35	65.30	53.89	40.29	27.70	20.08	15.27	13.29	11.55	10.62
G 69.0	41.40	43.86	54.24	61.88	61.36	49.60	37.45	25.01	17.42	13.02	11.58	9.95	9.19
G 70.0	39.02	41.21	50.06	56.11	55.57	44.81	33.55	21.86	15.05	11.10	9.83	8.43	7.82
G 71.0	36.48	38.13	45.53	49.54	48.98	39.45	29.20	18.08	12.68	9.57	8.52	7.25	6.88
G 72.0	33.77	35.28	40.51	43.29	41.70	33.37	24.74	15.22	10.72	8.07	7.16	6.25	5.92

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 5/18**

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	261.68	262.40	262.43	262.40	261.68	261.35	261.16	260.65	261.54	260.66	262.42	261.29	263.33
G 2.0	258.47	259.79	260.18	259.79	258.47	258.03	258.55	258.32	260.43	259.67	261.08	260.57	261.02
G 3.0	255.69	257.08	258.01	257.08	255.69	255.44	257.11	256.91	257.94	257.05	257.49	257.04	258.95
G 4.0	253.26	254.49	255.87	254.49	253.26	253.72	255.12	254.11	254.08	253.79	256.13	256.11	258.86
G 5.0	251.23	251.99	253.80	251.99	251.23	252.04	251.76	250.69	252.39	252.66	255.51	255.86	259.48
G 6.0	249.55	249.64	251.77	249.64	249.55	249.89	248.66	248.47	251.15	251.77	255.24	256.53	261.43
G 7.0	247.95	247.44	249.73	247.44	247.95	247.10	246.48	246.99	249.87	251.25	256.76	258.03	262.23
G 8.0	246.22	245.48	248.06	245.48	246.22	244.03	244.56	245.30	249.31	252.14	257.27	258.65	263.10
G 9.0	243.98	243.94	246.27	243.94	243.98	241.38	242.84	244.01	249.83	252.65	257.87	259.26	262.72
G 10.0	241.34	242.17	244.63	242.17	241.34	239.19	241.17	243.32	250.22	253.16	258.07	258.98	261.68
G 11.0	238.88	240.59	242.99	240.59	238.88	237.41	239.63	243.31	250.46	253.28	257.31	257.78	260.27
G 12.0	236.49	239.14	241.56	239.14	236.49	235.76	238.72	243.53	250.94	253.05	256.31	256.57	259.04
G 13.0	234.20	237.69	239.78	237.69	234.20	233.80	238.25	243.59	250.70	252.47	254.75	255.01	257.69
G 14.0	232.03	236.28	238.34	236.28	232.03	232.18	237.85	243.91	250.15	250.84	253.34	253.65	256.03
G 15.0	230.08	234.51	236.54	234.51	230.08	230.50	237.52	243.93	248.86	249.45	251.64	252.09	254.29
G 16.0	224.50	229.81	228.82	229.81	224.50	228.57	237.27	243.52	247.49	247.96	250.13	250.50	252.89
G 17.0	213.80	218.23	214.92	218.23	213.80	222.57	233.89	242.39	245.92	246.47	248.58	248.86	251.35
G 18.0	204.01	204.53	198.83	204.53	204.01	215.67	228.76	239.27	243.92	244.75	246.72	247.29	249.61
G 19.0	185.92	183.90	180.82	183.90	185.92	206.32	223.41	235.48	241.48	242.51	244.90	245.46	247.81
G 20.0	165.62	163.36	155.13	163.36	165.62	187.46	203.55	230.80	238.99	240.18	242.78	243.54	246.01
G 21.0	137.71	136.41	127.63	136.41	137.71	164.74	180.88	211.50	228.37	238.08	240.69	241.61	244.23
G 22.0	120.10	113.78	100.79	113.78	120.10	143.01	154.82	189.23	208.40	234.32	238.72	239.87	242.59
G 23.0	93.05	87.23	74.49	87.23	93.05	123.51	136.82	162.39	183.18	218.04	234.93	238.02	240.67
G 24.0	72.08	65.80	58.03	65.80	72.08	93.06	111.27	147.16	159.94	192.11	218.66	235.87	238.72
G 25.0	48.53	48.61	40.68	48.61	48.53	71.25	85.76	120.31	143.20	169.55	197.22	232.12	236.64
G 26.0	37.01	36.27	35.48	36.27	37.01	47.62	57.56	91.77	115.06	151.56	173.50	218.18	234.55
G 27.0	35.56	34.99	34.63	34.99	35.56	37.33	40.57	66.55	88.17	129.79	155.05	200.21	230.48
G 28.0	34.92	34.27	33.93	34.27	34.92	36.27	37.62	43.43	62.20	105.99	137.50	179.61	214.96
G 29.0	34.45	33.67	33.37	33.67	34.45	35.61	36.94	38.49	42.07	77.96	115.19	156.50	198.08
G 30.0	33.93	33.18	32.85	33.18	33.93	35.10	36.46	37.68	39.35	52.24	88.94	142.29	178.59
G 31.0	33.45	32.69	32.27	32.69	33.45	34.65	35.98	37.29	38.71	41.03	67.36	119.96	156.97
G 32.0	32.98	32.17	31.75	32.17	32.98	34.16	35.59	36.81	38.27	39.65	44.55	97.15	144.28
G 33.0	32.56	31.71	31.27	31.71	32.56	33.76	35.17	36.48	37.89	39.13	40.87	75.35	123.37
G 34.0	32.13	31.27	30.78	31.27	32.13	33.36	34.86	36.14	37.53	38.71	40.25	52.15	103.16
G 35.0	31.67	30.81	30.35	30.81	31.67	33.01	34.55	35.79	37.20	38.33	39.74	42.29	81.57
G 36.0	31.28	30.26	29.73	30.26	31.28	32.67	34.21	35.51	36.93	37.97	39.40	40.91	58.15
G 37.0	30.92	29.79	29.11	29.79	30.92	32.37	33.94	35.25	36.67	37.67	39.02	40.39	45.23
G 38.0	30.52	29.25	28.55	29.25	30.52	32.08	33.73	35.00	36.45	37.40	38.69	40.07	42.39
G 39.0	30.26	28.82	28.19	28.82	30.26	31.88	33.55	34.83	36.23	37.18	38.38	39.73	41.87
G 40.0	30.11	28.58	27.89	28.58	30.11	31.74	33.47	34.70	36.08	36.89	38.14	39.42	41.62
G 41.0	29.94	28.32	27.59	28.32	29.94	31.66	33.42	34.64	35.94	36.65	37.88	39.21	41.40
G 42.0	29.78	28.07	27.31	28.07	29.78	31.56	33.39	34.61	35.83	36.47	37.64	39.02	41.25
G 43.0	29.69	27.91	27.11	27.91	29.69	31.48	33.33	34.60	35.75	36.26	37.44	38.89	41.16
G 44.0	29.65	27.79	26.94	27.79	29.65	31.47	33.35	34.57	35.69	36.09	37.26	38.77	41.13
G 45.0	29.64	27.66	26.78	27.66	29.64	31.51	33.42	34.57	35.60	35.97	37.16	38.70	41.17
G 46.0	29.70	27.64	26.78	27.64	29.70	31.55	33.51	34.62	35.53	35.84	37.13	38.73	41.29
G 47.0	29.81	27.70	26.79	27.70	29.81	31.67	33.55	34.67	35.48	35.72	37.18	38.85	41.47
G 48.0	29.87	27.68	26.74	27.68	29.87	31.73	33.60	34.66	35.40	35.66	37.26	39.06	41.74
G 49.0	29.84	27.60	26.62	27.60	29.84	31.78	33.60	34.61	35.27	35.65	37.43	39.40	42.11
G 50.0	29.70	27.42	26.38	27.42	29.70	31.72	33.51	34.46	35.13	35.70	37.69	39.79	42.60
G 51.0	29.41	27.12	26.05	27.12	29.41	31.52	33.34	34.23	34.85	35.80	38.04	40.26	43.20
G 52.0	29.02	26.69	25.57	26.69	29.02	31.20	33.02	33.93	34.48	35.76	38.46	40.84	43.94
G 53.0	28.36	26.15	24.98	26.15	28.36	30.72	32.48	33.49	34.10	35.63	38.91	41.50	44.89
G 54.0	27.65	25.44	24.19	25.44	27.65	30.02	31.83	32.94	33.66	35.52	39.15	42.35	45.90
G 55.0	26.82	24.58	23.21	24.58	26.82	29.14	30.91	32.26	33.18	35.40	39.29	43.27	47.02
G 56.0	25.76	23.59	22.22	23.59	25.76	28.09	29.94	31.36	32.63	35.21	39.42	43.99	48.52
G 57.0	24.64	22.57	21.20	22.57	24.64	26.92	28.79	30.29	31.91	34.91	39.49	44.48	50.09
G 58.0	23.42	21.38	20.08	21.38	23.42	25.72	27.38	29.10	31.02	34.49	39.47	45.00	51.93
G 59.0	22.21	20.42	19.05	20.42	22.21	24.36	26.06	27.83	30.07	33.85	39.30	45.48	53.39
G 60.0	20.93	19.23	17.89	19.23	20.93	23.07	24.59	26.61	28.89	33.10	38.99	45.93	54.75
G 61.0	19.72	18.05	16.73	18.05	19.72	21.67	23.21	25.33	27.67	32.08	38.45	46.35	56.22
G 62.0	18.44	16.73	15.50	16.73	18.44	20.30	21.74	23.74	26.15	30.79	37.67	46.60	57.52
G 63.0	16.88	15.48	14.30	15.48	16.88	18.80	20.30	22.20	24.55	29.30	36.72	46.62	58.70
G 64.0	15.43	14.26	13.09	14.26	15.43	17.26	18.55	20.62	22.84	27.78	35.55	46.29	59.27
G 65.0	13.85	12.83	11.85	12.83	13.85	15.49	16.93	19.05	21.22	26.14	34.04	45.60	59.35
G 66.0	12.36	11.43	10.50	11.43	12.36	13.98	15.05	17.27	19.34	24.43	32.25	44.54	58.45
G 67.0	10.82	9.97	9.32	9.97	10.82	12.29	13.40	15.33	17.30	22.40	30.12	42.60	56.74
G 68.0	9.43	8.83	8.09	8.83	9.43	10.62	11.55	13.29	15.27	20.08	27.70	40.29	53.89
G 69.0	8.10	7.59	7.05	7.59	8.10	9.19	9.95	11.58	13.02	17.42	25.01	37.45	49.60
G 70.0	7.03	6.70	6.25	6.70	7.03	7.82	8.43	9.83	11.10	15.05	21.86	33.55	44.81
G 71.0	6.10	5.87	5.46	5.87	6.10	6.88	7.25	8.52	9.57	12.68	18.08	29.20	39.45
G 72.0	5.45	5.19	4.88	5.19	5.45	5.92	6.25	7.16	8.07	10.72	15.22	24.74	33.37

Apparecchio		**Rilievo**		**Lampada**	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 6/18**

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	262.10	263.98	263.17	264.05	264.09	264.66	264.68
G 2.0	260.39	260.82	260.75	261.75	261.73	263.11	262.86
G 3.0	258.15	260.62	260.41	262.76	262.59	265.10	264.35
G 4.0	258.82	261.82	261.60	264.98	264.77	268.53	267.36
G 5.0	259.76	264.19	264.21	267.53	267.71	270.88	270.73
G 6.0	261.77	265.59	266.03	269.82	269.96	273.11	273.46
G 7.0	262.77	267.02	267.48	270.27	271.14	273.77	274.30
G 8.0	263.55	266.64	267.23	269.89	271.15	273.89	274.79
G 9.0	262.91	265.80	266.65	269.30	270.77	273.56	274.94
G 10.0	261.99	264.77	265.90	268.54	270.28	273.15	274.72
G 11.0	260.86	263.63	264.80	267.53	269.44	272.48	274.35
G 12.0	259.47	262.33	263.74	266.47	268.52	271.71	273.91
G 13.0	258.00	260.86	262.39	265.18	267.43	270.69	272.96
G 14.0	256.61	259.48	260.78	263.81	266.21	269.39	272.09
G 15.0	255.00	257.86	259.23	262.32	264.91	268.40	271.12
G 16.0	253.42	256.40	257.66	260.94	263.63	267.35	270.13
G 17.0	252.07	254.94	256.25	259.31	262.19	266.17	269.19
G 18.0	250.31	253.30	254.53	258.02	260.77	264.95	268.23
G 19.0	248.76	251.57	253.20	256.34	259.37	263.64	267.17
G 20.0	247.10	249.89	251.61	254.91	258.13	262.24	266.19
G 21.0	245.36	248.32	250.16	253.44	256.69	260.87	265.29
G 22.0	243.67	246.65	248.54	251.69	255.22	259.41	264.37
G 23.0	241.90	244.82	246.77	250.20	253.52	258.22	262.94
G 24.0	239.98	242.91	245.04	248.40	251.73	256.92	261.60
G 25.0	238.05	241.12	243.32	246.56	250.32	255.02	260.09
G 26.0	236.13	239.37	241.42	244.82	248.68	253.39	258.67
G 27.0	234.37	237.41	239.42	243.31	246.81	251.46	257.07
G 28.0	232.16	235.45	237.84	241.48	245.23	249.78	255.38
G 29.0	230.11	233.62	235.96	239.76	242.93	247.95	253.57
G 30.0	226.28	231.66	234.25	237.60	241.09	246.17	251.85
G 31.0	213.57	229.38	232.30	235.78	239.35	244.18	250.24
G 32.0	195.95	227.18	230.51	233.85	237.74	242.31	248.12
G 33.0	178.18	224.11	228.28	232.02	235.88	240.49	246.51
G 34.0	159.38	212.90	226.28	230.21	233.87	238.73	244.69
G 35.0	146.36	197.21	223.83	227.91	231.88	236.97	242.88
G 36.0	129.20	182.12	221.49	225.57	229.86	235.02	241.04
G 37.0	107.76	164.00	218.60	223.48	227.87	233.26	239.41
G 38.0	90.80	148.75	214.83	221.38	225.94	231.46	237.54
G 39.0	70.50	136.76	204.75	218.78	223.92	229.23	235.69
G 40.0	51.63	118.69	189.59	215.97	221.75	227.38	233.29
G 41.0	44.94	99.73	174.05	213.31	219.16	225.21	231.35
G 42.0	43.60	81.39	158.22	210.07	216.62	222.93	229.57
G 43.0	43.37	64.18	143.45	206.59	214.26	220.96	228.21
G 44.0	43.31	51.39	131.87	199.47	211.17	218.81	226.84
G 45.0	43.28	46.91	116.28	187.61	208.30	217.34	226.33
G 46.0	43.33	46.06	99.71	176.09	205.11	215.57	226.08
G 47.0	43.47	45.99	82.60	159.97	202.11	214.06	226.47
G 48.0	43.64	46.07	67.07	145.63	199.10	212.77	227.57
G 49.0	43.97	46.23	55.33	132.99	195.99	211.58	229.23
G 50.0	44.29	46.50	49.91	121.35	192.95	210.15	231.24
G 51.0	44.82	46.85	48.66	108.21	188.70	208.79	233.62
G 52.0	45.50	47.41	48.79	92.53	181.73	207.19	236.63
G 53.0	46.36	48.20	49.20	75.99	167.24	201.26	237.21
G 54.0	47.38	49.14	49.75	64.60	149.30	191.51	232.23
G 55.0	48.65	50.33	50.39	56.52	125.53	169.96	217.80
G 56.0	50.31	51.96	51.30	53.86	107.07	153.46	205.73
G 57.0	52.35	53.56	52.29	53.67	94.88	141.64	198.28
G 58.0	54.72	56.11	53.44	53.79	85.21	137.63	199.94
G 59.0	57.36	58.75	54.85	53.85	79.08	133.83	201.71
G 60.0	60.34	61.18	56.29	53.89	71.09	129.16	201.94
G 61.0	63.38	64.18	57.86	53.79	63.92	123.63	200.53
G 62.0	65.85	67.13	59.29	53.51	57.92	115.78	197.35
G 63.0	67.79	69.95	60.56	52.86	53.99	107.61	192.70
G 64.0	69.20	71.58	61.23	51.95	51.54	97.70	187.29
G 65.0	69.81	71.96	61.31	50.81	49.45	88.35	180.42
G 66.0	69.59	71.21	60.65	49.55	47.35	80.04	173.76
G 67.0	68.02	69.61	59.32	48.06	45.45	72.79	165.01
G 68.0	65.30	66.35	57.40	46.32	43.40	64.13	156.96
G 69.0	61.36	61.88	54.24	43.86	41.40	55.65	146.73
G 70.0	55.57	56.11	50.06	41.21	39.02	47.49	119.62
G 71.0	48.98	49.54	45.53	38.13	36.48	43.01	103.58
G 72.0	41.70	43.29	40.51	35.28	33.77	39.08	90.80

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 7/18**

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 73.0	148.67	280.21	386.66	425.32	427.17	374.54	256.86	110.14	50.45	37.90	35.62	32.74	31.70
G 74.0	109.51	226.97	331.55	374.35	376.97	302.76	196.19	75.75	41.02	33.21	31.46	28.80	28.36
G 75.0	75.99	165.89	259.88	294.06	315.16	259.02	152.34	55.07	35.26	28.87	28.11	25.74	24.69
G 76.0	53.25	114.19	181.58	210.31	241.84	198.62	105.09	41.34	30.04	25.84	24.78	22.62	21.48
G 77.0	41.93	77.16	122.92	143.09	166.59	134.73	68.80	31.94	26.08	22.99	21.91	19.94	18.75
G 78.0	32.89	52.06	76.44	92.67	101.14	84.28	45.17	25.63	22.21	20.04	19.03	17.46	16.36
G 79.0	27.46	38.87	53.29	61.97	67.68	51.48	32.32	21.20	18.58	17.46	16.79	15.09	14.42
G 80.0	22.28	31.49	39.06	42.72	43.13	33.13	23.80	17.14	16.02	14.84	14.46	13.12	12.46
G 81.0	17.13	25.39	30.83	31.22	30.44	23.73	17.89	14.00	13.40	12.57	12.25	11.12	10.65
G 82.0	12.62	20.78	25.23	24.85	22.85	16.46	13.86	11.71	11.38	10.44	10.45	9.36	8.97
G 83.0	8.85	15.71	19.98	19.30	16.71	12.22	10.58	9.47	9.13	8.46	8.41	7.65	7.30
G 84.0	5.58	11.25	14.52	14.60	12.17	8.94	8.21	7.36	7.04	6.66	6.59	5.87	5.55
G 85.0	2.94	7.41	10.28	9.70	8.32	6.24	6.01	5.27	5.38	4.83	4.92	4.31	4.21
G 86.0	1.64	3.59	5.32	4.67	4.68	3.59	3.66	3.19	3.45	3.34	3.49	3.04	3.00
G 87.0	0.29	2.05	2.91	2.59	2.41	1.98	1.88	1.56	1.87	1.77	2.01	1.66	1.97
G 88.0	0.13	0.39	0.55	0.44	0.80	0.60	0.76	0.61	0.70	0.54	0.63	0.52	0.60
G 89.0	0.03	0.14	0.19	0.14	0.17	0.13	0.13	0.12	0.12	0.12	0.12	0.10	0.10
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 8/18**

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 73.0	28.81	27.25	24.36	22.70	20.37	20.20	20.37	22.70	24.36	27.25	28.81	31.70	32.74
G 74.0	24.72	23.29	21.06	19.73	17.56	17.62	17.56	19.73	21.06	23.29	24.72	28.36	28.80
G 75.0	21.90	20.32	18.22	17.33	15.51	15.40	15.51	17.33	18.22	20.32	21.90	24.69	25.74
G 76.0	18.97	17.82	15.97	15.24	13.68	13.66	13.68	15.24	15.97	17.82	18.97	21.48	22.62
G 77.0	16.86	15.71	14.28	13.46	12.14	12.16	12.14	13.46	14.28	15.71	16.86	18.75	19.94
G 78.0	14.78	13.63	12.59	11.90	10.69	10.61	10.69	11.90	12.59	13.63	14.78	16.36	17.46
G 79.0	12.91	12.06	11.05	10.36	9.36	9.25	9.36	10.36	11.05	12.06	12.91	14.42	15.09
G 80.0	11.08	10.46	9.52	9.08	8.25	8.26	8.25	9.08	9.52	10.46	11.08	12.46	13.12
G 81.0	9.59	8.90	8.19	7.90	6.93	6.93	6.93	7.90	8.19	8.90	9.59	10.65	11.12
G 82.0	7.84	7.49	6.72	6.46	5.67	5.74	5.67	6.46	6.72	7.49	7.84	8.97	9.36
G 83.0	6.41	5.91	5.46	5.30	4.70	4.62	4.70	5.30	5.46	5.91	6.41	7.30	7.65
G 84.0	4.87	4.74	4.36	4.17	3.78	3.82	3.78	4.17	4.36	4.74	4.87	5.55	5.87
G 85.0	3.72	3.61	3.40	3.26	2.91	2.98	2.91	3.26	3.40	3.61	3.72	4.21	4.31
G 86.0	2.75	2.70	2.44	2.49	2.24	2.27	2.24	2.49	2.44	2.70	2.75	3.00	3.04
G 87.0	1.65	1.74	1.54	1.56	1.36	1.50	1.36	1.56	1.54	1.74	1.65	1.97	1.66
G 88.0	0.50	0.60	0.52	0.58	0.47	0.47	0.47	0.58	0.52	0.60	0.50	0.60	0.52
G 89.0	0.09	0.10	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.10	0.09	0.10	0.10
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 9/18**

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 73.0	35.62	37.90	50.45	110.14	256.86	374.54	427.17	425.32	386.66	280.21	148.67	71.14	34.67
G 74.0	31.46	33.21	41.02	75.75	196.19	302.76	376.97	374.35	331.55	226.97	109.51	57.07	31.00
G 75.0	28.11	28.87	35.26	55.07	152.34	259.02	315.16	294.06	259.88	165.89	75.99	44.75	27.74
G 76.0	24.78	25.84	30.04	41.34	105.09	198.62	241.84	210.31	181.58	114.19	53.25	37.04	24.73
G 77.0	21.91	22.99	26.08	31.94	68.80	134.73	166.59	143.09	122.92	77.16	41.93	30.21	21.38
G 78.0	19.03	20.04	22.21	25.63	45.17	84.28	101.14	92.67	76.44	52.06	32.89	25.27	17.93
G 79.0	16.79	17.46	18.58	21.20	32.32	51.48	67.68	61.97	53.29	38.87	27.46	20.78	14.30
G 80.0	14.46	14.84	16.02	17.14	23.80	33.13	43.13	42.72	39.06	31.49	22.28	16.39	11.21
G 81.0	12.25	12.57	13.40	14.00	17.89	23.73	30.44	31.22	30.83	25.39	17.13	12.86	8.18
G 82.0	10.45	10.44	11.38	11.71	13.86	16.46	22.85	24.85	25.23	20.78	12.62	9.17	5.85
G 83.0	8.41	8.46	9.13	9.47	10.58	12.22	16.71	19.30	19.98	15.71	8.85	6.09	3.79
G 84.0	6.59	6.66	7.04	7.36	8.21	8.94	12.17	14.60	14.52	11.25	5.58	3.70	2.16
G 85.0	4.92	4.83	5.38	5.27	6.01	6.24	8.32	9.70	10.28	7.41	2.94	2.06	1.11
G 86.0	3.49	3.34	3.45	3.19	3.66	3.59	4.68	4.67	5.32	3.59	1.64	1.04	0.51
G 87.0	2.01	1.77	1.87	1.56	1.88	1.98	2.41	2.59	2.91	2.05	0.29	0.29	0.16
G 88.0	0.63	0.54	0.70	0.61	0.76	0.60	0.80	0.44	0.55	0.39	0.13	0.12	0.08
G 89.0	0.12	0.12	0.12	0.12	0.13	0.13	0.17	0.14	0.19	0.14	0.03	0.03	0.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 10/18**

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 73.0	31.24	32.29	35.81	36.27	34.58	26.83	19.51	12.13	8.53	6.68	6.02	5.44	5.20
G 74.0	28.58	29.22	31.53	30.69	27.38	20.91	16.98	9.66	7.07	5.53	5.08	4.71	4.52
G 75.0	25.80	26.07	27.58	25.26	22.41	16.05	14.69	7.52	5.63	4.63	4.45	4.09	4.00
G 76.0	22.88	22.19	23.28	20.47	17.22	12.12	12.76	5.83	4.68	3.90	3.77	3.47	3.44
G 77.0	19.33	18.35	18.59	15.77	13.01	8.93	11.26	4.49	3.71	3.20	3.22	2.95	2.95
G 78.0	15.58	14.32	14.55	12.18	9.40	6.41	9.81	3.42	2.88	2.62	2.63	2.43	2.42
G 79.0	12.39	11.17	10.92	8.37	6.52	4.57	8.59	2.53	2.25	2.07	2.08	1.96	1.92
G 80.0	9.62	8.28	8.01	6.05	4.55	2.88	7.65	1.81	1.71	1.47	1.52	1.22	1.24
G 81.0	7.03	5.86	5.38	4.06	3.00	1.76	6.76	1.22	1.13	0.79	0.65	0.31	0.28
G 82.0	4.98	3.80	3.30	2.22	1.64	1.08	5.98	0.59	0.36	0.12	0.09	0.05	0.05
G 83.0	3.09	2.29	1.87	1.03	0.81	0.52	5.13	0.09	0.06	0.05	0.04	0.03	0.03
G 84.0	1.61	0.99	0.77	0.42	0.27	0.10	4.54	0.05	0.05	0.04	0.04	0.02	0.02
G 85.0	0.80	0.45	0.29	0.12	0.07	0.06	4.04	0.04	0.04	0.03	0.02	0.02	0.02
G 86.0	0.35	0.16	0.11	0.07	0.05	0.04	3.54	0.03	0.02	0.02	0.02	0.02	0.02
G 87.0	0.13	0.08	0.06	0.04	0.03	0.02	3.04	0.02	0.02	0.02	0.02	0.02	0.02
G 88.0	0.07	0.04	0.03	0.03	0.02	0.02	2.54	0.02	0.02	0.02	0.02	0.02	0.02
G 89.0	0.04	0.04	0.03	0.03	0.02	0.02	2.05	0.02	0.02	0.02	0.02	0.02	0.02
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		**Rilievo**		**Lampada**	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 11/18**

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 73.0	4.82	4.55	4.34	4.55	4.82	5.20	5.44	6.02	6.68	8.53	12.13	19.51	26.83
G 74.0	4.23	4.08	3.89	4.08	4.23	4.52	4.71	5.08	5.53	7.07	9.66	16.98	20.91
G 75.0	3.71	3.61	3.44	3.61	3.71	4.00	4.09	4.45	4.63	5.63	7.52	14.69	16.05
G 76.0	3.25	3.19	2.99	3.19	3.25	3.44	3.47	3.77	3.90	4.68	5.83	12.76	12.12
G 77.0	2.73	2.72	2.59	2.72	2.73	2.95	2.95	3.22	3.20	3.71	4.49	11.26	8.93
G 78.0	2.29	2.28	2.12	2.28	2.29	2.42	2.43	2.63	2.62	2.88	3.42	9.81	6.41
G 79.0	1.77	1.79	1.65	1.79	1.77	1.92	1.96	2.08	2.07	2.25	2.53	8.59	4.57
G 80.0	0.92	0.96	0.84	0.96	0.92	1.24	1.22	1.52	1.47	1.71	1.81	7.65	2.88
G 81.0	0.12	0.13	0.10	0.13	0.12	0.28	0.31	0.65	0.79	1.13	1.22	6.76	1.76
G 82.0	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.09	0.12	0.36	0.59	5.98	1.08
G 83.0	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.09	5.13	0.52
G 84.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.05	0.05	4.54	0.10
G 85.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	4.04	0.06
G 86.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	3.54	0.04
G 87.0	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	3.04	0.02
G 88.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.54	0.02
G 89.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.05	0.02
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 12/18**

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 73.0	34.58	36.27	35.81	32.29	31.24	34.67	71.14
G 74.0	27.38	30.69	31.53	29.22	28.58	31.00	57.07
G 75.0	22.41	25.26	27.58	26.07	25.80	27.74	44.75
G 76.0	17.22	20.47	23.28	22.19	22.88	24.73	37.04
G 77.0	13.01	15.77	18.59	18.35	19.33	21.38	30.21
G 78.0	9.40	12.18	14.55	14.32	15.58	17.93	25.27
G 79.0	6.52	8.37	10.92	11.17	12.39	14.30	20.78
G 80.0	4.55	6.05	8.01	8.28	9.62	11.21	16.39
G 81.0	3.00	4.06	5.38	5.86	7.03	8.18	12.86
G 82.0	1.64	2.22	3.30	3.80	4.98	5.85	9.17
G 83.0	0.81	1.03	1.87	2.29	3.09	3.79	6.09
G 84.0	0.27	0.42	0.77	0.99	1.61	2.16	3.70
G 85.0	0.07	0.12	0.29	0.45	0.80	1.11	2.06
G 86.0	0.05	0.07	0.11	0.16	0.35	0.51	1.04
G 87.0	0.03	0.04	0.06	0.08	0.13	0.16	0.29
G 88.0	0.02	0.03	0.03	0.04	0.07	0.08	0.12
G 89.0	0.02	0.03	0.03	0.04	0.04	0.03	0.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 13/18**

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		**Rilievo**		**Lampada**	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 14/18**

	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%						
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico						

Tabella Intensità Luminose - cd/klm **Tabella 15/18**

	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%						
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico						

Tabella Intensità Luminose - cd/klm **Tabella 16/18**

	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%	
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico	

Tabella Intensità Luminose - cd/klm **Tabella 17/18**

	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	AEC14266	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	24-11-2015	Posizione	

Flusso Apparecchio	4570.00 lm	Potenza Apparecchio	39.50 W	Efficacia	115.70 lm/W	Rendimento	100.00%
Flusso Lampade	4570.00 lm	Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	CG	Asimmetrico

Tabella Intensità Luminose - cd/klm **Tabella 18/18**

	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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EN ISO/IEC 17050

Il sottoscritto, rappresentante il seguente costruttore

Costruttore: **AEC ILLUMINAZIONE S.r.l.**

Indirizzo: Via A. Righi, 4 - Zona industriale Castelnuovo - 52010 Subbiano (AR) - Italia

dichiara qui di seguito che il prodotto

ITALO 1 CL. II

apparecchio di illuminazione stradale

risulta in conformità a quanto previsto dalle seguenti direttive comunitarie

2014/35/UE (direttiva bassa tensione)
Direttiva del Parlamento Europeo e del Consiglio, del 26 febbraio 2014, concernente l'armonizzazione delle legislazioni degli Stati membri relative alla messa a disposizione sul mercato del materiale elettrico destinato a essere adoperato entro taluni limiti di tensione

2014/30/UE (direttiva di compatibilità elettromagnetica)
Direttiva del Parlamento Europeo e del Consiglio, del 26 febbraio 2014, concernente l'armonizzazione delle legislazioni degli Stati membri relative alla compatibilità elettromagnetica

2011/65/UE (RoHS)
Direttiva del Parlamento Europeo e del Consiglio, dell'8 giugno 2011, sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche

2009/125/CE (ERP - Eco design)
Direttiva del Parlamento europeo e del Consiglio, del 21 ottobre 2009 , relativa all'istituzione di un quadro per l'elaborazione di specifiche per la progettazione ecocompatibile dei prodotti connessi all'energia

1194/2012 (ERP - Eco design)
Regolamento (UE) della Commissione, del 12 dicembre 2012 , recante modalità di applicazione della direttiva 2009/125/CE del Parlamento europeo e del Consiglio in merito alle specifiche per la progettazione ecocompatibile delle lampade direzionali, delle lampade con diodi a emissione luminosa e delle pertinenti apparecchiature

e che sono state applicate tutte le norme e/o specifiche tecniche indicate sul retro.

Ultime due cifre dell'anno in cui è stata affissa la marcatura CE **/15**

Subbiano, 18/09/2015

AEC ILLUMINAZIONE S.r.l.
Alessandro Cini

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Riferimento relativo alle norme e/o specifiche tecniche, o parti di esse, utilizzate per la presente dichiarazione di conformità:

- norme armonizzate:

numero	data	classif.	ediz.	titolo
CEI EN 60598-1	2009-08	34-21	IX	Apparecchi di illuminazione Prescrizioni generali e prove
CEI EN 60598-2-1	1997-10	34-23	II	Apparecchi di illuminazione - Prescrizioni particolari Apparecchi fissi per uso generale
CEI EN 60598-2-3 + A1	2003-10 2012-04	34-33	IV	Apparecchi di illuminazione - Prescrizioni particolari Apparecchi di illuminazione stradale
CEI EN 62471	2010-01	76-9	I	Sicurezza fotobiologica delle lampade e dei sistemi di lampada
CEI EN 62493	2010-09	34-130	-	Valutazione delle apparecchiature di illuminazione relativamente all'esposizione umana ai campi elettromagnetici
CEI EN 55015 + A2	2008-04 2009-10	110-2	VI	Limiti e metodi di misura delle caratteristiche di radiodisturbo degli apparecchi di illuminazione elettrici e degli apparecchi analoghi
CEI EN 61000-3-2 + A1/A2	2007-04 2011-09	110-31	IV	Compatibilità elettromagnetica (EMC) - Limiti Limiti per le emissioni di corrente armonica (apparecchiature con corrente di ingresso <= 16 A per fase)
CEI EN 61000-3-3	2009-09	210-96	II	Compatibilità elettromagnetica (EMC) - Limiti Limitazione delle variazioni di tensioni, fluttuazioni di tensione e del flicker in sistemi di alimentazione in bassa tensione per apparecchiature con corrente nominale <= 16 A per fase e non soggette ad allacciamento su condizione
CEI EN 61547	2010-03	34-75	-	Apparecchiature per illuminazione generale Prescrizioni di immunità EMC
CEI EN 50581	2013-05	111-57	-	Documentazione tecnica per la valutazione dei prodotti elettrici ed elettronici in relazione alla restrizione delle sostanze pericolose

- altre norme e/o specifiche tecniche:

numero	data	classif.	ediz.	titolo	Parti

- altri riferimenti:

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LISTA CODICI:

Series / Models	Supply voltage V	Hz	Insulation class	N° Led	Iout max mA	Pmax W	IP degree	t_a
ITALO 1 PIT1xywza01e_bb v.c******	220-240	50/60	⧈	3	350 525 700 900	17 24 31 40	IP66 IK09	35°C
ITALO 1 PIT1xywza01e_bb v.8******	220-230/240	50/60	⧈	3	350 525 700 900	17 24 31 40	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.c******	220-240	50/60	⧈	6	350 525 700 900	31 45 59 76	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.8******	220-230/240	50/60	⧈	6	350 525 700 900	31 45 59 76	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.c******	220-240	50/60	⧈	9	350 525 700 900	45 66 87 113	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.8******	220-230/240	50/60	⧈	9	350 525 700 900	45 66 87 113	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.c******	220-240	50/60	⧈	12	350 525 700 900	59 87 115 149	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.8******	220-230/240	50/60	⧈	12	350 525 700 900	59 87 115 149	IP66 IK09	35°C

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DICHIARAZIONE UE DI CONFORMITÀ

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LEGEND ITALO 1

x	Fixing Type	0 = post-top / bracket Ø33 - Ø60 1 = post-top / bracket Ø60 - Ø76 x = other type of fixing
y	Number of revision	0,1,2,…9,A,B,C….Z
w	Optic Type	A = STE-M B = STE-S C = STW w = Other type of optic
z	Colour temperature of LED	3 = 3000K 4 = 4000K 5 = 5000K 6 = 5700K z = Other temperature ≤ 5700K available
a	LED current	3 = 350 mA 5 = 525 mA 7 = 700 mA 9 = 900 mA k = other current ≤ 900 mA
e	Insulation class	1 = class I 2 = class II
bb	Finishing equipment	Letters or numbers indicating different colors of the luminaire for marketing purpose only and no impact safety related constructions and critical components.
v	Number of revision	It can be any alphanumeric value
c	Dimming version	0 = No dimming 1 = Dim-Auto 8 = PLM-R c = Other type of control
*	Code for internal use by manufacturer	
Note: the luminaire when provided with NEMA socket the IP degree is IP65		

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

Series / Models	Supply voltage V	Hz	Insulation class	N° Led	Iout max mA	Pmax W	IP degree	t_a
ITALO 1 PIT1xywza01e_bb v.c******	220-240	50/60	⧈	3	350 525 700 900	14 19 25 31	IP66 IK09	35°C
ITALO 1 PIT1xywza01e_bb v.8******	220-230/240	50/60	⧈	3	350 525 700 900	14 19 25 31	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.c******	220-240	50/60	⧈	6	350 525 700 900	25 35 46 59	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.8******	220-230/240	50/60	⧈	6	350 525 700 900	25 35 46 59	IP66 IK 09	35°C
ITALO 1 PIT1xywza03e_bb v.c******	220-240	50/60	⧈	9	350 525 700 900	35 51 67 86	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.8******	220-230/240	50/60	⧈	9	350 525 700 900	35 51 67 86	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.c******	220-240	50/60	⧈	12	350 525 700 900	46 67 88 114	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.8******	220-230/240	50/60	⧈	12	350 525 700 900	46 67 88 114	IP66 IK09	35°C

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

LEGEND ITALO 1

x	Fixing Type	0 = post-top / bracket Ø33 - Ø60 1 = post-top / bracket Ø60 - Ø76 x = other type of fixing
y	Number of revision	0,1,2,…9,A,B,C….Z
w	Optic Type	D = STU-M E = STU-S F = SV w = Other type of optic
z	Colour temperature of LED	3 = 3000K 4 = 4000K 5 = 5000K 6 = 5700K z = Other temperature ≤ 5700K available
a	LED current	3 = 350 mA 5 = 525 mA 7 = 700 mA 9 = 900 mA k = other current ≤ 900 mA
e	Insulation class	1 = class I 2 = class II
bb	Finishing equipment	Letters or numbers indicating different colors of the luminaire for marketing purpose only and no impact safety related constructions and critical components.
v	Number of revision	It can be any alphanumeric value
c	Dimming version	0 = No dimming 1 = Dim-Auto 8 = PLM-R c = Other type of control
*	Code for internal use by manufacturer	
Note: the luminaire when provided with NEMA socket the IP degree is IP65		

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

Series / Models	Supply voltage V	Hz	Insulation class	N° Led	Iout max mA	Pmax W	IP degree	t_a
ITALO 1 PIT1xywza01e_bb v.c******	220-240	50/60	⧈	2	350 525 700 900	13 17 22 28	IP66 IK09	35°C
ITALO 1 PIT1xywza01e_bb v.8******	220-230/240	50/60	⧈	2	350 525 700 900	13 17 22 28	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.c******	220-240	50/60	⧈	4	350 525 700 900	22 31 41 52	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.8******	220-230/240	50/60	⧈	4	350 525 700 900	22 31 41 52	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.c******	220-240	50/60	⧈	6	350 525 700 900	31 45 59 76	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.8******	220-230/240	50/60	⧈	6	350 525 700 900	31 45 59 76	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.c******	220-240	50/60	⧈	8	350 525 700 900	41 59 78 101	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.8******	220-230/240	50/60	⧈	8	350 525 700 900	41 59 78 101	IP66 IK09	35°C

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

LEGEND ITALO 1

x	Fixing Type	0 = post-top / bracket Ø33 - Ø60 1 = post-top / bracket Ø60 - Ø76 x = other type of fixing
y	Number of revision	0,1,2,…9,A,B,C….Z
w	Optic Type	L = STA (Solo AS/NZ) M = STA1 (Solo AS/NZ) w = Other type of optic
z	Colour temperature of LED	3 = 3000K 4 = 4000K 5 = 5000K 6 = 5700K z = Other temperature ≤ 5700K available
a	LED current	3 = 350 mA 5 = 525 mA 7 = 700 mA 9 = 900 mA k = other current ≤ 900 mA
e	Insulation class	1 = class I 2 = class II
bb	Finishing equipment	Letters or numbers indicating different colors of the luminaire for marketing purpose only and no impact safety related constructions and critical components.
v	Number of revision	It can be any alphanumeric value
c	Dimming version	0 = No dimming 1 = Dim-Auto 8 = PLM-R c = Other type of control
*	Code for internal use by manufacturer	
Note: the luminaire when provided with NEMA socket the IP degree is IP65		

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

Series / Models	Supply voltage V	Hz	Insulation class	N° Led	Iout max mA	Pmax W	IP degree	t_a
ITALO 1 PIT1xywza01e_bb v.c******	220-240	50/60	⧈	8	350 525 700 900	13 18 23 29	IP66 IK09	35°C
ITALO 1 PIT1xywza01e_bb v.8******	220-230/240	50/60	⧈	8	350 525 700 900	13 18 23 29	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.c******	220-240	50/60	⧈	16	350 525 700 900	23 33 43 55	IP66 IK09	35°C
ITALO 1 PIT1xywza02e_bb v.8******	220-230/240	50/60	⧈	16	350 525 700 900	23 33 43 55	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.c******	220-240	50/60	⧈	24	350 525 700 900	33 49 64 81	IP66 IK09	35°C
ITALO 1 PIT1xywza03e_bb v.8******	220-230/240	50/60	⧈	24	350 525 700 900	33 49 64 81	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.c******	220-240	50/60	⧈	32	350 525 700 900	43 64 84 107	IP66 IK09	35°C
ITALO 1 PIT1xywza04e_bb v.8******	220-230/240	50/60	⧈	32	350 525 700 900	43 64 84 107	IP66 IK09	35°C

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DICHIARAZIONE UE DI CONFORMITÀ

EN ISO/IEC 17050

LEGEND ITALO 1

x	Fixing Type	0 = post-top / bracket Ø33 - Ø60 1 = post-top / bracket Ø60 - Ø76 x = other type of fixing
y	Number of revision	0,1,2,…9,A,B,C….Z
w	Optic Type	H = SL w = Other type of optic
z	Colour temperature of LED	3 = 3000K 4 = 4000K 5 = 5000K 6 = 5700K z = Other temperature ≤ 5700K available
a	LED current	3 = 350 mA 5 = 525 mA 7 = 700 mA 9 = 900 mA k = other current ≤ 900 mA
bb	Finishing equipment	Letters or numbers indicating different colors of the luminaire for marketing purpose only and no impact safety related constructions and critical components.
e	Insulation class	1 = class I 2 = class II
c	Dimming version	0 = No dimming 1 = Dim-Auto 8 = PLM-R c = Other type of control
*	Code for internal use by manufacturer	
Note: the luminaire when provided with NEMA socket the IP degree is IP65		

English Version

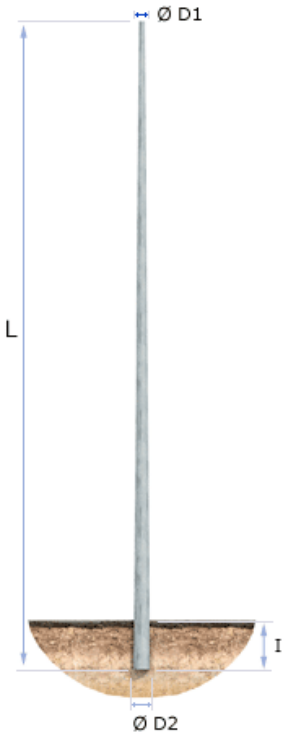
PetrucciPali
pali in acciaio e torri faro per illuminazione

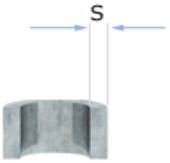
PALI TRAFILATI
CONICI
CONICI CURVATI
RASTREMATI
PALI CONICI DA LAMIERA
DIRITTI
CURVATI I
CURVATI II
PALI SALDATI RASTREMATI
STANDARD
FUORI STANDARD
PALI POLIGONALI
POLIGONALI
ACCESSORI
SBRACCI SEMPLICI CURVATI-STANDARD
SBRACCI DOPPI CURVATI-STANDARD
SBRACCI A SQUADRO SEMPLICI-STANDARD
SBRACCI A SQUADRO DOPPI-NO STANDARD
ACCOPPIATORI PER SBRACCI-STANDARD
TESTA PALO
STAFFA PORTA PROIETTORI
LAVORAZIONI ED ACCESSORI
LAVORAZIONI STANDARD ALLA BASE
ARREDO URBANO
ACCESSO AREA RISERVATA

Pali Trafilati Conici

Dimensioni espresse in millimetri - peso espresso in chilogrammi

	ART.	D2	D1	S	L	I	peso
*	P2C	88,9	60	3,2	4000	500	25
*	P3C	88,9	60	3,2	5200	500	32
	P4C	88,9	60	3,2	5500	500	34
	P7C	101,6	60	3,2	6000	800	41
*	P9C	114,3	60	3,4	6000	800	50
*	P10C	114,3	60	3,4	6800	800	57
*	P11C	114,3	60	3,4	7800	800	65
	P12C	114,3	60	3,4	8800	800	73
	P13C	114,3	60	3,4	9300	800	77
	P16C	127	60	3,6	6800	800	65
*	P17C	127	60	3,6	7800	800	77
*	P18C	127	60	3,6	8800	800	86
*	P19C	127	60	3,6	9300	800	90
*	P20C	127	60	3,6	9800	800	94
	P21C	127	60	3,6	10300	800	98
	P22C	127	60	3,6	10800	800	104
	P23C	127	60	3,6	11300	800	109
	P25C	139,7	65	3,8	8800	800	97
*	P26C	139,7	65	3,8	9300	800	103
*	P27C	139,7	65	3,8	9800	800	107
	P28C	139,7	65	3,8	10300	800	113
*	P29C	139,7	65	3,8	10800	800	118
*	P30C	139,7	65	3,8	11300	800	123
	P31C	139,7	65	3,8	12300	800	135
	P59C	139,7	65	3,8	12800	800	140
	P35C	152,4	90	4,0	9800	800	135
	P37C	152,4	90	4,0	10800	800	150
	P40C	152,4	90	4,0	12800	800	180
	P43C	168,3	90	4,0	8800	800	132
	P44C	168,3	90	4,0	9800	800	148
	P46C	168,3	90	4,0	10800	800	160
	P49C	168,3	90	4,0	12800	800	190





* pali di produzione correntet
n.b. pali di lunghezza superiore a mm 12.000 verranno forniti di due tronchi

Caratteristiche Tecniche

Esecuzione:
Pali rastremati o conici, sono ricavati mediante un processo di trafilatura a caldo alla temperatura di 700° C, da tubo in acciaio ERW.

Materiale
Acciaio calmato del tipo S275 JR UNI EN 10219 zincabile a caldo con caratteristiche minime:
Carico unitario di resistenza e trazione R ≥ 410 N/mm²
Carico unitario di snervamento S ≥ 275 N/mm²
Allungamento A ≥ 21 %

Tolleranze
Diametro esterno alla base ± 1 %
Spessore alla base ± 10 %
Peso variabile in base alle tolleranze sul diametro e sullo spessore

Lunghezza totale ± 25 mm per pali fino a 10.000 mm, per altezze superiori ± 0,6 %
Rettilineità ± 0,3 % sulla lunghezza totale

Protezione
Zincatura a caldo per immersione in bagno di zinco fuso secondo norme EN ISO 1461.

Dimensioni
Tutte le misure relative ai pali di Vs. interesse, possono essere ricavate dalla tabella poco sopra.

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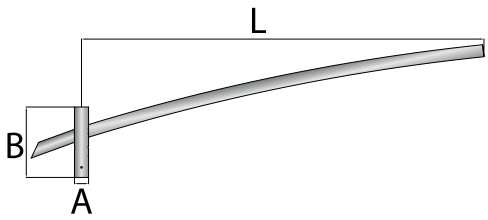
info@petruccipali.it

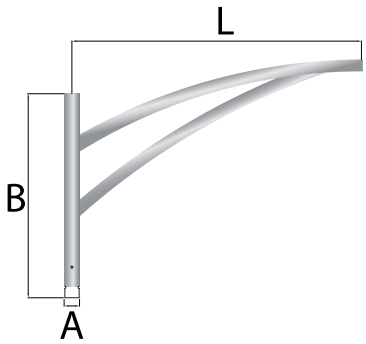
TESTA PALO BOLOGNA



In acciaio S235 JRH (Fe 360b) UNI EN 10219, zincato a caldo secondo UNI EN ISO 1461, verniciato colore peltro bugnato.

articolo	descrizione	A mm	B mm	L mm	peso kg	conf. pz
TSBO35200	singolo	70	350	2.000	13,00	1
TDBO35200	doppio	70	350	2.000	23,00	1

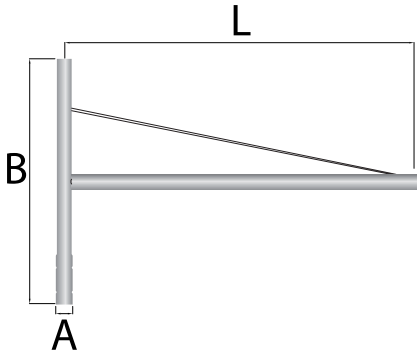
TESTA PALO CATANZARO



In acciaio S235 JRH (Fe 360b) UNI EN 10219, zincato a caldo secondo UNI EN ISO 1461, verniciato colore peltro bugnato.

articolo	descrizione	A mm	B mm	L mm	peso kg	conf. pz
TSCZ100150	singolo	70	1.000	1.500	18,00	1
TDCZ100150	doppio	70	1.000	1.500	33,00	1

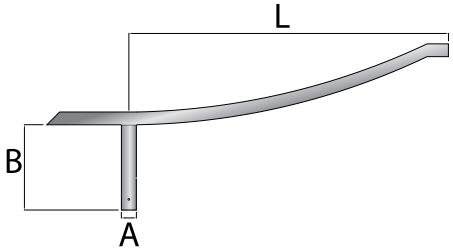
TESTA PALO SALERNO



In acciaio S235 JRH (Fe 360b) UNI EN 10219, zincato a caldo secondo UNI EN ISO 1461, verniciato colore peltro bugnato.

articolo	descrizione	A mm	B mm	L mm	peso kg	conf. pz
TSSA100150	singolo	68	1.000	1.500	13,00	1
TDSA100150	doppio	68	1.000	1.500	20,00	1

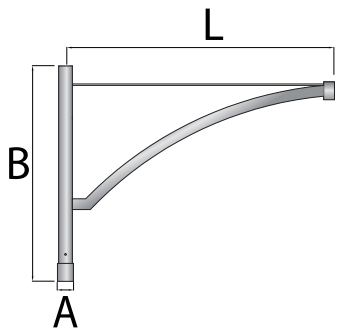
TESTA PALO L'AQUILA



In acciaio S235 JRH (Fe 360b) UNI EN 10219, zincato a caldo secondo UNI EN ISO 1461, verniciato colore peltro bugnato.

articolo	descrizione	A mm	B mm	L mm	peso kg	conf. pz
TSAQ40150	singolo	68	400	1.500	12,00	1
TDAQ40150	doppio	68	400	1.500	21,00	1

TESTA PALO BOLZANO



In acciaio S235 JRH (Fe 360b) UNI EN 10219, zincato a caldo secondo UNI EN ISO 1461, verniciato colore peltro bugnato.

articolo	descrizione	A mm	B mm	L mm	peso kg	conf. pz
TSBZ120150	singolo	76	1.200	1.500	16,00	1
TDBZ120150	doppio	76	1.200	1.500	32,00	1

A RICHIESTA POSSONO ESSERE PRODOTTI TESTA PALO CON FORME, LUNGHEZZE E DIAMETRI DIVERSI DA QUELLI INDICATI