

COMUNE di VENEZIA

Provincia di VENEZIA

VARIANTE DI INIZIATIVA PUBBLICA AL PROGRAMMA DI RECUPERO URBANO
"EX DEPOSITO ACTV" E PIANO PARTICOLAREGGIATO PER ATTREZZATURE
ECONOMICHE E VERDE PUBBLICO IN VIA TORINO A MESTRE (VE)

RESPONSABILE DEL PROCEDIMENTO :
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COLLABORATORI:
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GEOM. ANDREA CASELLA

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COLLABORATORI:
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ING. DARIO CORRO'

CONTENUTO TAVOLA:

**DOCUMENTAZIONE DI CUI ALLA L.R. VENETO 17/2009
RELATIVA AL CONTENIMENTO DELL'INQUINAMENTO LUMINOSO**

NR ELABORATO:

44

Data: OTTOBRE 2012

Scala:

Nome file: All_44_relazione inquinamento luminoso

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<p align="center">CERTIFICAZIONE DI RISPONDENZA DEL PROGETTO ILLUMINOTECNICO ALLA L.R. VENETO 17/2009</p>
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Il sottoscritto Andrea Berro, con studio di progettazione con sede in via Roma n° 132/2 CAP 30030 comune Pianiga Prov. Venezia tel. 041 469758 fax 041 5199098 e-mail info@studioberro.it, iscritto all'Albo dell'Ordine degli Ingegneri della provincia di Venezia al n° 3013, progettista dell'impianto d'illuminazione delle seguenti aree:

- Rotatoria tra Via Torino e Corso del Popolo
- Parcheggio nuovo Centro Commerciale
- Strada di accesso al Centro Commerciale

DICHIARA

sotto la propria personale responsabilità che l'impianto è stato progettato in conformità alla legge della Regione Veneto n. 17 del 07/08/09 " *Nuove norme per il contenimento dell'inquinamento luminoso, il risparmio energetico nell'illuminazione per esterni e per la tutela dell'ambiente e dell'attività svolta dagli osservatori astronomici.*", art. 9, ed alle successive integrazioni e modifiche, avendo in particolare:

- riportato dettagliatamente nel progetto illuminotecnico esecutivo tutti gli elementi per una installazione corretta ed ai sensi della L.R. 17/2009;
- rispettato le indicazioni tecniche della L.R. 17/2009 medesima, e realizzato una relazione illuminotecnica a completamento del progetto, che dimostri la completa applicazione della L.R. 17/09 medesima;
- seguito la normativa tecnica applicabile all'impiego e nello specifico la norma UNI 11248 e quindi di aver realizzato un progetto a "regola d'arte"
- corredato il progetto illuminotecnico della documentazione di seguito elencata:
 - Relazione che dimostra il rispetto delle disposizioni di legge della L.r. 17/09 e succ. integrazioni,
 - Calcoli illuminotecnici e risultati illuminotecnici
 - Documentazione relativa alle misurazioni fotometriche degli apparecchi illuminanti in forma tabellare numerica su supporto cartaceo e sotto forma di file normalizzato Eulumdat o analogo verificabile. Tali dati sono stati certificati e sottoscritti, circa la loro veridicità, dal responsabile tecnico del laboratorio di misura e sono accompagnati da dichiarazione di veridicità delle misure effettuate dal medesimo soggetto.

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, qualora dopo averlo segnalato alla società installatrici, la stessa proceda comunque in una scorretta installazione (non conforme alla L.R. 17/2009) dei corpi illuminanti. In tal caso il progettista si impegna a segnalarlo al committente (pubblico o privato), in forma scritta,
Pianiga, Agosto 2012

Il progettista
Ing. Andrea Berro

**C DOCUMENTAZIONE RELATIVA ALLE MISURAZIONI FOTOMETRICHE
DELL'APPARECCHIO ILO LED ST 36 LED**



**DICHIARAZIONE
DI CONFORMITÀ**

Il seguente costruttore

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

Indirizzo: Zona industriale Castelnuovo n°256
52010 Subbiano (AR) - Italia

dichiara qui di seguito che il prodotto

**ILO LED ST 36 LED CL.2' BR L.200MM ATT.D.102 6000 K GRAFITE
Cod. PILTC0362001_01**

apparecchio di illuminazione per l'installazione fissa

presenta caratteristiche fotometriche conformi a quanto previsto dalla seguente legge

Regione Veneto - Legge Regionale n° 17 del 7 agosto 2009

Subbiano, 06/04/10
[PL]

AEC ILLUMINAZIONE S.r.l.

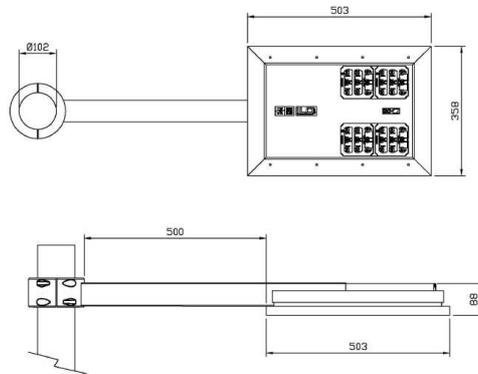
www.aecilluminazone.com

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Tel. +39.0575.42151 • Fax +39.0575.420878 • www.aecilluminazone.com • e-mail: aec@aecilluminazone.it
Cap. Soc. € 1.560.000,00 • Reg. Soc. Trib. Arezzo n. 4478 • C/C Postale 13141528 • CCIAA Arezzo 72908 • M 051476 • P. IVA 00343170510

Scheda Prodotto



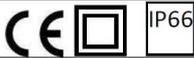
DIVISIONE TECNICA - REV01-11



ILO LED 1B ST 4.5-36 DA 500

CARATTERISTICHE PRINCIPALI

Applicazioni	illuminazione stradale
Gruppo ottico	ST: ottica asimmetrica per illuminazione stradale Temperatura di colore: 3950K CRI typical: 65 Classe sicurezza fotobiologica: EXEMPT GROUP Efficienza sorgente LED: 130lm/W
Classe di isolamento	II
Grado di protezione	IP66
Montaggio	BR 500: braccio 500mm con anello adattatore (su pali con terminazione Ø102)
Dimensioni e peso	503x358x88mm Peso: 13.5kg
Norme di riferimento	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3



CARATTERISTICHE ELETTRICHE

Alimentazione	220÷240V 50/60Hz (altre tensioni su richiesta)
Corrente LED	525mA
Fattore di potenza	>0,9 (a pieno carico)
Sistema di controllo	DA: dimmerazione automatica
Vita utile LED B20L80 (25°C)	≥ 70.000hr

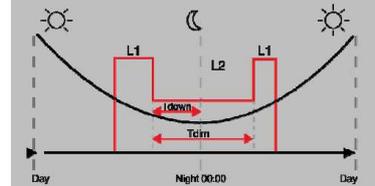
MATERIALI

Anello adattatore	Alluminio pressofuso
Corpo/Dissipatore	Alluminio estruso
Ottica	Policarbonato, metallizzato, alta efficienza
Schermo	Vetro temperato spessore 4mm
Pressacavo	Plastico M.20x1,5 - IP68
Cablaggio	Su piastra estraibile
Connessione rete	Cavo uscente 2x1,5mmq
Colore	Grafite (Cod. 01)

Flusso iniziale apparecchio (Ta=25°C, 3950K)		Potenza nominale (Vin=230Vac)
36 LED	5000lm	59W

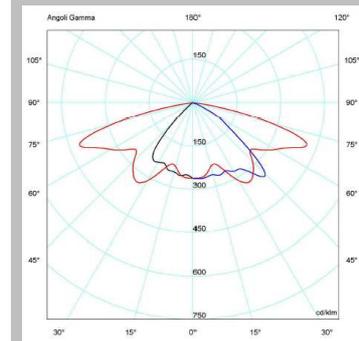


OPZIONE DIM - AUTO



	L1	L2	Tdim	Tdown
PROFILO 0	100%	50%	6 Hr	2 Hr
PROFILO 1	100%	66%	6 Hr	0 Hr
PROFILO 2	100%	50%	8 Hr	2 Hr

L1: LIVELLO DI POTENZA NOMINALE DELLA LAMPADA.
 L2: LIVELLO DI POTENZA DELLA LAMPADA DURANTE LA REGOLAZIONE.
 Tdim: INTERVALLO DI REGOLAZIONE.
 Tdown: PERIODO PRECEDENTE ALLA MEZZANOTTE DI RIFERIMENTO DURANTE IL QUALE INIZIA LA REGOLAZIONE DELLA LUCE.



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

Rilievo fotometrico

Photometric measurement

Responsabile laboratorio fotometrico <i>(Photometric Laboratory manager)</i>	Luca Vagheggi	
Tecnico laboratorio che ha eseguito la misura <i>(Laboratory operator)</i>	Alessio Vagheggi	

OGGETTO DELLE PROVE

(Object of tests)

Costruttore <i>(Manufacturer)</i>	AEC ILLUMINAZIONE SRL
Tipo di prodotto <i>(Product type)</i>	Apparecchio di illuminazione per esterni <i>(Outdoor lighting fixture)</i>
Codice fotometria <i>(Photometry code)</i>	AEC11532
Rilievo fotometrico <i>(Photometric measurement)</i>	ILO-1B-ST-023
Descrizione apparecchio <i>(Fitting description)</i>	ILO LED 1B ST 4.5-36
Data delle prove <i>(Date of test)</i>	14-05-2012
Numero di esemplari provati <i>(Number of test samples)</i>	1
Numero rilievi <i>(Number of measurements)</i>	1

DATI APPARECCHIO

(Fitting data)

Geometria apparecchio <i>(Fitting shape)</i>	Rettangolare
Dimensioni apparecchio <i>(Fitting dimensions)</i>	503x358x88mm
Dimensioni area luminosa <i>(Luminous area dimensions)</i>	200x200mm
Tipo e potenza lampada <i>(Lamp power and version)</i>	36 LEDs 3950K 65CRI 5000lm 59W
Efficienza sorgente <i>(Source efficiency)</i>	117lm/W
Efficienza sistema <i>(System efficiency)</i>	85lm/W*

*L'efficienza sistema è riferita ad un apparecchio con cablaggio a corrente fissa, senza nessun altro dispositivo collegato.

*System efficiency is referred to a luminaire with fixed wiring, without any other device.



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www.aecilluminazione.com

Rilievo fotometrico

Photometric measurement

NORMATIVE DI RIFERIMENTO

(Reference standards)

Normative di riferimento (Reference standards)	UNI EN 13032-1:2012 "Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione" Parte1: Misurazione e formato di file. UNI 11356:2010 "Caratterizzazione fotometrica degli apparecchi di illuminazione a LED"
Valutazione luce parassita (Light inside evaluation)	In accordo con Annex A UNI EN 13032-1 (According to Annex A UNI EN 13032-1)

CONDIZIONI DI PROVA E STRUMENTAZIONI DI MISURA

(Test conditions and measuring instruments)

Laboratorio fotometrico (Photometric laboratory)	Interno AEC ILLUMINAZIONE srl, in regime di sistema di qualità aziendale certificato ISO 9001:2008 (Internal AEC ILLUMINAZIONE srl, under ISO 9001:2008 quality system)		
Condizioni ambientali (Environmental conditions)	Temperatura ambiente 25 ^o +/- 1 ^o C (Ambient temperature)		
	Umidità relativa 50+/-5% (Relative umidity)		
	Movimento aria nell'area di prova <0.2m/s (Air flow in the test area)		
Condizioni geometriche di misura (Geometrical test conditions)	In conformità alla UNI EN 13032-1:2012, alle specifiche tecniche dello strumento di misura ed alle specifiche tecniche dell'apparecchio in prova. (According to UNI EN 13032-1:2012, technical specification of measuring instrument and technical specification of fixture under test.)		
Goniofotometro (Goniophotometer)	<input type="checkbox"/> LAB 1	PRC KROCHMAN 702	
	<input checked="" type="checkbox"/> LAB 2	Oxytech	
	Distanza di misura (Measuring distance)	<input checked="" type="checkbox"/> 9.03m	<input type="checkbox"/> 14m
Alimentazione campione in prova (Power supply of tested sample)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B)		
	<input checked="" type="checkbox"/> Stabilizzatore ELETTROTEST TPS/M (Stabilizer ELETTROTEST TPS/M)		
	Tensione di alimentazione 230V +/- 0.1% (AC power supply voltage)		
	Distorsione armonica <0.1% (Harmonic distortion)		

I risultati delle verifiche e prove qui riportati, si riferiscono esclusivamente agli esemplari esaminati e descritti nella presente Relazione. L'estensione del riferimento ad esemplari che non siano quelli sottoposti alle verifiche descritte in seguito esula dallo scopo delle verifiche stesse. E' vietata la riproduzione integrale o parziale senza l'autorizzazione scritta di Aec Illuminazione srl.

(Result of tests and verification here reported are solely recere to the samples under test and described in this report. Scope of tests described in this report cannot be extended to other samples different to those referred. Partial or integral reproduction or copy of this report is forbldden without written authorization by AEC Illuminazione srl.)

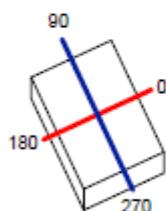
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Apparecchio		Rilievo		Lampada	
Codice ILO-1B-ST-023		Codice ILO-1B-ST-023		Codice L-ILO LED-ST-4.5-36	
Nome ILO LED 1B ST 4.5-36 5000lm		Nome ILO LED 1B ST 4.5-36 5000lm		Numero 1	
Archivio Eulumdat		Data 14-05-2012		Posizione	
Rendimento	100.00%	Sistema Coordinate	C-G	Flusso Totale	5000.00 lm
Valore Massimo	509.73 cd/klm	Posizione	C=35.00 G=52.00	Asimmetrico	
Apparecchio Rettangolare	Lung. 503 mm	Larg. 358 mm	Alt. 88 mm		
Area Luminosa Rettangolare	Lung. 200 mm	Larg. 200 mm	Alt. 0 mm		
Area Luminosa Orizzontale	0.040000 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°	0.009677 m2		
Tipo di Simmetria	Asimmetrico	Massimo Angolo Gamma	180		
Distanza di rilievo	0.00	Flusso di rilievo	5000.00 lm		
Operatore	Alessio Vagheggi	Tensione alimentazione			
Temperatura	25.00 °C	Corrente alim.			
Umidità	60.00 %	Fotocellula			
Note					

Lampade Apparecchio						
Archivio	Codice	Nome	Flusso lm	Pot. W	Q.ta	
Eulumdat	L-ILO LED-ST-4.5-36	L-ILO LED-ST-4.5-36 - 59.00 W	5000.00	59.00	1	
C.I.E.	41 77 97					D DIN 5040
F UTE	1.00 E					B NBN
						A30
						BZ 5

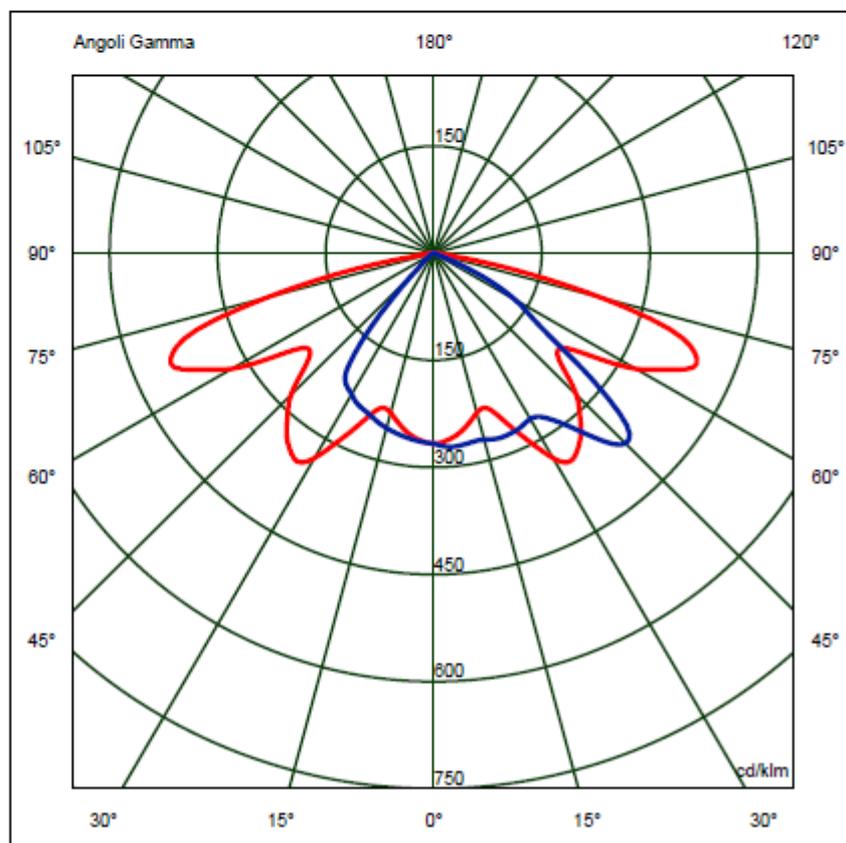
503mm x 358mm



Semipiani C

180.0 — 0.0
 270.0 — 90.0

ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Apparecchio	Rilievo	Lampada											
Codice ILO-1B-ST-023	Codice ILO-1B-ST-023	Codice L-ILO LED-ST-4.5-36											
Nome ILO LED 1B ST 4.5-36 5000lm	Nome ILO LED 1B ST 4.5-36 5000lm	Numero 1											
Archivio Eulumdat	Data 14-05-2012	Posizione											
Rendimento 100.00%	Sistema Coordinate C-G	Flusso Totale 5000.00 lm											
Tabella Intensità Luminose - cd/klm													
Tabella 1/12						Tabella 1/12							
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	265.50	265.27	265.46	265.79	266.11	266.47	266.83	267.19	267.52	267.83	268.13	268.40	268.65
G 4.0	262.70	262.76	263.27	263.96	264.69	265.45	266.21	266.98	267.72	268.42	269.04	269.59	270.08
G 6.0	258.97	259.29	260.21	261.35	262.56	263.75	264.86	265.91	266.89	267.80	268.62	269.30	269.94
G 8.0	254.31	254.80	256.24	257.95	259.72	261.27	262.51	263.60	264.61	265.58	266.52	267.52	268.53
G 10.0	248.33	249.31	251.34	253.64	255.87	257.63	258.95	260.13	261.26	262.38	263.58	264.78	265.97
G 12.0	241.36	243.16	245.70	248.35	250.79	252.59	254.10	255.68	257.11	258.49	260.05	261.66	263.25
G 14.0	234.26	237.22	239.98	242.54	244.84	246.54	248.26	250.28	252.27	254.20	256.42	258.88	261.23
G 16.0	228.71	232.97	235.51	237.52	239.31	240.63	242.34	244.60	247.17	249.91	253.07	256.80	260.29
G 18.0	227.46	232.48	234.21	235.38	236.28	236.93	238.25	240.12	242.77	246.31	250.65	255.69	260.16
G 20.0	234.19	237.71	238.10	238.15	237.62	237.44	238.06	239.06	241.36	245.42	250.50	255.81	260.27
G 22.0	249.11	249.10	247.91	246.51	243.99	242.63	242.35	242.64	244.51	248.28	252.69	256.50	259.69
G 24.0	267.58	265.25	262.58	259.72	254.83	251.90	250.43	250.48	251.99	254.50	256.70	257.65	258.94
G 26.0	287.14	284.20	280.22	275.82	268.84	264.42	261.50	261.16	262.16	262.80	262.15	260.63	260.37
G 28.0	309.01	304.18	299.16	292.94	284.41	278.85	274.72	273.57	273.01	271.65	268.92	265.41	263.68
G 30.0	331.18	322.84	317.27	309.19	299.78	293.44	288.71	286.22	283.45	280.92	276.50	270.38	266.54
G 32.0	345.68	336.74	331.80	322.80	313.13	306.51	301.31	296.54	292.57	290.43	284.06	275.08	268.91
G 34.0	346.77	343.01	340.30	332.37	323.70	317.47	311.00	303.69	300.42	298.98	291.41	280.91	273.04
G 36.0	339.63	341.85	342.81	338.68	333.15	327.82	319.06	310.16	308.51	307.63	301.04	290.84	281.92
G 38.0	330.50	336.83	343.56	346.32	346.55	342.20	330.34	320.83	320.07	321.18	317.61	308.55	298.17
G 40.0	317.74	331.84	348.02	361.16	369.21	365.88	350.94	340.30	339.53	344.26	343.19	335.23	323.18
G 42.0	303.04	327.98	357.17	383.46	400.53	399.10	382.57	369.56	368.28	375.24	375.51	368.66	356.11
G 44.0	288.97	323.41	366.54	406.21	432.76	435.46	420.42	405.78	401.93	408.30	410.07	404.30	392.56
G 46.0	268.89	315.04	370.38	421.05	456.12	465.62	456.21	442.64	434.45	437.70	440.29	434.04	422.28
G 48.0	243.41	301.46	365.20	423.28	464.22	481.93	482.75	474.32	461.49	457.49	456.72	447.97	434.57
G 50.0	225.03	286.71	354.35	415.62	457.77	482.22	496.39	497.68	481.42	465.26	454.11	440.65	422.55
G 52.0	219.15	278.86	348.01	408.14	444.33	470.91	497.69	509.73	492.11	462.89	436.06	413.13	385.76
G 54.0	226.00	283.77	353.35	409.27	433.29	457.30	491.60	508.68	487.44	448.17	407.25	370.11	331.10
G 56.0	250.01	301.52	370.94	422.38	432.45	451.12	485.14	496.71	464.57	416.31	367.41	318.16	271.61
G 58.0	288.88	326.52	398.48	448.12	445.34	456.70	482.49	477.68	427.34	367.74	317.23	265.81	220.10
G 60.0	323.85	350.30	429.75	478.72	465.90	472.71	485.53	456.02	380.99	308.61	263.18	220.88	182.32
G 62.0	346.89	367.83	456.19	500.61	482.04	482.04	494.19	435.42	331.34	250.05	214.28	185.53	156.39
G 64.0	371.99	381.55	470.99	504.88	485.42	508.41	498.99	414.39	284.55	201.05	174.90	156.98	135.83
G 66.0	393.88	392.38	467.37	488.39	476.39	502.81	482.65	381.20	241.33	159.11	140.75	129.84	112.60
G 68.0	393.87	391.79	438.50	450.25	453.19	466.53	432.97	324.74	195.97	122.17	106.66	98.24	82.19
G 70.0	378.85	370.44	385.14	391.52	406.75	398.77	352.80	248.42	146.86	89.78	72.76	63.35	50.68
G 72.0	345.25	326.44	317.00	316.68	331.93	310.20	261.78	171.75	100.29	59.65	43.92	35.58	27.70
G 74.0	279.95	264.18	243.65	235.10	242.11	218.21	179.62	111.81	62.39	34.47	25.00	20.38	16.29
G 76.0	200.56	193.76	171.88	159.15	160.32	139.63	113.91	68.91	36.29	19.33	14.97	13.10	11.35
G 78.0	125.24	127.84	109.10	98.14	97.86	81.74	65.39	39.11	20.98	11.80	9.73	8.93	7.91
G 80.0	60.38	75.05	61.12	54.40	53.65	43.14	33.71	20.58	12.31	7.61	6.55	6.09	5.25
G 82.0	19.19	38.28	29.42	26.28	25.30	20.38	16.15	10.50	7.22	4.96	4.44	4.11	3.50
G 84.0	4.02	16.48	11.92	10.95	10.41	8.94	7.65	5.44	4.12	3.13	2.91	2.64	2.33
G 86.0	1.11	5.90	4.13	4.09	4.05	3.76	3.49	2.66	2.12	1.71	1.67	1.50	1.38
G 88.0	0.39	1.78	1.25	1.40	1.46	1.37	1.30	1.03	0.86	0.67	0.74	0.67	0.66
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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio		Rilievo						Lampada						
Codice	ILO-1B-ST-023	Codice	ILO-1B-ST-023						Codice	L-ILO LED-ST-4.5-36				
Nome	ILO LED 1B ST 4.5-36 5000lm	Nome	ILO LED 1B ST 4.5-36 5000lm						Numero	1				
Archivio	Eulumdat	Data	14-05-2012						Posizione					
Rendimento	100.00%	Sistema Coordinate				C-G	Flusso Totale		5000.00 lm					
Tabella Intensità Luminose - cd/klm													Tabella 2/12	
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	
G 2.0	268.87	269.05	269.21	269.34	269.41	269.43	269.41	269.34	269.21	269.05	268.87	268.65	268.40	
G 4.0	270.54	270.96	271.30	271.54	271.70	271.76	271.70	271.54	271.30	270.96	270.54	270.08	269.59	
G 6.0	270.56	271.13	271.60	271.97	272.23	272.39	272.23	271.97	271.60	271.13	270.56	269.94	269.30	
G 8.0	269.40	270.09	270.65	271.12	271.45	271.58	271.45	271.12	270.65	270.09	269.40	268.53	267.52	
G 10.0	267.11	268.22	269.22	269.93	270.35	270.50	270.35	269.93	269.22	268.22	267.11	266.07	264.78	
G 12.0	264.81	266.28	267.57	268.64	269.33	269.54	269.33	268.64	267.57	266.28	264.81	263.25	261.66	
G 14.0	263.36	265.23	266.73	268.15	269.18	269.48	269.18	268.15	266.73	265.23	263.36	261.23	258.88	
G 16.0	263.10	265.48	267.64	269.57	270.79	271.11	270.79	269.57	267.64	265.48	263.10	260.29	256.80	
G 18.0	263.38	266.01	268.74	271.40	273.02	273.44	273.02	271.40	268.74	266.01	263.38	260.16	255.69	
G 20.0	263.21	265.68	268.41	271.38	273.71	274.55	273.71	271.38	268.41	265.68	263.21	260.27	255.81	
G 22.0	262.28	264.92	267.88	270.86	273.26	274.22	273.26	270.86	267.88	264.92	262.28	259.69	256.50	
G 24.0	261.36	264.90	268.38	271.02	272.90	273.56	272.90	271.02	268.38	264.90	261.36	258.94	257.65	
G 26.0	261.80	265.15	268.29	270.32	271.86	272.19	271.86	270.32	268.29	265.15	261.80	260.37	260.63	
G 28.0	263.53	264.55	266.04	267.67	269.34	269.84	269.34	267.67	266.04	264.55	263.53	263.68	265.41	
G 30.0	264.70	263.35	263.40	264.97	267.12	268.03	267.12	264.97	263.40	263.35	264.70	266.54	270.38	
G 32.0	265.70	263.61	263.60	265.33	268.26	269.88	268.26	265.33	263.60	263.61	265.70	268.91	275.08	
G 34.0	268.99	267.76	269.07	270.77	274.96	277.83	274.96	270.77	269.07	267.76	268.99	273.04	280.91	
G 36.0	277.18	276.70	279.79	281.56	287.20	291.43	287.20	281.56	279.79	276.70	277.18	281.92	290.84	
G 38.0	291.90	291.26	295.58	297.71	304.42	309.02	304.42	297.71	295.58	291.26	291.90	298.17	308.55	
G 40.0	313.72	311.64	316.56	319.35	326.83	330.89	326.83	319.35	316.56	311.64	313.72	323.18	335.23	
G 42.0	342.59	336.84	340.56	343.08	349.81	354.94	349.81	343.08	340.56	336.84	342.59	356.11	368.66	
G 44.0	374.42	361.46	361.09	360.98	366.22	372.89	366.22	360.98	361.09	361.46	374.42	392.56	404.30	
G 46.0	399.50	376.46	369.85	366.39	369.39	376.32	369.39	366.39	369.85	376.46	399.50	422.28	434.04	
G 48.0	406.88	373.04	359.19	351.85	353.25	360.95	353.25	351.85	359.19	373.04	406.88	434.57	447.97	
G 50.0	387.85	345.12	324.21	312.58	312.12	316.95	312.12	312.58	324.21	345.12	387.85	422.55	440.65	
G 52.0	340.89	292.14	268.49	256.45	256.19	258.88	256.19	256.45	268.49	292.14	340.89	385.76	413.13	
G 54.0	277.27	228.12	208.97	201.98	203.53	203.88	203.53	201.98	208.97	228.12	277.27	331.10	370.11	
G 56.0	216.51	174.45	163.31	162.83	168.90	170.02	168.90	162.83	163.31	174.45	216.51	271.61	318.16	
G 58.0	171.56	138.89	133.85	137.55	146.88	149.94	146.88	137.55	133.85	138.89	171.56	220.10	265.81	
G 60.0	141.32	115.64	113.29	118.41	127.21	130.37	127.21	118.41	113.29	115.64	141.32	182.32	220.88	
G 62.0	120.68	98.52	95.79	100.52	106.37	107.44	106.37	100.52	95.79	98.52	120.68	156.39	185.53	
G 64.0	104.97	83.63	77.15	80.15	82.49	80.58	82.49	80.15	77.15	83.63	104.97	135.83	156.98	
G 66.0	86.24	66.37	54.86	55.08	53.76	48.73	53.76	55.08	54.86	66.37	86.24	112.60	129.84	
G 68.0	59.76	44.84	32.33	30.45	27.20	22.05	27.20	30.45	32.33	44.84	59.76	82.19	98.24	
G 70.0	34.21	25.58	16.93	15.11	13.57	8.91	13.57	15.11	16.93	25.58	34.21	50.68	63.35	
G 72.0	19.16	15.06	10.46	9.04	8.34	7.31	8.34	9.04	10.46	15.06	19.16	27.70	35.58	
G 74.0	12.80	10.80	7.89	6.75	6.10	5.42	6.10	6.75	7.89	10.80	12.80	16.29	20.38	
G 76.0	9.55	8.02	5.84	5.09	4.55	4.00	4.55	5.09	5.84	8.02	9.55	11.35	13.10	
G 78.0	6.58	5.53	4.16	3.71	3.31	3.02	3.31	3.71	4.16	5.53	6.58	7.91	8.93	
G 80.0	4.27	3.79	3.15	2.80	2.52	2.40	2.52	2.80	3.15	3.79	4.27	5.25	6.09	
G 82.0	2.97	2.72	2.49	2.15	1.90	1.83	1.90	2.15	2.49	2.72	2.97	3.50	4.11	
G 84.0	2.06	1.92	1.85	1.57	1.35	1.31	1.35	1.57	1.85	1.92	2.06	2.33	2.64	
G 86.0	1.28	1.20	1.17	1.03	0.87	0.85	0.87	1.03	1.17	1.20	1.28	1.38	1.50	
G 88.0	0.64	0.57	0.57	0.56	0.46	0.42	0.46	0.56	0.57	0.57	0.64	0.66	0.67	
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 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 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 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 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 100.0	0.00	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 102.0	0.00	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 104.0	0.00	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 106.0	0.00	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 108.0	0.00	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 110.0	0.00	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 112.0	0.00	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 114.0	0.00	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 116.0	0.00	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 118.0	0.00	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 120.0	0.00	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 122.0	0.00	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 124.0	0.00	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 126.0	0.00	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 128.0	0.00	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 130.0	0.00	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 132.0	0.00	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 134.0	0.00	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 136.0	0.00	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 138.0	0.00	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 140.0	0.00	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 142.0	0.00	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 144.0	0.00	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	ILO-1B-ST-023	Codice	ILO-1B-ST-023	Codice	L-ILO LED-ST-4.5-36
Nome	ILO LED 1B ST 4.5-36 5000lm	Nome	ILO LED 1B ST 4.5-36 5000lm	Numero	1
Archivio	Eulumdat	Data	14-05-2012	Posizione	

Rendimento	100.00%				Sistema Coordinate C-G				Flusso Totale 5000.00 lm				
Tabella Intensità Luminose - cd/klm								Tabella 3/12					
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	268.13	267.83	267.52	267.19	266.83	266.47	266.11	265.79	265.46	265.27	265.50	264.93	264.80
G 4.0	269.04	268.42	267.72	266.98	266.21	265.45	264.69	263.96	263.27	262.76	262.70	262.05	261.88
G 6.0	268.82	267.80	266.89	265.91	264.86	263.75	262.56	261.35	260.21	259.29	258.97	258.17	258.05
G 8.0	266.52	265.58	264.61	263.60	262.51	261.27	259.72	257.95	256.24	254.80	254.31	253.25	253.25
G 10.0	263.58	262.38	261.26	260.13	258.95	257.63	255.87	253.64	251.34	249.31	248.33	247.43	247.62
G 12.0	260.05	258.49	257.11	255.68	254.10	252.59	250.79	248.35	245.70	243.16	241.36	241.13	241.53
G 14.0	256.42	254.20	252.27	250.28	248.26	246.54	244.84	242.54	239.98	237.22	234.26	235.14	235.57
G 16.0	253.07	249.91	247.17	244.60	242.34	240.63	239.31	237.52	235.51	233.97	228.71	231.02	231.02
G 18.0	250.65	246.31	242.77	240.12	238.25	236.93	236.28	235.38	234.21	232.48	227.46	231.02	229.82
G 20.0	250.50	245.42	241.36	239.06	238.06	237.44	237.62	238.15	238.10	237.71	234.19	236.86	233.77
G 22.0	252.69	248.28	244.51	242.64	242.35	242.63	243.99	246.51	247.91	249.10	249.11	248.34	243.29
G 24.0	256.70	254.50	251.99	250.48	250.43	251.90	254.83	259.72	262.58	265.25	267.58	263.87	257.05
G 26.0	262.15	262.80	262.16	261.16	261.50	264.42	268.84	275.82	280.22	284.20	287.14	281.89	273.14
G 28.0	268.92	271.65	273.01	273.57	274.72	278.85	284.41	292.94	299.16	304.18	309.01	300.96	290.16
G 30.0	276.50	280.92	283.45	286.22	288.71	293.44	299.78	309.19	317.27	322.84	331.18	318.42	306.21
G 32.0	284.06	290.43	292.57	296.54	301.31	306.51	313.13	322.80	331.80	336.74	345.68	330.59	318.40
G 34.0	291.41	298.98	300.42	303.69	311.00	317.47	323.70	332.37	340.30	343.01	346.77	335.02	324.31
G 36.0	301.04	307.63	308.51	310.16	319.06	327.82	333.15	338.68	342.81	341.85	339.63	332.04	323.32
G 38.0	317.61	321.18	320.07	320.83	330.34	342.20	346.55	346.32	343.56	336.83	330.50	322.86	315.46
G 40.0	343.19	344.26	339.53	340.30	350.94	365.88	369.21	361.16	348.02	331.84	317.74	307.65	300.22
G 42.0	375.51	375.24	368.28	369.56	382.57	399.10	400.53	383.46	357.17	327.98	303.04	286.83	277.20
G 44.0	410.07	408.30	401.93	405.78	420.42	435.46	432.76	406.21	366.54	323.41	288.97	262.03	247.49
G 46.0	440.29	437.70	434.45	442.64	456.21	465.62	456.12	421.05	370.38	315.04	268.89	235.99	215.37
G 48.0	456.72	457.49	461.49	474.32	482.75	481.93	464.22	423.28	365.20	301.46	243.41	213.08	188.39
G 50.0	454.11	465.26	481.42	497.68	496.39	482.22	457.77	415.62	354.35	286.71	225.03	198.22	173.08
G 52.0	436.06	462.89	492.11	509.73	497.69	470.91	444.33	408.14	348.01	278.86	219.15	194.33	170.85
G 54.0	407.25	448.17	487.44	508.68	491.60	457.30	433.29	409.27	353.35	283.77	226.00	202.28	179.28
G 56.0	367.41	416.31	464.57	496.71	485.14	451.12	432.45	422.38	370.94	301.52	250.01	221.83	194.38
G 58.0	317.23	367.74	427.34	477.68	482.49	456.70	445.34	448.12	398.48	326.52	288.68	250.32	211.71
G 60.0	263.18	308.61	380.99	456.02	485.53	472.71	465.90	478.72	429.75	350.30	323.85	282.07	228.83
G 62.0	214.28	250.05	331.34	435.42	494.19	493.70	482.04	500.61	456.19	367.83	346.89	311.54	246.67
G 64.0	174.90	201.05	284.55	414.39	498.99	508.41	485.42	504.88	470.99	381.55	371.99	334.68	264.40
G 66.0	140.75	159.11	241.33	381.20	482.65	502.81	476.39	488.39	467.37	392.38	393.88	347.46	276.39
G 68.0	106.66	122.17	195.97	324.74	432.97	466.53	453.19	450.25	438.50	391.79	393.87	347.63	277.20
G 70.0	72.76	89.78	146.86	248.42	352.80	398.77	406.75	391.52	385.14	370.44	378.85	334.56	263.79
G 72.0	43.92	59.65	100.29	171.75	261.78	310.20	331.93	316.68	317.00	326.44	345.25	305.77	235.21
G 74.0	25.00	34.47	62.39	111.81	179.72	218.21	242.11	235.10	243.65	264.18	279.95	259.45	194.34
G 76.0	14.97	19.33	36.29	68.91	113.91	139.63	160.32	159.15	171.88	193.76	200.56	199.40	146.28
G 78.0	9.73	11.80	20.98	39.11	65.39	81.74	97.86	98.14	109.10	127.84	125.24	135.15	96.64
G 80.0	6.55	7.61	12.31	20.58	33.71	43.14	53.65	54.40	61.12	75.05	60.38	78.37	53.10
G 82.0	4.44	4.96	7.22	10.50	16.15	20.38	25.30	26.28	29.42	38.28	19.19	37.63	23.08
G 84.0	2.91	3.13	4.12	5.44	7.65	8.94	10.41	10.95	11.92	16.48	4.02	14.54	7.78
G 86.0	1.67	1.71	2.12	2.66	3.49	3.76	4.05	4.09	4.13	5.90	1.11	4.48	2.13
G 88.0	0.74	0.67	0.86	1.03	1.30	1.37	1.46	1.40	1.25	1.78	0.39	1.13	0.51
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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio				Rilievo				Lampada					
Codice ILO-1B-ST-023				Codice ILO-1B-ST-023				Codice L-ILO LED-ST-4.5-36					
Nome ILO LED 1B ST 4.5-36 5000lm				Nome ILO LED 1B ST 4.5-36 5000lm				Numero 1					
Archivio Eulumdat				Data 14-05-2012				Posizione					
Rendimento	100.00%			Sistema Coordinate C-G				Flusso Totale 5000.00 lm					
Tabella Intensità Luminosa - cd/klm													
Tabella 4/12													
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	264.78	264.78	264.84	264.92	264.99	265.03	265.08	265.14	265.20	265.27	265.34	265.39	265.42
G 4.0	261.89	261.98	262.11	262.26	262.45	262.66	262.90	263.14	263.43	263.73	263.98	264.21	264.39
G 6.0	258.20	258.43	258.66	258.91	259.22	259.57	259.93	260.31	260.70	261.12	261.56	262.00	262.40
G 8.0	253.62	254.05	254.43	254.84	255.35	255.90	256.45	256.94	257.43	257.98	258.61	259.26	259.87
G 10.0	248.17	248.83	249.43	250.04	250.76	251.60	252.44	253.20	253.92	254.71	255.61	256.55	257.45
G 12.0	242.12	242.93	243.71	244.51	245.52	246.73	247.97	249.04	250.02	251.18	252.55	253.90	255.07
G 14.0	235.97	236.74	237.52	238.41	239.61	241.18	242.93	244.43	245.73	247.21	249.02	250.91	252.47
G 16.0	230.78	231.07	231.53	232.32	233.43	234.99	237.13	239.25	241.10	242.94	245.05	247.34	249.31
G 18.0	228.17	227.32	226.79	227.07	227.80	228.98	231.05	233.56	236.02	238.33	240.71	243.25	245.55
G 20.0	229.88	226.88	224.36	223.43	223.35	224.00	225.52	227.74	230.43	233.23	235.99	238.81	241.36
G 22.0	236.48	230.29	224.78	221.80	220.30	220.20	221.00	222.45	224.71	227.64	231.00	234.44	237.41
G 24.0	246.84	237.16	228.16	222.29	218.54	217.22	217.25	217.89	219.32	222.00	225.96	230.34	233.90
G 26.0	259.52	246.47	234.05	224.91	218.27	215.11	213.99	213.88	214.42	216.62	221.01	226.25	230.39
G 28.0	273.49	257.01	241.32	229.05	219.43	213.93	211.21	210.25	209.85	211.39	215.83	221.53	226.18
G 30.0	287.56	268.09	249.12	233.56	220.92	213.12	208.77	206.73	205.47	206.22	210.15	215.73	221.04
G 32.0	299.93	278.82	256.91	237.79	222.12	212.04	205.98	202.69	200.94	201.29	204.49	209.78	215.89
G 34.0	308.19	287.10	263.26	240.82	222.42	209.87	201.76	197.13	195.55	196.49	199.39	204.05	210.76
G 36.0	310.04	289.98	265.55	240.76	220.23	205.33	195.42	189.74	188.99	191.11	193.33	196.23	201.14
G 38.0	304.18	284.67	260.45	235.07	213.56	196.96	186.21	180.52	181.09	183.22	182.97	181.34	180.94
G 40.0	289.57	269.17	245.18	220.98	199.90	182.34	171.44	166.80	168.48	168.39	163.77	155.19	148.67
G 42.0	265.55	243.32	219.56	197.49	177.84	159.36	148.11	144.87	146.03	142.25	133.63	119.85	108.90
G 44.0	233.77	210.36	187.34	167.49	149.51	130.31	117.79	114.93	114.28	107.28	96.94	82.29	70.64
G 46.0	199.46	176.88	155.21	137.20	120.66	101.17	86.91	82.97	80.35	72.78	62.92	51.60	42.62
G 48.0	170.68	150.19	129.69	113.34	98.14	78.17	62.21	56.56	52.91	47.02	39.55	32.94	27.82
G 50.0	153.89	134.53	114.09	99.26	84.71	63.73	46.51	39.40	35.75	31.91	27.59	24.24	21.61
G 52.0	149.81	129.71	107.82	93.24	77.08	55.01	38.08	30.67	27.30	24.58	22.07	20.00	18.17
G 54.0	155.00	132.56	107.90	90.48	70.24	48.17	33.86	27.29	23.98	21.24	18.75	16.98	15.42
G 56.0	164.04	137.14	108.25	85.18	61.69	41.93	31.54	25.96	22.44	19.24	16.16	14.48	13.27
G 58.0	170.81	136.47	101.64	73.07	50.77	35.64	29.30	24.34	20.67	17.36	14.05	12.43	11.56
G 60.0	172.77	128.73	87.15	55.90	38.73	29.12	25.04	21.56	18.06	15.29	12.39	10.67	9.86
G 62.0	172.76	117.14	70.15	39.90	28.56	23.03	20.76	18.05	15.08	13.35	11.31	9.25	8.08
G 64.0	172.61	102.84	54.28	28.59	21.45	17.90	16.50	14.76	12.47	11.99	10.71	8.12	6.53
G 66.0	169.54	85.58	40.65	21.45	16.79	14.14	13.31	12.21	10.48	10.97	10.10	7.10	5.45
G 68.0	161.16	68.73	30.92	17.08	13.62	11.52	11.06	10.22	8.88	9.60	8.80	6.17	4.70
G 70.0	147.13	56.04	25.13	14.21	11.12	9.50	9.16	8.38	7.45	7.73	6.88	5.18	4.04
G 72.0	127.92	47.29	21.28	11.95	8.99	7.72	7.25	6.60	5.99	5.78	5.01	4.10	3.32
G 74.0	105.08	39.85	17.43	9.87	7.14	6.06	5.45	5.00	4.53	4.16	3.66	3.13	2.59
G 76.0	79.87	31.28	12.94	7.81	5.54	4.53	3.94	3.66	3.30	2.99	2.74	2.37	1.96
G 78.0	53.63	20.97	8.62	5.78	4.15	3.25	2.59	2.33	2.13	2.03	1.73	1.45	1.15
G 80.0	30.21	11.30	5.35	3.94	2.91	2.22	1.88	1.73	1.57	1.44	1.41	1.18	1.02
G 82.0	13.87	5.02	3.09	2.40	1.81	1.38	1.18	1.06	0.99	0.89	0.87	0.70	0.66
G 84.0	5.23	2.02	1.59	1.24	0.97	0.74	0.64	0.56	0.55	0.48	0.45	0.35	0.36
G 86.0	1.70	0.76	0.68	0.51	0.42	0.31	0.27	0.24	0.20	0.20	0.18	0.14	0.16
G 88.0	0.50	0.25	0.23	0.16	0.13	0.10	0.08	0.08	0.08	0.06	0.05	0.04	0.05
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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio				Rilievo				Lampada					
Codice ILO-1B-ST-023				Codice ILO-1B-ST-023				Codice L-ILO LED-ST-4.5-36					
Nome ILO LED 1B ST 4.5-36 5000lm				Nome ILO LED 1B ST 4.5-36 5000lm				Numero 1					
Archivio Eulumdat				Data 14-05-2012				Posizione					
Rendimento	100.00%				Sistema Coordinate C-G				Flusso Totale 5000.00 lm				
Tabella Intensità Luminosa - cd/klm													
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	265.46	265.48	265.47	265.48	265.46	265.42	265.39	265.34	265.27	265.20	265.14	265.08	265.03
G 4.0	264.50	264.56	264.58	264.56	264.50	264.39	264.21	263.98	263.73	263.43	263.14	262.90	262.66
G 6.0	262.68	262.86	262.95	262.86	262.68	262.40	262.00	261.56	261.12	260.70	260.31	259.93	259.57
G 8.0	260.38	260.71	260.84	260.71	260.38	259.87	259.26	258.61	257.98	257.43	256.94	256.45	255.90
G 10.0	258.21	258.72	258.92	258.72	258.21	257.45	256.55	255.61	254.71	253.92	253.20	252.44	251.60
G 12.0	256.06	256.75	257.04	256.75	256.06	255.07	253.90	252.55	251.18	250.02	249.04	247.97	246.73
G 14.0	253.65	254.48	254.83	254.48	253.65	252.47	250.91	249.02	247.21	245.73	244.43	242.93	241.18
G 16.0	250.73	251.70	252.13	251.70	250.73	249.31	247.34	245.05	242.94	241.10	239.25	237.13	234.99
G 18.0	247.29	248.45	248.97	248.45	247.29	245.55	243.25	240.71	238.33	236.02	233.56	231.05	228.98
G 20.0	243.50	244.98	245.60	244.98	243.50	241.36	238.81	235.99	233.23	230.43	227.74	225.52	224.00
G 22.0	239.92	241.63	242.28	241.63	239.92	237.41	234.44	231.00	227.64	224.71	222.45	221.00	220.20
G 24.0	236.89	238.91	239.63	238.91	236.89	233.90	230.34	225.96	222.00	219.32	217.89	217.25	217.22
G 26.0	233.84	236.29	237.09	236.29	233.84	230.39	226.25	221.01	216.62	214.42	213.88	213.99	215.11
G 28.0	229.99	232.47	233.31	232.47	229.99	226.18	221.53	215.83	211.39	209.85	210.25	211.21	213.93
G 30.0	225.33	227.56	228.21	227.56	225.33	221.04	215.73	210.15	206.22	205.47	206.73	208.77	213.12
G 32.0	220.41	222.91	223.71	222.91	220.41	215.89	209.78	204.49	201.29	200.94	202.69	205.98	212.04
G 34.0	214.69	217.45	219.09	217.45	214.69	210.76	204.05	199.39	196.49	195.55	197.13	201.76	209.87
G 36.0	202.74	204.89	207.01	204.89	202.74	201.14	196.23	193.33	191.11	188.99	189.74	195.42	205.33
G 38.0	177.69	178.15	179.12	178.15	177.69	180.94	181.34	182.97	183.22	181.09	180.52	186.21	196.96
G 40.0	139.57	137.83	137.45	137.83	139.57	148.67	155.19	163.77	168.39	168.48	166.80	171.44	182.34
G 42.0	95.83	91.36	90.39	91.36	95.83	108.90	119.85	133.63	142.25	146.03	144.87	148.11	159.36
G 44.0	57.39	51.99	50.91	51.99	57.39	70.64	82.29	96.94	107.28	114.28	114.93	117.79	130.31
G 46.0	33.02	28.56	27.72	28.56	33.02	42.62	51.60	62.92	72.78	80.35	82.97	86.91	101.17
G 48.0	22.89	21.23	21.23	21.23	22.89	28.89	32.94	39.55	47.02	52.91	56.56	62.21	78.17
G 50.0	18.94	18.27	18.45	18.27	18.94	21.61	24.24	27.59	31.91	35.75	39.40	46.51	63.73
G 52.0	16.11	15.44	15.52	15.44	16.11	18.17	20.00	22.07	24.58	27.30	30.67	38.08	55.01
G 54.0	13.70	12.82	12.61	12.82	13.70	15.42	16.98	18.75	21.24	23.98	27.29	33.86	48.17
G 56.0	11.95	10.94	10.48	10.94	11.95	13.27	14.48	16.16	19.24	22.44	25.96	31.54	41.93
G 58.0	10.58	9.54	9.02	9.54	10.58	11.56	12.43	14.05	17.36	20.67	24.34	29.04	35.64
G 60.0	9.05	8.10	7.60	8.10	9.05	9.86	10.67	12.39	15.29	18.06	21.56	25.30	29.12
G 62.0	7.25	6.50	6.26	6.50	7.25	8.08	9.25	11.31	13.35	15.08	18.05	20.76	23.03
G 64.0	5.66	5.11	4.98	5.11	5.66	6.53	8.12	10.71	11.99	12.47	14.78	16.50	17.90
G 66.0	4.59	4.18	4.12	4.18	4.59	5.45	7.10	10.10	10.97	10.48	12.21	13.31	14.14
G 68.0	3.86	3.52	3.45	3.52	3.86	4.70	6.17	8.80	9.60	8.88	10.22	11.06	11.52
G 70.0	3.22	2.90	2.78	2.90	3.22	4.04	5.18	6.88	7.73	7.45	8.38	9.16	9.50
G 72.0	2.58	2.31	2.22	2.31	2.58	3.32	4.10	5.01	5.78	5.99	6.60	7.25	7.72
G 74.0	2.02	1.82	1.76	1.82	2.02	2.59	3.13	3.66	4.16	4.53	5.00	5.45	6.06
G 76.0	1.57	1.43	1.36	1.43	1.57	1.96	2.37	2.74	2.99	3.30	3.66	3.94	4.53
G 78.0	1.20	1.08	1.03	1.08	1.20	1.45	1.73	2.03	2.13	2.33	2.59	2.77	3.25
G 80.0	0.87	0.77	0.72	0.77	0.87	1.02	1.18	1.41	1.44	1.57	1.73	1.88	2.22
G 82.0	0.56	0.50	0.45	0.50	0.56	0.66	0.70	0.87	0.89	0.99	1.06	1.18	1.38
G 84.0	0.29	0.26	0.24	0.26	0.29	0.36	0.35	0.45	0.48	0.55	0.56	0.64	0.74
G 86.0	0.11	0.10	0.10	0.10	0.11	0.16	0.14	0.18	0.20	0.24	0.24	0.27	0.31
G 88.0	0.03	0.03	0.03	0.03	0.03	0.05	0.04	0.05	0.06	0.08	0.08	0.08	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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio		Rilievo		Lampada			
Codice	ILO-1B-ST-023	Codice	ILO-1B-ST-023	Codice	L-ILO LED-ST-4.5-36		
Nome	ILO LED 1B ST 4.5-36 5000lm	Nome	ILO LED 1B ST 4.5-36 5000lm	Numero	1		
Archivio	Eulumdat	Data	14-05-2012	Posizione			
Rendimento	100.00%	Sistema Coordinate	C-G	Flusso Totale	5000.00 lm		
Tabella Intensità Luminose - cd/klm				Tabella 6/12			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	264.99	264.92	264.84	264.78	264.78	264.80	264.93
G 4.0	262.45	262.26	262.11	261.98	261.89	261.88	262.05
G 6.0	259.22	258.91	258.66	258.43	258.20	258.20	258.17
G 8.0	255.35	254.84	254.43	254.05	253.62	253.25	253.25
G 10.0	250.76	250.04	249.43	248.83	248.17	247.62	247.43
G 12.0	245.52	244.51	243.71	242.93	242.12	241.53	241.13
G 14.0	239.61	238.41	237.52	236.74	235.97	235.57	235.14
G 16.0	233.43	232.32	231.53	231.07	230.78	231.02	231.02
G 18.0	227.80	227.07	226.79	227.32	228.17	229.82	231.02
G 20.0	223.35	223.43	224.36	226.88	229.88	233.77	236.86
G 22.0	220.30	221.80	224.78	230.29	236.48	243.29	248.34
G 24.0	218.54	222.29	228.16	237.16	246.84	257.05	263.87
G 26.0	218.27	224.91	234.05	246.47	259.52	273.14	281.89
G 28.0	219.43	229.05	241.32	257.01	273.49	290.16	300.96
G 30.0	220.92	233.56	249.12	268.09	287.56	306.21	318.42
G 32.0	222.12	237.79	256.91	278.82	299.93	318.40	330.59
G 34.0	222.42	240.82	263.26	287.10	308.19	324.31	335.02
G 36.0	220.23	240.76	265.55	289.98	310.04	323.32	332.04
G 38.0	213.56	235.07	260.45	284.67	304.18	315.46	322.86
G 40.0	199.90	220.98	245.18	269.17	289.57	300.22	307.65
G 42.0	177.84	197.49	219.56	243.32	265.55	277.20	286.83
G 44.0	149.51	167.49	187.34	210.36	233.77	247.49	262.03
G 46.0	120.66	137.20	155.21	176.88	199.46	215.37	235.99
G 48.0	98.14	113.34	129.69	150.19	170.68	188.39	213.08
G 50.0	84.71	99.26	114.09	134.53	153.89	173.08	198.22
G 52.0	77.08	93.24	107.82	129.71	149.81	170.85	194.33
G 54.0	70.24	90.48	107.90	132.56	155.00	179.28	202.28
G 56.0	61.69	85.18	108.25	137.14	164.04	194.38	221.83
G 58.0	50.77	73.07	101.64	136.47	170.81	211.71	250.32
G 60.0	38.73	55.90	87.15	128.73	172.77	228.83	282.07
G 62.0	28.56	39.90	70.15	117.14	172.76	246.67	311.54
G 64.0	21.45	28.59	54.28	102.84	172.61	264.40	334.68
G 66.0	16.79	21.45	40.65	85.58	169.54	276.39	347.46
G 68.0	13.62	17.08	30.92	68.73	161.16	277.20	347.63
G 70.0	11.12	14.21	25.13	56.04	147.13	263.79	334.56
G 72.0	8.99	11.95	21.28	47.29	127.92	235.21	305.77
G 74.0	7.14	9.87	17.43	39.85	105.08	194.34	259.45
G 76.0	5.54	7.81	12.94	31.28	79.87	146.28	199.40
G 78.0	4.15	5.78	8.62	20.97	53.63	96.64	135.15
G 80.0	2.91	3.94	5.35	11.30	30.21	53.10	78.37
G 82.0	1.81	2.40	3.09	5.02	13.87	23.08	37.63
G 84.0	0.97	1.24	1.59	2.02	5.23	7.78	14.54
G 86.0	0.42	0.51	0.68	0.76	1.70	2.13	4.48
G 88.0	0.13	0.16	0.23	0.25	0.50	0.51	1.13
G 90.0	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 94.0	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 98.0	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
G102.0	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
G106.0	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
G110.0	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
G114.0	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
G118.0	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
G122.0	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
G126.0	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
G130.0	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
G134.0	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
G138.0	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
G142.0	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

Apparecchio	Rilievo	Lampada
Codice ILO-1B-ST-023	Codice ILO-1B-ST-023	Codice L-ILO LED-ST-4.5-36
Nome ILO LED 1B ST 4.5-36 5000lm	Nome ILO LED 1B ST 4.5-36 5000lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate C-G Flusso Totale 5000.00 lm

Tabella Intensità Luminosa - cd/klm Tabella 7/12

	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-023	Codice ILO-1B-ST-023	Codice L-ILO LED-ST-4.5-36
Nome ILO LED 1B ST 4.5-36 5000lm	Nome ILO LED 1B ST 4.5-36 5000lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate C-G Flusso Totale 5000.00 lm

Tabella Intensità Luminosa - cd/klm Tabella 8/12

	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-023	Codice ILO-1B-ST-023	Codice L-ILO LED-ST-4.5-36
Nome ILO LED 1B ST 4.5-36 5000lm	Nome ILO LED 1B ST 4.5-36 5000lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate C-G Flusso Totale 5000.00 lm

Tabella Intensità Luminosa - cd/klm Tabella 9/12

	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-023				Codice ILO-1B-ST-023				Codice L-ILO LED-ST-4.5-36					
Nome ILO LED 1B ST 4.5-36 5000lm				Nome ILO LED 1B ST 4.5-36 5000lm				Numero 1					
Archivio Eulumdat				Data 14-05-2012				Posizione					
Rendimento	100.00%			Sistema Coordinate C-G				Flusso Totale 5000.00 lm					
Tabella Intensità Luminosa - cd/klm							Tabella 10/12						
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-023				Codice ILO-1B-ST-023				Codice L-ILO LED-ST-4.5-36					
Nome ILO LED 1B ST 4.5-36 5000lm				Nome ILO LED 1B ST 4.5-36 5000lm				Numero 1					
Archivio Eulumdat				Data 14-05-2012				Posizione					
Rendimento	100.00%			Sistema Coordinate C-G				Flusso Totale 5000.00 lm					
Tabella Intensità Luminosa - cd/klm							Tabella 11/12						
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-023				Codice ILO-1B-ST-023				Codice L-ILO LED-ST-4.5-36					
Nome ILO LED 1B ST 4.5-36 5000lm				Nome ILO LED 1B ST 4.5-36 5000lm				Numero 1					
Archivio Eulumdat				Data 14-05-2012				Posizione					
Rendimento	100.00%			Sistema Coordinate C-G				Flusso Totale 5000.00 lm					
Tabella Intensità Luminosa - cd/klm							Tabella 12/12						
				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			
			G148.0	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			
			G152.0	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			
			G156.0	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			
			G160.0	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			
			G164.0	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			
			G168.0	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			
			G172.0	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			
			G176.0	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			
			G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

**C DOCUMENTAZIONE RELATIVA ALLE MISURAZIONI FOTOMETRICHE
DELL'APPARECCHIO ILO LED ST 54 LED**



**DICHIARAZIONE
DI CONFORMITÀ**

Il seguente costruttore

Costruttore: **AEC ILLUMINAZIONE S.r.l.**
Indirizzo: Zona industriale Castelnuovo n°256
52010 Subbiano (AR) - Italia

dichiara qui di seguito che il prodotto

ILO LED ST 54 LED CL.2' BR L.200MM ATT.D.102 6000 K GRAFITE
Cod. PILTC0542001_01

apparecchio di illuminazione per l'installazione fissa

presenta caratteristiche fotometriche conformi a quanto previsto dalla seguente legge

Regione Veneto - Legge Regionale n° 17 del 7 agosto 2009

Subbiano, 18/01/10
[PL]

AEC ILLUMINAZIONE S.r.l.

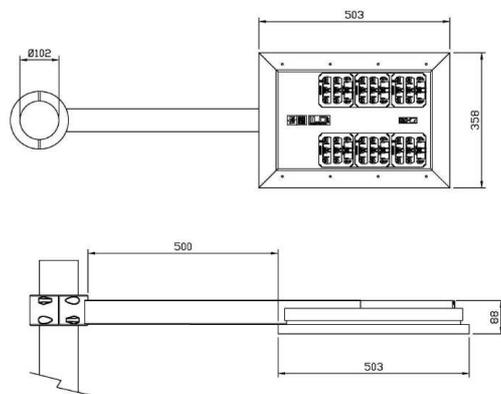
www.aecilluminazione.com

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Cap. Soc. € 1.560.000,00 - Reg. Soc. Trib. Arezzo n. 4478 - C/C Postale 13141528 - CCIAA Arezzo 72908 - M 051476 - P. IVA 00343170510

DIVISIONE TECNICA - REV 01-11

Scheda Prodotto

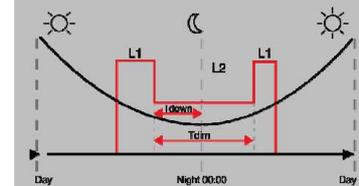




ILO LED 1B ST 4.5-54 DA 500		
CARATTERISTICHE PRINCIPALI		
Applicazioni	illuminazione urbana e stradale	
Gruppo ottico	ST: ottica asimmetrica per illuminazione urbana e stradale Temperatura di colore: 3950K CRI typical: 65 Classe sicurezza fotobiologica: EXEMPT GROUP Efficienza sorgente LED: 130lm/W	
Classe di isolamento	II	
Grado di protezione	IP66	
Montaggio	BR 500: braccio 500mm con anello adattatore (su pali con terminazione Ø102)	
Dimensioni e peso	503x358x88mm Peso: 13.5	
Norme di riferimento	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3	
 		
CARATTERISTICHE ELETTRICHE		
Alimentazione	220-240V 50/60Hz (altre tensioni su richiesta)	
Corrente LED	525mA	
Fattore di potenza	>0,9 (a pieno carico)	
Sistema di controllo	DA: dimmerazione automatica	
Vita utile LED B20L80 (25°C)	≥ 70.000hr	
MATERIALI		
Anello adattatore	Alluminio pressofuso	
Corpo/Dissipatore	Alluminio estruso	
Ottica	Policarbonato, metallizzato, alta efficienza	
Schermo	Vetro temperato spessore 4mm	
Pressacavo	Plastico M.20x1,5 – IP68	
Cablaggio	Su piastra estraibile	
Connessione rete	Cavo uscente 2x1,5mmq	
Colore	Grafite (Cod. 01)	
Flusso iniziale apparecchio (Ta=25°C, 3950K)	Potenza nominale (Vin=230Vac)	
54 LED	7350lm	87W

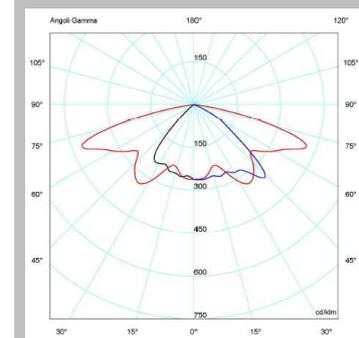


OPZIONE DIM - AUTO



	L1	L2	Tdim	Tdown
PROFILO 0	100%	50%	6 Hr	2 Hr
PROFILO 1	100%	66%	6 Hr	0 Hr
PROFILO 2	100%	50%	8 Hr	2 Hr

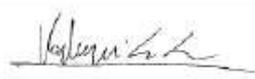
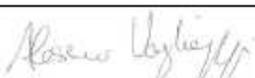
L1: LIVELLO DI POTENZA NOMINALE DELLA LAMPADA.
 L2: LIVELLO DI POTENZA DELLA LAMPADA DURANTE LA REGOLAZIONE.
 Tdim: INTERVALLO DI REGOLAZIONE.
 Tdown: PERIODO PRECEDENTE ALLA MEZZANOTTE DI RIFERIMENTO DURANTE IL QUALE INIZIA LA REGOLAZIONE DELLA LUCE.



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

Rilievo fotometrico

Photometric measurement

Responsabile laboratorio fotometrico <i>(Photometric Laboratory manager)</i>	Luca Vagheggi	
Tecnico laboratorio che ha eseguito la misura <i>(Laboratory operator)</i>	Alessio Vagheggi	

OGGETTO DELLE PROVE

(Object of tests)

Costruttore <i>(Manufacturer)</i>	AEC ILLUMINAZIONE SRL
Tipo di prodotto <i>(Product type)</i>	Apparecchio di illuminazione per esterni <i>(Outdoor lighting fixture)</i>
Codice fotometria <i>(Photometry code)</i>	AEC11533
Rilievo fotometrico <i>(Photometric measurement)</i>	ILO-1B-ST-024
Descrizione apparecchio <i>(Fitting description)</i>	ILO LED 1B ST 4.5-54
Data delle prove <i>(Date of test)</i>	14-05-2012
Numero di esemplari provati <i>(Number of test samples)</i>	1
Numero rilievi <i>(Number of measurements)</i>	1

DATI APPARECCHIO

(Fitting data)

Geometria apparecchio <i>(Fitting shape)</i>	Rettangolare
Dimensioni apparecchio <i>(Fitting dimensions)</i>	503x358x88mm
Dimensioni area luminosa <i>(Luminous area dimensions)</i>	300x200mm
Tipo e potenza lampada <i>(Lamp power and version)</i>	54 LEDs 3950K 65CRI 7350lm 87W
Efficienza sorgente <i>(Source efficiency)</i>	117lm/W
Efficienza sistema <i>(System efficiency)</i>	85lm/W*

*L'efficienza sistema è riferita ad un apparecchio con cablaggio a corrente fissa, senza nessun altro dispositivo collegato.

*System efficiency is referred to a luminaire with fixed wiring, without any other device.



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www.aecilluminazione.com

Rilievo fotometrico

Photometric measurement

NORMATIVE DI RIFERIMENTO

(Reference standards)

Normative di riferimento (Reference standards)	UNI EN 13032-1:2012 "Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione" Parte1: Misurazione e formato di file. UNI 11356:2010 "Caratterizzazione fotometrica degli apparecchi di illuminazione a LED"
Valutazione luce parassita (Light inside evaluation)	In accordo con Annex A UNI EN 13032-1 (According to Annex A UNI EN 13032-1)

CONDIZIONI DI PROVA E STRUMENTAZIONI DI MISURA

(Test conditions and measuring instruments)

Laboratorio fotometrico (Photometric laboratory)	Interno AEC ILLUMINAZIONE srl, in regime di sistema di qualità aziendale certificato ISO 9001:2008 (Internal AEC ILLUMINAZIONE srl, under ISO 9001:2008 quality system)		
Condizioni ambientali (Environmental conditions)	Temperatura ambiente 25 ^o +/- 1 ^o C (Ambient temperature)		
	Umidità relativa 50+/-5% (Relative umidity)		
	Movimento aria nell'area di prova <0.2m/s (Air flow in the test area)		
Condizioni geometriche di misura (Geometrical test conditions)	In conformità alla UNI EN 13032-1:2012, alle specifiche tecniche dello strumento di misura ed alle specifiche tecniche dell'apparecchio in prova. (According to UNI EN 13032-1:2012, technical specification of measuring instrument and technical specification of fixture under test.)		
Goniometro (Goniophotometer)	<input type="checkbox"/> LAB 1	PRC KROCHMAN 702	
	<input checked="" type="checkbox"/> LAB 2	Oxytech	
Distanza di misura (Measuring distance)	<input checked="" type="checkbox"/> 9.03m	<input type="checkbox"/> 14m	<input type="checkbox"/> 17m
Alimentazione campione in prova (Power supply of tested sample)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B)		
	<input checked="" type="checkbox"/> Stabilizzatore ELETTROTEST TPS/M (Stabilizer ELETTROTEST TPS/M)		
	Tensione di alimentazione 230V+/-0.1% (AC power supply voltage)		
	Distorsione armonica <0.1% (Harmonic distortion)		

I risultati delle verifiche e prove qui riportati, si riferiscono esclusivamente agli esemplari esaminati e descritti nella presente Relazione. L'estensione del riferimento ad esemplari che non siano quelli sottoposti alle verifiche descritte in seguito esula dallo scopo delle verifiche stesse. E' vietata la riproduzione integrale o parziale senza l'autorizzazione scritta di Aec Illuminazione srl.

(Result of tests and verification here reported are solely recere to the samples under test and described in this report. Scope of tests described in this report cannot be extended to other samples different to those referred. Partial or integral reproduction or copy of this report is forbidden without written authorization by AEC Illuminazione srl.)

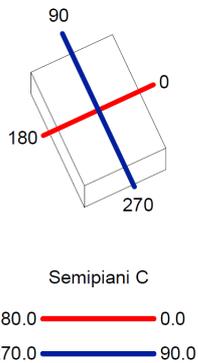


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www.aecilluminazione.com

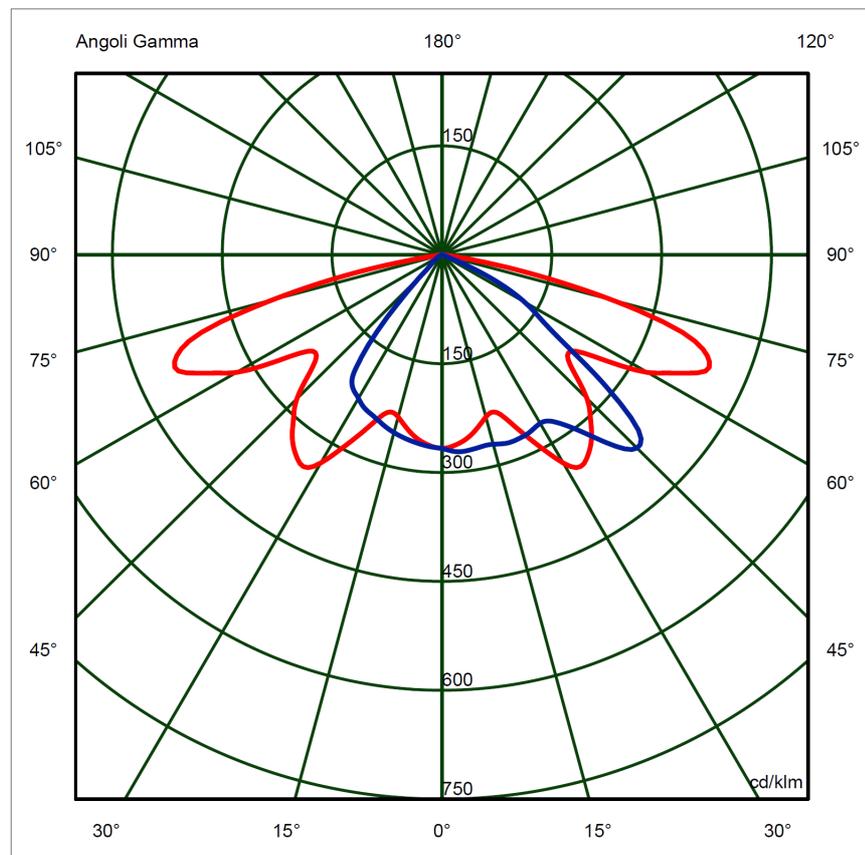
Apparecchio		Rilievo		Lampada	
Codice	ILO-1B-ST-024	Codice	ILO-1B-ST-024	Codice	L-ILO LED-ST-4.5-54
Nome	ILO LED 1B ST 4.5-54 7350lm	Nome	ILO LED 1B ST 4.5-54 7350lm	Numero	1
Archivio	Eulumdat	Data	14-05-2012	Posizione	
Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	7350.00 lm
Valore Massimo	509.73 cd/klm	Posizione	C=35.00 G=52.00	Asimmetrico	
Apparecchio Rettangolare	Lung. 503 mm	Larg. 358 mm	Alt. 88 mm		
Area Luminosa Rettangolare	Lung. 300 mm	Larg. 200 mm	Alt. 0 mm		
Area Luminosa Orizzontale	0.060000 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°	0.014515 m2		
Tipo di Simmetria	Asimmetrico	Massimo Angolo Gamma	180		
Distanza di rilievo	0.00	Flusso di rilievo	7350.00 lm		
Operatore	Alessio Vagheggi	Tensione alimentazione			
Temperatura	25.00 °C	Corrente di alimentazione			
Umidità	60.00 %	Fotocellula			
Note					

Archivio	Codice	Lampade Apparecchio		Nome	Flusso [lm]	Pot. [W]	Q.tà
Eulumdat	L-ILO LED-ST-4.5-54			L-ILO LED-ST-4.5-54 - 87.00 W	7350.00	87.00	1
C.I.E.	41 77 97 100 100			D DIN 5040			
F UTE	1.00 E			B NBN			
				A30			
				BZ 5			

503mm x 358mm



ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



Apparecchio		Rilievo						Lampada					
Codice	ILO-1B-ST-024	Codice	ILO-1B-ST-024						Codice	L-ILO LED-ST-4.5-54			
Nome	ILO LED 1B ST 4.5-54 7350lm	Nome	ILO LED 1B ST 4.5-54 7350lm						Numero	1			
Archivio	Eulumdat	Data	14-05-2012						Posizione				
Rendimento	100.00%						Sistema	Coordinate	CG	Flusso Totale	7350.00 lm		
Tabella Intensità Luminose - cd/klm													
Tabella 1/12													
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	265.50	265.27	265.46	265.79	266.11	266.47	266.83	267.19	267.52	267.83	268.13	268.40	268.65
G 4.0	262.70	262.76	263.27	263.96	264.69	265.45	266.21	266.98	267.72	268.42	269.04	269.59	270.08
G 6.0	258.97	259.29	260.21	261.35	262.56	263.75	264.86	265.91	266.89	267.80	268.62	269.30	269.94
G 8.0	254.31	254.80	256.24	257.95	259.72	261.27	262.51	263.60	264.61	265.58	266.52	267.52	268.53
G 10.0	248.33	249.31	251.34	253.64	255.87	257.63	258.95	260.13	261.26	262.38	263.58	264.78	265.97
G 12.0	241.36	243.16	245.70	248.35	250.79	252.59	254.10	255.68	257.11	258.49	260.05	261.66	263.25
G 14.0	234.26	237.22	239.98	242.54	244.84	246.54	248.26	250.28	252.27	254.20	256.42	258.88	261.23
G 16.0	228.71	232.97	235.51	237.52	239.31	240.63	242.34	244.60	247.17	249.91	253.07	256.80	260.29
G 18.0	227.46	232.48	234.21	235.38	236.28	236.93	238.25	240.12	242.77	246.31	250.65	255.69	260.16
G 20.0	234.19	237.71	238.10	238.15	237.62	237.44	238.06	239.06	241.36	245.42	250.50	255.81	260.27
G 22.0	249.11	249.10	247.91	246.51	243.99	242.63	242.35	242.64	244.51	248.28	252.69	256.50	259.69
G 24.0	267.58	265.25	262.58	259.72	254.83	251.90	250.43	250.48	251.99	254.50	256.70	257.65	258.94
G 26.0	287.14	284.20	280.22	275.82	268.84	264.42	261.50	261.16	262.16	262.80	262.15	260.63	260.37
G 28.0	309.01	304.18	299.16	292.94	284.41	278.85	274.72	273.57	273.01	271.65	268.92	265.41	263.68
G 30.0	331.18	322.84	317.27	309.19	299.78	293.44	288.71	286.22	283.45	280.92	276.50	270.38	266.54
G 32.0	345.68	336.74	331.80	322.80	313.13	306.51	301.31	296.54	292.57	290.43	284.06	275.08	268.91
G 34.0	346.77	343.01	340.30	332.37	323.70	317.47	311.00	303.69	300.42	298.98	291.41	280.91	273.04
G 36.0	339.63	341.85	342.81	338.68	333.15	327.82	319.06	310.16	308.51	307.63	301.04	290.84	281.92
G 38.0	330.50	336.83	343.56	346.32	346.55	342.20	330.34	320.83	320.07	321.18	317.61	308.55	298.17
G 40.0	317.74	331.84	348.02	361.16	369.21	365.88	350.94	340.30	339.53	344.26	343.19	335.23	323.18
G 42.0	303.04	327.98	357.17	383.46	400.53	399.10	382.57	369.56	368.28	375.24	375.51	368.66	356.11
G 44.0	288.97	323.41	366.54	406.21	432.76	435.46	420.42	405.78	401.93	408.30	410.07	404.30	392.56
G 46.0	268.89	315.04	370.38	421.05	456.12	465.62	456.21	442.64	434.45	437.70	440.29	434.04	422.28
G 48.0	243.41	301.46	365.20	423.28	464.22	481.93	482.75	474.32	461.49	457.49	456.72	447.97	434.57
G 50.0	225.03	286.71	354.35	415.62	457.77	482.22	496.39	497.68	481.42	465.26	454.11	440.65	422.55
G 52.0	219.15	278.86	348.01	408.14	444.33	470.91	497.69	509.73	492.11	462.89	436.06	413.13	385.76
G 54.0	226.00	283.77	353.35	409.27	433.29	457.30	491.60	508.68	487.44	448.17	407.25	370.11	331.10
G 56.0	250.01	301.52	370.94	422.38	432.45	451.12	485.14	496.71	464.57	416.31	367.41	318.16	271.61
G 58.0	288.88	326.52	398.48	448.12	445.34	456.70	482.49	477.68	427.34	367.74	317.23	265.81	220.10
G 60.0	323.85	350.30	429.75	478.72	465.90	442.71	485.53	456.02	380.99	308.61	263.18	220.88	182.32
G 62.0	346.89	367.83	456.19	500.61	482.04	493.70	494.19	435.42	331.34	250.05	214.28	185.53	156.39
G 64.0	371.99	381.55	470.99	504.88	485.42	508.41	498.99	414.39	284.55	201.05	174.90	156.98	135.83
G 66.0	393.88	392.38	467.37	488.39	476.39	502.81	482.65	381.20	241.33	159.11	140.75	129.84	112.60
G 68.0	393.87	391.79	438.50	450.25	453.19	466.53	432.97	324.74	195.97	122.17	106.66	98.24	82.19
G 70.0	378.85	370.44	385.14	391.52	406.75	398.77	352.80	248.42	146.86	89.78	72.76	63.35	50.68
G 72.0	345.25	326.44	317.00	316.68	331.93	310.20	261.78	171.75	100.29	59.65	43.92	35.58	27.70
G 74.0	279.95	264.18	243.65	235.10	242.11	218.21	179.72	111.81	62.39	34.47	25.00	20.38	16.29
G 76.0	200.56	193.76	171.88	159.15	160.32	139.63	113.91	68.91	36.29	19.33	14.97	13.10	11.35
G 78.0	125.24	127.84	109.10	98.14	97.86	81.74	65.39	39.11	20.98	11.80	9.73	8.93	7.91
G 80.0	60.38	75.05	61.12	54.40	53.65	43.14	33.71	20.58	12.31	7.61	6.55	6.09	5.25
G 82.0	19.19	38.28	29.42	26.28	25.30	20.38	16.15	10.50	7.22	4.96	4.44	4.11	3.50
G 84.0	4.02	16.48	11.92	10.95	10.41	8.94	7.65	5.44	4.12	3.13	2.91	2.64	2.33
G 86.0	1.11	5.90	4.13	4.09	4.05	3.76	3.49	2.66	2.12	1.71	1.67	1.50	1.38
G 88.0	0.39	1.78	1.25	1.40	1.46	1.37	1.30	1.03	0.86	0.67	0.74	0.67	0.66
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 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 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 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 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 100.0	0.00	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 102.0	0.00	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 104.0	0.00	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 106.0	0.00	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 108.0	0.00	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 110.0	0.00	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 112.0	0.00	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 114.0	0.00	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 116.0	0.00	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 118.0	0.00	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 120.0	0.00	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 122.0	0.00	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 124.0	0.00	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 126.0	0.00	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 128.0	0.00	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 130.0	0.00	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 132.0	0.00	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 134.0	0.00	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 136.0	0.00	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 138.0	0.00	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 140.0	0.00	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 142.0	0.00	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 144.0	0.00	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 ILO-1B-ST-024		Codice ILO-1B-ST-024							Codice L-ILO LED-ST-4,5-54				
Nome ILO LED 1B ST 4.5-54 7350lm		Nome ILO LED 1B ST 4.5-54 7350lm							Numero 1				
Archivio Eulumdat		Data 14-05-2012							Posizione				
Rendimento	100.00%	Sistema Coordinate CG							Flusso Totale 7350.00 lm				
Tabella Intensità Luminosa - cd/klm													
Tabella 2/12													
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	268.87	269.05	269.21	269.34	269.41	269.43	269.41	269.34	269.21	269.05	268.87	268.65	268.40
G 4.0	270.54	270.96	271.30	271.54	271.70	271.76	271.70	271.54	271.30	270.96	270.54	270.08	269.59
G 6.0	270.56	271.13	271.60	271.97	272.23	272.39	272.23	271.97	271.60	271.13	270.56	269.94	269.30
G 8.0	269.40	270.09	270.65	271.12	271.45	271.58	271.45	271.12	270.65	270.09	269.40	268.53	267.52
G 10.0	267.11	268.22	269.22	269.93	270.35	270.50	270.35	269.93	269.22	268.22	267.11	265.97	264.78
G 12.0	264.81	266.28	267.57	268.64	269.33	269.54	269.33	268.64	267.57	266.28	264.81	263.25	261.66
G 14.0	263.36	265.23	266.73	268.15	269.18	269.48	269.18	268.15	266.73	265.23	263.36	261.23	258.88
G 16.0	263.10	265.48	267.64	269.57	270.79	271.11	270.79	269.57	267.64	265.48	263.10	260.29	256.80
G 18.0	263.38	266.01	268.74	271.40	273.02	273.44	273.02	271.40	268.74	266.01	263.38	260.16	255.69
G 20.0	263.21	265.68	268.41	271.38	273.71	274.55	273.71	271.38	268.41	265.68	263.21	260.27	255.81
G 22.0	262.28	264.92	267.88	270.86	273.26	274.22	273.26	270.86	267.88	264.92	262.28	259.69	256.50
G 24.0	261.36	264.90	268.38	271.02	272.90	273.56	272.90	271.02	268.38	264.90	261.36	258.94	257.65
G 26.0	261.80	265.15	268.29	270.32	271.86	272.19	271.86	270.32	268.29	265.15	261.80	260.37	260.63
G 28.0	263.53	264.55	266.04	267.67	269.34	269.84	269.34	267.67	266.04	264.55	263.53	263.68	265.41
G 30.0	264.70	263.35	263.40	264.97	267.12	268.03	267.12	264.97	263.40	263.35	264.70	266.54	270.38
G 32.0	265.70	263.61	263.60	265.33	268.26	269.88	268.26	265.33	263.60	263.61	265.70	268.91	275.08
G 34.0	268.99	267.76	269.07	270.77	274.96	277.83	274.96	270.77	269.07	267.76	268.99	273.04	280.91
G 36.0	277.18	276.70	279.79	281.56	287.20	291.43	287.20	281.56	279.79	276.70	277.18	281.92	290.84
G 38.0	291.90	291.26	295.58	297.71	304.42	309.02	304.42	297.71	295.58	291.26	291.90	298.17	308.55
G 40.0	313.72	311.64	316.56	319.35	326.83	330.89	326.83	319.35	316.56	311.64	313.72	323.18	335.23
G 42.0	342.59	336.84	340.56	343.08	349.81	354.94	349.81	343.08	340.56	336.84	342.59	356.11	368.66
G 44.0	374.42	361.46	361.09	360.98	366.22	372.89	366.22	360.98	361.09	361.46	374.42	392.56	404.30
G 46.0	399.50	376.46	369.85	366.39	369.39	376.32	369.39	366.39	369.85	376.46	399.50	422.28	434.04
G 48.0	406.88	373.04	359.19	351.85	353.25	360.95	353.25	351.85	359.19	373.04	406.88	434.57	447.97
G 50.0	387.85	345.12	324.21	312.58	312.12	316.95	312.12	312.58	324.21	345.12	387.85	422.55	440.65
G 52.0	340.89	292.14	268.49	256.45	256.19	258.88	256.19	256.45	268.49	292.14	340.89	385.76	413.13
G 54.0	277.27	228.12	208.97	201.98	203.53	203.88	203.53	201.98	208.97	228.12	277.27	331.10	370.11
G 56.0	216.51	174.45	163.31	162.83	168.90	170.02	168.90	162.83	163.31	174.45	216.51	271.61	318.16
G 58.0	171.56	138.89	133.85	137.55	146.88	149.94	146.88	137.55	133.85	138.89	171.56	220.10	265.81
G 60.0	141.32	115.64	113.29	118.41	127.21	130.37	127.21	118.41	113.29	115.64	141.32	182.32	220.88
G 62.0	120.68	98.52	95.79	100.52	106.37	107.44	106.37	100.52	95.79	98.52	120.68	156.39	185.53
G 64.0	104.97	83.63	77.15	80.15	82.49	80.58	82.49	80.15	77.15	83.63	104.97	135.83	156.98
G 66.0	86.24	66.37	54.86	55.08	53.76	48.73	53.76	55.08	54.86	66.37	86.24	112.60	129.84
G 68.0	59.76	44.84	32.33	30.45	27.20	25.22	27.20	30.45	32.33	44.84	59.76	82.19	98.24
G 70.0	34.21	25.58	16.93	15.11	13.57	8.91	13.57	15.11	16.93	25.58	34.21	50.68	63.35
G 72.0	19.16	15.06	10.46	9.04	8.34	7.31	8.34	9.04	10.46	15.06	19.16	27.70	35.58
G 74.0	12.80	10.80	7.89	6.75	6.10	5.42	6.10	6.75	7.89	10.80	12.80	16.29	20.38
G 76.0	9.55	8.02	5.84	5.09	4.55	4.00	4.55	5.09	5.84	8.02	9.55	11.35	13.10
G 78.0	6.58	5.53	4.16	3.71	3.31	3.02	3.31	3.71	4.16	5.53	6.58	7.91	8.93
G 80.0	4.27	3.79	3.15	2.80	2.52	2.40	2.52	2.80	3.15	3.79	4.27	5.25	6.09
G 82.0	2.97	2.72	2.49	2.15	1.90	1.83	1.90	2.15	2.49	2.72	2.97	3.50	4.11
G 84.0	2.06	1.92	1.85	1.57	1.35	1.31	1.35	1.57	1.85	1.92	2.06	2.33	2.64
G 86.0	1.28	1.20	1.17	1.03	0.87	0.85	0.87	1.03	1.17	1.20	1.28	1.38	1.50
G 88.0	0.64	0.57	0.57	0.56	0.46	0.42	0.46	0.56	0.57	0.57	0.64	0.66	0.67
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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio		Rilievo					Lampada						
Codice	ILO-1B-ST-024	Codice	ILO-1B-ST-024				Codice	L-ILO LED-ST-4.5-54					
Nome	ILO LED 1B ST 4.5-54 7350lm	Nome	ILO LED 1B ST 4.5-54 7350lm				Numero	1					
Archivio	Eulumdat	Data	14-05-2012				Posizione						
Rendimento	100.00%	Sistema Coordinate CG					Flusso Totale	7350.00 lm					
Tabella Intensità Luminosa - cd/klm					Tabella 4/12								
	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	264.78	264.78	264.84	264.92	264.99	265.03	265.08	265.14	265.20	265.27	265.34	265.39	265.42
G 4.0	261.89	261.98	262.11	262.26	262.45	262.66	262.90	263.14	263.43	263.73	263.98	264.21	264.39
G 6.0	258.20	258.43	258.66	258.91	259.22	259.57	259.93	260.31	260.70	261.12	261.56	262.00	262.40
G 8.0	253.62	254.05	254.43	254.84	255.35	255.90	256.45	256.94	257.43	257.98	258.61	259.26	259.87
G 10.0	248.17	248.83	249.43	250.04	250.76	251.60	252.44	253.20	253.92	254.71	255.61	256.55	257.45
G 12.0	242.12	242.93	243.71	244.51	245.52	246.73	247.97	249.04	250.02	251.18	252.55	253.90	255.07
G 14.0	235.97	236.74	237.52	238.41	239.61	241.18	242.93	244.43	245.73	247.21	249.02	250.91	252.47
G 16.0	230.78	231.07	231.53	232.32	233.43	234.99	237.13	239.25	241.10	242.94	245.05	247.34	249.31
G 18.0	228.17	227.32	226.79	227.07	227.80	228.98	231.05	233.56	236.02	238.33	240.71	243.25	245.55
G 20.0	229.88	226.88	224.36	223.43	223.35	224.00	225.52	227.74	230.43	233.23	235.99	238.81	241.36
G 22.0	236.48	230.29	224.78	221.80	220.30	220.20	221.00	222.45	224.71	227.64	231.00	234.44	237.41
G 24.0	246.84	237.16	228.16	222.29	218.54	217.22	217.25	217.89	219.32	222.00	225.96	230.34	233.90
G 26.0	259.52	246.47	234.05	224.91	218.27	215.11	213.99	213.88	214.42	216.62	221.01	226.25	230.39
G 28.0	273.49	257.01	241.32	229.05	219.43	213.93	211.21	210.25	209.85	211.39	215.83	221.53	226.18
G 30.0	287.56	268.09	249.12	233.56	220.92	213.12	208.77	206.73	205.47	206.22	210.15	215.73	221.04
G 32.0	299.93	278.82	256.91	237.79	222.12	212.04	205.98	202.69	200.94	201.29	204.49	209.78	215.89
G 34.0	308.19	287.10	263.26	240.82	222.42	209.87	201.76	197.13	195.55	196.49	199.39	204.05	210.76
G 36.0	310.04	289.98	265.55	240.76	220.23	205.33	195.42	189.74	188.99	191.11	193.33	196.23	201.14
G 38.0	304.18	284.67	260.45	235.07	213.56	196.96	186.21	180.52	181.09	183.22	182.97	181.34	180.94
G 40.0	289.57	269.17	245.18	220.98	199.90	182.34	171.44	166.80	168.48	168.39	163.77	155.19	148.67
G 42.0	285.55	243.32	219.56	197.49	177.84	159.36	148.11	144.87	146.03	142.25	133.63	119.85	108.90
G 44.0	233.77	210.36	187.34	167.49	149.51	130.31	117.79	114.93	114.28	107.28	96.94	82.29	70.64
G 46.0	199.46	176.88	155.21	137.20	120.66	101.17	86.91	82.97	80.35	72.78	62.92	51.60	42.62
G 48.0	170.68	150.19	129.69	113.34	98.14	78.17	62.21	56.56	52.91	47.02	39.55	32.94	27.82
G 50.0	153.89	134.53	114.09	99.26	84.71	63.73	46.51	39.40	35.75	31.91	27.59	24.24	21.61
G 52.0	149.81	129.71	107.82	93.24	77.08	55.01	38.08	30.67	27.30	24.58	22.07	20.00	18.17
G 54.0	155.00	132.56	107.90	90.48	70.24	48.17	33.86	27.29	23.98	21.24	18.75	16.98	15.42
G 56.0	164.04	137.14	108.25	85.18	61.69	41.93	31.54	25.96	22.44	19.24	16.16	14.48	13.27
G 58.0	170.81	136.47	101.64	73.07	50.77	35.64	29.04	24.34	20.67	17.36	14.05	12.43	11.56
G 60.0	172.77	128.73	87.15	55.90	38.73	29.12	25.30	21.56	18.06	15.29	12.39	10.67	9.86
G 62.0	172.76	117.14	70.15	39.90	28.56	23.03	20.76	18.05	15.08	13.35	11.31	9.25	8.08
G 64.0	172.61	102.84	54.28	28.59	21.45	17.90	16.50	14.76	12.47	11.99	10.71	8.12	6.53
G 66.0	169.54	85.58	40.65	21.45	16.79	14.14	13.31	12.21	10.48	10.97	10.10	7.10	5.45
G 68.0	161.16	68.73	30.92	17.08	13.62	11.52	11.06	10.22	8.88	9.60	8.80	6.17	4.70
G 70.0	147.13	56.04	25.13	14.21	11.12	9.50	9.16	8.38	7.45	7.73	6.88	5.18	4.04
G 72.0	127.92	47.29	21.28	11.95	8.99	7.72	7.25	6.60	5.99	5.78	5.01	4.10	3.32
G 74.0	105.08	39.85	17.43	9.87	7.14	6.06	5.45	5.00	4.53	4.16	3.66	3.13	2.59
G 76.0	79.87	31.28	12.94	7.81	5.54	4.53	3.94	3.66	3.30	2.99	2.74	2.37	1.96
G 78.0	53.63	20.97	8.62	5.78	4.15	3.25	2.77	2.59	2.33	2.13	2.03	1.73	1.45
G 80.0	30.21	11.30	5.35	3.94	2.91	2.22	1.88	1.73	1.57	1.44	1.41	1.18	1.02
G 82.0	13.87	5.02	3.09	2.40	1.81	1.38	1.18	1.06	0.99	0.89	0.87	0.70	0.66
G 84.0	5.23	2.02	1.59	1.24	0.97	0.74	0.64	0.56	0.55	0.48	0.45	0.35	0.36
G 86.0	1.70	0.76	0.68	0.51	0.42	0.31	0.27	0.24	0.24	0.20	0.18	0.14	0.16
G 88.0	0.50	0.25	0.23	0.16	0.13	0.10	0.08	0.08	0.08	0.06	0.05	0.04	0.05
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 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 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 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 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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Apparecchio Codice ILO-1B-ST-024 Nome ILO LED 1B ST 4.5-54 7350lm Archivio Eulumdat	Rilievo Codice ILO-1B-ST-024 Nome ILO LED 1B ST 4.5-54 7350lm Data 14-05-2012	Lampada Codice L-ILO LED-ST-4.5-54 Numero 1 Posizione
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Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	7350.00 lm
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Tabella Intensità Luminosa - cd/klm **Tabella 5/12**

	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	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	265.46	265.48	265.47	265.48	265.46	265.42	265.39	265.34	265.27	265.20	265.14	265.08	265.03
G 4.0	264.50	264.56	264.58	264.56	264.50	264.39	264.21	263.98	263.73	263.43	263.14	262.90	262.66
G 6.0	262.68	262.86	262.95	262.86	262.68	262.40	262.00	261.56	261.12	260.70	260.31	259.93	259.57
G 8.0	260.38	260.71	260.84	260.71	260.38	259.87	259.26	258.61	257.98	257.43	256.94	256.45	255.90
G 10.0	258.21	258.72	258.92	258.72	258.21	257.45	256.55	255.61	254.71	253.92	253.20	252.44	251.60
G 12.0	256.06	256.75	257.04	256.75	256.06	255.07	253.90	252.55	251.18	250.02	249.04	247.97	246.73
G 14.0	253.65	254.48	254.83	254.48	253.65	252.47	250.91	249.02	247.21	245.73	244.43	242.93	241.18
G 16.0	250.73	251.70	252.13	251.70	250.73	249.31	247.34	245.05	242.94	241.10	239.25	237.13	234.99
G 18.0	247.29	248.45	248.97	248.45	247.29	245.55	243.25	240.71	238.33	236.02	233.56	231.05	228.98
G 20.0	243.50	244.98	245.60	244.98	243.50	241.36	238.81	235.99	233.23	230.43	227.74	225.52	224.00
G 22.0	239.92	241.63	242.28	241.63	239.92	237.41	234.44	231.00	227.64	224.71	222.45	221.00	220.20
G 24.0	236.89	238.91	239.63	238.91	236.89	233.90	230.34	225.96	222.00	219.32	217.89	217.25	217.22
G 26.0	233.84	236.29	237.09	236.29	233.84	230.39	226.25	221.01	216.62	214.42	213.88	213.99	215.11
G 28.0	229.99	232.47	233.31	232.47	229.99	226.18	221.53	215.83	211.39	209.85	210.25	211.21	213.93
G 30.0	225.33	227.56	228.21	227.56	225.33	221.04	215.73	210.15	206.22	205.47	206.73	208.77	213.12
G 32.0	220.41	222.91	223.71	222.91	220.41	215.89	209.78	204.49	201.29	200.94	202.69	205.98	212.04
G 34.0	214.69	217.45	219.09	217.45	214.69	210.76	204.05	199.39	196.49	195.55	197.13	201.76	209.87
G 36.0	202.74	204.89	207.01	204.89	202.74	201.14	196.23	193.33	191.11	188.99	189.74	195.42	205.33
G 38.0	177.69	178.15	179.12	178.15	177.69	180.94	181.34	182.97	183.22	181.09	180.52	186.21	196.96
G 40.0	139.57	137.83	137.45	137.83	139.57	148.67	155.19	163.77	168.39	168.48	166.80	171.44	182.34
G 42.0	95.83	91.36	90.39	91.36	95.83	108.90	119.85	133.63	142.25	146.03	144.87	148.11	159.36
G 44.0	57.39	51.99	50.91	51.99	57.39	70.64	82.29	96.94	107.28	114.28	114.93	117.79	130.31
G 46.0	33.02	28.56	27.72	28.56	33.02	42.62	51.60	62.92	72.78	80.35	82.97	86.91	101.17
G 48.0	22.89	21.23	21.23	21.23	22.89	27.82	32.94	39.55	47.02	52.91	56.56	62.21	78.17
G 50.0	18.94	18.27	18.45	18.27	18.94	21.61	24.24	27.59	31.91	35.75	39.40	46.51	63.73
G 52.0	16.11	15.44	15.52	15.44	16.11	18.17	20.00	22.07	24.58	27.30	30.67	38.08	55.01
G 54.0	13.70	12.82	12.61	12.82	13.70	15.42	16.98	18.75	21.24	23.98	27.29	33.86	48.17
G 56.0	11.95	10.94	10.48	10.94	11.95	13.27	14.48	16.16	19.24	22.44	25.96	31.54	41.93
G 58.0	10.58	9.54	9.02	9.54	10.58	11.56	12.43	14.05	17.36	20.67	24.34	29.04	35.64
G 60.0	9.05	8.10	7.60	8.10	9.05	9.86	10.67	12.39	15.29	18.06	21.56	25.30	29.12
G 62.0	7.25	6.50	6.26	6.50	7.25	8.08	9.25	11.31	13.35	15.08	18.05	20.76	23.03
G 64.0	5.66	5.11	4.98	5.11	5.66	6.53	8.12	10.71	11.99	12.47	14.76	16.50	17.90
G 66.0	4.59	4.18	4.12	4.18	4.59	5.45	7.10	10.10	10.97	10.48	12.21	13.31	14.14
G 68.0	3.86	3.52	3.45	3.52	3.86	4.70	6.17	8.80	9.60	8.88	10.22	11.06	11.52
G 70.0	3.22	2.90	2.78	2.90	3.22	4.04	5.18	6.88	7.73	7.45	8.38	9.16	9.50
G 72.0	2.58	2.31	2.22	2.31	2.58	3.32	4.10	5.01	5.78	5.99	6.60	7.25	7.72
G 74.0	2.02	1.82	1.76	1.82	2.02	2.59	3.13	3.66	4.16	4.53	5.00	5.45	6.06
G 76.0	1.57	1.43	1.36	1.43	1.57	1.96	2.37	2.74	2.99	3.30	3.66	3.94	4.53
G 78.0	1.20	1.08	1.03	1.08	1.20	1.45	1.73	2.03	2.13	2.33	2.59	2.77	3.25
G 80.0	0.87	0.77	0.72	0.77	0.87	1.02	1.18	1.41	1.44	1.57	1.73	1.88	2.22
G 82.0	0.56	0.50	0.45	0.50	0.56	0.66	0.70	0.87	0.89	0.99	1.06	1.18	1.38
G 84.0	0.29	0.26	0.24	0.26	0.29	0.36	0.35	0.45	0.48	0.55	0.56	0.64	0.74
G 86.0	0.11	0.10	0.10	0.10	0.11	0.16	0.14	0.18	0.20	0.24	0.24	0.27	0.31
G 88.0	0.03	0.03	0.03	0.03	0.03	0.05	0.04	0.05	0.06	0.08	0.08	0.08	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 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 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 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 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 100.0	0.00	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 102.0	0.00	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 104.0	0.00	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 106.0	0.00	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 108.0	0.00	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 110.0	0.00	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 112.0	0.00	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 114.0	0.00	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 116.0	0.00	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 118.0	0.00	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 120.0	0.00	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 122.0	0.00	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 124.0	0.00	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 126.0	0.00	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 128.0	0.00	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 130.0	0.00	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 132.0	0.00	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 134.0	0.00	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 136.0	0.00	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 138.0	0.00	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 140.0	0.00	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 142.0	0.00	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 144.0	0.00	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	ILO-1B-ST-024	Codice	ILO-1B-ST-024			Codice	L-ILO LED-ST-4.5-54
Nome	ILO LED 1B ST 4.5-54 7350lm	Nome	ILO LED 1B ST 4.5-54 7350lm			Numero	1
Archivio	Eulumdat	Data	14-05-2012			Posizione	
Rendimento	100.00%	Sistema Coordinate		CG	Flusso Totale		7350.00 lm
Tabella Intensità Luminosa - cd/klm				Tabella 6/12			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	266.51	266.51	266.51	266.51	266.51	266.51	266.51
G 2.0	264.99	264.92	264.84	264.78	264.78	264.80	264.93
G 4.0	262.45	262.26	262.11	261.98	261.89	261.88	262.05
G 6.0	259.22	258.91	258.66	258.43	258.20	258.05	258.17
G 8.0	255.35	254.84	254.43	254.05	253.62	253.25	253.25
G 10.0	250.76	250.04	249.43	248.83	248.17	247.62	247.43
G 12.0	245.52	244.51	243.71	242.93	242.12	241.53	241.13
G 14.0	239.61	238.41	237.52	236.74	235.97	235.57	235.14
G 16.0	233.43	232.32	231.53	231.07	230.78	231.02	231.02
G 18.0	227.80	227.07	226.79	227.32	228.17	229.82	231.02
G 20.0	223.35	223.43	224.36	226.88	229.88	233.77	236.86
G 22.0	220.30	221.80	224.78	230.29	236.48	243.29	248.34
G 24.0	218.54	222.29	228.16	237.16	246.84	257.05	263.87
G 26.0	218.27	224.91	234.05	246.47	259.52	273.14	281.89
G 28.0	219.43	229.05	241.32	257.01	273.49	290.16	300.96
G 30.0	220.92	233.56	249.12	268.09	287.56	306.21	318.42
G 32.0	222.12	237.79	256.91	278.82	299.93	318.40	330.59
G 34.0	222.42	240.82	263.26	287.10	308.19	324.31	335.02
G 36.0	220.23	240.76	265.55	289.98	310.04	323.32	332.04
G 38.0	213.56	235.07	260.45	284.67	304.18	315.46	322.86
G 40.0	199.90	220.98	245.18	269.17	289.57	300.22	307.65
G 42.0	177.84	197.49	219.56	243.32	265.55	277.20	286.83
G 44.0	149.51	167.49	187.34	210.36	233.77	247.49	262.03
G 46.0	120.66	137.20	155.21	176.88	199.46	215.37	235.99
G 48.0	98.14	113.34	129.69	150.19	170.68	188.39	213.08
G 50.0	84.71	99.26	114.09	134.53	153.89	173.08	198.22
G 52.0	77.08	93.24	107.82	129.71	149.81	170.85	194.33
G 54.0	70.24	90.48	107.90	132.56	155.00	179.28	202.28
G 56.0	61.69	85.18	108.25	137.14	164.04	194.38	221.83
G 58.0	50.77	73.07	101.64	136.47	170.81	211.71	250.32
G 60.0	38.73	55.90	87.15	128.73	172.77	228.83	282.07
G 62.0	28.56	39.90	70.15	117.14	172.76	246.67	311.54
G 64.0	21.45	28.59	54.28	102.84	172.61	264.40	334.68
G 66.0	16.79	21.45	40.65	85.58	169.54	276.39	347.46
G 68.0	13.62	17.08	30.92	68.73	161.16	277.20	347.63
G 70.0	11.12	14.21	25.13	56.04	147.13	263.79	334.56
G 72.0	8.99	11.95	21.28	47.29	127.92	235.21	305.77
G 74.0	7.14	9.87	17.43	39.85	105.08	194.34	259.45
G 76.0	5.54	7.81	12.94	31.28	79.87	146.28	199.40
G 78.0	4.15	5.78	8.62	20.97	53.63	96.64	135.15
G 80.0	2.91	3.94	5.35	11.30	30.21	53.10	78.37
G 82.0	1.81	2.40	3.09	5.02	13.87	23.08	37.63
G 84.0	0.97	1.24	1.59	2.02	5.23	7.78	14.54
G 86.0	0.42	0.51	0.68	0.76	1.70	2.13	4.48
G 88.0	0.13	0.16	0.23	0.25	0.50	0.51	1.13
G 90.0	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 94.0	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 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate CG Flusso Totale 7350.00 lm

	Tabella Intensità Luminose - cd/klm							Tabella 7/12					
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate CG Flusso Totale 7350.00 lm

	Tabella Intensità Luminose - cd/klm							Tabella 8/12					
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento 100.00% Sistema Coordinate CG Flusso Totale 7350.00 lm

	Tabella Intensità Luminose - cd/klm							Tabella 9/12					
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	7350.00 lm
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Tabella Intensità Luminosa - cd/klm		Tabella 10/12											
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	7350.00 lm
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Tabella Intensità Luminosa - cd/klm		Tabella 11/12											
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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 ILO-1B-ST-024	Codice ILO-1B-ST-024	Codice L-ILO LED-ST-4.5-54
Nome ILO LED 1B ST 4.5-54 7350lm	Nome ILO LED 1B ST 4.5-54 7350lm	Numero 1
Archivio Eulumdat	Data 14-05-2012	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	7350.00 lm
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Tabella Intensità Luminosa - cd/klm		Tabella 12/12						
	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	
G148.0	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	
G152.0	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	
G156.0	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	
G160.0	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	
G164.0	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	
G168.0	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	
G172.0	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	
G176.0	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	
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	